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Dark Blue	.60	4.00	Light Blue	.60	4.00
			Rose	.60	4.00
			And PURE WHITE	.75	5.00
			All Colors Mixed	.60	4.00

W. W. RAWSON & Co. Arlington Tested SEEDS BOSTON, MASS.

OUR "NICE" STRAINS

Beauty of Nice, soft pink	.50	3.50
Queen of Alexandria, delicate lavender	.75	5.00
Blanche Superb, pure white	.50	3.00

W. W. RAWSON & COMPANY
SEEDSMEN, BOSTON, MASS.

Please mention the Exchange when writing

Watch for our Trade Mark stamped on every brick of Lambert's.
Pure Culture Mushroom Spawn
Substitutes of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address
P. G. Trade Mark American Spawn Co., St. Paul, Minn

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ROUTZAHN SEED CO.
Arroyo Grande, Cal.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of Full List of
Flower and Garden Seeds

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CANNAS 600,000 roots for Fall delivery in 100 leading kinds, $8.00 to $20.00 per 1000. Write for our list.
SHELLROAD GREENHOUSES, Orange, Baltimore, Md.
Largest Canna Growers in America.

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CUT PRICE ON
Forcing Gladiolus

	Per 100	Per 1000
THE BRIDE. Pure white	$0.50	$4.50
BLUSHING BRIDE. Rosy White, striped carmine	.60	5.50
PEACH BLOSSOM. Delicate Pink	.85	8.00

STOKES' SEED STORE
219 Market St., Philadelphia, Pa.

Please mention the Exchange when writing

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

GROW MUSHROOMS

MAKE THE GREENHOUSE PAY

THE DEMAND IS GREATER THAN THE SUPPLY

LIVE SPAWN. From England's best maker. 10 lbs. 75c., 25 lbs $1.50, 100 lbs. $6.00, 1000 lbs. $55.00. 250 lbs. at 1000 lb. rate.

PURE CULTURE SPAWN. (American product). Per doz. bricks $1.80, 25 bricks $3.50, 50 bricks $6.50. Cultural directions sent with each order or mailed on request.

Write for our Market Gardener's and Florist's wholesale catalogue just issued

JOHNSON SEED CO., 217 Market St., PHILADELPHIA, PA.

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Seasonable Seeds

CALADIUM esculentum, Fancy Caladium from Brazil. GLADIOLI, all sorts. Japan IRIS. Japan LILIES. Double-flowering CHERRIES for Easter. Send for our new Spring list. Ready by January 10.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.

S. & W. CO.'S
Fertilized Flower Pots

Made of Extra Heavy Manila Waterproof Card Board, Fertilized, Wire Stitched Seams, Perfect Drainage and Shipped Flat. If you grow Tomatoes or Pot Plants you cannot afford to pass over this.

These square pots economize space, give more room to the roots than the tapering round pots. In setting out plants the pots are not removed. Simply unlock the bottom flaps and turn them up (see cut), allowing the roots to grow down.

Size	Gross Weight Per 1000	250	1000
3¾ inch	about 30 lbs.	$1.00	$3.00
4 inch	about 40 lbs.	1.60	4.60
4½ inch	about 50 lbs.	1.75	6.60

In setting out plants unlock the bottom, pull pot up one inch and you have a wall to protect the roots against Grubs and Worms.

STUMPP & WALTER CO.
50 Barclay St., New York

Please mention the Exchange when writing.

Established 1820

Thorburn's Seeds

LILY OF THE VALLEY
pips just arrived.

Our usual high grade quality. Also cold storage pips. Prices on Application.

J. M. THORBURN & CO., 33 Barclay St. New York

Please mention the Exchange when writing.

VIOLET CULTURE

Price, $1.50 Postpaid

A. T. De La Mare Ptg. & Pub. Co., New York.

NEW CROP
FLOWER SEED

Verbena Mammoth, 7 Separate Colors or Mixed; oz. $1.00.

Salvia Splendens, oz. $1.25; **Bonfire,** oz. $2.25; **Fireball,** oz. $3.75; **Zurich,** oz. $5.00.

Fresh Tobacco Stems. Bale of 300 lbs. $1.75; ton, $9.00.

W. C. BECKERT
SEEDSMAN
103 Federal St., N. S., Pittsburg

Please mention the Exchange when writing.

GET QUOTATIONS FROM
LANDRETH SEEDS which SUCCEED

Bloomsdale Farms **Bristol, Pa.**

Please mention the Exchange when writing.

Try The Following

CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
PANSY—"Burnett's Gorgeous Strain."
STOCKS—"Burnett's Perpetual White."
CAULIFLOWER—Burnett's Selected "Snowball."

Write for our Illustrated Catalogue

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

WARD'S LILY BULBS

"NOT HOW CHEAP— BUT HOW GOOD"

RALPH M. WARD & CO.
12 West Broadway—New York

Please mention the Exchange when writing.

Lily Of The Valley!

FOR PROMPT DELIVERY

"EXPOSITION" GRADE This is an extra fancy grade of Berlin crowns. There are never enough of them to supply the demand. Out of Mr. Riemschneider's entire growing, he usually has only 50,000 to 75,000 of this grade, which is evidence of the care with which they are selected. **In cases of 2,000 crowns, at $30.00 per case.**

"PERFECTION" GRADE This is a true Berlin, extra selected, 3-year old, straight long, clean crown, with long, fibrous roots. Under proper treatment they force out with tall racemes bearing the maximum number of large bells, free from decay at the bottom. The foliage is ample but not too abundant. **In cases of 1,000 pips, at $13.00 per case.**

"HOLSATIA" GRADE These are suitable for later forcing, or for cold storage purposes, and are highly recommended to seedsmen. Very fine selected 3-year old Hamburg Pips, very heavy roots, extra strong growth. Will hold over well in cold storage and produce good flowers the following Fall. **In cases of 2,500 pips, at $30.00 per case.**

JACKSON & PERKINS CO., Newark, N. Y.

Please mention the Exchange when writing.

AMERICAN SEED TRADE ASSOCIATION

President, J. J. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard H. Vaughan, Chicago.

We look for the year 1910 to be the greatest in the annuls of the American Seed Trade. Those who make the greatest efforts (which includes advertising in all its forms both wholesale and retail) are likely to be most benefited.

IMPORTS OF SEEDS, ETC.—Dec. 21.—Ontario Cent Disp, 600 bags grass seed; O. G. Hempstead & Son, 1 case seeds; Thorburn & Co., 1 case seeds; P. Henderson & Co., 14 packages seeds; Lunham & Moore, 20 packages seed, etc.; Muller, Schall & Co., 524 packages seeds, etc.; Maltus & Ware, 23 cases Lily of the Valley pips; Vaughan's Seed Store, 3 cases seeds; Wells Fargo & Co., 15 packages plants, etc.; A. W. Fontay, 2 packages seed. Dec. 23.—P. Henderson & Co., 1 case seed; H. F. Darrow, 67 cases plants; Maltus & Ware, 2 cases plants; McHutchison & Co., 51 cases plants. Dec. 24, 25, 26.—O. G. Hempstead & Son, 1 case seeds; Peter Henderson & Co., 1 case seeds; J. S. Bartle, 8 bags garden seed; H. Nungesser & Co., 70 bags seeds; Tice & Lynch, 2 cases bulbs; C. A. Haynes & Co., 1 case plants; H. F. Darrow, 1 case trees and shrubs; J. M. Hampton, Jr. & Co., 6 cases trees and shrubs; J. W. Hempstead & Co., 3 cases plants; Maltus & Ware, 22 packages plants, trees etc.; American Express Co., 23 packages garden seed; F. B. Vandegrift & Co., 20 packages garden seed and flower seeds, etc.; Vaughan's Seed Store, 1 case plants; Rolker & Sons, 8 cases plants; Maltus & Ware, 12 cases plants; F. Darwin, 2 cases plants; J. M. Thorburn & Co., 4 cases seeds. Dec. 27.—Stumpp & Walter Co., 4 cases bulbs; Hampton Jr. & Co., 3 cases bulbs; Maltus & Ware, 3 cases bulbs.

K. van Bourgondiën & Sons
HILLEGOM—HOLLAND

Extra Dutch Bulbs Extra

We beg to inform the Trade, that our Messrs. K. H. and C. J. van Bourgondiën have again arrived for their annual trips through he United States and Canada.

It will be of the greatest advantage to every firm needing **A1 Bulbs** to correspond with us and give us a trial. Our many years of successful business in the United States, which every year has increased, clearly proves enough. Address until May 1, 1910

K. H. van Bourgondiën, Care MALTUS & WARE, 14 Stone St, NEW YORK

Please mention the Exchange when writing.

LILIUM TENUIFOLIUM

LILIUM WALLACEI
Single and Double TIGERS
Named Varieties of Elegans
GERMAN IRIS
DELPHINIUM FORMOSUM

E. S. MILLER
WADING RIVER, LONG ISLAND, N.Y.

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

Peacock's
PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

CAULIFLOWER SEED
CABBAGE SEED

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR, HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

European Notes

The closing days of the wettest and gloomiest year we have ever known in an experience of more than half a century are deepening in intensity as the end draws near and all outdoor operations are once more at a standstill. Most of our friends are able to understand the conditions we have to face and their patience is the one glimpse of the silver lining.

Purchasers of Peas form the exception to the rule, perhaps from a fear that they will not receive what they have bought. This will probably be true of the very

Boddington's Quality Flower Seeds for Florists

SELECTED SEEDS, SUCCESSFULLY SOWN, SECURE SURE, SAFE AND SERVICEABLE SATISFACTION.

Remember you may deduct 5 per cent. if cash accompanies order.

AGERATUM

	Trade pkt.	Oz.
Mexicanum album	$0.10	$0.20
Blue Perfection	.15	.60
Imperial Dwarf Blue	.10	.25
Imperial Dwarf White	.10	.25
Little Dorrit	.16	.60
Swanley Blue	.10	.25

Little Blue Star, trade pkt. 25c., 5 pkts. for $1.00.

BODDINGTON'S MAUVE BEAUTY

Large Mauve flowers; dwarf compact, very free-flowering. A unique variety. Trade pkt. 10c., oz. 50c.

ALYSSUM

White Gem

A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. $1.00.

	Trade pkt.	Oz.	Lb.
Little Gem, dwarf, best for pots	$0.10	$0.30	$3.50
Carpet of Snow, for hanging baskets and borders	.10	.25	
Sweet (the old variety).	.10	.15	1.25

ASTERS

BODDINGTON'S Asters are famous. Write for catalogue of other varieties and prices.

QUEEN OF THE MARKET ASTERS

Boddington's Extra-Early

	Trade pkt.	Oz.
Pink	$0.15	$0.60
White	.16	.60
Light Blue	.16	.60
Dark Blue	.16	.60
Crimson	.15	.60
Rose	.16	.60
Flesh-Color	.15	.60
Light Rose	.15	.60
Scarlet	.15	.60
Red-Lilac	.16	.60
Finest Mixed	.15	.60

BODDINGTON'S GIANT ANTIRRHINUM

(Height, 3 Feet)

	Trade pkt.	Oz.
Coral-Red. Striking color	$0.20	$0.60
Carmine. Splendid color	.20	.60
Daybreak. Light pink	.20	.60
Brilliant. Scarlet, golden yellow and white	.20	.60
Crescia. Dark scarlet	.20	.60
Queen Victoria. Pure white	.25	1.00
Luteum. Yellow	.20	.60
Firefly. Scarlet	.20	.60
Romeo. Deep rose	.20	.60
Lilacinum. Beautiful lilac	.20	.60
Mixed	.20	.50

BRANCHING ASTERS

Vick's Branching

	Trade pkt.	¼ oz.	Oz.
Crimson	$0.25	$0.35	$1.00
White	.25	.35	1.00
Purple	.25	.35	1.00
Violet	.25	.35	1.00
Rose	.25	.35	1.00

Carlson's Branching

	Trade pkt.	¼ oz.	Oz.
Lavender	$0.25	$0.35	$1.00

Semple's Branching

	Trade pkt.	¼ oz.	Oz.
Shell-Pink	$0.25	$0.35	$1.00
Upright White	.25	.35	1.00

Trade pkt each of the collection of 8 varieties for $1.75.

BEGONIA

	Trade pkt.
Erfordii. Carmine, ⅛ oz., $1.00	$0.25
Semperflorens	.25
Vernon grandiflora, ½ ft. A fine bedding sort, with rich red flowers and glossy bronze-red foliage	.25

CINERARIA

Cineraria maritima. 1½ ft. Trade pkt. 10c., oz. 15c.

Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated. Trade pkt. 50c., $2.00 per oz.

CENTAUREA

	Oz.
Candidissima, 1000 seeds, 25c.	$1.00
Gymnocarpa, 1000 seeds, 15c.	.35

GREVILLEA ROBUSTA

	Trade pkt.	Oz.
(Silk Oak)	$0.10	$0.50

COBAEA

	Trade pkt.	Oz.
Scandens. H. P. Blue	$0.10	$0.30
Alba. White	.20	.75

LOBELIA

	Trade pkt.	Oz.
Erinus gracilis. Trailing; light blue	$0.15	$0.50
Erinus speciosa. Deep blue; trailing	.15	.50
Crystal Palace compacta	.30	1.50
Emperor William compacta	.25	1.25

MIGNONETTE

Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select spikes under glass. ½ trade pkt. 60c., trade pkt. $1.00.

MYOSOTIS

	Trade pkt.	Oz.
Eliza Fonrobert, excellent for pots, blue	$0.15	$0.60
Palustris Semperflorens, ever-blooming	.25	1.50

PETUNIAS

Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. ½ trade pkt. about 1000 seeds 60c., trade pkt. about 2000 seeds $1.00.

Boddington's Snowball, Double. The finest double; pure white, ½ trade pkt. 60c., trade pkt. $1.00.

BODDINGTON'S CENTURY PRIZE

Gigantic single flowers having the edges deeply ruffled or fluted; fine substance, with deep white throats. Colors vary from pure white to dark purple-violet, many being beautifully striped or veined. ½ trade pkt., about 1000 seeds 60c., trade pkt. about 2000 seeds $1.00.

	Trade pkt.
Boddington's Bar Harbor Beauty, Single. Color a beautiful rose	$0.25
Boddington's Ruffled Giants. A grand selection of single fringed Petunias	.50
Boddington's Inimitable Dwarf Compact Hybrids, Single. Flowers blotched and striped	.25

Petunias, Boddington's Century Prize—Con.,

	Trade pkt.
Canary Bird. Medium size, finely fringed and curled borders; distinct yellow, which deepens in the throat. 5 pkts. $1.00	$0.25
Emperor. Single. Large blossoms, distinct in form coloring and marking. The solid colors are particularly rich and velvety, some of the crimson blossoms have pink stare, some pure white, while others are distinctly striped	.50
Howard's Star. Rich crimson, with a distinct white star in center	.25
Rosy Morn. Soft carmine pink	.25
Snowstorm. Pure single white	.25
Hybrida, Single Mixed, oz. 50c.	.15

PYRETHRUM

	Trade pkt.	Oz.
Aureum. (Golden Feather)	$0.10	$0.25
Seinginoides. Foliage fine serrated	.15	.60

SHAMROCK

	Trade pkt.	Oz.
(True Irish). Small-leaved	$0.25	$2.50

SALVIA

	Trade pkt.	Oz.
Clara Bedman (Bonfire). 1½ feet	$0.25	$2.00
Splendens (Scarlet Sage)	.25	1.00
Splendens. Ball of Fire. Very dwarf and early	.25	3.50
Splendens, Little Lord Fauntleroy. Neat and compact, upright and free-flowering	.50	4.00
Splendens aucubaefolia (Silver-spot). Dark green leaves, with light sulphur spots, resembling an aucuba, bright scarlet flower	.25	2.50
Splendens carminea (new). Splendid rose carmine Dwarf	.50	
Splendens gigantea. Attains the enormous height of 7 feet, highly recommended for groups or as an individual specimen	.50	
Splendens peodula. Drooping spikes	.25	2.00
Splendens, Boddington's Miniature. Early, dwarf, 12 in. and very free-flowering; covered the whole Summer with large flower spikes of rich scarlet	.50	
Splendens, Zurich	.60	6.00

QUALITY VERBENAS

	Trade pkt.	Oz.
Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed.	$0.25	$1.00
Boddington's Mammoth Auricula-flowered. Large flowers with distinct white eye	.25	1.00
Boddington's Mammoth Blue	.25	1.00
Boddington's Mammoth Pink	.25	1.00
Boddington's Mammoth Scarlet Defiance. The finest scarlet sort	.25	1.00
Boddington's White (Candidissima). Pure white	.25	1.00
Boddington's Striped. Many colors	.25	1.00
Lemon (Aloysia citriodora)	.25	2.00

VINCA

	Trade pkt.	Oz.
Alba. White	$0.15	$0.50
Rosea. Rose	.15	.60
Rosea alba. Rose and white	.16	.60
Mixed	.10	.40

We are headquarters for Sweet Peas of every description. Our Wholesale Catalogue of Quality Seeds and Bulbs (ready January 1st), contains 52 pages of Seeds and Bulbs you need. Write for it today—a postcard will fetch it.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street NEW YORK CITY

Please mention the Exchange when writing.

J. BOLGIANO & SON

WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS

BALTIMORE, MD.

Please mention the Exchange when writing.

C. C. MORSE & CO.

WHOLESALE SEED GROWERS

SAN FRANCISCO CALIFORNIA

Please mention the Exchange when writing.

F. E.—The Best Advertising Medium

dwarf varieties, for the writer has just examined a large parcel just delivered which contains fully nine-tenths of waste, while the fully developed Peas are badly discolored.

Many of these can be used for stock purposes, and with a favorable time, may produce a good crop next year, but if we get an unfavorable Spring they are bound to be a total loss.

Just now we are busy cleaning Tomatoes and Peppers; so far as the former is concerned the crop of the late varieties is much better than we expected, the early sorts are not worth the washing out. Peppers, on the other hand, are quite the reverse but, strange to say, none of the yellow varieties have come up to expectations. The hot Peppers are yielding well. Chinese Giant Square is a disappointing crop as usual. This is one of our "hand to mouth" cultures, and some people will be left very hungry this season.

Our chief interest in flower seeds is centered in Sweet Peas; crops already delivered average about 200 pounds per acre.

By the time these notes are in your readers' hands a New Year will have dawned upon the world. The writer most heartily wishes every reader of these pages all the happiness and prosperity they can reasonably desire.

EUROPEAN SEEDS.

American Notes

Christmas Business

The seed trade as a whole would seem to have catered more than ever this season to the holiday trade, and the gist of the reports from all sections of the country plainly indicates that a most satisfactory volume of business has been accomplished, although the complaint is general that the high rates for practically everything in decorative greens have had a restraining tendency on the size of individual orders; could prices have been maintained at the average low levels of recent years, the output in this direction would have been at record breaking figures. The high prices for good Holly were very unfortunate, as in a retail way quite a large bunch is expected for 25 cents, and this is impossible when $5 to $6 a case must be paid. In several instances dealers report that they filled cardboard boxes with short sprays which sold readily at 50 cents each. Christmas trees, generally, sold well, but customers were also much disappointed here, from the fact that the usual 50-cent tree was not of nearly as large size as in past seasons. Wreaths of all kinds, Immortelles, Christmas bells, Mistletoe, etc., all sold largely. Among plants it was very noticeable how popular the Poinsettia has become as a holiday plant; it sold very largely, both in pots and pans, as single plants and combinations. Begonia Gloire de Lorraine was more in demand than ever, and surely it makes a glorious showing when well grown. Other pot plants need no special mention, although, perhaps, the strong demand for ferns of all varieties should be mentioned. Some seedsmen added cut flowers to their stocks, and good sales were made in this direction; but, as a rule, plants and decorative greens made up the extra Christmas stocks with the seed trade.

Sweet Peas

Popular as Sweet Peas have always been, their sales the coming season bid fair to surpass by far anything ever accomplished in this direction. There is nothing in the whole list of flower seeds that will give your customers so much real satisfaction for so little money as a fine mixture of Sweet Pea seed. Since the introduction of the large-flowered or grandiflora type of Sweet Peas, and particularly since the splendid Spencer sorts have been added to the list, it has been possible to make mixtures of seed of unsurpassed quality. The real secret of success in Sweet Pea seed selling, is to persuade a customer to purchase a quantity of seed, sufficient to sow a considerable space very thickly. To this end every effort should be used to have customers plant not less than a quarter-pound of the better class of mixtures, and satisfaction is assured them. More space than ever will be devoted to Sweet Peas in the forthcoming catalogs by our largest seedsmen; this fact will add wonderfully to the already great popularity of this flower, and in arranging for the season's supply of seeds an ample quantity of Sweet Peas of the very best quality should be secured.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

Meadowvale Florists' Light Mixture of GLADIOLI for FLORISTS

WHAT DO YOU THINK OF THIS

Unparalleled Offer?

You cannot duplicate the quality for several times the price.

There are varieties in this mixture you would not sell for $15.00 per 100.

The vitality and power of multiplication is exceptional.

.....1910

ARTHUR COWEE, Gladiolus Specialist,
Meadowvale Farm, Berlin, N. Y.

Dear Sir:—Herewith find $.....for which you may enter my—our order for.....thousand of your Meadowvale Florists' Light Mixture to be shipped via freight express about.....F. O. B. Berlin, N. Y.

This order is given by me—us and taken by you with the understanding that if given proper soil and cultivation, we can, after blooming this season (1910) conscientiously say we have not received full value I—we can, at harvest time, return the stock, together with its increase in bulbs and cormels to you via freight—express and you will refund the above amount paid.

If returned freight—express charges will be paid by me—us.

Name.....

Town.....*County*.....

State.....

This order has been accepted and entered under the above conditions.

Berlin, N. Y......1910

For forcing I can recommend it as being almost equal to the best named varieties generally used for that purpose.

It contains named novelties of merit, and hybrids bred especially to supply the needs of Florists requiring light colors.

Having for many years experimented extensively to the end of supplying a White and Light Mixture especially adapted to the Florists' Trade, for Funeral and Decorative work where light colors alone would be appropriate, I am now prepared to furnish my Meadowvale Florists' Light Mixture, which I can guarantee to contain the best quality obtainable in the world at the price. There is such a variation in Florists' Mixtures, as generally offered, that I do not wonder at the frequent disgust of the purchaser, and in my preparation of this stock I have endeavored to eliminate every variety with which the most critical florist could find fault, annually adding desirable varieties and rogueing each year more closely.

This Mixture was first offered by me in 1906, since which time I have been unable to supply the demand. I have, however, this year a good stock and invite a trial from those not acquainted with, and increased orders from those who know its merits. For this season, 1910, it will be sold only by me and in lots of not less than 1000 or more. **Price, $15.00 per 1000,** F. O. B. Berlin, N. Y., cash with order, and will be sold subject to the conditions on above order blank.

This offer will hold good as long as the stock lasts and orders will be entered in their turn, although shipment may not be required until later. When the stock is all sold, this offer will be withdrawn, without further notice, therefore do not delay and miss it. May I not have the opportunity of demonstrating that I have a Mixture which, after growing one season, you would not part with for double the price paid? If so, fill out the order blank and send to me with remittance and I will sign and return duplicate to you.

Illustrated Catalogue of Other Collections, Mixtures and Named Varieties will be Mailed upon Application.

ARTHUR COWEE

GLADIOLUS SPECIALIST

Meadowvale Farm, BERLIN, N. Y.

NEW CROP ASTERS

QUEEN OF THE MARKET

EXTRA EARLY	Tr. Pkt.	Oz.
Dark Blue	$0.20	$0.60
Light Blue	.20	.60
Crimson	.20	.60
Rose Pink	.20	.60
Blush Pink	.20	.60
White	.20	.60
Mixed	.20	.60

ALYSSUM

Little Gem, very dwarf	.10	.30

FERN SEED

Adiantum, mixed	.30	
Pteris Varieties, mixed	.30	
All Sorts, mixed	.30	

HENRY F. MICHELL CO.,

NEW CROP Asparagus Plumosus Nanus

We Are Headquarters, Greenhouse Grown Seed, Extra Quality

100 Seeds	$0.50
500 "	2.00
1000 "	3.50
5000 "	16.00
10,000 "	30.00
25,000 "	70.00

Write for Our Handy Flower Seed Order Shee

10th and Market Streets,

FLOWER SEEDS

PETUNIA

California Giants, extra large flowers of the brightest colors, 1-16 oz. $2.00, tr. pkt. 50c.

Grandiflora Fringed, choicest mottled and striped, 1-16 oz. $2.00, tr. pkt. 50c.

Double Hybridized and Fringed, mixed. Per 500 seeds 75c., $1.50 per 1000 seeds.

PYRETHRUM

	Tr. pkt.	Oz.
Aureum (Golden Feather)	$0.10	$0.25

SALVIA

Ball of Fire	.50	3.75
Bonfire	.40	2.25
Splendens	.25	1.25
Zurich, extra early bloomer	.50	5.00

PHILADELPHIA, PA.

Please mention the Exchange when writing.

Dreer's Double Petunias

Our DOUBLE PETUNIAS, for more than half a century, have been the acknowledged standard. The strain this season is equal in high quality to its predecessors, and is well known to the trade.

We offer fifteen distinct varieties, in strong 3-in. pots, which will quickly furnish an abundance of cuttings.

Strong 3-inch pots, 75 cts. per doz., $6.00 per 100. The set of 15 for $1.00.

SEED OF OUR

Superb Strain of Fringed Petunias

DOUBLE, 75 cts. per 500 seeds, $1.50 per 1000 Seeds.

SINGLE, 50 cts. per trade pkt., $1.00 per 1-16 oz., $1.50 per 1-8 oz.

OUR QUARTERLY WHOLESALE PRICE LIST, issued January 1st., offers a full line of seasonable Plants, Seeds and Bulbs.

HENRY A. DREER, Philadelphia, Pa.

Please mention the Exchange when writing.

Direct Importations

AT FOREIGN GROWERS' PRICES

From BELGIUM / From HOLLAND — Palms, Araucarias, Bay Trees, Azalea Indica, etc. Boxwood, Rhododendrons, pot grown Shrubs for forcing, etc., etc.

From GERMANY — Valley Pips. Early or late forcing.

From ENGLAND — English Manetti selected for grafting.

From JAPAN — Lilium Longiflorum. Giganteum, Multiflorum, etc.

Full list of Japanese, Holland, English and French Nursery Stock

Write for catalogues, special lists, etc., mentioning the class of stock you are interested in.

RAFFIA — 5 grades. Bale lots only.

Our business is import and wholesale only. Don't write unless you use sufficient to make direct separate importations

McHUTCHISON & CO.

17 MURRAY STREET — NEW YORK

Please mention the Exchange when writing.

WINTER-FLOWERING **Sweet Peas**

We carry **in stock** all the **LEADING** and **UP-TO-DATE VARIETIES,** and have **MANY TESTIMONIALS as to QUALITY** and **TRUENESS** of **TYPE.**

ARTHUR T. BODDINGTON, SEEDSMAN 342 W. 14th St., NEW YORK CITY

Please mention the Exchange when writing.

HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Stock Seed

Fiske's Branching in all colors. Tr. pkt. 40c., oz. $4.00.

Pure White. tr. pkt. 50c., oz. $5.00.

Also **Beauty of Nice** strains.

H. E. FISKE SEED CO., Boston, Mass.

Please mention the Exchange when writing.

WEEBER & DON, Seed Merchants & Growers 114 Chambers St., N. Y.

Spiraea, Astilboides, Floribunda, Nana Compacta.

Lily of the Valley Pips, Lily of the Valley Clumps

Hardy Lilies.

Mushroom Spawn, English and Pure Culture.

Special prices on application

Please mention the Exchange when writing.

The Bean Crop

It has been a great surprise to many that a number of varieties of garden Beans have turned out to be so short in yield, when early in the season such good reports were circulated regarding this most important crop. The writer has been investigating this matter, and feels that the following reasons for the shortage in the Bean crop seed yield, as explained by a most prominent grower, throw much light on the situation: "With us the Bean crop has proved very disappointing, owing to the fact that while the pods made a good growth, thus leading us, at inspection time, to expect a good crop of seed, yet at threshing time we found these good looking pods contained only two or three beans, whereas they ought to have contained four to six. It is easily seen what effect this will have upon the yield. This condition is attributed to the dry weather which came along just as the beans were forming. We believe the supply of seed beans for the season will show up somewhat shorter than has been anticipated in many quarters." V.

New York Seed Trade Notes

At last we have had the long-expected snowstorm; some ten inches on the level fell, and the traffic of the city is blocked until such time as the streets can be cleared. These conditions, combined with the usual after holiday feeling, have made for a very dull week with all the seed trade.

At Boddington's there is plenty doing. Tuberoses are being received and shipped; the bulbs are a very fine sample this season, sound, large and well-ripened. The half-standard Baby Rambler Roses, which in four varieties this house is offering for the first time in this country, grow only 1½ feet high, and will be a fine pot plant novelty the coming season. Forcing Gladiolus bulbs have been and are a very prominent feature just at present, the Gandavensis Hybrids being in strong demand; the sales of America alone have surpassed the most enthusiastic estimates.

Burnett Brothers did a very satisfactory Christmas trade; Japanese Fern balls went especially well, also Boston Ferns. G. G. Edmondson of this firm will make the Newport, R. I., trip this week; the firm supplies the private trade there very largely.

J. M. Thorburn & Co. are very busy getting things in shape for the seed selling season so soon to open. Their representative, Charles McTaggart, is in New Jersey visiting the private trade.

The Stumpp & Walter Co. are much pleased with the amount of Christmas business done. Decorative greens of all kinds cleaned up well with them; Mistletoe was a leader in sales.

As usual, a few hundred crates of Holly arrived too late to be sold, and have this week been offered as low as $1.25 per crate. Seldom it is that this does not happen to some shippers, someone is almost always caught.

Christmas trees at the end turned out to be in over supply with many retail dealers, especially so with the small grocers and kindred trades; quite large losses were sustained in this direction.

Wm. Elliott & Sons feel that the holiday business has been fully as good as the average of recent years. With them plants were especially in demand, Palms, Ferns and Ficus selling exceedingly well. They made a real run on small table Ferns at 60 cents a dozen. Decorative greens were well cleaned up, and the firm could have sold much more in the line of wreaths of all kinds, particularly of Holly. Red Immortelles were much in demand, but the various other colors of these sold at prices even less than usual. Altogether, a most satisfactory business was accomplished.

Vaughan's Seed Store have been having a hard time this week trying to unload, receive and ship to Europe several carloads of Tuberoses, the severe snowstorm rendering such work almost impossible. They made unusual efforts in their Christmas trade and were rewarded by accomplishing much more than in past seasons. Bouquet green sold out clean, the last price was 15 cents per pound. Their XXX Holly closed at $5 per crate. Wreathing of all kinds was also cleaned up. It was a very satisfactory Christmas business with them.

Rickards Brothers had also a week of very large holiday sales, there being, especially, much demand for bulbs for house culture. Satisfaction is expressed among the seed trade over the re-election of William C. Rickards, Jr., as the treasurer of the N. Y. Florists' Club. Mr. Rickards is very much esteemed by us all.

Wm. E. Marshall & Co. sold many decorative plants Christmas week, their fine location on 23d st. could not be bettered for this line of trade.

Peter Henderson & Co. are very busy packing early orders and putting up stock for the coming season. They report things as especially active for so very early in the season.

CINERARIAS

Extra strong, 3-in., large flowering dwarf, mixed, $3.50 per 100.
PRIMULA OBCONICA: finest large flowering, mixed, strong, 3-in., $5.00 per 100.

JOHN F. RUPP, Shiremanstown, Pa.
RUPPTON: The Home of Primroses.
Please mention the Exchange when writing.

Vinca Variegata

3½-in. pots, fine—$4.00 per 100

PANSY PLANTS, ready October 10. $2.50 per 1000
GERANIUMS, S. A. Nutt and other varieties, 2½-in. pots, $2.50 per 100.
CASH

JOS. H. CUNNINGHAM, DELAWARE, O.
Please mention the Exchange when writing.

DOMOTO BROS.
Wholesale Florists
Store, 2729 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.
Headquarters for
Japanese Plants and Bulbs, Choice Roses Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.
Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.
Please mention the Exchange when writing.

GERANIUMS Low, stocky, from pots sent nearly free of soil. S. A. Nutt, Brnanti Doble, Grant, $12.00 per 1000. Buchner, Ricard, Poitevine, Perkins, Hill, etc., $16.00 per 1000.
COLEUS Ver. and G. Bedder, $6.00 per 1000. Fancy, very brightest only, $5.00 per 1000. Giant Leaved, most showy of all, 90c. per 100. Many kinds, some new. Cash.
ASTER SEED, best kinds. Fine GLADIOLI BULBS, at bargains; will sell cheap. Write please.
DANIEL K. HERR, Lancaster, Pa.
Please mention the Exchange when writing.

One of our regular advertisers writes us as follows:
"On my part I can truthfully say that my advertisement in The Florists' Exchange has, from the beginning, been most satisfactory."
Name and address on application.

There is an unusually large and early demand for Canna bulbs; there can be no question but that the coming season will witness the largest sales of these popular bedding plants yet made.

There is an unusually large number of good novelties and specialties in seeds to be offered in the forthcoming catalogs; this will add much zest to the seed selling. On every hand the signs point to a splendid season ahead.

Short Seed Supply

There is no past record of such a worldwide failure in the supply of garden seed as in the summing up of the results of the harvest of 1909—a failure in its ramifications covering not only the Eastern, Middle and Prairie States of this country, but the seed growing sections of England, France, Holland, Denmark and Germany.

The shortage in Peas, some Bush Beans, Table Beets, Mangels, Cabbage, Radish, Turnip, in fact a shortage covering nearly all the variations of nine or ten families, is so serious that in all these cases a famine in the seed supply positively prevails this moment, with a repetition in sight, as the prospect for next year, as concerns biennials, is exceedingly unfavorable both in America and Europe.

Of course, the above forecast applies particularly to those varieties of vegetables which were grown abroad the past very unfavorable Summer and Autumn, with the intent of producing seed during the Summer of 1910, as, Onion seed excepted, not over one-tenth of the seeds used of garden vegetables were saved in this country.

In addition to this, as concerns European biennials, can be made another forecast as to the next crop of American annual garden seeds, especially as to Peas and Beans to be sown for seed in the Spring of 1910, for of these the outlook is not rosy; firstly, as seed stocks are diminished in quantity; secondly, because prices will be higher consequent upon the reduced quantity of planting stock; and, thirdly, for the reason that it is more difficult to persuade the more intelligent farmers to take contracts for growing precarious seed crops.

As a consequence of this present very alarming shortage in supply, and a well grounded apprehension of diminished acreages next Spring, both at home and abroad, in seed producing crops, there is certain to be a further advance in both American and European prices for crops of 1910 and, at present, in the face of prevailing conditions and next Summer's anticipated returns, prices for crops of 1909 will yet further advance, not only because of the scarcity of seeds, but because of the daily increasing cost of general business administration, for everything else costs more, from a ball of twine to a keg of nails, and the advance goes on.

D. LANDRETH SEED COMPANY.

Seed Personality

Burpee's New Annual is once more published to tell "the plain truth about the best seeds that grow." It would be an utter impossibility to properly describe in any reasonable space, the great value of this "book on gardening," containing as it does some hundred and eighty pages wholly devoted to illustrating and describing the very choicest and most valuable varieties of delicious vegetables and beautiful flowers. One thought, however, comes to us and stays with us as we turn over the pages—the thought of the Burpee personality, as applied to seeds, which is most apparent in every line.

Seed Personality means much; it means success in seed selling to the seedsman who has the good fortune to possess it—and Burpee does to a most marked degree. Seed Personality may be defined as a living and controlling organism exercising supervision over all minute details, thus ensuring the highest germinating qualities, the truest types, and, through such factors, expressing The Burpee-Quality in Seeds.

No person having a garden, no matter how small, should be without the Burpee catalog of seeds. It is full of human interest from cover to cover, and its reading will fill one with an added love and enthusiasm for the delights of a garden. The reader can believe every word and picture in it, as there is no exaggeration either in descriptions or illustrations. Burpee's New Annual is most certainly a fit representative of one of the largest Mail-Order Seed Businesses in the world.

Having to do with the development of the Burpee business in 1909 are two enlargements, both of considerable importance. The first was the purchase of an additional contiguous property on Fifth st., York ave. and Buttonwood st., Philadelphia, giving the Burpee Co. an entire city block all to itself for warehouse purposes; this event was noted in The Florists' Exchange of June 5, 1909.

The second event, announced in our issue of Oct. 2, 1909, was the purchase of a farm in California whereon the Burpee firm could absolutely control the raising of its own specialties grown in that climate, and the appointment of Edwin Lonsdale, our esteemed correspondent, as manager thereof.

DALLAS, TEX.—The Southland Seed Co. has been incorporated with a capital stock of $20,000. Incorporators: William D. Garlington, Cullen H. Tinker and Herbert H. Holloway.

YANKTON, S. D.—The Gurney Seed & Nursery Co. has just installed a bag filling machine that is guaranteed to fill and paste 4,500 packets of seeds an hour, putting the same amount of seed in each packet, to the fraction of an ounce. The machine will dispense with the services of a large number of employees and do the work much more accurately.

ALBANY, N. Y.—Frederick W. Eberle has just purchased from his late partner, Frank A. Sherman, the interest of the latter in the seed firm of Sherman & Eberle. This business started with a limited capital, in 1898, in Albany, under the firm name of Woodward, Sherman & Eberle, and upon the withdrawal of Mr. Woodward in 1902 was continued by the other partners under the name of Sherman & Eberle. The business has grown largely under their management.

Forcing Gladiolus

Many florists plant these in boxes, or among their carnations, in the Winter. They are excellent for decorative purposes and realize good prices, either wholesale or retail. Gladiolus are a good catch crop and take up but little room. The following are the best for this purpose.

Gladiolus Gandavensis Hybrids

America. The flowers, which are of immense size, are of the most beautiful flesh-pink color. $3.25 per 100; $30.00 per 1000.
Augusta. The florists' best white Gladiolus. First size bulbs, 1¾ inches and up. $2.00 per 100; $18.00 per 1000. Bulbs, 1½ to 1¾ in., $1.75 per 100; $16.00 per 1000.
Shakespeare. White and rose. $4.75 per 100; $45.00 per 1000.
May. Pure white, flaked rosy crimson; the best forcer. Selected bulbs, $1.75 per 100; $15.00 per 1000.
Brenchleyensis (true). Fiery scarlet. Selected bulbs, $1.50 per 100; $13.00 per 1000. First size bulbs, $1.25 per 100; $10.00 per 1000.
Boddington's White and Light. Extra selected bulbs, 1¾ in. and up. $1.50 per 100; $14.00 per 1000. Bulbs, 1½ to 1¾ in., $1.25 per 100; $10.00 per 1000.
American Hybrids. A mixture of the choicest varieties of Gladiolus in cultivation. $1.00 per 100; $9.00 per 1000.

Gladiolus, Colvillei and Nanus (type).

Plant some of these among your carnations; they will come in handy at any time.
Queen Wilhelmina. Bluish white, with conspicuous blotches of cream, with scarlet margin. $1.50 per 100; $12.00 per 1000.
Ackermanii. Salmon-orange, with white blotches, edged scarlet; very pretty. $0.75 per 100; $6.50 per 1000.

Remember, you may deduct 5 per cent. if cash accompanies order.

ARTHUR T. BODDINGTON, Seedsman
342 West 14th Street NEW YORK CITY
Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS
ALL COLORS
SEND FOR LIST
ANTON C. ZVOLANEK, Bound Brook, N. J.
Please mention the Exchange when writing.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.
Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO.
BOSTON, MASS.
SEEDS
For Florists, Market Gardeners and Critical Buyers
Wholesale list mailed to those using seeds in quantity
Please mention the Exchange when writing.

EVERY FLORIST WHO GROWS ASTERS
Should Send for Our Aster Book Immediately
Get your name on our files for our regular **Florists' Wholesale Catalogue.** These books are free.
JAMES VICK'S SONS
ROCHESTER, N. Y.
Mention this paper
Please mention the Exchange when writing.

ONION SEED==ONION SETS
We are large growers of and dealers in Onion Seed and Onion Sets.
Write for prices on 1909 crop.
Can also quote contract prices for the 1910 Onion Seed crop.
SCHILDER BROS., Chillicothe, O.
Please mention the Exchange when writing.

DAHLIAS
We are growers of the very best, have a large collection to select from. Send for prices.
DAVID HERBERT & SON
ATCO, N. J.
Please mention the Exchange when writing.

F. E.—Best Advertising Medium

CHOICE GERMAN
FLOWER SEEDS
Catalogue free on application
Stamp letters 5 cents; foreign post cards 2 cents
FREDERICK ROEMER,
Seed Grower Quedlinburg, Germany
Please mention the Exchange when writing.

CABBAGE
Wakefield and Succession, $1.00 per 1000, $8.50 per 10,000.
PARSLEY, 25c. per 100, $1.25 per 1000.
LETTUCE, Big Boston, Boston Market and Grand Rapids, $1.00 per 1000 Cash with order.
R. Vincent, Jr. & Sons Co., White Marsh, Md.
Please mention the Exchange when writing.

PANSY PLANTS
From my well-known strains (none better).
DAISIES (Bellis) and FORGET-ME-NOT, fine plants, $2.00 per 1000.
PRIMULAS, all kinds, CINERARIAS, DOUBLE ALYSSUM, ASPARAGUS Plumosus and Sprengeri, DOUBLE PETUNIAS (Dreer's), PARIS DAISIES, White and Yellow, all kinds of GERANIUMS, 2½-in., $2.00 per 100, 300 for $5.00.
LETTUCE, Grand Rapids, Big Boston, $1.00 per 1000.
J. C. SCHMIDT, Bristol, Pa.
Please mention the Exchange when writing.

SEED by the oz. or lb. **PANSIES** **PLANTS** 150,000
The Jennings Strain, fine field-grown plants, large-flowering, in great variety of fancy colors. Strong plants for cold frames, $3.00 per 1000, by express, 60c. per 100 by mail.
PANSY SEED, finest mixed, $5.00 per oz., $1.00 per pkt. of 4000 seeds. Sample of Pansy blooms by mail free.
E. B. JENNINGS, Lock Box 254 **Southport, Conn.**
Grower of the Finest Pansies
Please mention the Exchange when writing.

Vinca Variegata
3-in. pots, $3.00 per 100.
GERANIUMS
Nutt, Poitevine, Ricard, Barney, Viaud, Castellane, Jaulin, Montmort, Pasteur Perkins, Doyle, 2-in. pots, $18.00 per 1000. Buchner, 2-in. pots, $15.00 per 1000.
ROOTED CUTTINGS, Fuchsias, Salvias, Heliotropes, Lemon Verbenas, Double White Feverfew, Double Giant Sweet Alyssum, Vinca Variegata, Double Petunias, $1.00 per 100. Ageratum Gurney, 60c. per 100. Cash with order.
ERNEST HARRIS, Delanson, N. Y.
Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: "Saw your advt. in F. E."

BABY RAMBLER ROSES

BABY DOROTHY. The best yet. Color deep pink, fine form, a profuse bloomer. Strong field-grown plants, $25.00 per 100; 4-in. pots, in bloom, $15.00 per 100.

BABY CRIMSON (Mad. Norbert Levavasseur) Strong field-grown, $15.00 per 100; 4-in. pots, in bloom, $12.00 per 100.

The New England Nurseries, Inc.
BEDFORD, MASS.

Please mention the Exchange when writing.

For more than fifteen years, I have made a specialty of growing Privet. My stock is of the very finest quality—in fact, the best I have ever offered. This Privet will please you in every respect. I have a very large quantity, and can take care of all orders. Let me quote you prices before you order.

C. A. BENNETT, Box 62, Robbinsville, N. Y.

Please mention the Exchange when writing.

Hardy American Grown Roses
General List of Nursery Stock.—Write for our Trade List.
W. & T. SMITH COMPANY
63 YEARS GENEVA, N. Y. 800 ACRES

Please mention the Exchange when writing.

Evergreens Shrubs Shade Trees Privet
100 Acres of Nursery. Ask for quotations upon your own list of wants.
HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

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NORTHERN GROWN NURSERY STOCK
We Grow a General Assortment of
Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.
Prices Reasonable. Wholesale Trade List for the Asking
THE BAY STATE NURSERIES, North Abington, Mass

Please mention the Exchange when writing.

Araucaria Excelsa
5-inch pots—4 to 5 tiers—15 to 18 inches high
60 cts. each, $6.00 per dozen
THE CONARD & JONES CO.
West Grove, Pa.

Please mention the Exchange when writing.

LARGE TREES
OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES
WILLIAM WARNER HARPER, Proprietor
Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

ST. REGIS EVERBEARING
The "Early 'till late" Raspberry.

The most marvelous Raspberry of the age.

The earliest to ripen. The biggest, the best and the brightest red berries of all raspberries. The greatest yielder and the canes are as hardy as an oak tree.

Begins to ripen early in June and continues constantly until late Autumn.

Full particulars and attractive prices to the trade promptly given by mail.

J. T. LOVETT, LITTLE SILVER, N. J.

Please mention the Exchange when writing.

A VERY PROSPEROUS AND HAPPY NEW YEAR TO THE TRADE
RESPECTFULLY
VAN DER WEIJDEN & CO.
Wholesale Nurseries
BOSKOOP, HOLLAND
Proprietor: D. G. WIEGAND, Bruss.

Please mention the Exchange when writing.

CALIFORNIA PRIVET

500,000 2-yr. plants, with 12 to 20 branches; have been transplanted once and cut back 2 yrs.; $4.00 per 100, $37.50 per 1000, packed. Will make a good close hedge at once. 500,000 2-yr. plants, 2½ to 3 ft. with 10 to 15 branches, cut back 1 yr.; $3.00 per 100, $27.50 per 1000 packed. 1-yr. plants 12 to 18 in., well branched, $2.00 per 100, $17.50 per 1000, packed. 500 at 1000 rates. Cash with order.

JOHN BENNETT, Atlantic Highlands, N. J.

Please mention the Exchange when writing.

KOSTER & CO.
HOLLANDIA NURSERIES
Boskoop, Holland.
Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.
Catalogue free on demand.

Please mention the Exchange when writing.

Viburnum Plicatum, in sizes from 3 to 6 ft.
Japanese Judas, very heavy, 3 to 4 ft.
Spiraea Anthony Waterer, very heavy, 1½ to 3 ft.
Regel's Privet (Ligustrum Regelianum), 2 to 4 ft.

These are but a few of our leaders; we have an enormous assortment of other varieties. Also deciduous trees, especially **Willows, Lombardy Poplars, American Lindens,** and **Dogwood.**
Let us have your "want list," and ask for our catalogue.

The Wm. H. Moon Co., Morrisville, Pa.

Please mention the Exchange when writing.

P. OUWERKERK
216 Jane Street
WEEHAWKEN HEIGHTS, N. J.
P. O. No. 1, Hoboken, N. J.
Just Received From Our Holland Nurseries
Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.
PRICES MODERATE

Please mention the Exchange when writing.

AMPELOPSIS VEITCHII

Fine, well rooted, one year plants, 18 to 24 inches; 50, by mail, $2.00; 100, by express, $3.00; 1000, $25.00. Plants in cellar for Spring. ASPARAGUS, extra strong, 2 year plants, $1.00 per 100; $4.00 per 1000. 3 years, $1.25 per 100; $5.00 per 1000. They will please.

CHARLES BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

ALMA NURSERIES, Oudenbosch, Holland
NURSERIES AT OUDENBOSCH AND BOSKOOP
Proprietors { U. J. Heerma Van Voss, H. A. M. Swellengrebel.
Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.
Large stock of **Ornamental Trees** and **Shrubs, Conifers, Evergreens,** etc. First-class stock only. Prices reasonable. Sole American Agent:
J. MEERKAMP VAN EMBDEN, JR. Mount Vernon, N. Y.
Ask for our General Catalogue and special offer.

Please mention the Exchange when writing.

California Privet
SPECIAL

For two weeks we will make special price on car-lots of 18 to 24 in., 2-yr., well branched and extra fine rooted stock. Small quantities at low prices.

Asparagus, Palmetto and Giant Argenteuil, 3-yr., extra strong, **$5.00** per 1000.

Jos. H. Black, Son & Co.
Hightstown, N. J.

Please mention the Exchange when writing.

August Haerens
Somergem, Belgium
Special grower of High-Grade and new AZALEAS, KENTIAS, ARAUCARIAS, BAYS, etc.
August Rolker & Sons, 31 Barclay St., New York, American Agts.

Please mention the Exchange when writing.

FERNS! FERNS!
Assorted Ferns for Jardinieres in 6 to 8 best varieties. Good, strong plants from 2¼ in. pots at $3.00 per 100, or $25.00 per 1000.
ASPARAGUS P. NANUS Seedlings, strong, $1.00 per 100, $9.00 per 1000.
THOMAS P. CHRISTENSEN
SHORT HILLS, N. J.

Please mention the Exchange when writing.

Geraniums
Rooted Cuttings
S. A. NUTT, BUCHNER, ... per 1000, $10.00
VIAUD, ... per 1000, 12.00
Cash with order.
PETER BROWN, 124 RUBY STREET, LANCASTER, PA.

Please mention the Exchange when writing.

The Florists' Exchange is exclusively a Trade Paper. Prices at which stock is offered in these columns are intended for the Trade only.

CINERARIA STELLATA

Fine plants 2½ in. pots, large enough to go at once into 4-in., 3c.

Primula Obconica Gr.

Good-sized plants in 3-in pots, ready to shift and just coming into bloom, 4c.
These must be sold—we need the room. Liberal count and the best of packing.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, uisiana, Mo., Vice-president; John Hall, Rochester, . Y., Secretary; C. L. Yates, Rochester, N. Y., treas-er.

DES MOINES, IA.—The M. J. Wragg Nursery Co. has rchased 40 acres of land near this city, and will use for raising fruit.

RICHLAND, WASH.—The Richland Nursery Co. has en incorporated with a capital of $25,000. Incorpora-rs: C. F. Breithoupt, J. H. James and others.

axodium Dis-chum Pendulum The Bald Cypress of the South, Taxodium dictichum, is one of the commonest trees of the low lands the far southern States. It is found, too, in States lmost on the border line of North and South, being sted as found in Delaware. And because of its odd rowth—a thin cone, oftentimes—it is found planted on any a lawn in the North. Strange, too, to say that ough coming from far South as they often do, they ndure our northern Winters very well.

We have illustrated one of its beautiful varieties, the eeping one. It is not common in cultivation, though it ould be, for planted in low, deep ground, as this one , it is beautiful. It is pretty even in Winter when efoliated, though in Summer its foliage adds to its eauty by making more distinct its drooping character.

This Cypress and all its varieties are swamp lovers, ut in common with trees of similar character it appears thrive just as well in low ground.

Nurserymen increase this weeping form by grafting it o the common stock, seedlings of which are easily ised from seeds sown in Spring.

limbing Rose ardenia One of the hybrid Wichuraiana Roses, Gardenia, has been several years before the public at this date, t it is only of late that its worth is being appreciated it deserves. Besides having the healthy foliage of e type, together with greater vigor, it is, practically, e only hardy climbing Rose having yellow flower buds a yellow Rose one may say, though it is white when lly expanded. But it is when in the bud that all oses are the most valued, whether for cutting or for auty of appearance, and when at this stage of expan-on this Rose is yellow. While naturally of a strong owth, it helps the buds to make the plant still stronger, r then the buds increase in size and beauty. A good inter dressing of manure brings out vigorous shoots in ummer, and these are the ones from which flowers will me the season following.

A great deal of pruning of this class of Roses is not ecessary. The lengthy shoots of the past season must preserved, as from these an abundant crop of flowers ay be expected. These shoots may have made lengths ten to fifteen feet, from which a third of the ends of ich may be cut away. This will make the remaining arts give larger buds than if there had been no pruning.

ragrance of smanthus Flowers Where Osmanthus Aquifolium is hardy, as it is in the milder portions of the Middle States, is a beautiful and interesting shrub. It is usually lanted because of its Holly-like leaves and its ever-reen character, but where its flowers have been seen ey almost outclass its other merits, they are of such elicious fragrance, yellowish white in color, and ap-earing in the last days of Autumn. The sweet odor the blossoms can be perceived at some distance from e bush. Those who are acquainted with the delicate nd refreshing odor of the flowers of the Elæagnus imoni will understand what those of the Osmanthus semble in odor when we say they resemble this closely; nd, strangely, both flower in late Autumn; often some owers are open still when frosts appear. The Witch lazel used to be considered the latest blooming shrub, ut these two are just as late.

This Osmanthus has a variety with smaller leaves han it, called ilicifolius; another one, myrtifolius, is pineless.

There are so few good broad-leaved evergreens hardy nough to withstand our zero Winters, that such kinds s this Osmanthus are doubly welcome.

In severe Winters this evergreen has been known to ave its immature tops injured in open places near hiladelphia, but this does not occur after the plants et of large size and bushy.

Osmanthus (Olea fragrans) is a greenhouse shrub, ell known for its fragrant flowers. Both it and the e of our notes, Aquifolium, are from Japan and China, ut the latter species is the hardier of the two.

It is claimed for this Osmanthus that it can be in-reased quickly by grafting it on the common privet.

A Real Ever-blooming Rose A miniature Rose, both in growth and flower, is the Baby Rambler, so-called, a dwarf growing sort, but by no means a Rambler. It has flowers the color of the Crimson Rambler and, like this well known sort, they come in clusters, but there the likeness ends. It ends in the period of its blooming, too, for the Crimson Rambler flowers in June only, while the Baby Rambler flowers from June until freezing weather sets in being practically never without flowers the whole season. It would be hard to name another hardy Rose that does this.

The Teas are supposed to be always in flower, but, beautiful as they are, their blooming is not so continuous nor as abundant as the Rose to which we refer. Florists have found some difficulty in recommending to their customers a dwarf everblooming Rose for planting in cemetery lots. The Baby Rambler would fit it in dwarfness and constant blooming and would give a crimson flower, small but pretty, quite distinct from any other hardy kind available today.

Taxodium Distichum Pendulum. Weeping Cypress

Citrus Trifoliata, the Hardy Orange The call for hedges of a defensive nature is not now so common as it was in the past, for the reason that barbed wire has taken their places where protection from intruders is required, and wire without being barbed is sometimes sufficient. Osage Orange, once a common hedge, is now rarely seen, unless in the newly settled parts of the country, where tree agents sometimes make sales of it.

Wherever a defensive hedge is required and the cold of Winter is not extreme, the hardy Orange, Citrus trifoliata, is unsurpassed for hedging. Its stiff growth, thorny nature and freedom from suckers, are all in its favor, and then there are its white Orange blossoms in Spring and its golden yellow Oranges in Autumn.

If thorn hedges were sought for as they used to be this hardy Orange would run out of demand the Osage Orange in many States for, besides the qualities already mentioned, it seeds freely and seeds grow well, so that the plants could be sold at a low figure.

It has proved quite hardy at Philadelphia so, from that city southward, it could be used without risk and, no doubt, farther North as well. It has become a great favorite with those who need stocks for budding sweet Oranges, as it answers the purpose well.

We expect the year of 1910 to be the greatest in the annals of the Nursery Trade—Are you prepared to work for and win your share?

Clematis Montana The Clematis Montana, so much in evidence rambling over dwellings in England, makes little or no headway with us; for what reason, unless perhaps lack of hardiness in some situations, it is hard to say. So far as concerns Philadelphia it is hardy, and it thrives well. The flowers are white, and while not so large as some of the Jackmanni type the flowers are two inches or so in diameter, and are slightly fragrant. There are white ones in the Jackmanni class, but none of this section make as bushy a growth as the Montana, which is why it is a better one where shade is some object, as well as the beauty of the flowers.

A pleasing combination is formed by planting several varieties of Clematis near each other; the white, the purple, the crimson and the scarlet make a good selection. The scarlet is the herbaceous species, coccinea. Although herbaceous it makes shoots ten feet or more in length when it is a strong plant, quite tall enough to take its place as one of a group.

The C. Montana and many other species can be used to good purpose in planting them to run over bushy shrubs. Running at will in this way they are always more graceful looking than when trained.

Camphor Trees The Camphor tree has been favored with many names in its time, Laurus camphora, Camphora officinalis and lastly Cinnamomum Camphora. It is the tree from which the camphor of commerce comes, the camphor being obtained from the oil procured from the various parts of the tree by means of distillation.

In the northern States this beautiful evergreen is rarely seen, excepting in some of the older collections of plants, and in the conservatories of some of our large parks. It is not sufficiently hardy to withstand hard Winters, being a native of the warmer parts of Japan. It will endure 10° or more of frost, and even more if in the shade. It is very likely that if deprived of its leaves in late Autumn it would endure more cold than with them, as many evergreens will. The foliage calls for so much moisture in Winter that in dry seasons, between the cold and the lack of moisture, evergreens succumb to cold they could endure under better conditions.

The Camphor tree is not particular as to soil. In the southern States it flourishes well, no matter where planted, in poor or in rich ground, as it does also on the Pacific Coast.

In Florida the seeds ripen in October, and, if it is wished to raise seedlings, the seeds require sowing soon after gathering; for allowed to dry out germination is destroyed.

It is a tree often seen in gardens in the South; and in pots in the North it could be grown to give pleasure, the odor of the leaves when crushed reminding one somewhat of the wild spice bush, Lindera (Laurus) Benzoin, to which it is closely allied.

Red-Twigged Dogwood One of the pleasures of lawns and pleasure grounds in Winter is the several kinds of shrubs and trees that change the color of their young bark at that season. There are several do this, but the chief ones are Willows and Dogwoods. Just now, with Winter at its commencement, the Red-twigged Dogwood, Cornus alba, leads all in its bright red color, as it will continue to do all Winter. As soon as the first cold days of Winter come, this Dogwood commences to make its change. Up to this time there is a greenish red color, the green predominating, its Summer color, but with the cold approaching the change to red commences, the color gradually deepening until it becomes of the deepest red. This color it holds all Winter, the change to its Summer color commencing with the decline of cold weather in April.

An attraction such as this blood red shrub is in Winter is a great feature, and where grounds are extensive several should be planted together, to add to the effect the color gives. As it is the shoots of the past Summer that give the color, the display is helped along by giving the bush a close pruning in Spring or late Winter, to cause the formation of vigorous growth through the Summer.

There are many shrubs and trees the beauty of which is better displayed in Winter than in Summer. Some of the weeping trees, notably the Weeping Dogwood, are thought more interesting in Winter than in Summer; and how the white barked Birches are admired then! Evergreens, too, add greatly to the pleasure of grounds containing them. It is then of all times that they appear to us as staunch friends, presenting to us the same garb they did in Summer; and we, therefore, show how we appreciate them, by noticing them far more then than at any other time.

HARDY ROSES For Forcing

Ready for Immediate delivery

The right time to buy Roses is when they are fresh and well ripened. Roses potted up in the fall or late winter become better established and force better, and are far more satisfactory in every way, and you can retard or force at your leisure. We recommend the American-grown "Ramblers." Don't attempt to force imported Ramblers; the general experience is that they are failures.

Something New in Roses for Florists

Half Standard Baby Ramblers

These are Baby Ramblers, grown on stems or standards about one and a half feet high, and will be a novelty for your trade you cannot profitably overlook. They are offered for the first time in this country in the following varieties:

BABY DOROTHY (Half standard). Deep pink. 60 cents each, $6.00 per dozen, $45.00 per 100.

BABY RAMBLER (Half standard). Crimson. 45 cents each, $4.50 per dozen, $35.00 per 100.

BABY CATHERINE SEIMETH (Half standard). White. 45 cents each, $4.50 per dozen, $35.00 per 100.

BABY "STARS and STRIPES" (Half standard). White and red grafted on the same plant; most attractive. 50 cents each, $5.00 per dozen, $40.00 per 100.

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We offer extra strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name.

Price, 75c. for 5 (of one variety), $12.00 per 100, $110.00 per 1000.

Alfred Colomb. Carmine.
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Fisher Holmes. Dark rich scarlet.
FRAU KARL DRUSCHKI. The finest white in existence.
General Jacqueminot. Rich velvety crimson.
General Washington. Beautiful red, shaded carmine.
John Hopper. Beautiful rose-pink.
La France. The finest light pink.
Margaret Dickson. White, pale flesh center.
Magna Charta. Clear rosy pink.
Mme. Gabriel Luizet. Light satiny pink.
Mme. Plantier. White.
Mrs. John Laing. Soft pink. Most desirable variety.
Paul Neyron. Beautiful dark pink.
Prince Camille de Rohan. Velvety crimson.
Ulrich Brunner. Cherry-red.

Dorothy Perkins

Shell Pink. $1.25 for 10, $12.00 per 100. Extra strong, $1.75 for 10, $15.00 per 100.

Tausendschon

The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. **$2.25 for 10, $20.00 per 100.**

Tausendschon (standard grown). Each **50c.**, doz. **$5.00**, 100 **$40.00.**

HIAWATHA. The flowers are single and are of a deep, intense crimson shade with the petals shading to a pure white base. Flowers very freely and is undoubtedly one of the best of the single Roses for forcing. Extra strong, two-year, field-grown, **$3.25** for 10, **$30.00** per 100.

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Large heavy plants, two years old, mossed and packed in bundles of 10.

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3 to 5 feet	1.75	15.00
4 to 6 feet, extra strong and heavy	2.25	20.00

Baby Rambler Roses

BABY DOROTHY. The Pink Baby Rambler, and bound to find favor where the Baby Ramblers are popular. **$1.75** for 10, **$16.00** per 100.

Baby Rambler

(Mme. Norbert Levavasseur)

Strong field-grown plants, **$1.75** for 10, **$15.00** per 100.

Arthur T. Boddington, Seedsman,

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GERANIUMS Let us have your order for **GERANIUMS** for immediate shipment or to reserve until you want them. Standard varieties like **S. A. Nutt, Mad. Barney, John Doyle, Alphonse Ricard, Beaute Poitevine, Mad. Landry, Berthe de Pressily, Marvel** and **La Favorite,** $25.00 per 1000 for strong 2¼ in. pot plants.

Selections of 1000 in named varieties, our choice, all good sorts, $20.00 per 1000. Tell us how many varieties you wish. Can do so if you want that many.

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Extra strong, thrifty stock, ready to shift, 3-in., $35 per 1000.
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Large plants in 6-in. pots, $20.00 per 100.
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GREEN'S FARMS, CONN.

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Get in on ROSES

From early Summer propagation on own roots. Booking orders now for Winter and Spring delivery.

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Violets! Violets!

MARIE LOUISE, clean and healthy in every particular. 3-inch pots, $5.00 per 100, $45.00 per 1000.

Cash with order.

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Glen Valley. Variegated.
Improved New Mound. A dark pink.
Edith. Medium shade of pink, a distinct variety.
Edith 2d. Has two distinct shades of bloom on the same stalk.
Wellesley. Dark pink shade, a taller variety.
Price $5.00 per 100. No Catalog.

THADDEUS HALE,
Cor. Forest and Leaver Streets,
WELLESLEY HILLS, MASSACHUSETTS

THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order "saw your advt. in the EXCHANGE."

St. Paul, Minn.

Business has been good ever since frost came in the Fall, and the holiday season found everybody working hard, early and late.

Dark days have been very plentiful and the growers have been watching patiently for brighter ones. There was a good supply of stock though shortages were apparent in the line of blooming plants.

The switchmen's strike has demoralized traffic somewhat, so that freight shipments are several days late and express shipments are three to six hours behind.

Christmas trees were plentiful while Holly and Lycopodium were in evidence at all the stores.

Our Dutch bulb friends are arriving and departing daily. Chas. Schwake, with C. F. Meyers, New York, was a caller. VERITAS.

Cincinnati

Business for Christmas was very good; stock was fine and everybody was satisfied. It was like an old-fashioned Christmas, with lots of snow, making it hard on the retail dealers who had quantities of stock to deliver.

Geo. E. Tromey's store on Vine st. was handsomely decorated with red roping and small red electric lights, Poinsettias and Gloire de Lorraine Begonias, which made a fine showing.

Heller Bros. of New Castle, Ind., sent in especially fine stock, consisting of American Beauty, Killarney, Richmond, Mrs. Jardine, Maryland and Bride Roses, upon which we received many congratulations. Carnations in red, white and pink, sold readily. We also had a fine lot of Sweet Peas, and a few Forget-me-nots made their appearance.

I wish all The Florists' Exchange readers a happy and prosperous New Year.
E. G. GILLETT.

Cleveland

The Christmas trade was all that could be expected. Everything sold well, but Violets were ordered beyond the amount expected to be sold. American Beauty Roses held fire somewhat, but they were rather high-priced at wholesale.

The weather conditions were ideal. On Christmas Day there was plenty of snow on the ground and everything sold rapidly. There was a great demand for perpetual goods and many wreaths were sold, both of Ruscus and prepared Moss. There was not the demand for red Immortelle wreaths this year. A lively demand for Carnations was experienced at $6 to $10 per 100, and Roses at $8 to $15 per 100, but the demand was greater for red Roses. Valley sold at $4 and $5 per 100. There was plenty of Paper White Narcissus at $4 per 100, Roman Hyacinths at $3 per 100, Stevia at $1.50, and Sweet Peas, $1.50 per 100. Holly was scarce and sold at from $3.50 to $4.50 per case. There was plenty of Southern Smilax and the string variety.

A few kicks were registered, but on the whole most everything was very satisfactory. Stock was good and every line of business went along without a hitch.

Knoble Bros. reported a splendid business. They had six wagons and two autos busy for two days.

Westman & Getz claim their business was very good, particularly in fancy baskets filled with foliage plants.

Chas. Bramley did his usual large business and is perfectly satisfied with results.

Mrs. Lincoln Brown had a fine business, considering her new location; customers seemed to naturally gravitate there.

Miss Fanny L. Evans, the popular secretary of the Cleveland Cut Flower Co. received 25 presents from admiring friends.

Peter Nichols had two stands in the Arcade; one particularly, having the prepared stock, was cleaned out.

Jones, Russell Co. are more than pleased with the exceptionally large business they have done, considering it is their first year in business.

Smith & Fetters report a large increase in their retail business.

Kirchners did a much larger business in plants this year than previously.

City Forester Boddy resigns his position with the City Park Department and will devote his time to writing a book on "bugology." O. G.

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Catalogs Received

SLUIS & GROOT, Enkhuizen, Holland.—General Price List under late of Dec. 15, 1909, of Vegetable, Flower and Agricultural Seeds.

OTTO PUTZ, Erfurt, Germany.—Annual Trade Seed List. The offers are exclusively of Flower Seeds with a selection of some Tree and Shrub Seeds.

WATKINS & SIMPSON, London, Eng.—Foreign and Colonial Wholesale Catalog of Garden and Flower Seeds, in which listings are included quite a selection of Novelties in both sections.

FOREST NURSERY AND SEED CO., McMinnville, Tenn.—Wholesale Trade List of Deciduous Trees, Seeds, Collected Seedlings, Shrubs, Collected Evergreens, Vines and Creepers, and Native Ferns.

I. N. SIMON & SON, Philadelphia.—Wholesale Price List of Seed Specialties for Market Gardeners, 1910. The front cover bears an illustration in color of Tomato Extra Early Mascot, pronounced by the firm as the best extra early and the greatest yielder they have ever seen. The catalog lists a full line of select seed for the purposes designed.

THE BARTELDES SEED CO., Denver, Col.—1910 Catalog of Western Seeds. The size and contents are indicative of the growing importance of the seed trade in the West. Full lines of Vegetable and Flower Seeds are catalogued, and much space is given to Seeds and Requisites for the Farm. Tree Seeds, Deciduous, Fruit, and Rocky Mountain Evergreens, are a feature. Front and back covers are lithographed in colors.

JOHNSON SEED CO., Philadelphia.—Johnson's Wholesale Price List of Tested Seeds, for 1910. This is a 48 page publication covering Vegetable and Flower Seeds, Farm and Garden Tools, and Greenhouse Requisites. Among the Vegetable novelties described are a new German Cabbage, and a new Earliana Tomato. The catalog appears in a handsome cover, the front page, bearing a half-tone design showing an old gardener admiring his product, and the back page illustrations of the interior of the company's store, and a section of the trial grounds.

IOWA SEED CO., Des Moines, Iowa.—This firm, whose motto—"Only One Quality—the Best" appears on their front cover, come forward this year with quite a representative catalog, embracing within its pages every known vegetable and flower seed for the planter as well as the various tools and appliances necessary in the cultivation of the soil. The front cover shows, in colors, a collection of Roses, as well as advising the fact that they maintain 32 large greenhouses and carry 12 acres in flowers at their city establishment. Other color pages shown embrace the back cover, with collections of Tomatoes and Flowers; collections of Corn, Oats and Potatoes, and a plate showing a collection of Chrysanthemums and one of Geraniums.

J. F. NOLL & CO., INC., Newark, N. J.—A modern catalog of the latest type, amply and profusely illustrated with half-tone illustrations which serve to convey life-like images of the goods offered. The book is 8x10 ins., thus allowing the use of large type, good headings and impressive pictures, all clearly and well printed. The contents include full offers of all that is of value in Garden and Farm Seeds and covers, also, a full range of Flower Seeds, Spring Bulbs, etc. Insecticides, Fungicides, Fertilizers, Tools and Implements are also listed. Since the previous catalog was issued, Mr. E. C. Dungan, for over thirty years with Wm. Henry Maule of Philadelphia has become president of the Noll Company and Mr. Theo. Cobb, for over twenty years with D. M. Ferry & Co. of Detroit, secretary. Mrs. E. W. Noll, the treasurer, is the wife of the late J. F. Noll, the founder of the business.

AGGELER & MUSSER SEED CO., Los Angeles, Cal.—Catalog of Vegetable and Flower Seeds, Tree Seeds, Deciduous Trees, Palms and Dracænas, Ferns, Flowering Bulbs, Chrysanthemums, Decorative Plants, Evergreen Trees and Shrubs, Vines, Roses, Fruit Trees, Small Fruits, Farm and Garden Tools and Supplies. Considerable space is given to a line of Eucalyptus seeds, and there is a chapter on the propagation and care of Eucalyptus. In the novelty section are to be found a new Ostrich Plume Aster called Pluto, flowers deep blood red; Ruth Fisher, a new variety of Forget-me-not; a new Gloxinia, Regina; a new German Calceolaria; a purple-flowered Kudzu vine; new Nasturtiums, Phloxes, and Sweet Peas. The publication contains 144 pages, is well illustrated, and appears within handsome lithographed covers bearing representations of two vegetable specialties.

THE LIVINGSTON SEED CO., Columbus, O.—Livingston's Seed Annual for 1910, a 130 page catalog of Vegetable and Flower Seeds, Bulbs, Roots, Ferns, Flowering Plants, Roses, Hardy Herbaceous Plants, Peonies, Aquatic Plants, Climbers, Hardy Ornamental Trees and Shrubs, Hedge Plants, Ornamental Flowering and Shade Trees, Fruit Trees, Small Fruits, Grass Seeds and Garden and Farm Tools and Requisites. Among the vegetables are several novelties, and among the floral novelties appears Vick's new Mikado Pink Aster; two new dwarf varietgated leaved Nasturtiums; Starlight, a new Sunflower; and new Spencer Sweet Peas. The publication appears in handsome covers, the front page bearing an embossed representation, in color, of Livingston's Coreless Tomato, and the back page similarly embossed illustration of Livingston's Ohio Sugar Muskmelon, and the body of the book profusely illustrated with half-tone plates and a colored plate of Pansies and Phlox Drummondi. Also Livingston's Wholesale Price List of "True Blue" seeds for Market Gardeners, a 48 page publication embracing Vegetable and Flower Seeds and Roots for Florists and Market Gardeners, freely illustrated, and appearing within covers tastefully embellished with half-tone illustrations.

GALENA, ILL.—The Savannah Greenhouse sustained a loss of about $200 recently through the bursting of one of the water pipes. All the Carnations in one house were frozen.

CENTRALIA, ILL.—The J. W. Ross Co. has been incorporated with a capital stock of $40,000 to conduct a florist, seed and nursery business. Incorporators are J. W. Ross, J. E. Karnes and J. J. Bundy.

Prices Advertised in these Columns are for THE TRADE ONLY

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The new insecticide discovery that kills plant lice of every species

Effective Indoors and Outdoors

Send for descriptive circular

GEORGE E. TALMADGE, INC.
Madison, N. J.
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A large and attractive lot of established plants; also importations coming, which we offer at advantageous prices.

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CATTLEYA Warneri, C. Harrisoniae, C. Gaskelliana, C. Gigas, Hardyana type; DENDROBIUM Phalenopsis, Schroederi; ODONTOGLOSSUM Luteo-purpureum, Sceptrum.

LAGER & HURRELL, Summit, N. J.

Please mention the Exchange when writing.

ORCHIDS

We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawrenceana, Gaskelliana, Dowiana and Percivaliana. Write to-day.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

Please mention the Exchange when writing.

IMPORTANT ANNOUNCEMENT TO CARNATION GROWERS

At the earnest solicitation of a large number of commercial and private growers, the Cottage Gardens Company has decided to disseminate, this year, the two famous Carnations—

Mrs. C. W. Ward and Alma Ward Two varieties which are well known to all the leading growers of the country. Four years' test in the New York market has demonstrated their popularity and good staying qualities. For the past three years we have been growing from fifteen to twenty-five thousand Plants of each, during which time they have always commanded the highest market prices, and at no time has the supply been equal to the demand.

On the exhibition table they have taken the highest honors, and we believe it is safe to say these two Carnations stand without an equal.

Carnation, Alma Ward

Mrs. C. W. Ward

MRS. C. W. WARD is a perfectly formed flower with full center; color deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems, 24" to 36" in length. A vigorous, healthy grower, and has never shown disease of any kind.

A very early and free bloomer, producing fine flowers as early as September 1, which bring from twenty-five to fifty per cent. more than any other variety on the market.

The keeping qualities of this variety are remarkable. Several shipments of blooms sent to Europe reached their destinations in perfect condition, and wherever exhibited it has always been the last to show signs of wilting.

AWARDS

Silver Medal of the Society of American Florists, Boston, 1906; the Craig Cup for Best Seedling, Philadelphia, 1906; the Lawson Bronze Medal, Washington, 1908; the Horticultural Society of N. Y. Silver Medal, Sweepstake Prize for Best 100 Blooms, New York, 1909; the Horticultural Society of N. Y. Diploma for Best New Variety, New York, 1909.

Rooted Cuttings, ready Jan. 15, 1910. Dec. and first part of Jan. cuttings all sold. $2.00 per 12; $12.00 per 100; $100.00 per 1000; $95.00 per 1000 in lots of 2500. 25 at the 100 rate. 250 at the 1000 rate.

Alma Ward

This beautiful Carnation is pure white, except during dark weather, when it shows delicate splashings of pink similar to the Cattleya, increasing its popularity.

ALMA WARD is the largest, most fragrant Carnation ever grown, producing perfect flowers 3½" to 4½" in diameter, on strong, erect stems, 36" to 42" in length.

This most remarkable variety takes the same place among Carnations as the American Beauty Rose does among Roses, and has, during the past four years, been awarded numerous prizes, including the following:

The Lawson Silver Medal, Toronto, 1907 (no gold medal having been awarded); the Lawson Gold Medal, Washington, 1908; Silver Medal of the Society of American Florists, Washington, 1908.

Rooted Cuttings, ready Feb. 1, 1010. Jan. cuttings all sold. $3.00 per 12; $5.00 per 25; $9.00 per 50; $15.00 per 100; $35.00 per 250; $65.00 per 500; $120.00 per 1000.

INVITATION We extend a cordial invitation to all those interested to visit our establishment, where they will have an opportunity to see these varieties growing and to compare their good points with other standard varieties grown under the same conditions.

COTTAGE GARDENS CO. Inc. QUEENS (L. I.), N. Y.

Please mention the Exchange when writing.

The Week's Work

BY

FRITZ BAHR

Carnations

Selecting Cuttings for the Propagating Bench

There is a quantity of good material now on the plants fit for cuttings. Every flowering stem has a number of shoots along the base, and any of them which are 3 inches in length will do. Whenever there is plenty of stock don't use cuttings in a variety of lengths; pick them out so as to get them as near one size as possible. If uneven when inserted into the propagating bench you can be almost sure they will remain so until they go to the field. When taking cuttings, use the greatest care in selecting them; you want a vigorous one to start with, one healthy and full of life; a sickly one will never develop into a healthy plant afterward. Cuttings from plants which are not in a thriving condition should never be used for propagating. If short on a certain variety, and you are anxious to grow extensively from this particular one for another season, buy clean, healthy rooted cuttings, rather than use cuttings from sickly stock or make use of every little side growth for propagating in order to get a certain number into the sand. There isn't any operation in our business more simple than that of propagating Carnations; if the right material is at hand a knife is of but little use, especially at this time of the year; but what is necessary is good healthy stock, clean sand and bench, and a healthy atmosphere in the house the cuttings are expected to root in.

Shasta Daisies

Plants Grown from Seed Sown Now

This is a good time to sow out some Shasta Daisy seed, by so doing splendid salable plants in 4-inch pots can be had by next May, and they will bloom this year. Such as are not sold for your customers' old fashioned flower borders or perennial beds may be planted out on your own grounds. With us, the Shasta Daisies don't do as well the third year, and after, as in the first and second. Even when divided we don't get the results as we do with the plants grown from seed, and while the proper time to sow the seed is during May and June, outofdoors, in order to get large enough field grown plants by the following Spring, nice stock can be had if sown out now indoors. The Shasta Daisies are among the finest perennials for cut-flower purposes. Anyone conducting a retail place knows of what value they are during the Summer months, and more of them should be made use of. There isn't a retail grower in the country who can't sell numbers of them in pots for planting out in Spring. Sow out thinly. It doesn't hurt to put two or three of the seedlings together in 2-inch pots. Keep the plants in a temperature of not more than 48° at night; a Carnation house is almost too warm a place for them. During January and February there is danger of the plants damping off if kept too warm. Avoid, also, using a too heavily manured soil; this, or sour soil will also cause damping off. I might mention that among the numerous sorts of Shasta Daisies now offered the variety Alaska will be found a good one for the florist.

Cannas

Examine the Stock Under the Benches

I noticed the other day that some of the Cannas under the benches are making quite a growth. This, if allowed to continue, will weaken the plants. We find that on account of the unusually warm weather we have had this Fall all the plants which had been brought in, with balls of soil, after the first frost had spoiled their foliage, have made considerably more growth than those which had but little soil clinging to their roots and were brought in later, which of course is natural. However, all such as are growing should be gone over. Some of the clumps, even when standing on boards, might be sending roots down into the soil between the boards, through the cracks. This, in a Carnation house temperature, is bound to start a growth. Lift them and reset. Plants exposed to heavy drip from above should be removed to a drier spot. Cut off all long shoots; if there are any of from 3 to 6 inches in length they are not likely to do any harm for awhile, and in another month from now they may be removed carefully and potted up, or put in flats, especially if they consist of some of the newer varieties—it pays to save them. It might also be well to examine the plants which are not making a growth; there is as much danger of the eyes shrivelling up for the want of moisture as there is from rotting due to too much.

Primula Obconica

Prepare a Stock of Plants for Easter

There is plenty of time yet to order, if you should be short, some nice strong 2½ inch stock of P. obconica. If such can be had and the plants are potted up into 4's in good soil, you will get splendid stock for Easter, and that is really the time of the year when they are at their best, and sell. Made up pans containing five to seven 4-in. pot plants in full bloom make a great showing during March and April; in fact, I hardly know another plant which blooms as freely during the Winter months as P. obconica does. Give the plants a little more heat than you would the Chinese Primulas, well manured soil and plenty of water. January isn't any too early to sow out some seed for next Winter's supply. This, of course, will produce plants for 5 and 6-inch pots by next December, but they come in handy then, especially for the retail grower; quite often, we are in want of flowers for design work, and what is of more or greater value than these Primulas. If you have a few plants on a side bench you will always have flowers to cut, and as long as we have set funeral designs to make up the obconicas will be of as great value as a Rose or Carnation for our work.

Poinsettias

Care of Stock Plants After Xmas

Poinsettias have been one of the best sellers we had for Xmas; in fact, with us, the demand for them has been unusually heavy. It seems that in spite of all the artificial flowers one sees displayed the real article is being more and more appreciated by the flower lovers. There certainly seems to be a steady increase in the demand for them every Xmas, for the pot plants as well as for the cut ones. The plants which have been grown in pots make good material for stock; all that is necessary to do to them now is to give them a rest until next May. Plants which have been cut down should be laid on their sides under some bench where there is no danger of drip from the top. Don't pick out a Violet house, but, if possible, use the house the plants were grown in, they require warm quarters. If you have stock plants which were grown in benches, lift them with a good clump of soil, they will answer as well as the pot plants to propagate from next May. Another thing I might call attention to is to take a sufficient number when selecting the stock plants; while a great many cuttings may be had from a few plants, nothing is gained by figuring too closely.

Hen Manure on Carnations

"We would like to water our Carnations, which we are growing on the bench system with a liquid manure made from hen droppings. Will some one who has had experience in its use give in detail the proportion of manure and water and the frequency of use and the results?" VIRGINIA.

—Liquid fertilizer made from hen manure may be successfully used on Carnations, but care should be exercised not to make the solution too strong. Poultry manures contain a fair percentage of nitrogen, phosphoric acid and potash, which elements are especially valuable in the growing of all flowering plants. These fertilizing elements are readily available in poultry manures. One peck of manure to about 50 gallons of water is about the right proportion. It should be allowed to stand for about one week at which time the manure will have fermented thoroughly and be ready for use.

At this season of the year it would be advisable to use this liquid feed alternately with clear water. Later on, when the sun is higher, and consequently the root action more vigorous, it may be used more often.

The fertilizing properties of hen manure are such as are necessary for the successful growing of flowering crops and, if this manure is used carefully, the result should be a healthy and vigorous growth. It is not well to depend altogether on this liquid feed, however. When the real growing season arrives, say from Feb. 15 on, it would be advisable to use a good mulch of cow manure, well rotted, and mixed with about one-third soil. This will keep the beds from drying out too quickly and will give the surface roots new material to work in.

DIANTHUS.

Carnation "Admiration"

THIS Carnation we offer to the trade as being one of the finest Carnations of any color that we know of up to date. Being a beautiful shade of pink, somewhat lighter than Winona, having that beautiful satin finish, always showing up well either in natural or artificial light. Plants benched in August are now coming into full crop, carrying from 10 to 20 buds. We have been cutting since September 10. As a money maker you will find no equal. The size of the flower is 3 to 3½ inches, excellent form, well built up in the center, with the petals so arranged as to make it stand the general requirements of a good fancy commercial variety. A grand keeper and shipper.

The habit is ideal, upright, with no surplus grass and every shoot going into flower. Its freedom and earliness make it nearly the ideal Carnation. The calyx is very tough and seldom bursts. Can be handled with great success either from the field or grown inside all Summer. No one has to be an expert to handle this variety. It scored 86 points at the American Carnation Society meeting at Indianapolis, January 27 to 28, 1909.

Price, $12.00 per 100; $100.00 per 1000. 250 at 1000 rate.

Send for catalogue of all other new and standard varieties of Carnations. We are always pleased to have visitors come and inspect our stock and varieties.

Rose, White Killarney (Waban variety), 2¼-inch pots, own roots, $8.00 per 100, $75.00 per 1000.

CHAS. KNOPF FLORAL CO., RICHMOND, IND.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter.

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The address label indicates the date when subscription expires and is our only receipt therefor.

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Telegrams.—Telegrams received in this office up to 8 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p. m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

A Happy and Prosperous New Year

This is our greeting to friends, subscribers and advertisers. Not a cold, formal expression, but backed by our heartiest well wishes. We would like to shake hands with every man who reads the paper (his wife, sweetheart or sister, too) but since that privilege is impossible we ask that each and all who read this greeting will treat it as genuine to the core.

Index to the Florists' Exchange, Vol. XXVIII

This index, covering the period from first issue in July to last in December, 1909, will be shortly ready for distribution. Subscribers desiring a copy of this index can obtain same by notifying us by post card; copies will be mailed to those who have already previously advised us to that effect.

The Florists' Exchange Design Book

A new edition of the Design Book is now in preparation and, it is expected, will be issued about January 20. It will be found a decided improvement on the earlier editions, has been completely remodelled and now contains 80 pages, covering a multiplicity of designs. It will be freely admitted the most valuable compendium of its character ever offered to the trade, as well as the cheapest. It is sold only in connection with a subscription for this paper; The Florists' Exchange two years and one copy of the Design Book, new or renewal subscription, for $2.50.

To Our Readers

We beg to remind our friends and subscribers that our constant endeavor is to record in The Florists' Exchange all matters of trade interest, and we shall be much obliged if they will co-operate with us in this aim by giving us early intimation of all changes in firms, deaths, legal cases affecting the trade, local matters likely to prove interesting to others, also information as to crops and novelties in flowers, seed and nursery subjects.

Photographs that are clean-cut, sharp and illustrate subjects of general trade interest (and these are innumerable) are always heartily welcomed.

If newspapers are sent, will our correspondents kindly mark the paragraphs to which they wish to draw our attention; and if cuttings from same, indicate the periodical from which derived.

We always welcome really reliable cultural notes, if new or concerning novelties likely to prove valuable from a commercial point of view, and shall be pleased to pay for same, if desired; it will, however, be readily understood that ordinary cultural details respecting commonplace subjects are out of place in a newspaper for experts.

Our own knowledge and experience are always at the service of our subscribers, either through our columns or privately, and we will make every endeavor to answer all leading and important questions through a reliable authority.

We do not allow our advertising columns to dominate or influence our editorial remarks.

Review of Nineteen Hundred and Nine

To the satisfaction of every one in the trade, the year 1909 was ushered in with little, if anything, on the trade horizon of a disturbing character, and throughout the year nothing occurred to in any way block trade progress, unless we except the long continued drought of Summer. While trade happenings of particular interest were notably absent, still there is plenty of evidence to show that all branches of the business worked in general accord for the advancement of floriculture in all its branches. Probably the principal subject of concern was the settlement of the tariff, but, thanks to the zeal with which the leading trade organizations took up the different phases in the Payne bill applying to horticultural interests, the final passage of that measure ensured a tariff which is proving entirely satisfactory to seedsmen, nurserymen and florists.

Hard Times Passed

The results of the panic which existed toward the close of 1907, and which to a considerable extent affected trade in 1908, were no longer retarding business at the opening of 1909 and reports indicate that the year was a fairly prosperous one. The various exhibitions held during the Summer and Fall showed, most of them, improvements over those of previous years, and the number of "first annuals" was most gratifying, betokening a desire to increase the influence exercised by these shows. The public, through the attendance noted at the exhibitions, evidently is beginning to respond to the educative influence which they exert.

S. A. F. and O. H. Annual Meeting

The silver jubilee convention of the S. A. F. & O. H. was held at Cincinnati in June. It was the 25th annual meeting, the first having also been held in Cincinnati; consequently the proceedings were largely of a reminiscent character. Recommendations in the president's address relative to the creation of special sections of the Association; that the election of directors be made by the convention and the appointments of secretary and treasurer by the directors; that application be made to the Secretary of Agriculture for data and information from foreign countries in reference to the culture of Palms, Azaleas and Bulbs in those countries with a view to developing kindred industries in the United States; and that an effort be made to secure appropriations for florists' departments in agricultural experiment stations, were all concurred in. On the first named recommendation action was taken in November, in Chicago, when a well attended meeting of retailers from different sections of the country was held with the object of forming a retailers' section of the Society; the possibilities and usefulness of such a section were fully discussed, and a committee was appointed to consider the matter and report at a meeting of the executive board to be held next March in Rochester. The convention also passed a resolution endorsing the provisions of House Bill Number 10.762 providing for the establishment of a parcel post in the United States. The holding of a second national flower show was discussed fully upon a report presented by the committee in charge of the project, and it was arranged to hold such a show in Boston during the Spring of 1911. F. R. Pierson of Tarrytown, N. Y., was elected president for the year 1910. The trade exhibition held in connection with the meeting was extensive in its scope and remarkably successful from every point of view. The next place of meeting will be Rochester, N. Y.

Canadian Horticultural Association

This Association held its annual meeting in Toronto in November in connection with the show of the Ontario Horticultural Society. Some valuable papers were presented and discussed, principal among which was one bearing on the transportation of cut flowers in the Dominion and the lack of proper facilities furnished by the transportation companies. Representatives of the Canadian express companies were present, and action toward remedying the deficiencies seemed a likely result. H. E. Philpott of Winnipeg was elected president for the forthcoming year, and W. C. Hall of Montreal secretary, and under the guidance of these gentlemen there would seem to be much good to result from the organization.

American Association of Nurserymen

The annual meeting of this Association was held at Rochester, June 9-11. The tariff committee reported much work done at Washington with the result that a list of rates had been practically agreed upon. The legislative committee recommended that efforts be made to obtain the enactment of a Federal law providing for the inspection of imported nursery stock, and the committee was empowered to take action to that end. Several valuable papers were read and discussed, and the matters of business taken up showed much enthusiasm along the line of protection of the interests of the nursery trade. An excellent trade exhibition was a feature of the meeting. F. H. Stannard of Ottawa, Kans., was elected president for the forthcoming year, and St. Louis is to be the next place of meeting.

American Rose Society

This Society held a most successful convention at Buffalo in March, and, in connection with it, an exhibition which, for quality of exhibits, was considered to be the best ever held by the organization. It was notable for the first public appearance of the new Roses White Killarney and My Maryland, which are already very prominent in our cut flower markets. The Society's silver medal was awarded to the Waban Rose Conservatories, Natick, Mass., for White Killarney, the variety scoring 87 points. The different sessions of the convention were well attended and the affairs of the Society were shown to be in excellent condition. August Poehlmann of Chicago was re-elected president for the year to follow, and Benjamin Hammond of Fishkill, N. Y., was re-elected secretary. The Buffalo Florists' Club was conspicuous at the convention, and the efforts of its members in the promotion of the success of the meeting, and in the entertainment of the visitors, were most laudable.

American Carnation Society

This Society held its annual meeting and exhibition at Indianapolis in January. The exhibition was a remarkable one from many points of view and was strongly representative of the advance made in the culture of the Carnation. While the exhibition hall would ordinarily be considered a large one, it was really inadequate for the accommodation of the many exhibits staged. The number of promising seedlings exhibited was very large, and several of them found places in the ranks of the varieties presented for dissemination before the close of the year. The Society's gold medal was won by Albert Roper, Tewksbury, Mass., with Bay State, a beautiful variegated variety. The silver medal was awarded to Dailledouze Bros., Brooklyn, N. Y., for a white seedling of remarkable size, known as No. 404. The bronze medal was won by the scarlet variety, O. P. Bassett, originated by Bassett & Washburn of Chicago. Certificates of merit were awarded for the varieties Shasta (Baur & Smith); J. Whitcomb Riley (Bertermann Bros. Co.); Sangamo (A. C. Brown); No. 108, Cerise Pink (N. Zweifel); Sport of Winsor (F. R. Pierson Co.); No. 60, Crimson (F. R. Pierson Co.); Superba (A. C. Brown); No. 30, White (F. R. Pierson Co.).

New varieties of Carnations registered during the year were: Mrs. Pfeuffer (John S. Pfeuffer); Washington (Henry Eichholz); Alvina (Henry Eichholz); Arapahoe Glacier (S. Knudson); Gov. Deneen (A. C. Brown); James Whitcomb Riley (Bertermann Bros. Co.); Olean (Danna R. Herron); Badger State (Nic. Zweifel); Bright Spot (Nic. Zweifel); Kathleen B. W. (F. Schramm); Shasta (Baur & Smith); Sangamo (A. C. Brown); Superba (A. C. Brown); Vincent's Pink (Grimm & Gorley); Scarlet Glow (F. Dorner & Sons Co.); Admiration (Chas. Knopf Floral Co.); Miami Queen (Miami Floral Co.); Black Chief (Stuart Low & Co.); Conquest (Chicago Carnation Co.).

Albert M. Herr of Lancaster was elected president, and the next meeting of the Society is to be held in Pittsburg, Pa., Jan. 26, 1910.

Chrysanthemum Society of America

This Society held its annual meeting in New York on Nov. 10. Elmer D. Smith of Adrian, Mich., was re-elected president. The reports of the officers showed considerable progress in the work of the organization and an increase in the popularity of the flower it represents. A grand exhibition was held in connection with the meeting, the quality of the flowers being considered higher than at any previous meeting. It was to be regretted that the exhibition quarters at the American Institute were inadequate for the proper staging of the entries, but assurance was given that any future exhibitions held in New York would be accommodated to better advantage. Many new sorts were certificated by the Society, among the named varieties being: Anoka (Elmer D. Smith & Co.); Oroba (Elmer D. Smith & Co); Donatello (Elmer D. Smith & Co.); Mrs. W. Arnold (C. H. Totty); Mrs. A. R. Peacock (C. H. Totty); Mrs. W. Wincott (C. H. Totty); Constellation (James Livingstone).

American Peony Society

This Society held its annual meeting at Cottage Gardens, Queens, L. I., in June. Through the unavoidable absence of President C. W. Ward, the meeting was presided over by Prof. John Craig of Ithaca, N. Y. Reports showed an immense amount of work consummated in the direction of nomenclature. In the trial grounds at Ithaca some 2769 varieties of Peonies had been planted in an effort to make a determinate report. As a further assistance in this direction, the meeting appointed a committee to visit the trial grounds during the blooming season and assist in the nomenclature work. The secretary's report showed a satisfactory state of the affairs of the organization and an increase in the membership. B. H. Farr of Reading, Pa., was elected president, and C. W. Ward was made honorary president as a recognition of services rendered the Society. The next meeting will be held in Boston.

National Sweet Pea Society of America

A new society, formed in the interests of a flower which has made enormous strides in popularity in recent years, was the National Sweet Pea Society of America, promoted by Harry A. Bunyard of New York and organized at a meeting, held in July, at the American Museum of Natural History in New York. An exhibition of some magnitude was a feature of the meeting. Harry Turner of Port Washington, L. I., N. Y., was elected president, and Mr. Bunyard secretary. Preliminary work looking to the proper establishment of the organization was satisfactorily accomplished, and plans were laid looking to the procuration of trial grounds for the purpose of settling nomenclature. A committee for the latter purpose was appointed, and later in the season effected arrangements whereby trial grounds were to be provided at Ithaca under the oversight of the experiment station at the College of Agriculture of Cornell University, which station will cooperate with the Society in making tests. The infant Society started under very favorable conditions and will doubtless prove of great service to the trade.

New England Dahlia Society

The New England Dahlia Society met in Boston in October. Reports of the different officers showed advancement made in the objects of the organization and an increased interest in the Dahlia. It was shown that the membership of the Society exceeded the four hundred mark, and its affairs were in a prosperous and satisfactory condition. An excellent exhibition was held in connection with the meeting.

American Seed Trade Association

The annual convention of this Association was held at Niagara Falls in June. State legislation governing the sale of pure seeds was an all important topic for discussion, and President Woodruff's adress reviewed the situation in detail. His recommendation that a committee of five, to act with counsel, to be retained annually, he appointed to acquire prompt knowledge of bills affecting seed interests introduced in Congress or State legislatures, and to oppose unfair or advocate wise legislation, was adopted. A recommendation of the committee on seed legislation that a committee of three be appointed to confer with a similar committee from the National Association of State Seed Analysts to agree, if possible, on the draft of a uniform State seed law to take the place of the many objectionable laws in existence, was concurred in; as also was a recommendation by President Woodruff that in future statutory enactments separate provisions be inserted governing the sale of vegetable and flower seeds from those covering the sale of grass, clover and field seeds. A committee was appointed to urge upon the Secretary of Agriculture of the United States and the Agricultural Committee of the Senate and House, that such congressional legislation be effected as would establish a national irrigation station near Washington, D. C., where pumps, irrigating machinery and all appliances could be assembled in order to show working processes as adapted to Eastern conditions. Throughout the convention considerable enthusiasm was manifested in the proceedings. J. C. Robinson of Waterloo, Neb., was elected president for the ensuing year.

American Association of Railroad Gardeners

This Association held a very enthusiastic meeting in August, at Philadelphia. About 45 delegates were in attendance and some excellent papers on various subjects connected with railroad gardening were presented and discussed. The Association is doing much good in its line of work, and the extension of floriculture on railroad systems is being ably advocated. Geo. B. Moulder, chief gardener for the Illinois Central Railroad, was elected president, and J. S. Butterfield of the Missouri-Pacific system, secretary-treasurer.

The Florists' Hail Association

The good offices of the Florists' Hail Association were greatly appreciated during the year, the losses from hailstorms being remarkably heavy. From Nov. 23, 1908, to July 4, 1909, the Association paid out in losses $26,657. The financial condition of the organization, as reported at the annual meeting, held Aug. 19, in Cincinnati, was excellent, with a membership of 1605. John G. Esler continues to be secretary.

New Organizations

Besides the Sweet Pea organization already mentioned as organized in New York, there was formed, at the convention of the American Seed Trade Association, a new association to be known as the Wholesale Grass Seed Dealers' Association, with Albert McCullough president.

Another new association formed last Spring was the Employers' Association of Landscape Foresters and Commercial Entomologists.

New Plants

Many new plants made an appearance during the year. The following were registered by the S. A. F. & O. H.:

Adiantum Roedderi (Alfred Roedder); Begonia Pres. Taft (J. A. Peterson); Berberis Thunbergii, var. Silver Beauty (M. J. Van Leeuwen); Cannas, Halley's Comet, Mrs. Alfred F. Conard and Mrs. Carl Kelsey (Conard & Jones Co.); Canna Multiflora (Vaughan's Seed Store); Cannas, Wawa, Mont. Blanc Improved (Conard & Jones Co.); Cattleyas Oakland and Eureka, Laelia-Cattleya Mageuta (Chas. G. Roebling); Carnation Edward (W. H. Shumway); Chrysanthemum Dr. Frederick A. Cook (Cockburn & Sons); Clematis paniculata rubra (Jackson & Perkins Co.); Geranium Red Wing (F. H. De Witt & Co.); Hydrangea cinerea sterilis (E. Y. Teas); Nephrolepis Galvestoni and N. Pruessneri (J. D. Preussner); Rose Chas. Dingee (Dingee & Conard Co.)—registration protested and referred to committee of A. R. S.; Rose Climbing Mosella (Conard & Jones Co.); Rose Climbing Killarney (Alex. Montgomery); Roses Priscilla and Abundance (Peter Henderson & Co.).

The Death Roll

The grim reaper was responsible for the removal of many prominent men in the trade, including some well known pioneers. As our space will not permit the presentation of a complete list, we mention the following as among the more prominent: Charles L. Allen, Peter Barr, Peter Bauscher, Francis Calvert, Edward Dale, Herman Dreyer, John Wilson Dunlop, W. H. Gullett, Wm. Hagemann, E. V. Hallock, Herbert Heller, Wm. K. Harris, Bernhard Hasselbring, John R. Hellenthal, Dr. F. M. Hexamer, Carl Jurgens, W. C. Krick, H. F. A. Lange, J. H. Menard, Carl Mulder, L. M. Noe, Aldrich J. Pennock, Carew C. Sanders, John Scott, J. H. Small, E. Sutermeister, John Thorpe, Thomas C. Thurlow, Thomas M. Waters.

New Hardy Rose Johannisfeuer (St. John's Fire)

This cross of Princess de Béarn and Jaune dicolore has been very happily named St. John's Fire, for it has an unusual and peculiar brilliancy of color which is remarkable even among types of the Jack Rose; moreover, the bright fiery red petals are tinged with a golden shimmer such as is not found in any other variety of Rose. The flower is of a handsome cup shape and, being well filled, it will open freely under any sky. It has proved very hardy, plants under observation having successfully come through the rigorous German Winter of last season, in open beds without any protection whatever. The foliage is luxuriant and healthy. As the long, stout branches are not over thorny, St. John's Fire will prove excellent for a cut flower. It is also exceedingly effective when massed in large or small groups. This novelty was originated by the well-known rosarian, Robt. Tuerke of Meissen, Germany.—*Der Handels-Gaertner.*

Commission Technique de l'Horticulture

The Gardeners' Chronicle (Eng.) of Dec. 18, in its editorial columns, sets forth in some detail the program of the work to be undertaken by the Technical Commission of Horticulture, an important body just established by the French Minister of Agriculture, M. Ruan. The marked development in French horticulture during the past twenty years may be gauged by the statement in the report of the official decree establishing the Committee constituting this Technical Commission, that the total value of French horticultural produce was 295,904,000 francs in 1892, whereas it is now 400 million francs. The Minister states, however, that French horticulture cannot rest content with its position, and efforts should be extended in the direction of improving the methods of production, introducing co-operation among the producers and venders, improving the methods and speed of transport and revising the charges for the carriage of horticultural goods. The establishment of an agricultural parcel post for produce sent in parcels up to 40 kilog. (90 lbs.) in weight will be among the first practical tasks of the Committee.

The constitution of the Committee augurs well for the success of its work. Besides some 16 members who are appointed by virtue of their several offices—the Director-General of Customs, the Director of Agriculture, the President of the National Society of Horticulture, the Director of the School of Horticulture at Versailles, the chief of the Agricultural Enquiry Bureau, and representatives of the chief railway companies—there are also 30 members nominated by the Minister. In making his first nominations, M. Ruan has taken care that all the chief horticultural interests are represented. The list includes seedsmen, florists, nurserymen, market-gardeners, fruit growers, salesmen and head gardeners chosen from the various regions of the country. Among the names of members of the Committee we note those of Messrs. Reneé Adnet, of Antibes; Antoine Rivoire, of Lyons; Victor Lemoine, of Nancy; Albert Truffaut, of Versailles; Amédée Lecomte, of Louvecienne; Philippe de Vilmorin, of Paris; and Jules Vacherot, head gardener to the town of Paris.

"They 'order these things better in France,' but there is no reason why we should not imitate where we cannot originate," says the Gardeners' Chronicle.

In its first issue in January, 1908, The Florists' Exchange contained 28 pages; first issue in January, 1909, 32 pages; this year, 40 pages. This is a showing of steady, healthy growth of which the publishers feel reasonably proud.

Changes in the American Nursery Company

Mr. Fred'k W. Kelsey has sold his interest in the above named company which was incorporated in January, 1908, with that gentleman as president; Theodore Foulk of the Bloodgood Nurseries, Flushing, N. Y., as vice-president, and William Flemer, of the F. and F. Nurseries at Springfield, N. J., as vice-president and manager.

Mr. Kelsey states that the business established by him in 1875, with New York offices at 150 Broadway, will hereafter be owned and conducted as the F. W. Kelsey Nursery Co., a New York corporation with ample resources and responsibility.

The American Nursery Co., of which, under the recent re-organization, Mr. Theo. Foulk, of the Bloodgood Nurseries, Flushing, N. Y., now becomes president, and Mr. Wm. Flemer, of the F. & F. Nurseries, Springfield, N. J., vice-president and treasurer, will continue the business of that company in the Singer Building, 149 Broadway, N. Y. City. As both of the gentlemen principally interested are managers of extensive nurseries they will be enabled to cater very successfully to their patrons.

Tomatoes as Insecticide or Preventive

French horticulturists are recognizing the value of the Tomato as an insecticide, as appears from several instances cited by the Revue Horticole. M. Boucher, the well-known nurseryman of Paris, prepared a decoction of the leaves, with which he sprayed Peach trees infested by green fly, with the result that the pests were destroyed. The solution, therefore, acts much in the same way as a nicotine solution would, with the advantage of being considerably cheaper. Another correspondent of the Revue, M. Berlou of Saint Quentin, writes to confirm the observations of M. Boucher, and describes his own method as follows: "For several years I have planted at the foot of each of my Peach trees, of which I have about twenty, a Tomato plant, which is never pinched, and which twines up into the tree. I never have green fly. I also set out some Tomatos around beds planted with beans, with the same good result."

NEW POMPON DAHLIA PUPPENFEE (Doll Fairy).—While the large flowered Dahlias are, on the whole, the kind most in demand, yet there are many lovers of this flower who prefer the more graceful, small flowered newer sorts of the Pompon Dahlias. These will be delighted with the novelty, Doll Fairy, which is not quite 2 in. in diameter, and often less, forming therefore a class by itself. The flowers, which are pure white in color, resemble in shape large Bellis. The plant makes a height of almost six feet, is compact in habit, and an extraordinarily free bloomer. It has a great future as a plant for massing, especially when the more popular colors shall have been developed. It will be introduced in 1910 by the firm of Nonne & Hoepker, Ahrensburg, Germany.—*Moeller's.*

Obituary

George W. Ostertag

Geo. W. Ostertag, superintendent of Public Parks, St. Louis, Mo., died last week, Dec. 20, after a long illness, of dropsy. Mr. Ostertag was forty years old and leaves his widowed mother, a wife and four children, also two brothers, Henry and Fred, and a sister Mary, all in the florist business. The funeral took place on Dec. 23 and was attended by a large number of his friends in the trade. The pallbearers were employees of the Park Department. ST. PATRICK.

George Serviss

George H. Serviss, florist, Batavia, Ill., died on December 23 at his home, 75 Harrison st., following an illness of many months. The deceased had lived in Batavia for the past 25 years; he leaves a widow and two children.

Miss Minnie Greensmith

Miss Minnie Greensmith, daughter of Herbert Greensmith, Chief Nurseryman of the City Parks at Cincinnati, O., died at her residence at Price's Hill, that city, on Dec. 18, and was interred in Spring Grove Cemetery Dec. 21. The young lady had a wide circle of friends, was of a very amiable disposition and talented. During the convention of the S. A. F. at Cincinnati last August Miss Greensmith had charge of The Florists' Exchange stand and was looking forward with much anticipation to again meeting the trade in Rochester in 1910.

English Horticultural Notes

Carnations The annual general meeting of the Perpetual-flowering Carnation Society was held on Dec. 8. The exhibition was held the same day, and another show has been arranged for next May (19th). The Society has passed through what is hoped are its initial stages of trial and difficulty and now has a bank balance of $140 with which to proceed. But it was only the self-sacrifice of the responsible officers that saved the Society from collapse in 1908. However, all's well that ends well, and the amateur cultivators are beginning to know of the existence of the Society and are joining. The membership stands at 230, which is 64 more than last year. A "Year-Book" will be published, and a feature of it will be the result of the trials of Perpetual-flowering Carnations as out-door Summer bedding plants. Of course, our "Perpetual-flowerers" are just the Carnations you have, and the reason why such an awkward title had to be chosen for the Society was that the existing National Carnation Society, whose flower is the hardy border type, hardly known on your side, would have nothing to do with the "American" forms. Thus the new society sprang up.

The recent show was typical of its predecessors and there was no novelty certificated. New varieties continue to be raised, and some of your wideawake growers ought certainly to keep an eye upon Stuart Low & Co., and upon Mr. Burnett of Guernsey. The latter has some wonderfully fine and varied Carnations in yellows, fancies, and other shades. Again, for the tenth or twelfth time, I would like to mention his giant-flowered, sweet scented Marmion (scarlet with white edges), which is a strong grower and grand, as shown from Guernsey. He also had a firm-flowered cross bred from Enchantress and Mrs. Burnett, the latter the finest salmon variety we have. These Winter-flowering or perpetual Carnations are extending rapidly in every country garden throughout England, house after house being devoted to them.

The Sweet Pea Society Probably "European Seeds" has told you all about our recent annual meeting and conference. He is always first! Good luck to him. But there can be no two opinions as to the success of the conference, and I commend the idea to the notice of our mutual friend, Mr. Harry Bunyard. This was the order of the proceedings: Annual general meeting at 3 p.m.; dinner, 5.30 to 7 p.m.; conference, 7 to 9.15 p.m. Leading growers came from distant parts of the country, and at least one from Scotland. Of course, 400 miles is as nothing to an American, but we are not bred up to long distances as you are. Mr. Horace J. Wright, the former honorary secretary, now in business for himself, was chairman, and 70 were present. The papers were on "The Imperfect Seeding of Spencer Sweet Peas," by W. Cuthburton (Dobbie & Co.), and "Sweet Pea Names and Nomenclature," by W. J. Unwin. An abridged form of these papers is enclosed for publication at the editor's option. A good discussion resulted.

J. HARRISON DICK.

We append the abridged essays, both good papers and worthy of study.

The Imperfect Seeding of Waved Sweet Peas

For 200 years the career of the Sweet Pea ran its course unperturbed. We are now embarked on trying times—all our troubles date from the advent of Cole's Countess Spencer. In the early days we dealt with certainties. In these days we deal with uncertainties. My firm's practice was to sow 4 oz. to 100 ft., and we knew what the produce would be in five seasons out of six. But all that is changed. Last season was altogether an abnormal one, and I am not therefore disposed to argue from the experience of it, but if we look at an average season I think you will agree with me if I put it that on an average the old type seeds were ten times better than the Spencer type. Having said that I have not said all, because a number of the finest Spencers are far below the average, and are nearer being twenty times worse seeders. Think of Etta Dyke and Dorothy Eckford—Clara Curtis and Mrs. Collier or James Grieve—The King and King Edward VII.—Mrs. Chas. Foster and Lady Grisel Hamilton—Earl Spencer and Henry Eckford—Mrs. Hardcastle Sykes and Prima Donna!

The pollen escapes from the anthers at a very early stage, as all of us know who have tried artificial cross-fertilization. In the old type of Sweet Pea the pollen escaped and could not help coming immediately in contact with the stigmatic point, as they were all squeezed up together in constricted or clamped keels in old and Unwin types. In many of the Spencer or waved forms the stigma from the very earliest stage has grown out beyond the anthers. It is quite apparent, therefore, that the chances of fertilization are much reduced when this condition of things exists. The old type and the Unwin type cannot help being prolific. They are abundantly self-fertilized before they expand.

You can readily understand how this delicate process (the development of the generative cells) can be adversely influenced by cold wet weather, either in its preliminary or secondary stage, and especially in the case of Spencer flowers with their more open keels. Let me return to the position of the stigma as shown in the figures. It protrudes beyond the anthers. In some flowers it seems to do this right away from....the earliest bud stage. My theory regarding this is as follows:—We know that the anthers dehisce, that is, shed their pollen in the very early bud stage of the flower. Unless, therefore, the point of stigma, in pushing its way to the outside position just referred to, gets coated or partly coated with pollen, the flower runs an exceedingly poor chance of producing seed.

Some people argue that Sweet Peas are pollinated by wind borne or insect-borne pollen, and that accounts for the variations we get in so many stocks of Spencer Sweet Peas. I have never been able to subscribe to this theory. The plan we adopt at Mark's Tey is to grow the different varieties in lines of 100ft. long. There may be four lines of The Marquis, followed closely by four lines of Countess Spencer, then four lines of Helen Lewis, and so on. If the wind or insect theory of cross-pollination held good we should not get pure seed, but as a matter of fact we do. Then again, it is suggested that in America there must be insects, unknown in this country, at work there to give us the "fine variations" we so frequently get! I should like to have Mr. Burpee's or Mr. Morse's opinion on this point. Fifty years ago so extremely careful an observer as Charles Darwin wrote: "Whatever the cause may be, we may conclude, that in England the varieties of Sweet Peas never or very rarely intercross. But it does not follow from this that they would not be crossed by the aid of other and larger insects in their native country."

But before concluding, there is another condition of things which I must speak of—the liability of the pods (after they are formed) to rot off. Last season this was particularly noticeable. Close to the footstalk the pods became brown, as if attacked by a fungus. When this happened the pods were doomed. It was only a matter of a few days until they dropped off. This remark reminds me of something else. After the petals dropped on some varieties—notably on Earl Spencer and Edrom Beauty—the young pod appeared all right, but on the slightest touch it dropped off. I think the abnormally cold weather had much to do with this.

To sum up, I must put up as the first and foremost cause of imperfect seeding in Spencer varieties the open keel in conjunction with the protruding stigma, otherwise imperfect fertilization. Then the extreme sensitiveness of the type to adverse weather conditions. Its very shape, the large waved standard, makes it much more sensitive than the old type. How often have we noticed in bad weather the standard almost rotting and falling down and clasping the keel and pod! Sunshine supervening after such conditions made the standard adhere to the keel and pod as they had been glued round them, and they could only be removed by being pulled sharply. To all but the seedgrower this non-seeding is an advantage. It means a longer continued period of bloom, and this must enhance the value of the Sweet Pea as a decorative object. The consolation I would offer the seed grower is this. The choicest things in the world—the things most worth having—are the things most difficult to get. Nature seems to decide for us that the more perfect we make her productions from our point of view, the more difficulty we shall encounter in reproducing them. This law holds good right through the Floral World.

Sweet Pea Names and Naming

I do not propose to deal particularly with the naming of Sweet Peas, but rather to outline a scheme by which I believe growers may be more safeguarded in making their selections of distinct varieties. Our Society is already doing good work, but more must be done if we are to know, with more certainty, which new varieties are worth growing. The Society cannot prevent unfixed stocks being sent out, but it could debar unfixed new varieties from being staged in competitive classes at its shows. As a remedy, I suggest that all new varieties in future shall be sent to the trials, and only those that proved to be fixed shall be eligible for entry in any of the Society's competitive classes. If the Society is firm in this matter growers would soon know which varieties to grow, and who to look to for more reliable information than we have at present. I venture to suggest that a more detailed account be given by the Society of all fixed stocks, as to their type and color, and whether they are quite distinct, or how they compare with varieties already in commerce. Unless any of the unfixed stocks are of special merit they must not be mentioned. It seems useless to waste time over varieties that are badly mixed and of no particular merit. It will be readily seen that if the Society allows only fixed varieties to be staged in the competitive classes and publishes a fully detailed report of the trials from the Floral Committee, the growers will be safeguarded to a great extent, and I believe this work would eventually prove a real benefit to the trade.

I, of course, assume that the Society will deal with those unfixed varieties already in commerce. At the present time the list of too-much-alike varieties is of little help to anyone, but with the detailed report on fixed stocks it would enable us to know which varieties are identical, and what differences there may be between others.

There is a marked difference in the color of Sweet Peas growing in a row as compared with the same variety when bunched, and to arrive at a more accurate description of its colors I make a further suggestion namely, that a bunch of twelve sprays from every fixed stock (new and old) be brought from the trials to the

We present an illustration of one of the largest houses in the trade, on the establishment of Messrs. Thos. Rochford & Sons, Broxbourne, England, devoted to the culture of Grapes. It is one of many in this vast establishment and measures 450 feet long and 35 feet wide. The variety grown is Black Alicante; 10,800 bunches were cut from this house last season, total weight 8½ tons. The cutting usually commences in September continuing until Christmas. This variety and Gros Colman is chiefly grown, the average crop being about 100 tons per annum; the fruit is widely distributed in Europe and much of it is sent to America.—Courtesy A. Dimmock.

London Show and staged under numbers, in their different color sections, and judged by points for color, effect and size. After the judging, each bunch shall be named or numbered as sent to the trials. Should this proposal be adopted, I venture to say it would be the great attraction of the show, and a real benefit to hundreds of members who cannot visit the trials.

A New White Cypripedium

There was great excitement among the Orchid fanciers when Mr. Bolton, of Wilderspool, Warrington, placed before the Royal Horticultural Society a Cypripedium with all the elegance and charm of C. insigne Sanderæ, but instead of being primrose yellow the flowers were a glistening ivory white. How it originated does not appear to be known, except that Sanderæ was the mother parent; yet there were indications in the color and form of the leaves and in the shape of the labellum that C. bellatulum album was the father. Whatever its parentage, here was the dream of many an Orchid breeder realized. We were assured that the plant is a good doer, although it is perhaps too soon yet to give it a character for growing, seeing that the plant is only a youngster, now flowering for the first time. If only it is as easy to manage as its mother, C. insigne Sanderæ, is—and as every Orchid grower knows, this is the perfection of a Cypripedium—then in the white seedling from Warrington, which is to be known as C. Boltoni, we have indeed a champion Orchid. It is difficult to say what a hybrid Orchid is going to do. Some hybrids grow like weeds, ever so much better than their parents, but there are others that are stubborn and unsatisfactory. Therein lies the charm of Orchid breeding; one never knows what he will get until the flowers tell him. Sometimes, from the cream of parents, carefully and scientifically mated, the most worthless of mongrels are bred, and sometimes from a chance mating, as in the case of this white Cypripedium, a delightful seedling results. You never can tell, not even if all the knowledge of Mendel and his disciples is brought to bear on the mating; there is that glorious uncertainty which makes plant breeding as full of interest and surprises as cricket is. —*The Field, Eng.*

The Parcel Post Agitation

(Continuation of Mr. W. R. Shelmire's paper from page 984, issue of Dec. 25.)

There is much of misinformation concealed in the pamphlets we have read in opposition to the Parcel Post. For one thing, they fail to mention the one great industry that would be adversely affected by a cheapened Parcel Post—namely, the express companies—which omission is very significant. In all the attempted legislation to obtain a better Parcel Post, we find the pathway blocked by the lobby of the express companies. Every postmaster-general for years has recommended a liberal Parcel Post only to be thwarted and defeated by the insidious connivance of these rich corporations. In our opinion there is nothing that would lower express rates quicker or compel a better service than a well ordered and liberal Parcel Post.

Suppose it to be true, as the opponents of the measure say, that the express companies would carry all the near-by packages and leave the long and unprofitable hauls to the Post Office, is it not plain that, in order to get the trade, the express companies would have to reduce their rates or lose the business? We contend that this compelled reduction would be a vast saving to the country and worth all it might cost. But we do not believe the express companies would get all the short hauls or any large portion of them. We think the people, as a rule, would prefer to deal with the Post Office because it will be more convenient and less troublesome. We believe, with a cheap Parcel Post, the Government would get the great bulk of the business, short haul as well as long haul, and the express companies would improve their service and cheapen their rates.

We hear a great deal of the deficit of the Post Office. Supposing there is a real deficit, what difference does it make if the country as a whole is getting its money's worth, and if the Department is run economically and on business lines? It really depends on the point of view. For instance, if we look upon the Post Office in the same way as we would a private corporation, very likely we see nothing but ruin in the reckless way in which it is managed. But it is not a private corporation, and we must, therefore, judge it from the broad plane of public utility. From this point of view we are very sure that the United States Post Office is a mighty factor for the welfare of the country and in the fostering of all industry. It may be criticised, perhaps, in paying too much to the railroads for transportation; at least part of the deficit can be traced to that source. Probably the Department cannot help itself under present conditions. We would hardly expect the Government could get as low rates on carriage as the express companies when we consider that large blocks of stock of these profitable corporations are held by men high in the councils of the railroads. The Government has no such pull, of course, and has to pay all the traffic will bear.

We copy the following from the report of the Third Assistant Postmaster-General for the year 1908, the current year's report not being available: "While this deficit ($17,000,000 in round numbers) is the largest in the history of the Post Office Department, it was for the most part anticipated, due to increases in salaries to postal employees. These increases as shown by the report of the auditor, amounted to $9,891,321.92. But for these increases the deficit would have been $7,018,957.07. Had the usual percentages of increase in receipts been maintained, there would have been an increase of revenue over 1907 of $17,110,122.51. Under normal conditions and without the increases in salaries there would have been a surplus of $2,234,563.85 in the postal revenues for 1908."

Another source of deficit is in second class matter: papers and periodicals in bulk at one cent per pound. This service costs the Government $57,000,000 in uncompensated service; this amount being the cost of handling and transporting nearly 750 million pounds of second class matter over and above the direct revenue derived therefrom. But it is justly claimed that this second class matter is instrumental in originating a large amount of other classes of mail matter, particularly first-class, which pays a handsome profit.

Still another source of deficit is the franking privilege and matter carried for the various Government Departments. If this was paid for to a privately managed post office the Government would have to pay over $16,000,000 for the privilege, and for the same courtesy extended to the Congressmen and certain semi-governmental activities an additional sum of $4,000,000.

Then we have the Rural Routes which cost last year, $35,000,000. These routes now reach 18,000,000 of patrons. It is suggested that a rural parcels express be established to be confined entirely to rural routes, and in this extra service there would be no cost for railroad transportation; and the service, it is hoped, would become self-supporting. Whether it would or not, the country is committed to it and will not turn back. The service rendered to the farming community can not be measured in dollars and cents and, on the whole, it is a paying investment to the country at large; socially, politically, commercially and intellectually. But it pays even in dollars and cents, for persons who have made a study of the subject estimate that real estate values in rural districts have increased $750,000,000 since the establishment of the rural free delivery system.

It will be seen that, in several directions, we can easily account for the apparent deficit of the Post Office Department. In reality it has to its credit a large yearly surplus—in social and business benefits rendered. While we fully realize that it is very desirable to have the post office self-sustaining, we consider that the matter of a reported deficit is not necessarily to be condemned, and should not stand in the way of an improved Parcel Post. But the improvements should take place step by step and as fast as public sentiment demands them.

In conclusion, we would say to the small retailer that in our opinion he has little to fear from his big competitor, whether it be the great mail order house or the big department store. The retail trade of this city is so great in volume, we are quite sure there is enough for all—if the proper methods are taken to secure it. The retail trade of the country is so prodigious that it cannot be monopolized by any combination of capital. If we are to stop all improvements in transportation, or facilities in handling the mails, or reduction in express charges, or price of car fare—or if we are not to encourage any project because some one is going to get an advantage out of it, or some one is going to be hurt by it—then all progress will cease. There is nothing good that does not have its drawback. All things that are of advantage to the masses of the people are in every instance a disadvantage to a few. The very same arguments now presented against the Parcel Post have heretofore, in substance, been presented against every scheme proposed to help the masses of mankind.

Note.—In preparing this paper I am greatly indebted to the following gentlemen for valuable information: Mr. John Wanamaker, formerly Postmaster-General; Mr. Newton M. Brooks, formerly Superintendent of Foreign Mails; Mr. C. M. Summerfield, sec'y Merchants and Manufacturers' Association, Phila., Pa., but we in nowise use their names as an endorsement of the views expressed.

The French trade in flowers has grown from $57,000,000 to $77,000,000. The reason for it is stated in a consular report:

The extension of the Parcel Post privileges to the shipment of cut flowers is considered as one of the principal causes of this increase.

Now, if we could have any such parcel post in this country there would be an even greater increase in the business of mailing all classes of goods. How do you like to have your country go plodding on behind the procession in the dust of all Europe?—R. N. Y.

Editor The Florists' Exchange:

We wish to register our vote in favor of Parcel Post throughout the United States.

From our observation we have come to believe that Parcel Post would be even a greater blessing to the farmers and those living in the rural districts, than rural free delivery, and is really more important. Express rates on small packages are exorbitant and, in many cases, prohibitive. This applies not only to our line of goods but to many necessities required on the farm and in rural sections.

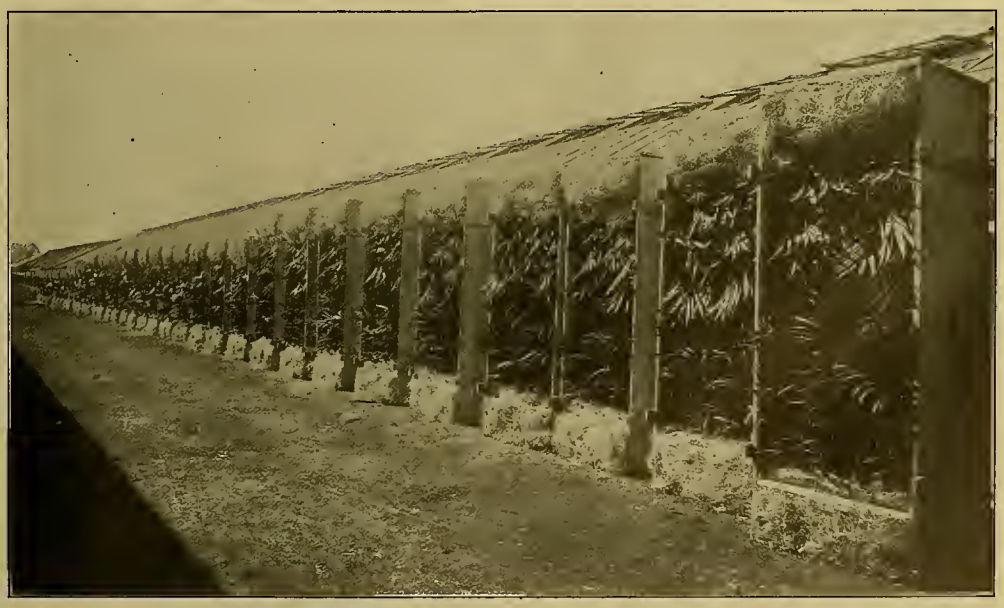
We sincerely trust that sufficient pressure can be brought to bear upon Congress and the Post Office Department, to establish Parcel Post in the United States.

THE GRIFFING BROTHERS, Nurserymen.

Jacksonville, Fla., Dec. 22, '09.

[We all realize the excessive charges of the express companies and, in this business particularly, expansion of trade is kept down for the very reason that a customer does not care to pay fifty cents expressage on a fifty-cent purchase.ED.]

BELLIS PERENNIS RANUNCULIFLORA ALBA TAUSENDSCHOEN (Thousand Beauty).—This is a white variety of Bellis recently put on the market by the firm of M. Herb of Naples, Italy. Like its red progenitor, it has a handsome, large very double flower, and is a free bloomer. Borne on long, erect stems, it may be used not only for pot culture and bedding, but is also especially suited for floral pieces.



Our illustration is that of a consignment of Palms packed and ready to be loaded on the train for shipment to America. Immense quantities are grown at the establishment of Messrs. Thos. Rochford & Sons, Broxbourne, the largest nursery of its kind in England, chiefly Kentias in all market sizes. Giant Roses in pots is a special feature, together with thousands of Orchids, Ferns and foliage plants which only constitute a portion of the great variety of plants grown under the glass covering about 45 acres.

The Advent of the Year 1910

Up to a certain age in life the opening of a new year discloses a multitude of men who have waited for that epoch in order to put into effect certain resolutions for self improvement which they inwardly felt they stood much in need of. No other day in the year would fit the case and if, unhappily, the resolutions did not work out right on that very day a lapse took place and the reformation was postponed to a year thence, and all things with that individual remained as before—if they did not get worse. Personally, we are inclined to the belief that when that certain age has been reached, the individual who has been struck by a sense that he is lacking in some way the degree of perfection he would attain to does not wait for a New Year day to come, but, adapting the mood as it seizes him, at once and there and then makes a new start in the direction desired.

All of which leads us to advise those of our readers who may unfortunately make a break in their self imposed vows in the first day or the first week of the New Year not to wait an entire twelvemonth before renewing the attempt but to courageously tackle the inward enemy and at once make a fresh start.

In addition to the New Year vows there are other thoughts which are apt to float to the surface on that day and which seem opportune enough to talk about, for instance:

Exercising Patience with an Awkward Employee—If the man shows a spark of promise in any part of his composition, give him another show.

The Slow Creditor—If you are satisfied the man is honest and wants to pay, give him another chance; don't down him forever through a judgment or an execution.

The Weather—It is not always going to be bad or unfavorable.

The Markets—Have their ups and downs. Watch them all the more carefully until you secure a better understanding of how to catch them on their up side.

The Contractor's Delay—He has broken his solemn promise over and again and is away behind on your work. If you have had the foresight to tie him up with a forfeiture clause not your's will be the worry; but if you haven't (as is just as likely the case) don't swear at him or call him names for that won't help matters. Jolly Him All You Can.

That Profit and Loss Account—If you had such a rush of work at the holidays you couldn't get that set of books started with the first of January, open them up the eighth of that month. In this case it is better to be late a week than a twelvemonth.

The Old Greenhouses—Good stock has been raised in very inferior structures as these go today. Better wait until there's enough money free and clear to pay half the cost of the new proposition than be worried for a length of time with unpaid bills and all that this business condition implies.

Have a Vegetable Garden—By all means plant a good generous vegetable garden; you have only one life to live, and you and your family do certainly deserve a few of the good things of this world as you travel along.

Make a Flower Garden for Your Wife—Never neglect this. You may have acres of flowers and plants to sell, and greenhouses full to overflowing for the same purpose—but they will not take the place or give your good wife one-thousandth part of the real pleasure "her own flower garden" will.

Buy Good Seeds—In seeds the best are the kind you want. Never mind the price, the reliable seedsman will take care of that, and you can rest assured he will not overcharge you. In these days of advancement in every line of work it is not at all a difficult matter to obtain the best.

The Dissatisfied Customer—Never allow yourself to have one; at least, don't let it be through your fault. To knowingly let a man get the best of you once or twice won't ruin you. Of course, this suggestion bars out the professional sharper.

The Man With a Grievance—We meet many of his kind in a year. It's a study in human nature and a source of amusement to deal gently with him. And, many times, he proves not half so bad as you first thought; it's just as often as not his point of view that clashed with yours.

The Help Problem—Not near as difficult as you thought if you put yourself, once in a while (mentally) in the position of the Help.

For Better Education—Study all you can. Visit all in your line all you can. Attend conventions whenever you can.—Read The Florists' Exchange always.

Want to Make Money—Sure thing. Honestly, of course. Then remember that talent and genius are good possessions, but can never displace the ability to "everlastingly keep at it." Add common sense to your striving and you will come out all right.

Discouraged Occasionally—The brightest and apparently the lightest hearted man you know suffers worse from this trouble than you do; don't let him shame you in bearing up under difficulties not of your own making.

Striking Back—Never lose your dignity when committing that act. Hit back in a genteel way whether you are using a pen or a poker.

Precaution—Forethought generally outwits afterthought. Thrash out thoroughly all the pros and cons before you commit yourself. Better lose an apparent opportunity than fall into a financial desert.

Hesitation—"He who hesitates is lost."—Old Saw. We don't quite agree with Old Saw. Better hesitate soberly than act recklessly.

Many more suggestions for the New Year might be offered but, as it is, we may have already offered a superabundancy.

Geranium Dr. Lincoln Cothran

Two New Geraniums

We present herewith a picture of Geranium Dr. Lincoln Cothran; description was given in our issue of Oct. 16, page 570.

Of seedling No. 8, the raiser says: "This is probably the biggest Geranium in the world. The single flowers are 2¾" to 3" in diameter, the trusses are big, and borne on long stems. The color is dark red, somewhat akin to Jacquerie. It is a cross between Meteor and Queen Olga. Here it flowers all the year around; I think it has a great future."

"Seedling No. 15 is a cross between Beaute Poitevine and Meteor; the flowers are about 2½" across; the trusses are immense; under favorable conditions there will be 60 flowers on one truss. In color it is copper salmon pink. The growth is dwarf and stout." The picture sent us shows seven trusses on a young plant. The originator of the above three new Geraniums is Richard Diener of Colma, Cal.

Geranium Seedling No. 8

The National Rose Society

The National Rose Society (Great Britain) has a membership of 3797; its cash on hand Nov. 30 was £436, 10s. 6d.; its reserve fund in English 2½ per cent. consols was valued at £750. It has paid out in cash prizes, medals, etc., during the past year £818 3s. 7d. Its Summer show cost the Society £422 3s. 2d., exclusive of prizes. Its income from membership was £1919 6s. 5d.

At the recent annual meeting the first Dean Hole Memorial Medal was awarded to Rev. J. H. Pemberton in recognition of his assistance to that Society and for his contribution to the literature of the Rose. The Dean Hole medal is no ordinary one, such as was presented for a seedling Rose on a championship; it was intended as the highest award in the Rose world.

Edward Mawley, the honorable secretary of the Society, in October last made a record by obtaining 200 new members inside of twenty-six days.

Nine hundred new members joined in 1909. The total number of affiliated societies is 55. During 1910 the following publications will be issued to its members: "The Rose Annual for 1910," and new and revised editions of "Hints on Planting Roses," and the "Enemies of the Rose."

New French Roses

Messrs. Barbier & Cie. of Orleans, are introducing several new Roses, which they describe as follows:

LOUIS BARBIER (Pernethiana), cross of Madame Bérard and Capucine bicolor. This is a very vigorous Rambler, putting forth branches from 3 ft. to 11 ft. long, entirely covered with flowers which appear as early as May. The flowers are semi-double, borne in sprays of from two to six, coppery red in color, turning to bright purple when fully opened; the exterior petals being a coppery yellow, darker at the base. This is a striking new color, as brilliant as that of Capucine bicolor. The leaves are thick and of a dark shining green. Although it also flowers during the Fall it cannot be considered absolutely as a Remontant. This novelty combines the great vigor of Madame Bérard with the shadings of Capucine bicolor, while its own color is wonderfully effective at a distance.

DESIRE BERGERA, cross of Wichuraiana and Bengale aurore.—This is a vigorous Rambler and free bloomer. The flowers are of medium size, very double, coming in sprays of from two to six, of a coppery rose pink, shading to light coppery red, a color that is new among the Ramblers. It is a very free bloomer.

JOSEPH LIGER, cross of Wichuraiana and Irene Watts.—A vigorous variety blooming very freely. The flowers are bunched in panicles of 20 to 30. The inner petals are of a delicate canary yellow edged with clear pink, the outer petals are cream white. The flowers are about 3 in. in diameter.

AVIATEUR BLERIOT, cross of Wichuraiana and Wm. Allen Richardson.—This is a vigorous Rambler, with dark green shining leaves. The flower is of medium size, full and of a saffron yellow color with golden yellow center, the most distinctly yellow of this series. The flowers are bunched in corymbs.

WHITE CECILE BRUNNER.—A sport of Cécile Brunner, having preserved all its good qualities. Pure white, saffron and chamois yellow flowers are found on the same plant.—*Revue Horticole.*

Messrs. Léon Chenault et fils of Orleans, are introducing a variety obtained by M. Henri Cayeux of Lisbon, which is described as follows: ETOILE DU PORTUGAL—cross of Rosa gigantea and Reine Marie Henriette. This is the first hybrid of Rosa gigantea. The thick foliage is bright green. The flower is large, shapely, with uniform petals of a fine salmon pink with yellowish base, a magnificent color new among the Ramblers. The bloom is perfect in form, and very lasting. This novelty has proved as hardy as most of the Teas and Ramblers. —*Revue Horticole.*

PRINCIPAL A. H. PIRIE.—This makes a shapely plant of goodly size. The flowers, borne on straight, stiff stems are very double, open freely and last a long time. The inner petals are of a cochineal pink, lighter on the under side; the outer petals are silvery pink. This is a fine, freely blooming variety.

The equally well-known rosarian, Pierre Guillot of Lyon-Montplaisir, announces the following novelties: CREME SIMON, Hybrid Tea; very vigorous, with erect branches, and ample dark green shining foliage. The flower is very large, full, and opens in Camellia shape; the color is cream white, with the center occasionally salmon tinged with carmine. It has a delicate perfume. Awarded a gold medal at Clermont-Ferrand.

Newport, R. I.

Christmas trade here proved the best in years, in both plants and cut flowers, and all appear to be well pleased with the amount of business done.

Gibson Bros., as usual had stocked up heavily and in many lines were entirely sold out; in fact little was left over.

C. Oscar Schultz had made heavy preparations at his Broadway store and found a great demand for all kinds of stock.

In flowering plants the best sellers were Begonia Gloire de Lorraine, Azaleas, Cyclamens and Poinsettias, the last and the Begonias being early sold out; many more could have been disposed of.

A surprise was the large number of Ferns in pans and in medium-sized pots sold, among them being Nephrolepis Bostoniensis, N. Whitmani and N. magnifica. Small-sized Palms were also in good demand.

In berried plants the Jerusalem Cherry was the favorite. The demand for Christmas greens was excellent.

In the midst of the rush a lot of funeral work came in, which kept Mr. Schultz's eleven hands and three delivery wagons on the go. A special feature was made-up baskets of greens filled with flowering plants which took well and brought good prices.

In cut flowers, as usual, red Carnations were early sold out and no more to be had; these brought $1.50 per doz.

Roses brought $2.50 to $3 per doz.; Violets, from $2 to $2.50 per 100, the supply being short.

At the Stewart Ritchie store the same condition existed, even Carnations which are grown in quantity at his own greenhouses, in all colors, were entirely cleaned up.

As a rule no advance in prices are made here for the holidays.

Less than usual was done in the way of decorations in the churches.

ALEXANDER MACLELLAN.

Kalamazoo, Mich.

That business was good is the verdict of the local trade and a feeling of satisfaction is apparent. The florists were indeed fortunate when the weather moderated on Wednesday and so made it easier to effect deliveries as well as bringing out the buyers.

A very large business was done in pot plants, especially those in bloom, and a more liberal mood seemed to prevail among the purchasers.

Holly, wreaths, and Christmas balls sold well, the latter almost entirely doing away with the paper bells which are now mainly carried by the department stores and even there have slow sales. Holly, generally speaking, was poor, but the Boxwood was good and was a heavy seller both in wreaths and balls.

Cut flowers were scarcer than usual but the advance in prices will probably more than balance the loss on shortage. A pleasant factor to record is there was no particular complaining of the advance in prices, showing the public is getting acquainted with the law of supply and demand even in flowers.

Van Bochove's had a gorgeous display in their store and kept a dozen or so men busy all the week as well as several delivery teams. The Central Nursery Co. also did a big business and handled a large quantity of Christmas trees.

The Fisher Co. had a finely decorated store and apparently broke all their previous records in amount of business done.

W. Thomas supplied most of the Christmas balls at the stores in town; and those doing business at their greenhouses cleared out well.

Shipping trade, of course, was most excellent; the prices prevailing being the Chicago quotations, the business being right up to the limit of supply.

The prospects for the coming week look favorable and, no doubt, good prices will prevail.

Altogether the trade wears a satisfied look and, on behalf of the florists in this vicinity, I wish The Florists' Exchange and its readers A Happy and Prosperous New Year. S. B.

Los Angeles, Cal.

Christmastide

Christmas spirit fills the atmosphere and holiday shoppers fill the streets and crowd the stores. The overwrought word "prosperity" has been abroad on this Coast for several years, and to a greater degree this season than during any of its predecessors—no stomach will go hungry, no child unclad, no hearthstone without fire, in Los Angeles—this year. The spirit of the Christ, whose birth we celebrate, permeated the lives our citizens and fraternal and charitable organizations to such an extent that the one ambition of each and all is to minister to the physical necessities of the unfortunate members of the community.

Our postmaster maintains a bureau, with seven volunteer women assistants, which investigates the appeals of children who, in their simplicity, address him as Santa Claus, in letters pathetic and appealing. One wealthy woman, whom the writer knows, called in a gardener—whom she had hired for a day at 50c. an hour—and made diligent inquiry as to any one in his part of the city who might lack food, fuel or clothing. When he showed a little impatience at her interruption of his work she gently but firmly bade him be seated and assist her in the work of finding the destitute, with the remark that the care of the garden was of less importance just then than ministering to the necessities of her fellows.

And yet there are men and women whose views are so narrow and minds so dwarfed that they never fail, when opportunity presents, to tell us that society is growing more corrupt, humanity more degenerate, and the world deeper in moral depravity than at any time since history has been recorded; whereas the fact is, never since the chorus "Peace on earth, good will to men," was sung by an angelic choir over the hills of Judea, two thousand years ago has the spirit of Him, whose birth they announced, so filled the world as at this present Christmas Day.

Flowers in abundance adorn our flower stores. There may not be enough to meet all demands, as has been the case for several seasons past, but a slight shortage is better than an over abundant supply. The cool, frosty nights have ruined Poinsettias and Tea Rose bloom, while copious showers will damage outdoor Carnations. Violets, grown by the acre, are not up to their usual standard of excellence and less abundant than usual at this season of the year. Our Christmas Berry is unusually plentiful and beautiful this season. Wreaths of our wild Plum, Prunus ilicifolia, are made to simulate the Holly wreaths of the East, by weaving the scarlet berries into them.

Never before have so many Jerusalem Cherries—the oval berried sort—been put on the market. Grown in the open and potted up into six-inch pots, they have been selling readily at one dollar each.

The several store windows show the individuality of the owner. O. C. Saakes has plants and cut flowers beautifully arranged, Adiantum Farleyense predominating. A. F. Borden's window was decorated with baskets of various sizes, filled with California Christmas Berry, branches, and some Cycas leaves ornamented with bands of red ribbon. Tom Wright had masses of bloom of all sorts, artistically arranged. The Wolfskill Store never appeared more beautiful. Roomy, it is furnished in massive vases, furniture and tapestry. Goldenson had a bank of the berries referred to above in his window. Certainly, Nature has been lavish with her gifts to us on this Coast this season.

Germain Seed Co. had on sale the finest flowered Primula obconica ever seen in this market.

P. D. BARNHART.

Dec. 22, 1909.

Firms Who are Building

BATAVIA, ILL.—The Batavia Greenhouse Co. is adding a second story to its office building in South Batavia ave.

MILWAUKEE, ORE.—Hindee Bros. have erected a modern greenhouse on the north side of this town, at a cost of $8000.

SOUTH PARIS, ME.—E. P. Crocket has built a new greenhouse at Porter st., 27 ft. by 50 ft., with an office building 12 ft. wide across the end.

NEWPORT, R. I.—Arthur Griffen, not finding conditions congenial at Port Washington, L. I., has returned to Newport.

MARION, IND.—F. W. Herleman is building a house for Carnations, 21 by 104 ft., using the Garland iron gutter and iron purlins. He is also getting ready to erect a house for Roses to cover a space 43 by 106 ft., and will use the Garland truss construction and iron gutters; the gutter will be 8 ft. high, with cement block walls. The Evans ventilating machines are used at this place entirely.

A Hunt Ends in a Tragedy

Dr. Lewes Krautter, assistant professor of botany in the University of Pennsylvania, and Ernest J. Macfarlane, son of Dr. John M. Macfarlane, head of the botany department in the same institution, were drowned or frozen to death near Wildwood Crest, N. J., last week. They had been on a hunting expedition, and it seems probable their boat upset during a windstorm.

Stock Sold Must be True to Name

An English purchaser of Orchids recently brought suit against the seller to recover £100 for breach of warranty. A plant named Cypripedium insigne Francis Wellesley, stated to be a great improvement on C. insigne Harefield Hall, was purchased from the defendant, but on flowering proved to be C. insigne Harefield Hall. The judge's verdict stated that all the parties concerned seemed to have acted in perfect good faith, but £70 and costs was ruled in favor of the plaintiff. In another similar action judgment was also given for the plaintiff.—*The Gardeners' Chronicle* (Eng.)

Washington, D. C.

Washington, like many other cities, had a "white" Christmas; the second snowfall of the season, with a veritable blizzard all Saturday night. The chief inconvenience suffered locally was the work of delivery which was hard on man and beast.

Christmas sales were excellent, but with prices ranging somewhat lower than upon similar occasions. There was a lively demand for all classes of cut flowers, and small pot plants ranging from 50c. to 75c. Azaleas led in public favor and Poinsettias, with which the market was well stocked, moved slowly. The supply of all stock was about normal.

JAS. L. CARBERY.

Concord, N. H.

Trade at Chas. H. Barrett's was at least 35 per cent. better than last year, and was about evenly divided between cut flowers and plants. Violets and Roses led in cut flowers, and Azaleas and Cyclamens in plants. $2 to $3 was the average price for Roses; $1 to $1.50 for Pinks; $2.50 per 100 for Violets.

C. V. KIMBALL.

Hoboken, N. J.

Business good; better than last year. Stock fine; mostly plants were sold, as cut flowers are too high for this neighborhood. Plant baskets, made up of Crotons and assorted colored foliage, were good sellers. Hampers and handle baskets about even in demand.

M. HENDBERG.

Nashua, N. H.

Our Christmas trade this year far surpassed anything in former years, in fact it was ahead of our expectations. It commenced early and kept up a steady increase until we were completely sold out of everything. Flowering plants of all kinds were in great demand, Azaleas taking the lead. Cut flowers of all classes worked up to the last. Green pottery had an unusually good sale, and brass jardinères and Fern dishes, of which we have just added a large line, were in great demand. Christmas greens also came in for their share and attention, and in fact kept us on the move throughout the late hours filling orders.

W. W. POWERS.

N. Y. State College of Agriculture

Assistant Professor H. H. Whetzel of the department of Plant Pathology, established at Cornell University, Ithaca, N. Y., in 1907, reports that in the Spring of 1908 quarters for that department were finally completed, since which the time has been largely taken up with teaching and becoming established in the new buildings. From henceforward this department expects to be in a position to assist growers who have trouble with plant diseases.

FREEPORT, ILL.—The recent heavy snows caused havoc at the greenhouses of John Bauscher, Jr.; the snow packed upon the glass and, when the thaw started, became heavy, thus breaking the glass in many places.

Prices Advertised in these Columns are for THE TRADE ONLY

We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(1) **Covering native Rhododendrons.**—Do you think it really necessary to cover our native Rhododendrons and protect them with cedar boughs here in Conn.? The Rhododendrons in question were planted a year ago this Fall, are on the warm side of the house, have had the best of care and are well established. N. H. N., Conn.

—In their native wilds there are many things affording shade to Rhododendrons in Winter, preventing the browning of the foliage, which they do not meet with in cultivation. Yours are of the native sort you say; and being on the warm side of the dwelling one would not look for them to be damaged by the cold of Winter. Many persons hereabouts who have such Rhododendrons and other hardy evergreens shade them by boughs or in some other way; not that they fear injury to the plants, but to preserve the fresh green color of Autumn to the leaves, instead of having the dull brown look which Winter gives to so many of them.—J. M.

(2) **Fungus on Palm Leaf.**—F. Nurseries, Conn.

—The fungus on the leaf of Phœnix submitted is Graphiola phœnicis. It can be kept in check by a weak solution of Bordeaux Mixture.

(3) **Specimen for Name.**—M. F., New York.

—Your sample arrived dried up. It is a Cytisus, but not having any description we are unable to determine the variety.

(4) **Christmas Plants under Glass in Summer.**—For another Xmas I want to have a few nice Cherries and Peppers in 4 to 5-in. pots and would like to know if I can grow them under glass all Summer, as I have not much room outside to plant in the field. I want also to have some Begonias such as, Erfordii and gracilis. When shall I sow the seeds and how shall I handle them through the Summer?—G. A. R., New York.

—It is possible to grow Cherries and Peppers under glass for Xmas, and seed should be sown for them about May 1. Transplant as soon as the seedlings can be handled, and give room to the plants as they develop, to keep them from becoming straggly. Great care must be exercised in watering, when plants are in bloom, so that the pollen is not washed off, as otherwise the plants will have no fruit. Shift as the plants develop. Sow seeds of Begonias about January 15, and transplant, when large enough to handle, into good soil. Repot as necessary, and do not give too much water. Plants should be pinched as occasion requires to make them shapely. Begonias enjoy a mixture of leaf mould in the soil.

(5) **Poinsettias Wilting.**—We have been growing Poinsettias for many years past and have never had any trouble with them until this year. They appeared while growing just the same as ordinary, but we cannot make them stand up when cut, the leaves droop down and look bad. Have tried burning the stem and also dipping it in hot water of various temperatures, but it seems to do no good. What do you think the trouble is and how can we remedy it?—C. P., Iowa.

—Your trouble seems to be one that bothers many florists, and we can only account for it by the flowers being subjected to a too sudden change in temperature. Plants should be hardened off a few days before being cut.

(6) **Sash House for Carnations.**—W. K., Long Island.—Your suggestions for building a sash house for Carnations would be of no avail, when consideration is taken of the low cost of regular building material. Get in touch with some greenhouse builders, who are advertisers in our columns, and we feel sure you can make a good bargain for a serviceable greenhouse at a reasonable cost. Sash houses are a thing of the past.

THE BURPEE-QU

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To our Friends, our Cus

Our customers a
have a personal interest i
our continued growth. H

The BURPEE
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Fifth Street Frontage of
THE BURPEE BUILDING
Erected in 1898
Our Philadelphia Headquarters

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Burpee's Seed

upon our own farms are raised
long experience has shown to
has a necessary exception. T

With hearty tha
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Seed Gardens and Trial Grou
SUNNYBROOK FARM in

ABOVE is repeated ve
American Seed Catalog" by Ja
is possible to produce, we shall
complete wholesale catalog for
case warrants the prices charg

W. ATL

ALITY IN SEEDS

BURPEE BUILDING

(OUR PRINCIPAL CITY WAREHOUSE AND OFFICES)

Nos. 475 and 477 North Fifth Street
and Nos. 476 and 478 York Avenue
PHILADELPHIA, PA.

REGISTERED WAB TRADE MARK
"The Seal of Quality."

January 1, 1910.

ıers:

ɔur friends and the introduction to The Farm Annual has been rightly so addressed for many years past. We ɔing all that is possible to insure your success in gardening, and are sure that you are pleased also to know of :e, you may be interested in reading the articles on pages 4, 12, and 34, from all four American Trade Journals.

SINESS has shown a steady—and almost uninterrupted—growth since its beginning, in 1876, in the little ng pictured below. Compare this with the present Burpee Building and also our latest purchase, illustrated on page cover. The total business for an entire year "in the seventies" was less than what we do now in a week.)UR OLD CUSTOMERS,—many of twenty to thirty years' standing,—need no new assurance of fidelity r part. Our reputation for SEEDS OF QUALITY has been builded upon the constant aim to maintain the of our famous motto :—

Burpee's Seeds Grow and are The Best Seeds that can be Grown

This Catalog for 1910 (of which the first edition is more than four hundred thousand copies) may reach some 's, however, who never before have had an opportunity to try BURPEE'S SEEDS. To such we would say ll we ask is a fair comparative trial,—no matter how small your first order may be. All stocks are thoroughly and we sell only those proved to be good—the best it is possible to produce.

are Grown by Burpee! As a rule, this is absolutely true! Those varieties of seeds that cannot be produced to the highest standard of excellence ler private contract, subject to our personal inspection during growth in such sections of America and Europe as :st adapted to their proper development. We buy no seeds upon the open market—and yet this rule occasionally xception this season is in the case of Garden Peas, for the reason explained at bottom of page 80.

Where We Began IN 1876

; for your many courtesies during past years, and trusting that the same friendly spirit may

Sincerely and gratefully yours,

ıt our famous FORDHOOK FARMS, Bucks County, Pa.,
/ Jersey, and The New BURPEE RANCH in California.

Wm. Burpee

m, the introduction to our retail catalog—BURPEE'S NEW ANNUAL FOR 1910. If you do not receive a copy of this "Leading ry 10, please write for it. At the same time, if you appreciate quality in seeds and are willing to pay a fair price for the best seeds it leased to send you also (provided you are a market gardener or florist) a copy of BURPEE'S BLUE LIST FOR 1910—the most e who plant for profit. ¶ While our prices may be higher than those of some other houses, yet the quality of the seeds in every We aim always to excel in quality rather than to compete in price. Shall we send you one or both catalogs?

E BURPEE & CO., PHILADELPHIA, PA.

Dimorphotheca Aurantiaca

This is one of the showiest of Summer garden flowers and as well one of the most remarkable annuals that has been, we may say, reintroduced during the last few years. It is not exactly a novelty, for, according to a writer, in the Revue Horticole, it was cultivated, at least in England, for a period of more than 40 years, between the end of the eighteenth and the beginning of the nineteenth centuries, as appears from illustrations in the great iconographic work of that time. It was described in the Botanical Magazine in the year 1797, under the name of Calendula Tragus, again in the same publication in 1818; and in the Botanical Register in 1815. After that, it was neglected and forgotten for a long time, being reintroduced only in the beginning of our own century by the firm of Barr & Sons, who obtained the seed from Namaqualand, South Africa. In France it was exhibited for the first time last April, before the National Society of Horticulture, when it was awarded a certificate of merit.

The pre-eminent qualities of Dimorphotheca aurantiaca are many: in the first place, the flowers are exceedingly gay and brilliant in color and love to unfold under the full sunlight, whereas under the same influence many other flowers are prone to close or fade, and it is a very free and long continuous bloomer; it prefers a sunny, warm and dry location, not demanding much water; finally, it is very easily cultivated and propagated and will begin to flower within two months after having been sown. It may be used both for baskets and borders; its bright orange flowers harmonize well with other colors and will also afford effective contrasts. For effect in mass, at a distance, it is cheaper than the Geranium because of the ease and rapidity with which it may be propagated.

This plant received honorable mention at the Temple Show in London, in May, 1908, and we are pleased to see it prominently figured in Burpee's Annual for 1910.

Plants in Sick Rooms Advocated

The abundant use of house plants in the sick room was advised in a paper on the subject read before the Stark County Horticultural Society, at a recent meeting at the Stark County Infirmary, Canton, O., by Dr. M. D. Dougherty of Massillon. Dr. Dougherty asserted that the old custom of not permitting house plants in the sick room was a fallacy and advised their use both in the sick room and throughout the house. The claim is made that they absorb the poisonous carbonic acid gases thrown off by the body and that they also assist in neutralizing other poisonous gases.

Artificial Flowers

Editor The Florists' Exchange:

Enclosed you will find an advertisement that I clipped from the New York Times of Dec. 28, 1909, covering artificial flowers. Surely this line of business is making dangerous progress; wherever you go you see artificial Fern dishes and artificial flowers. It is not alone the so-called middle class that use them, but also the so-called upper class.

When will the florists waken up and pay heed to the vast inroads this line of business has made, especially for the past three years.

In the EXCHANGE of Dec. 11, under the title of "Our Mission," you have undertaken to assist, through legislation, to bring about two much needed reforms, the discontinuance of free seed distribution, and the establishment of a parcel post. Make it one more, the mission to discourage the use of artificial flowers.

E. H. VOLKMANN.

New York, Dec. 28, 1909.

The advt. to which Mr. Volkmann refers is one of Saks & Co., New York, headed "Where Are the Roses of Yesterday?" and then proceeding to dilate upon the beauty, variety of form and lasting qualities of the artificial flowers they offer: Violets, Roses, Gardenias, Lily of the Valley, Jonquils, Orchids, etc.

Frankly, no one has a right to interfere with legitimate business and even when the red rag of artificial flowers is waved at us, however it may excite our wrath and displeasure, we have to bear with it as best we can, controvert its value all the time and in open, manly fashion, use every art of voice and persuasion to keep that article from gaining too solid a foothold.

Reception Hall Decoration. American Beauty Roses, Easter Lilies and Smilax
W. J. Palmer & Sons, Buffalo, N. Y.

That the artificial flower will ever supersede the natural, or affect the sale of the latter to any appreciable degree, we much doubt. Many of us are compelled to wear artificial teeth, but we keep the fact close and we think it is much the same with the artificial flower; people who wear them are not saying much about them for fear they will hear a disparaging remark.

If the trade, generally, will offer fresh goods only, flowers that will keep as they should keep, the danger of these being supplanted by the artificial product or worn to any extent in anything except hats is, we believe, very remote.

A Unique Decoration by Breitmeyer's

Breitmeyer's recently had an extremely fine decoration for a comingout ball. It was one of those old timers where expenses are of secondary consideration and doubly enhanced in value through its position in an art studio filled but not overloaded with fine marbles, draping, chairs and tables, all of very rich design and each one a piece of art. The principal material used was Southern Smilax, Laurel and American Beauty Roses. Two very handsome doorways, encased with frames from old Italian chapels, led into a conservatory in which a beautiful moonlight effect was produced by using green crystals around electric lights. Large Palms and Ferns were used to add to the subdued effect, and several 15-inch Corinthian columns, surrounded by tall slender evergreens, with a marble fount and a string orchestra, completed a genuine Italian moonlight scene. It was, all in all, a complete success and society was in raptures.

FRANK DANZER.

Christmas Retail Trade in New York

Reports of retail florists in the different sections of Greater New York are to the effect that Christmas trade was heavier than heretofore experienced at a similar season. Early on the day preceding the holiday, many supposedly ample stocks laid in were sadly depleted and many would-be purchasers had to be disappointed. It was really and truly a plant Christmas, cut flowers figuring very little in the volume of sales made.

The windows of the florists on the prominent thoroughfares presented a brilliant array of flowering plants in all manner of combinations; very few cut flowers were to be seen. While there was but little which might be termed "new" in the line of plants displayed, still, there were one or two innovations which at least presented the feature of change. Some of the smaller potted plants were shown with the pots completely covered with ribbon, instead of the usual pot cover. The ends of the ribbon were finished in a bow, and while the effect was handsome, such decorations in careless hands would soon be damaged, and the fashion, therefore, must be short-lived.

There was the usual array of basket and hamper combinations. Baskets in what are termed "Arts and Crafts" styles were exceedingly prominent, and some of the designs were most handsome and covered a wide range of ideas, many of them in the lighter "Mission" style. Twig hampers and baskets were again popular, as well as those of raffia and willow.

Plants of Orchids, in their frame carriers, and well flowered, were noticeable in some of the better stores. Cattleya Trianæ was most gorgeous combined with liberal ribbon effects. Cypripedium insigne seemed to be a popular flowering plant, and numbers of them, profusely flowered, were seen in the florists' windows on Broadway and Fifth ave. Tastily decorated with ribbons, they appealed at once to an artistic taste and proved to be good sellers.

Ottaheite Oranges were more than usually in evidence this year and, trimmed with yellow ribbons, appeared to strike the popular fancy. Begonia Gloire de Lorraine was on view everywhere, some very handsome plants adding much to the general window displays and selling well. There were quantities of poorly grown plants hanging fire, much to the disgust of florists who loaded up with them. There was more of this inferior stock seen than has been the case in previous years and retailers realize that unless of good quality Begonia Gloire de Lorraine is not worth handling. Camellias in flower were seen quite largely, but did not appear to meet with ready sale.

Some day, not far off, either, all Retail florists will appreciate the advantages of this Department. But why wait? Break the ice now, with the beginning of 1910, and write us freely. Correspondence solicited. Good photos wanted.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — **ALBANY, N. Y.** **11 North Pearl Street**
Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Atlanta Floral Co. — **ATLANTA, GEORGIA** **41 Peachtree Street**
We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** **124 Tremont Street**
We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** **24 Tremont Street**
Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Robt. G. Wilson — **BROOKLYN, N. Y.** **Fulton St. and Greene Ave**
Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — **BUFFALO, N. Y.**
W. J. PALMER & SON. **304 Main St.**

Hauswirth — **CHICAGO, ILL.** **The Auditorium Florist, 232 Michigan Ave.**
The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

JULIUS BAER, **CINCINNATI, O.** **Fourth St.**

Frank E. Crump — **COLORADO SPRINGS, COLO.** **Retail Florist**
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

W. G. Matthews — **DAYTON, OHIO** **Florist, 16 West Third Street**
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

The Park Floral Co. — **DENVER, COLORADO** **1706 Broadway**
J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

John Breitmeyer's Sons — **DETROIT, MICH.** **Broadway and Gratiot Ave.**
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Ericas were again a good thing, and enough plants could hardly be secured. Trimmed with bright red ribbons, they were recognized as ideal Christmas plants. Ardisias again enjoyed a good run and figured but little in the left overs. Poinsettias were handled in great numbers and on the whole were a good thing, particularly in the various combinations in which they were used. Jerusalem Cherries sold well and were very handsome both alone and used in hamper or box effects. Something of a novelty were pots of Carnations in flower, and the offerings in this line were soon snapped up. Azaleas again met an enormous demand and cleaned up wonderfully well.

Seldom before have Ferns been in such demand as they were at this Christmas. The Boston and its many sports were sold by thousands. Some of the retailers used them in combination with Winterberries and Pussy Willows, and the effects thus obtained made many a sale. Dracænas and Asparagus and smaller Ferns in combinations were also good sellers.

Reports from plant growers in regard to the Christmas business are all satisfactory, most all growers having been completely cleaned out of stock.

Some Boston Retailers

The new store of Julius Zinn on Park st., right in the center of the wholesale flower district, is a gem. The decorations in green give an excellent setting and the large show window makes it one of the most attractive stores in town.

Thos. F. Galvin's, on Tremont st., is always a busy corner. It is located on a much traveled thoroughfare and his windows are always an attraction.

Henry R. Comley on Park st. has always something attractive and his store is one of those that make a specialty of many of the rarer plants and flowers.

J. Newman & Sons, at 24 Tremont st., is one of the oldest established retail stores in town, and enjoys a fine established trade.

Bromfield st. is known as one of Boston's busy cross streets and there is no more busy place to be found than the store of Penn, with an always attractive window. On entering, the fine white decorations, with always a large lot of Killarney and other Roses greet the eye.

Among the Back Bay stores, one of the latest is that of Carbone, on Boylston st. This is now one of the leading streets of the new shopping district and the arrangements of this store are charming, without a doubt. Here, too, may be found some rare plants and flowers that will be always pleasing to the person on the outlook for something out of the ordinary.

McMulkin's store is always attractive, located as it is opposite the Public Gardens, and kept up by a window that has ever changing attractions, and where color schemes are used with excellent effects.

W. E. Doyle is one of Boston's oldest florists and his store on Boylston st. is one of the leaders. The conservatory at the back makes it rather out of the ordinary, and is something rarely met with in the more recently established stores.

Hoffman is located right on Boston's hon ton thoroughfare, Commonwealth ave., corner of Massachusetts ave. He has at all times a large selection of plants and flowers and keeps his corner one of the most attractive in town.

For "Supply" advertisements see next pages

Bertermann Bros. Co. — **INDIANAPOLIS, IND.** **241 Massachusetts Ave.**
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — **JACKSONVILLE, FLA.** **20 Laura St.**
We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — **KANSAS CITY, MO.** **1017 Broadway**
I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — **LOUISVILLE, KY.** **644 Fourth Avenue**
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA** **855 St. Catherine St., West**
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Young & Nugent — **NEW YORK** **42 West 28th Street**
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** **25 Clinton Avenue, North**
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — **SCRANTON, PA.** **122 and 124 Washington Ave**
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** **20-22-24 West Fifth Street**
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

Sievers Floral Company — **70 Geary Street** **SAN FRANCISCO, CAL.**
"Choicest of Flowers Always on Hand."

All advertisers in this column are provided with Arnold's Florists' Telegraph Code No. 16

A Greenhouse on Wheels, by F. Milliot, Yonkers, N. Y.

Chiffons, Taffeta and Satin Taffeta Ribbons

That contain the utmost value for your money.
Narrow, medium and wide widths.

WRITE FOR SAMPLES

The Pine Tree Silk Mills Co.

Philadelphia, Pa.
806-808-810 ARCH STREET

Please mention the Exchange when writing.

Henry M. Robinson & Co.,

Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

Dagger and Fancy Ferns, $1.50 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

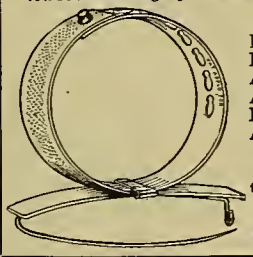
Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, BOSTON, MASS.

Please mention the Exchange when writing.

WILSON'S CORSAGE-BOUQUET HOLDER

Award of "Highly Commended" at the S. A. F. Trade Exhibition at Cincinnati.



Holds Corsage-Bouquets securely and gracefully.
Prevents damage to apparel.
Adjustable to any diameter of bouquet stem.
Adaptable to anything from Violets to Roses.
Does away with Corsage Pins.
A handsomely silver plated article and ornamental in itself.

Samples to the trade, 25c. each, by mail postage paid. By the dozen $3.00, postage paid. Correspondence Solicited.

Address

ROBERT G. WILSON, Fulton St. & Greene Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

FANCY OR DAGGER FERNS, $1.00 per 1000.

GALAX, bronze or green, $1.00 per 1000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. GREEN MOSS, $1.25 per barrel.

Use our LAUREL FESTOONING, for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods.

SMILAX, 50 lb. cases, $6.00.

PINE, 7c. per lb.

Telegraph office; New Salem, Mass. L. D. Phone Connection

Partridge Berries, $2.00 per 1000 or 10c. per bunch of 50 sprays.—Order now. Nice, large bunch of Laurel Branches, 35c. Laurel and Pine wreaths, $2.00 to $3.00 per doz. Boxwood, $12.00 to $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

THE KERVAN CO.

113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays.

Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocos Fibre, Birch and Cork Barks, etc., etc.

CHRISTMAS GREENS, Holly, Mistletoe, Pine Plumes, Table and Christmas Trees.

All Decorating Material in Season.

Please mention the Exchange when writing.

Cut Flower and Design Boxes

All Sizes, Lowest Prices
Write
C. C. Pollworth Co.
MILWAUKEE

Please mention the Exchange when writing.

F. E.—The Best Advertising Medium

THE BEST WAY

to collect an account is to place it with the

National Florists' Board of Trade

56 Pine St., NEW YORK

WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00.

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

HOW TO RID THE GREENHOUSE OF PESTS

All Florists and Nurserymen who have tried our Getsthere Insecticide Soap continue to use it. They claim it frees their plants from all pests.

1 gallon, $1.00.

Ask your Supply House for it or write us.

GETSTHERE SOAP CO., Conshohocken, Pa.

Please mention the Exchange when writing.

Growing Jasmine for Perfumery

The cultivation of Jasmine for perfumery purposes in the district of Grasse, France, is assuming large proportions every year. The 300,000 pounds picked in 1900 has increased to about 1,200,000 pounds at the present writing; the plantations in 1906 alone increased to more than 1,000,000 sq. ft. of ground.

Two kinds of Jasmine are grown at Grasse, the common or white Jasmine, which is used as a grafting stock, and the Spanish Jasmine, the flowers of which are larger and more strongly perfumed, with a red stripe in the corolla. Jasmine requires much sun; in favorable surroundings it may be found at an altitude of 1200 to 1600 ft. at Grasse.

The harvesting of the flowers begins toward the end of August, and lasts until the third week of October. The women of the region do the picking, beginning at six in the morning, or sooner if the dew has disappeared; good workers can pick eight to ten pounds in the forenoon, receiving half a franc, or 10 cents per kilo (2.2 lbs.). If the flowers are still a little damp with dew they are spread out on cloths in the fields to dry; they are then carried in large flat baskets, in quantities of 15 to 20 kilos, to the perfumery works.

The flower of the Jasmine is sold by the kilogram (2.2 lbs.) at a price fixed each year, and that is also subject to the season, for the flowers picked after the end of September, when the heat is abating, lose some of their perfume.

In 1906, the price was 4 francs (80 cents) per kilo; in 1907 it slumped to 2.45 francs, and in 1908 the flowers brought even less, doubtless on account of overproduction. Many growers make a definite agreement with the manufacturers for a period of six years, the price being generally fixed at 2 francs per kilo, for a predetermined quantity. It is estimated that 1000 sq. ft. of ground will produce 40 to 50 kilos of flowers. A well-kept plantation of Jasmine will produce a crop for a period of 14 to 15 years.—*Revue de l'Horticulture Belge.*

Chrysanthemum Baby

The Chrysanthemum bearing the above name is probably the smallest double-flowered variety in existence, being, in point of fact, a miniature-flowered Pompon of a golden-yellow color, that appears to attract the attention of a large number because of its diminutive size. The flower heads individually are not so large as an ordinary breeches button, and a dozen or two of these clustering—though not touching—on the tips of well-flowered branches or sprays, are very attractive. The variety is small in all its parts, leaves, stems, and florets, the latter not more than half an inch in length. The plant is of dwarf and bushy habit, and those who cultivate the curiosities of the Chrysanthemum world should find it of considerable interest. As exhibited recently, the variety was quite an attraction, even among a large number of other varieties of undoubted excellence.—E. J. in *Gardening Illustrated.*

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside
All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.25	28x8x4	$4.50
18x5x3	2.25	30x5x2½	3.76
24x5x3½	3.00	36x6x5	6.50
21x7x3½	3.25		

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.50
18x18x8	9.00	36x10x6	10.00
20x20x8	10.00	30x12x7	8.50
24x24x8	12.00	28x12x4	6.50
24x18x8, Pillow Box			12.00
20x15x8, Pillow Box			10.00

10% discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

If you want a Pure White Box, our "White Carnation Brand" will please you. Prices are 10% higher than the "Favorite Brand," and are made on special order only.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders received during December amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.
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Webster's NEW INTERNATIONAL Dictionary, (G. & C. Merriam Co., Springfield, Mass.) surpasses the old International as much as that book exceeded its predecessor. Editor in Chief, Dr. W. T. Harris, former U. S. Com. of Education. The definitions have been rearranged and amplified. The number of terms defined has been more than doubled. The Etymology, synonyms, pronunciation, have received unsparing scholarly labor. The language of English literature for over seven centuries, the terminology of the arts and sciences, and the every-day speech of street, shop, and household, are presented with fullness and clearness. In size of vocabulary, in richness of general information, and in convenience of consultation, the book sets a new mark in lexicography.

400,000 words and phrases.
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Natural and perpetuated. Orders booked now for future delivery.

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KRICK'S Florist Novelties

Manufacturer and Patentee of
The only genuine IMMORTELLE LETTER on the market
1164-66 Greene Ave., BROOKLYN, N. Y.

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122 W. 25th Street NEW YORK

We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work

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CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

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MICHIGAN CUTFLOWER EXCHANGE, Inc.
Wholesale Commission Florists
Dealers in Fancy Ferns
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WIRE WORK
Send for our Illustrated Catalogue.
We manufacture the best designs at the lowest prices. Try them—you will use no others.
ALL CUT FLOWERS IN SEASON
We are Cincinnati Headquarters for American Beauties
GILLETT & OHMER, 181 East Third St. CINCINNATI, O.
Please mention the Exchange when writing.

Florists' Refrigerators
Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.
McCRAY REFRIGERATOR COMPANY
962 Mill Street, KENDALLVILLE, IND.
Please mention the Exchange when writing.

WIRED TOOTHPICKS
10,000, $1.75; 50,000, $7.50
Manufactured by
W. J. COWEE, Berlin, N. Y.
Samples free. For sale by dealers
Please mention the Exchange when writing.

Southern Wild Smilax
Now ready for shipment.
Write, wire, or 'phone the introducers.
CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA
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ALL NURSERYMEN SEEDSMEN and FLORISTS
Wishing to do business with Europe should send for the
"Horticultural Advertiser"
This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address
Editors of the "H. A."
Chilwell Nurseries, - Lowdham, Notts.
European Agents for
THE AMERICAN CARNATION
Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the Exchange.

Snow White Sport of Helen Frick
CHRYSANTHEMUM
Special certificate of merit at Maryland Horticultural Society last week.
Stock plants for immediate delivery.
Large plants, $3.00 per doz.
Small plants, 2.00 per doz.
CARNATION ALVINA, the only dark pink Carnation, $6.00 per 100; $46.00 per 1000.
HENRY EICHHOLZ, Waynesboro, Pa.
Please mention the Exchange when writing.

Geraniums
4000 S. A. Nutt, R. C., $1.25 per 100, $10.00 per 1000. Also 1500 out of 2¼-in. pots, $2.00 per 100. Cash with order.
E. A. BLINN, Cromwell, Conn.
Please mention the Exchange when writing.

Retail Notes

MABYSVILLE, CAL.—J. W. Evans of Sacramento is to open a retail florist store in the Ellis block. A nursery, with greenhouses, is contemplated in the near future.

BETHLEHEM, PA.—Haines' new florist store, corner Broad and New sts., was opened on Dec. 21 and was visited by a large number of people.

KANKAKEE, ILL.—E. F. Ingham opened a store in the Chritzman Building on Dec. 17, to conduct a business in cut flowers and potted plants.

TRENTON, N. J.—Chester A. Van Cleef, 19 years old, has opened a retail flower store at 10 West State st. Mr. Van Cleef has been in the employ of several of the best known florists in this vicinity and has gained much knowledge of flowers.

JACKSONVILLE, FLA.—Owing to the tremendous growth of the business of the Jacksonville Floral Co., another store was leased at 123 Laura st., to accommodate stock for the holidays.

Rochester, N. Y.

That the Christmas business for 1909 was fully equal to previous years is generally conceded by the local trade; and from opinions expressed by some of the dealers it will, no doubt, after matters are straightened out, prove to show a marked increase in the volume of business in comparison with previous years.

Owing to the dark, cloudy weather prevailing previous to Christmas, and the brisk demand for cut stock right up to the time of the largest demand, the stock received was in good condition and fresh, the pernicious habit of salting stock not having been resorted to, much to the satisfaction of all concerned and particularly to the flower buying public who, as everybody knows, are getting very tired of paying from 50 to 100 per cent. advance for stale flowers at Christmas after buying superior stock at other times for a reasonable price. It is devoutly to be wished that the conditions prevailing this year will continue in the future, and that the man who hereafter pickles his flowers will be a back number.

Carnations were in good demand, bringing from 5c. to 6c., red bringing 8c. and 10c. Roses brought from 12c. to 15c.; some Fancy stock bringing 20c. and 25c. were in good demand, especially Richmond and Pink Killarney. White Killarney did not move to any extent. Violets cleaned up well at $1.50. Valley brought $2.50 to $4.

Transportation facilities, it may be said, were never so bad at any previous Christmas. No Violets reached Rochester till 8 p.m. Christmas Eve, consequently much business was lost; other shipments from the East were equally delayed, some not arriving until Saturday and Sunday. Outgoing shipments were never so badly handled. Shipments arrived too late for sale and many were frozen so badly as to be unfit for use, from being carelessly left for hours in the severe cold. It seems that much of this inconvenience could be remedied by the S. A. F. getting together with the transportation companies. The evil could probably not be remedied altogether, but much of it could be done away with.

Prospects for New Year's are bright for a good cut flower trade, and stock will not be over plentiful if the present cold weather continues. H. B. S.

Verbenas! Verbenas! Verbenas!
THE SEASON IS NOW OPEN
OUR SELECTION
Rooted Cuttings .....75c. per 100, $6.00 per 1000
Strong plants in 2½-in. pots .....$2.50 per 100, 20.00 per 1000
PURCHASER'S SELECTION
Mrs. Wm. Taft, Miss Wilmott, Rooted Cuttings.....$1.00 per 100, $9.00 per 1000
Rooted Cuttings .....90 per 100, 8.00 per 1000
Strong plants in 2½-in. pots .....$3.00 per 100, 25.00 per 1000
Plants of Mrs. Wm. Taft and Miss Wilmott..... 4.00 per 100, 30.00 per 1000
When Rooted Cuttings are ordered sent by mail, add 10 cents per 100, 50 cents per 1000, to pay postage.
J. L. DILLON, Bloomsburg, Pa.
Please mention the Exchange when writing.

Rooted Cuttings
PETUNIAS, Dreer's Superb, double fringed; the best selected large-flowering doubles, finely fringed, mixed colors, $1.00 per 100, $9.00 per 1000.
FUCHSIAS, finest double, dwarf habit, $1.00 per 100, $8.00 per 1000.
HELIOTROPE, dark, good stock, 75c. per 100, $6.00 per 1000.
PETUNIA, The Queen, fine double fringed, white mingled with purple, $1.00 per 100, $9.00 per 1000.
DOUBLE LOBELIA, Kathleen Mallard, $1.00 per 100, $8.00 per 1000.
SALVIA Zurich, absolutely true to name, $1.00 per 100, $8.00 per 1000. Bonfire, 80c. per 100, $7.00 per 1000.
AGERATUM Stella Gurney, 60c. per 100, $4.00 per 1000.
GERANIUMS, Double Grant, strong, stocky plants, from 2-in. pots, ready for a shift, $2.00 per 100, $18.00 per 1000.
Cash with order.
J.P.CANNATA, Mt.Freedom, N J.
Please mention the Exchange when writing

6 **CHRYSANTHEMUM NOVELTIES FOR 1910** 6
THE BIG SIX
Mrs. H. Stevens, Gladys Blackburn, W. Mease, Hetty Wells, R.H. Felton, Wells' Late Pink; besides several others.
Large stock of indoor Grape Vines, 1 and 2 years old. Roses, Carnations etc.
Send for list.
SCOTT BROS
Elmsford Nurseries
ELMSFORD, N. Y.
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Please mention the Exchange when writing.

Chrysanthemums
and
Aster Seed
All the leading kinds best suited to Florists' use.
Elmer D. Smith & Co.
Adrian, Mich.
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CHRYSANTHEMUMS Stock Plants. Mrs. Kalb, Estelle, White Bonnaffon, Alice Byron, Angele Laurent, Desjouis, Glory of Pacific, Mande Dean, Pink Ivory, Rosette, Amorita, Major Bonnaffon, Creme, Halliday, Yellow Jones, Golden Glow, Baby, 60c. per doz.; $4.00 per 100. Golden Eagle and Baby Margaret, $1.50 per doz.; $10.00 per 100.
WILLIAM SWAYNE, P. O. Box 215 Kennett Square, Pa.
Please mention the Exchange when writing.

FUCHSIAS
There are none better than Little Beauty, Lord Byron, Renan and White Beauty. Strong 2½-in. pots ready, $4.00 per 100. New Heliotrope, Miss Berenice, a sport of Mad. Bruant and a great improvement on the latter 2½-in. pots, $8.00 per 100. Katalog for the asking
SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.
Please mention the Exchange when writing.

HEACOCK'S PALMS

Areca Lutescens	Each
6-in. pot, 3 in pot, 24 to 26-in. high	$0 75
6-in. pot, 3 in pot, 28 to 28-in. high	1.00
7-in. pot, 3 in pot, 30 to 32-in. high	2.00

Cocos Weddelliana	100
2½-in. pot, 8 to 10-in. high.	$10.00
2½-in. pot, 10 to 12-in. high.	16.00

Kentia Belmoreana	Each	12
6-in. pot, 8 to 7 lv., 18 in..100	$50.00	$6 00
6-in. pot, 6 to 7 lv., 22 to 24 in	$1.00	12.00
7-in pot or tub, 6 to 7 lv., 34 to 38 in.	2.50	30.00
9-in. tub, 6 to 7 lv., 42 to 48 in., h'vy,	5.00	
9-in. tub, 6 to 7 lv., 48 to 64 in., h'vy,	8.00	

Made-up Kentia Forsteriana	Each
7-in. pot, 4 in pot, 34 to 36-in.	$2.50
7-in. pot, 4 in pot, 36 to 38-in.	3.00
9-in tub, 4 in tub, 42 to 48-in.	6.00

JOSEPH HEACOCK CO., Wyncote, Pa.
Please mention the Exchange when writing.

Complete List of Balance of
CHRYSANTHEMUM STOCK PLANTS
Still given away at the low rates while they last. About 2000 Golden Glow, 2000 October Frost, 600 Pacific Supreme, 600 White Cloud, 2000 Clementine Touset, 2500 Alice Roosevelt, 500 Rosiere, 300 Monrovia, 1000 Eaton, 3000 Enguehard, 600 Bailey, 300 Yanoma, 300 Nonin, 500 Black Hawk, 300 Cullingfordii, 600 Appleton, 400 White Bonnaffon, 300 Clay Frick, 200 Winter Cheer, 200 Minnie Wanamaker; 300 Golden Wedding, 100 White Dean, 400 Alice Byron. All above at $2.00 per 100, $16.00 per 1000. Above are all kinds we have left at this rate.
A few Lynnwood Hall at $3.00 per 100.
A few Virginia Poehlmann at $5.00 per 100.
I. M. Rayner, Greenport L. I., N. Y
Please mention the Exchange when writing.

CHRYSANTHEMUM STOCK PLANTS
WHITE
Early Snow — White Chadwick
Polly Rose — Jeanne Nonin
White Dean
PINK
Pacific Supreme — Dr. Enguehard
Amorita — Light Maud Dean
C. Touset — Madam J. Rosette
YELLOW
Golden Glow — Golden Age
Monrovia — Golden Dome
Col. Appleton — Golden Chadwick
Major Bonnaffon
76c. per doz.; $6.00 per 100; $50.00 per 1000.
ROBERT CRAIG CO.
49th and Market Streets, PHILADELPHIA, PA.
Please mention the Exchange when writing.

CHRYSANTHEMUM STOCK PLANTS
The White Frick
First Class Certificate awarded by the National Chrysanthemum Society of America, 1908.
Plants, $3.00 per doz., $20.00 per 100.
Paul Fischer
Wood Ridge, Bergen County N. J.
Please mention the Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By first-class designer and storeman; care of Palms, etc. Address, J. Hetherington, Pequannock, N. J.

SITUATION WANTED—By working foreman; good grower of cut flowers and pot plants; designer; married. State wages in first letter, please. Address F. H. Ruf, 22 E. Gravers Lane, Chestnut Hill, Pa.

SITUATION WANTED—By a first-class grower of Roses, Carnations, Chrysanthemums, Palms, Ferns, Lilies and general stock, Violets. Address, K., 596 S. Main Street, Chambersburg, Pa.

SITUATION WANTED—As manager or foreman; good grower of cut flowers and pot plants. Trustworthy. Neighborhood of New York preferred. Address, U. D., care of The Florists' Exchange.

SITUATION WANTED—By man with first-class experience in cut flowers, Roses, pot plants; gardening inside and outside. Best references. Florist, 255 East 10th street, New York City.

SITUATION WANTED—By firstclass designer and decorator; years of experience; the very best references. Able to take care of a store. U. R., care of The Florists' Exchange.

SITUATION WANTED—By assistant greenhouse man; a good grower of Roses, Carnations, Chrysanthemums and general stock; good potter. Good wages expected. Address, U. C., care of The Florists' Exchange.

SITUATION WANTED—By single man, age 23; first-class Chrysanthemum, Sweet Pea and general stock grower; life experience. Best reference: quick worker. State wages. Address, D. G., care of Mr. Remsen, 263 East 10th street, New York City.

SITUATION WANTED—By single man, age 35; German; grower of decorative, general and cut stock; private or commercial place near city preferred. Good references. State particulars. Address U. B., care of The Florists' Exchange.

SITUATION WANTED—By middle aged German gardener and florist; experienced in Carnations, Chrysanthemums, pot and bed planting; also vegetables under glass and general greenhouse work. Small retail place preferred. Address, R. Heineman, 502 Phipps Power Bldg., Pittsburg, Pa.

HELP WANTED

WANTED—At once, greenhouse assistant on commercial place. Send references and state wages. Apply R. C. Pye, Nyack, N. Y.

WANTED—On Ferns and other pot plants; must be a good potter; married or single. Wages, $12.00 per week. J. H. Fiesser, Weehawken, N. J.

WANTED—At once, good reliable man on large commercial place. One with some knowledge of carnation growing preferred. Married or single. Address with references U. E., care of The Florists' Exchange.

WANTED—Nurseryman; all around man, familiar with evergreens and capable of handling men. State age, experience and salary expected. T. E. Steele, Pomona Nurseries, Palmyra, N. J.

WANTED—Young man between 18 and 21 years, with some experience in greenhouse work and hotbeds. One who is willing to learn plant and nursery business preferred. State wages with good room and board. Good opportunity for one willing to learn. Apply Kenbrook Seed Farm, Milford, Va.

WANTED SEEDSMAN

A competent man to work the gardener and wholesale trade, and to make himself generally useful in store when not so engaged. State in confidence where last employed, reference, and salary expected. Address, U. Y., care of The Florists' Exchange.

STOCK FOR SALE

GERANIUMS

GERANIUMS, rooted cuttings, Buchner, $1.25 per 100, $10.00 per 1000. Nutt and Buchner from 2-in. pots, $2.00 per 100. Cash. W. C. Myers & Sons, Scottdale, Pa.

GERANIUMS, R. C. Buchner, Jaulin, Nutt, Chas. Gervais Henderson, Montmarte, $1.25 per 100, $12.00 per 1000. Address, Chas. Frost, Kenilworth, N. J.

GERANIUMS, rooted cuttings, Nutt, Buchner, Grant, $1.25 per 100, $10.00 per 1000; 2-in. pots, $2.00 per 100. Now ready. Cash. Address, W. C. Myers & Sons, Scottdale, Pa.

GERANIUMS, 2¾-in. pots. Poitevine, Ricard, Nutt, Buchner; cool grown, fine stock; $2.00 per 100, $18.00 per 1000. Cash with order. Address, E. V. B. Felthousen, 184 Van Vranken ave., Schenectady, N. Y.

MISCELLANEOUS

CHRYSANTHEMUM STOCK PLANTS—All money-making kinds. Send for list and prices. Geo. A. Relyea, Poughkeepsie, N. Y.

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices. George Peters & Sons, Hempstead, N. Y.

CARNATIONS—Apple Blossom and Wanoka; strong rooted cuttings. Delivery, January 1. Wanoka Greenhouses, Barneveld, N. Y.

CLEMATIS PANICULATA SEED—New crop now ready. Must be planted in the Fall. Postpaid: ¼ lb., $2.00; ½ lb., $3.50; lb., $6.00; 5 lb. lot, $5.00 per lb. Jacob S. Handte, Asheville, N. C.

PRIMULA OBCONICA, 4-in., large plants, mixed colors, full of bud and bloom, $5.00 per 100. Sinensis, 4-in., mixed colors, double and single, fine stock, $8.00 per 100. A bargain. Try them. Alonzo J. Bryan, Washington, N. J.

BEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2¼-in. pots, $12.00 per 100; $110.00 per 1000. Bay and Box Trees, in all sizes, pyramid and standards. Write for list. Orchids, largest stock in the country. Ask for prices. Julius Roehrs Company, Rutherford, N. J.

CALIFORNIA PRIVET. Great Bargain. 5 to 7 ft., $4.00 per 100, $36.00 per 1000. 4 to 6 ft., $3.50 per 100, $30.00 per 1000. 3 to 4 ft., $3.00 per 100, $25.00 per 1000. F.O.B. Greensboro, N. C. This is elegant 2-year stock all heavily branched and will give a close hedge at once. Geo. M. Todd, Greensboro, N. C.

LILY OF THE VALLEY PIPS
FOR PROMPT DELIVERY
"Exposition" Grade $30.00 per case of 2000
"Perfection" Grade.....$13.00 per 1000
"Hoisalia" Grade.....$30.00 per case of 2500
See our advertisement on page 3
JACKSON & PERKINS CO., Newark, N. Y.

NURSERY STOCK—Elm, 3-4 feet, $3.50 per 100; 4-5 feet, $6.00; 6-8 feet, $12.00; 8-10 feet, $18.00. Ash, 6-8 feet, $12.00 per 100; 8-10 feet, $18.00 per 100. Maple (Soft), 3-4 feet, $3.60 per 100; 4-5 feet, $5.00 6-8 feet, $10.00; 8-10 feet, $18.00. Catalpa, 4-5 feet, $5.00 per 100; 6-8 feet, $10.00. White Birch, 8-10 feet, $28.00 per 100; 10-12 feet, $35.00. Wild Black Cherry, 8-10 feet, $28.00 per 100. Silver Leaf Poplar, 6-8 feet, $15.00 per 100; 8-10 feet, $25.00. Nioba Weeping Willow, 6-8 feet, $35.00; 8-10 feet, $40.00. German Iris, strong divisions, $3.00 per 100. Chrysanthemum Uliginosum, $3.00 per 100. Rudbeckia, Golden Glow, $3.00 per 100. Asparagus, two kinds, 1 yr., $3.00 per 100; 2 yr., $3.60 per 100. Pæonies, mixed, 3-6 eye divisions, $5.00 per 100. Pæonies, white, 3-6 eye divisions, $7.00 per 100. Pæonies, pink, 3-6 eye divisions, $6.00 per 100. Packing extra. The Newburys, Mitchell, S. D.

SURPLUS BULBS—First-class stock. Paper White Grandiflora Narcissus, 90c. per 100, $8.00 per 1000. Emperor Narcissus, $1.00 per 100. Chinese Sacred Lilies, 75c. per packet (30). White Roman Hyacinths, $1.75 per 100; $15.00 per 1000. Named Hyacinths, first size, single and double, 60c. per doz.; second size, single and double, 40c. per doz. Bedding Hyacinths, separate colors, single and double, $2.75 per 100. Mixed Hyacinths, separate colors, single and double, $2.35 per 100. Mixed Hyacinths, Dutch Roman, $1.40 per 100. Tulips, single, mixed, 45c. per 100, $4.00 per 1000. Tulips, double, mixed, 50c. per 100, $4.50 per 1000. Tulips, double, Blanche Rosette, Lady Grandison, Yellow Rose, La Candeur, 60c. per 100. Tulips single, Cardinal's Hat, Chrysolora, La Reine, L'Immaculee, 60c. Tulips, Parrot, named varieties, 50c. per 100. Crocus, separate colors, 25c. Lilium Candidum, 50c. per doz. Freesia bulbs, Mammoth, 12c. per doz. f.o.b. Greensboro. Geo. M. Todd, Greensboro, N. C.

A Practical Guide to the Cultivation and propagation of hardy, greenhouse and tuberous-rooted plants, including lists of all the genera, species and varieties worth growing. Price, postpaid, $1.25. Address, FLORISTS' EXCHANGE, 2 to 8 Duane st., New York.

FOR SALE OR RENT

FOR SALE—Florist and seed business on Long Island, N. Y., near R. R. Station and car terminal. No opposition; town of 18,000 people. Rent cheap. Price of business, including horse and three wagons, $1000. Address, U. A., care of The Florists' Exchange.

For Sale

Store and Retail Business

A fully equipped and only store in town of 15,000 in New York State, the entire good will and an established business for more than 15 years. Business now $8,000 to $10,000 per year and can be much increased by a good, live man. On account of poor health am willing to sell at a sacrifice and $3000 will buy it. If you mean business, address,

C. B. F., Care The Florists' Exchange

For Sale

WESTERN NURSERY

Forty acres of deeded and 40 acres of leased land. Stock all salable size; clean and healthy; not a scale or bug. Trade has almost doubled each year. We ship 5 to 12 hundred miles west and north of us. Trade to be supplied unlimited. We have a complete general line of nursery stock. We do a strict catalog business. Are well advertised and have a good name.

Will sell for cash, or part cash and time on balance to a man that knows the business and is a pusher. This is a good sound investment and will pay a good dividend.

Address

NURSERYMAN,

Care of THE FLORISTS' EXCHANGE

Please mention the Exchange when writing.

SUNDRIES FOR SALE

FOR SALE—10 shares Growers' Cut Flower Company's stock, selling at $35.00. Address Henry Lustgarten, Manhasset, L. I.

FOR SALE—One 7-section Weathered boiler; headers and nipples must be replaced; otherwise in good condition. Price, $75.00, f. o. b. Manhasset, L. I. Address Henry Lustgarten, Manhasset, L. I.

FOR SALE—Three greenhouses at No. 416 Elm Street, Plttsfield, Mass. Glazed with 16x24 A double thick glass; heated with one large 8-section Furman boiler, 2-in. pipe. The drip bars and other material are all of Cypress—just like new. We will sell all or any part of same. Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

MISCELLANEOUS WANTS

WANTED TO LEASE—Store or greenhouse in good retail location. State particulars. Address Box 97, Jersey City, N. J.

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

PIPE FOR SALE

50,000 ft. 2-in. second-hand pipe, in lengths of 20 ft., with new threads and couplings, covered with a slight coat of rust. This material was used for but a short time in one of the tunnels in this city, and is in perfect condition; guaranteed free from holes or splits. Will dispose of the above, in 1000 ft. lots, for 6c. per ft., f.o.b. cars Brooklyn, N. Y.

We also carry in stock all sizes second-hand **Pipe and Boiler Tubes.**

EAGLE METAL & SUPPLY CO.
6 ROEBLING ST. BROOKYN, N. Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

FOR SALE

FLORISTS' ICE BOX 8 ft. x 8 ft., two upper doors, bevelled French mirrors, two lower doors, double thick glass, second-hand but in good condition, $35.00.

RADIATORS Steam, 1½c. per lb.; hot water, 2c. per lb. Guaranteed. All sizes in stock.

BOILERS The following new, round, portable hot-water boilers—guaranteed, 16-in., rated to heat 1,125 sq. ft. of glass, $34.00. 19-in., rated to heat 1,500 sq. ft. of glass, $46.00. 22-in., rated to heat 2,250 sq. ft. of glass, $64.00. 25-in., rated to heat 3,075 sq. ft. of glass, $90.00. No. 45, rated to heat 4,200 sq. ft. of glass, $118.00. No. 331, rated 6,975 sq. ft. of glass, $174.00. Get our prices on second-hand boilers. We have one of the largest stocks of new and second-hand round and sectional hot-water and steam boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5½c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

STOCKS AND DIES New and second-hand. About 50 sets of the following make: Economy, Genuine Adjustable. In sizes threading from ⅛-in. to 4-in. pipe.

PIPE VISES New and second-hand; gripping ⅛-in. to 4-in. pipe.

PIPE CUTTERS New and second-hand. Saunders pipe cutters and three wheel cutters. All sizes.

STILSON WRENCHES New and second-hand in all sizes, and flat chain wrenches, capacity up to 3-in.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft., 86c.; glazed complete $1.60 up. 175 new 1¼-in. sash, painted, glazed with four rows of 7x9 glass at $1.65. Also 1¼-in. new sash painted and glazed with three rows 10x12 double, at $1.80 each.

PANSY AND FLOWER BOXES. All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box. 8x10, 10x12 and 10x15 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

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Greenhouse Wreckers
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Please mention the Exchange when writing.

FOR SALE—400 boxes, double glass, 10x12 to 16x24; very cheap, to get rid of it on the ground; about 20,000 feet of 1-in. to 4-in. pipe, wrought and cast; about 10 sectional boilers (Furman); 1500 feet of ventilating apparatus; lot of wood material such as bars, etc. Inquire or write N. Tonback, Duncan's Greenhouses, Sparkill, N. Y., or 24 Avon Place, Newark, N. J.

We Pay The Freight on cut-flower and design boxes. See our price list on page 24, this issue. Prompt shipment our HOBBY.

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Box 200 : : : Castorland, N.Y.

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A WORKING handbook of every day practice for the Florist and Gardener, and those who intend to grow plants and flowers, in the greenhouse or garden, as a means of obtaining a livelihood. Each and every article is written in concise, simple language, and embodies wholly and solely the experience of the writer.

The plants dealt with comprise those which are commercially handled by Florists, Gardeners and Nurserymen, and include Florists' Flowers, Stove and Greenhouse Plants, Hardy Herbaceous Plants, Annuals, Shrubs, Hardy and Tender Vines and a chapter of General Directions, covering Propagation, Seeds, Grafting, Hybridization, etc.

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G. & F. Club of Boston

The regular December meeting of the Club was held in Horticultural Hall on Tuesday evening, with an attendance of over a hundred members. It was announced that the annual banquet would be held January 27, which is a more suitable time of the year than April, when it has formerly been held. Four new members were elected. On the exhibition tables was a fine collection of Geraniums from W. N. Craig, in speaking of which that gentleman said that the variety Emile Zola was the most satisfactory of all to grow. Peter Fisher exhibited a vase of Carnation May Day which was awarded a report of merit. Duncan Finlayson exhibited a lot of Calanthes, including the varieties rubra maculata, superba, vitata lutea maculata, Sandhurstiana and Veitchii. He was awarded a report of merit for superior cultivation of these flowers. E. Holmes of the Montrose Greenhouses exhibited a collection of Roses, including some 13 varieties. Prof. White of the Mass. Agricultural College gave a brief outline of the horticultural work at the College and invited the Club to hold another field day there. The matter of the laws of the State whereby the towns were assessing growers for their plants was the cause of considerable discussion by Messrs. Butterworth, Patten, Palmer and others, and it is likely that some action will be taken, as it seems as unfair to tax a florist for the plants in his greenhouses as it would be to tax a farmer for his crops out of doors.

As reported in our last issue, the following officers were elected to serve for 1910: President, John W. Duncan; vice-president, Peter M. Miller; secretary, W. N. Craig; treasurer, Edward Hatch; executive committee, J. P. A. Guerineau, W. E. Fischer, Thos. Pegler, and H. E. Fiske. H. U. B.

Massachusetts Horticultural Society

The Mass. Hort. Society announces its annual course of free lectures on topics of horticultural interest, for the season of 1910. The lectures will be held at Horticultural Hall, Boston, on Saturday mornings at eleven o'clock.

The program is as follows:

Jan. 8.—Plant Hunting in the Heart of China. Stereopticon Illustrations.—By E. H. Wilson, Arnold Arboretum, Jamaica Plain.

Jan. 15.—The Use of Water in Commercial Gardening.—By H. M. Howard, West Newton.

Jan. 22.—A Study of Continental Landscape Gardening. Stereopticon Illustrations.—By Albert D. Taylor, M. S. R., Ithaca, N. Y.

Jan. 29.—Apple Growing in New England as a Business. Stereopticon Illustrations.—By E. Cyrus Miller, Haydenville.

Feb. 5.—How New Races of Plants arise through Hybridization. — By Ezra Brainerd, Middlebury, Vt.

Feb. 12.—Some Practical Results of Investigations of Diseases of Trees on Structural Timber. Stereopticon Illustrations.—By Dr. Hermann von Schrenk, St. Louis, Mo. (The John Lewis Russell Lecture).

Feb. 19.—The New Agriculture and Its Significance to New England.—By G. C. Sevey, Editor New England Homestead, Springfield.

Feb. 26.—Exhibition of Plants, Flowers, Fruits and Vegetables.

March 5.—Horticulture as a Profession for Women.—By Miss Laura Blanchard Dawson, Jamaica Plain.

March 12.—Lilies in the Home Garden. Stereopticon Illustrations.—By E. S. Miller, Wading River, N. Y.

March 19.—The Dietetic Value of Fruit. —By Prof. Wm. R. Lazenby, State University, Columbus, O.

After the reading of papers opportunity will be afforded for full discussion of the subjects.

All are freely and cordially invited to attend. WM. P. RICH, Secretary.

New Jersey Floricultural Society

The New Jersey Floricultural Society of Orange, has elected the following officers for the ensuing year: President, Albert F. Larson; vice-president, Dietrick Kindsgrab; secretary, William Reid; treasurer, Walter Gray.

Mr. Larson is head gardener for A. B. Jenkins, of Llewellyn Park, West Orange, while Mr. Kindsgrab occupies a similar position on the estate of William Runkle. Mr. Reid is chief gardener for Sidney M. and Austen Colgate. Mr. Gray is a resident of Maplewood. These officers are prominent as floriculturists in New Jersey, and have won numerous prizes at various flower shows.

Elberon (N. J.) Hort. Society

The Society held a meeting on December 20, President Peter Murray in the chair. The usual business of the Society was attended to. Chas. C. Dewild had three seedling Carnations at the meeting, which scored as follows: White seedling, certificate of culture; red seedling, 73 points; Pink seedling, 76 points. Arthur T. Boddington of New York donated three medals to the Society, gold, silver and bronze, for a competition for points during the season. In the report of the last meeting a misstatement as to the date of the Carnation night was made. It will be held at the second meeting of next month, January 24.

ALEX. FLEMING, Rec. Sec.

Newport (R. I.) Horticultural Soc.

A regular meeting of the Society was held on Tuesday evening, December 28, with President James Robertson in the chair. Two candidates were presented by the executive committee for membership, and they were elected. The committee on banquet reported progress; the date originally set, January 18, has been changed to January 11, so that it will come on the night of a regular meeting. An effort was made to have arrangements changed so that ladies could be invited to the dinner, but the committee could not see their way clear to make the change, much as it was desired, owing to the lack of time. Another time the ladies will be included in the invitations. At the meeting W. E. Marshall of New York and John Beaton, representing R. & J. Farquhar of Boston, were present, the latter speaking on the advantage of the revised tariff in the case of the importation of bulbs, but he failed to see any advantage in case of the proposed parcel post.

A. MacL.

Monmouth Co. (N. J.) Hort. Soc.

The Monmouth Co. Horticultural Society held its regular meeting on Friday evening, December 17. In the absence of our president, Wm. Turner was selected chairman. Peter Murray of Elberon was elected a member of the Society. After the regular business was completed the Society went into the election of officers, with the following result: Wm. Dowlen, president; Geo. Davis, vice-president; H. A. Kittel, secretary; Percy Hicks, financial secretary; N. Butterbach, treasurer. Our new president, after taking the chair, selected his committees for 1910 as follows: Executive committee, Geo. R. Kuhn, Jas. Kennedy, Wm. Turner and W. W. Kennedy; exhibition committee, Wm. Turner, W. W. Kennedy, Geo. Davis, N. Butterbach, H. A. Kittel and Geo. Hale. Our annual dinner will take place somewhere around the middle of January; the dinner committee is as follows: N. Butterbach, chairman, H. A. Kittel, Wm. Turner, W. W. Kennedy, Jos. Riley, Geo. Hale, R. Applegate, J. R. Hance, P. Hicks and Geo. R. Kuhn. The Society in past years has always taken considerable interest in the annual festival, in fact it is one of our landmarks. All look forward to a pleasant and enjoyable time, and I am prepared to say that the committee will do all in their power to keep up the standard of excellence that has been in vogue in the past. W. T.

Minnesota State Florists' Assoc.

The regular monthly meeting was held at St. Paul, Tuesday, Dec. 14. There were 25 in attendance and a very interesting time was had. One new member was elected.

Pres. Wirth presented the matter of the guarantee fund for the next National Flower Show, and $500 was pledged, which amount will be offered by the Association.

Prof. Freeman of the State Agricultural school gave a very interesting and instructive talk on "Fungous Diseases of Plants," which elicited quite a good many questions and a lively discussion.

An entertainment committee was appointed to prepare for the annual ball to be held in Minneapolis.

Mr. Hawkins gave a brief report on the annual meeting of the Iowa State Hort. Society which he attended recently in Des Moines.

Mr. Wirth spoke of the annual meeting of the Minnesota Hort. Society, which met recently in Minneapolis and at which several of the florists read papers.

J. Christensen, supt. of Holm & Olson's greenhouses, exhibited some very fine Begonia Gloire de Lorraine and some promising sports therefrom named Gertrude and Agathea, also choice Cyclamen and Poinsettia plants. The Donaldson Co. exhibited Cyclamen. The Hiawatha Gardens had Begonias and Cyclamens. Will Bros. showed some very fine Carnations, Beacon, Rose Pink Enchantress and White Enchantress.

The next meeting will be held Jan. 17.

VERITAS.

AZALEAS IN BLOOM

AZALEA Indica, in bloom, for New Year, Mme. Petrich, Simon Mardner, Deutsche Perle, Vervaeneana, 75c., $1.00, $1.25.

Other varieties for Easter: Bernard Andrea alba and Niobe (double white); have only extra large plants of this variety, 16, 18, 20, 22 in., $1.00, $1.60, to $2.00 each. Mme. Van der Cruyssen, Simon Mardner, Vervaeneana, Deutsche Perle, Prof. Wolters, Helena Tellman, Apollo, Empress of India, Schreveriana and other well-known American varieties. Price, 50c., 75c., $1.00, $1.26, $1.50 to $2.00 each. We don't carry any cheap Azaleas, only first-class.

COCOS Weddeliana, 3-in., 12 to 15 in. high, 15c. to 18c.

ARECA lutescens, 5-in., 35c.

LATANIA Borbonica, 4-in., 20c.

NEPHROLEPIS Whitmani, N. Todeoides, 5-6½-6 in. pots, 35c., 40c. and 50c. each; 7-in., as big as a washtub, 75c. to $1.00 each. Two houses full. All pot grown.

ENTIA Forsteriana, 7-in. pots, single, 40-45-50 in. high, $2.00, $2.50 to $3.00; 6-in. pots, single, 25-30-35 in. high, $1.00, $1.25, $1.50 to $1.75.

KENTIA Belmoreana, 4-in., 25c.

PTERIS Victoriae, (Silver Fern). **P. Wimsetti**, 6-in. pans, 3 ferns in a pan, very attractive, 30c. per pan. **P. Wilsoni**, 3-in., 10c.; 6-in., 3 plants in a pan, 35c.

GODFREY ASCHMANN
1012 WONTARIO ST. PHILADELPHIA, PA.

Please mention the Exchange when writing.

ETOILE DE FRANCE

The **King Bee** of **Rich Red Hybrid Tea Garden Roses.** Superfine field stock, second size, **$5.00** per 100; first size, **$10.00** per 100.

Send for price list other sorts.

Teas, H.T's., P's.
Also **Young Roses.**

CALIFORNIA ROSE CO.
POMONA, CAL.

Please mention the Exchange when writing.

Begonia Rex

2-in. $3.00 per 100.

DRACAENA Indivisa, 4-in., $10.00 per 100.
PRIMULA Obconica, 2-in., $1.75 per 100.
VINCA, 3-in., $4.00 per 100.
ENGLISH IVY, R. C., $1.00 per 100.

FERNS

Scottii, 2½-in., 5c.; 3-in., 10c.; 4-in., 16c.; 6-in., 20c.; 6-in., 35c.
Boston, 2-in., 4c.; 3-in., 5c.; 4-in., 15c.; 5-in., 20c.
Piersoni, 4-in., 15c.; 5-in., 20c.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

Geraniums

S. A. Nutt, Buchner, La Favorite, Jean Viaud, John Doyle and finest **Mixed**, $2.00 per 100, $5.00 per 300, $16.50 per 1000.

Cinerarias, Primula Obconica, Asparagus Sprengeri, Ivy Geraniums, Double Petunias (Dreer's), $2.00 per 100, $5.00 per 300.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

VIOLET CULTURE

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.,
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MARY TOLMAN

Winner of First Prize at Milwaukee. Deep flesh pink, the most beautiful color of any in this class. Does not fade in the strongest light. An excellent, clean, upright grower, long, stiff stems and perfectly formed flowers. Will produce more perfect blooms in a season than Enchantress. We want your order for this excellent Carnation. Orders booked now for January, 1910, delivery

$12.00 per 100, $100.00 per 1000.

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SANGAMO

Brilliant glistening pink, brighter than Winsor or Winona

WINNER AT CHICAGO, ST. LOUIS AND MILWAUKEE FLOWER SHOWS

Perfectly formed flowers on long, stiff stems; calyx does not split. The most **PROLIFIC** Carnation grown to-day. Everybody pronounces it the best "bread-and-butter" Carnation they have ever seen growing.

Rooted Cuttings, ready Jan. 1st., **$12.00 per 100, $100.00 per 1000.**

CHICAGO CARNATION CO. JOLIET, ILL. A. C. BROWN SPRINGFIELD, ILL.

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CONQUEST

Light pink overlaid with deep rose. The most valuable and fancy Carnation on the market.

WINNER OF FIRST PRIZE WHEREVER SHOWN

Habit of Lawson; very free; stem long as Enchantress, and stiff; the flowers are large and well formed, making a good impression wherever shown, and can be used to good advantage in many different ways.

CHICAGO CARNATION CO.
A. T. PYFER, Mgr. JOLIET, ILL.

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WE ARE NOW BOOKING ORDERS FOR

ADMIRATION

One of the most promising Carnations we have seen.

Advance orders indicate that the sale of this variety will be heavy and also prove that level-headed Carnation growers realize the real worth of **Admiration.**

This is a strong-growing variety, with excellent stem, calyx and form of bloom. The color is the point above all most noticeable, and description of this cannot do it justice. It is a clear, lively, light pink which holds well and is always even, through the bright days as well as the dull. Flower is large and is an excellent keeper and shipper.

Place your order now and get early delivery. Our stock is healthy throughout. $12.00 per hundred. $100.00 per thousand.

THE CHAS. KNOPF FLORAL CO. RICHMOND, IND. S. J. REUTER & SON, Inc. WESTERLY, R. I.

Please mention the Exchange when writing.

Strong, Healthy, Well Rooted Cuttings, Now Ready

	100	1000		100	1000
GEORGIA, best white	$6.00	$50.00	WHITE ENCHANTRESS	$3.00	$25.00
HARVARD, crimson	4.00	35.00	WINSOR	2.50	20.00
FAUST, Christmas scarlet	3.00	25.00	BEACON	3.00	25.00
ENCHANTRESS	2.50	20.00	VICTORY	2.50	20.00
ROSE PINK ENCHANTRESS	2.50	20.00	BAY STATE	6.00	50.00
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Remember, we guarantee satisfaction.

Address all orders to

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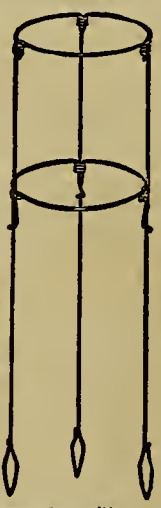

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Write for our prices and circulars.

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ROOTED CUTTINGS

	Per 100	1000
Perfection	$2.25	$20.00
Georgia	5.00	
Enchantress	2.00	15.00
Pink Delight	5.00	
Rose Enchantress	2.00	15.00
Winona	3.00	25.00
Afterglow	3.00	25.00
Winsor	2.00	15.00
Mrs. Patten	2.00	15.00
Harry Fenn	2.00	15.00
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Prices Advertised in these Columns are for THE TRADE ONLY

Carnations

ROOTED CUTTINGS

You will find my stock full value for money expended, and I want a trial order, no matter how small. Prices given on request. State how many you will want of each variety and when they are to be delivered It will pay you to write.

White Perfection, White Rose, Pink and Lawson Enchantress, Winona, Winsor, Lawson, Afterglow, Alvina, Beacon, O. P. Bassett and Harry Fenn.

ALBERT M. HERR, Lancaster, Pa.

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LUCILLE

The new carnation, that will bring you more dollars and cents than any other carnation. Try it. $12.00 per 100; $100.00 per 1000.

Write for circular.

A. F. LONGREN, Des Plaines, Ill.

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Rooted Cuttings

Mrs. C. W. Ward, $12.00 per 100, $100.00 per 1000.
Alma Ward, $15.00 per 100, $125.00 per 1000.
Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett, $6.00 per 100, $50.00 per 1000.
White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink, Enchantress and Harlowarden, $3.50 per 100, $30.00 per 1000.
New crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons, at 25c. and $1.00 per package.

CHAS. H. TOTTY
MADISON, N. J.

Please mention the Exchange when writing.

Carnations

Field grown, stored in cold house. Mrs. Patten, Variegated Lawson, Enchantress, Rose Pink Enchantress, Winsor, Beacon, Pink Imperial and Lady Bountiful, $5.00 per 100. Cash with order.

S. G. BENJAMIN, Fishkill, N. Y.

Please mention the Exchange when writing.

A new Carnation Seedling of wonderful merit will be offered to the Florists' Trade in February, 1910. Orders booked now. This Carnation,

"The Constant"

Grown by Wm. Bester, of Hagerstown, Md. Color between Rose-pink and Winsor. Produces long stems and large blooms from October to June. Free of any disease and no cropper. Calyx perfect. Blooms keep in good condition ten days. This Carnation grown and tested by Mr. Bester for three years and all points guaranteed. The original seedling produced under the most scientific cultural conditions, and will supersede the Lawson. Price for Strong Cuttings, only $10.00 per 100, $90.00 per 1000.

C. S. FORD, Box 4515, WEST PARK PHILADELPHIA, PA.

Established 1881. Florists' Supplies, Novelties, etc.

Tioga branch conducted by A. M. FORD, Tioga, Philadelphia, Pa. Also representing A. HERMANN, Florists' Supplies and Metal Designs, 404-412 East 34th st., New York, and others.

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CINERARIAS

Dwarf hybrid, large flowering, finest shades and colors, strong, stocky plants, 2-in., $1.50 per 100; 3-in., ready for shift, $2.50 per 100.

E. VAN BENTHUYSEN,
R. F. D. No. 6 SCHENECTADY, N. Y.

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SHASTA

"SEEING IS BELIEVING"

THEREFORE we ask everyone interested in carnations to come and see our new **white carnation, SHASTA,** growing. Plants benched early in August are in full crop now, carrying from 10 to 20 buds per plant. Have been cutting good blooms since September 15th. As a money-making carnation it has no equal. And the quality is right too. Scored 85 points at Indianapolis, April 11th, 1908; 85 points, Indianapolis, January 12th, 1909; 89 points A. C. S. at Indianapolis, January 27-28, 1909. Travelled to Boston, Mass., and scored 87 points in February, 1909. 89 points at Springfield, Ill., in March, 1909. Never scored less than 85 points. You can see it growing at either Indianapolis or Tewksbury. Always ready for inspection.

We are booking orders now for January delivery at **$12.00** per 100, **$100.00** per 1000.

PATTEN & COMPANY TEWKSBURY, MASS. **BAUR & SMITH** INDIANAPOLIS, IND.

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JUANITA

A Good Scarlet Carnation

Calyx never bursting—color bright—stem very strong—a steady bloomer—and a large flower.

Come and see it as often as you like.

Rooted Cuttings, $10.00 per 100; $80.00 per 1000; $300.00 per 5000.

THE FILLOW FLOWER CO., FLORISTS, Westport, Conn.

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS
From 3-in. pots, $5.00 per 100; from 2¼-in. pots, $3.00 per 100.

POINSETTIAS
Fine for Xmas. 3 in. pots, $1.50 per doz., $12.00 per 100.

ASPARAGUS SPRENGERI
From 3-in. pots, $5.00 per 100.

DRACAENA INDIVISA
4-in., $12.00 per 100; 3-in., $8.00 per 100.

MISCELLANEOUS

ABUTILON Savitzi. 2¼-in. pots, $4.00 per 100.

AMPELOPSIS Veitchii. Pot grown, $3.00 per 100.

ACHYRANTHES. Best varieties, $1.00 per 100, $8.00 per 1000.

AGERATUM. Blue and white, $1.00 per 100, $8.00 per 1000.

COLEUS. Bedding and fancy varieties, $1.00 per 100, $8.00 per 1000.

CUPHEA platycentra. $1.25 per 100.

BEGONIA Erfordi. Pink and white, $2.00 per 100; Crimson Bedder, $2.00 per 100.

FEVERFEW, The Gem. $1.50 per 100, $12.00 per 1000.

FUCHSIAS. Double and single, $2.00 per 100.

GERANIUMS, Double and single, $1.50 per 100; $14.00 per 1000.

GERANIUMS, Ivy-leaved, 2¼-in. pots, $3.00 per 100.

GERMAN IVY. $1.50 per 100.

HELIOTROPE. 8 best varieties, $1.25 per 100.

LANTANAS, 2¼-in. pots, $3.00 per 100.

LOBELIA. New double blue, $2.00 per 100.

MOONFLOWER (True). White, $2.00 per 100; $16.00 per 1000.

SALVIA. New varieties, $1.50 per 100; $12.00 per 1000. Splendens and Clara Bedman, $1.25 per 100; $10.00 per 1000.

VEBENAS. Mammoth set, unsurpassed, $1.00 per 100; $8.00 per 1000.

WOOD BROTHERS, FISHKILL, NEW YORK

Please mention the Exchange when writing.

Bay Trees, Box Trees, Evergreens, Palms, Crotons and Stove Plants

Ferns, Aspidistras, Araucarias,
PHOENIX CANARIENSIS

Large Oleanders and many other plants

JULIUS ROEHRS CO.
RUTHERFORD, N. J.

Please mention the Exchange when writing.

Pittsburg

The Christmas Market

Christmas trade was hardly up to expectations with most of the dealers; better results were looked for as the times seemed to be improving the last few months. The uncertainty of the holiday trade is becoming worse each year; high prices seem to be the main cause, and the poor quality of stock some people get for the prices paid is an effectual reason why they quit buying flowers at the holidays.

In the cut flower trade there was enough stock for the demand and some over, and plants were abundant, not selling as well as was expected; a good few were left over. The quality of cut flowers was fair, but there was evidence of some salted stock in Carnations which were handled and sold, and certainly did not give great satisfaction to the people who received them.

Roses were not in such great demand; prices at retail from $5 per doz. up for general sorts; American Beauty retailed from $12 up per doz. Carnations were plentiful and the main blooms handled, selling from 6c. up, wholesale, retailing from $1.50 up per doz. Poinsettias sold well in limited quantities, the best brought $1 each, retail. Violets were sold at $2 per 50, retail, and not in such great demand as usual. Good Paper White Narcissus sold readily at $1 per doz., and cost from 3c. to 4c.

Roman Hyacinths and Valley were little asked for. A few 'Mums were to be seen of poor quality.

In plants trade was fair; Poinsettias, Azaleas, Cyclamens, Lorraine Begonias, Primulas, Crotons and Ferns were most called for. Pans of Poinsettias were about the best sellers and Lorraine Begonias about the poorest. The latter plant is less wanted each year; it is hard to handle safely, is easily affected by cold, and very few people can keep the plants in fair condition when they receive them.

Cyclamen is another plant which is losing prestige with the customers. Tulips in pans sold well; 7 bulbs to a plant brought $1, making this a profitable plant to handle for the grower and dealer.

The Christmas greens market was over done this year, which was rather looked for, as last year there was a scarcity and high prices were paid; this induced many to enter the field, particularly in Christmas trees, and the consequence was an overstocked market with carloads left unsold. Other greens, such as Laurel, Ground Pine and Boxwood wreathing sold well, Holly, loose, and wreaths, sold well as usual; Holly is the best selling green on the market and the most profitable if of good quality. Sheet Moss was in fair demand; the supply was good. Mistletoe was mighty scarce, an unusual occurrence.

It has been quite a few years since we have had such a cold spell of wintry weather at Christmas, and for the past few weeks or more, the thermometer was not above the freezing point except for a day or two at the utmost. It required much work for the florist and grower to handle plants and cut blooms properly, to keep them from being frozen, and a good many were hurt enough, if not frozen, as to be unsalable. The cold weather had undoubtedly some effect on trade in plants and cut flowers; particularly noticeable were the few orders for flowers for decorating graves in the cemeteries and not quite so many were used in the churches. Funeral work was a factor after the holidays, several good orders being executed by several of the florists.

Prices after the Christmas holiday still hold up well and will not likely change very much until after New Year's trade is over.

Club Meeting

The next meeting of the Florists' Club, the first one in the new year, takes place Tuesday, Jan. 4, at the Fort Pitt Hotel. The subject will be Roses, and some good blooms will be exhibited. Nomination of officers for the coming year is also in order. All the committees who have charge of the American Carnation Society's meeting, end of January, will report. All those who have promised to contribute to the fund for the entertainment of the American Carnation Society's members should send in the amount of their contribution, without delay, to E. C. Reineman, chairman, 1145 North Negley ave., City, as it is very important for the Finance Committee to know, soon, how much money will be available so that the various committees can make proper arrangement in good time. E. C. REINEMAN.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable. A fine lot of well budded plants, 5 colors, including Fimbriatum, from 4-in. pots, $16.00; from 6-in. pots, $20.00 per 100; August Seedlings, twice transplanted from flats, first-class stock, $3.00 per 100, $25.00 per 1000.

GERANIUMS

Alp. Ricard, John Doyle, Castellane, S. A. Nutt, Beaute Poitevine, E. O. Hill, Mme. Landry, Jean Viaud, Mme. Thibaut, La Favorite, strong plants, separate or equal mixed, 2½-in. pots, $2.50 per 100; $22.00 per 1000.

CANNAS

Alphonse Bouvier, Chas. Henderson, Chicago, Mme. Crozy, Pape, Pres. McKinley, Florence Vaughan, J. D. Cabos, Egandale, strong tubers, $1.75 per 100, $15.00 per 1000. Satisfaction Guaranteed.

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A Few Good Things You Want

BEGONIA Rex, 2-in., $5.00 per 100.
ASPARAGUS plumosus, 2-in., $3.00 per 100; 3-in., $6.00 per 100. Cut sprays, 15c. per bunch.
ASPARAGUS Sprengeri, 3-in., $5.00 per 100.
GERANIUMS, Natt, Doyle, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100. Mme. Sallerol, 2-in., $3.00 per 100.
FERNS. Whitmani, 4-in., 25c. each. Boston, 4-in., 15c. each; 5-in., 25c. each.
CYCAS PALMS, 4 to 5 leaves, $1.00, $1.50 and $2.00.
VINCA Var., 2-in., $2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

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PETUNIA DOUBLE

10 kinds, 2 in., 2c.

Snapdragon, (Giants) 2-in. 2c., $18.00 per 1000. Giant white, pink, scarlet and white, large seedlings, as good as 2-in., $1.00 per 100.

Asparagus Plumosus Nanus, 2-in. 2c. Smilax, 2-in., $1.25 per 100. Amerpohli Fern, bench, 3-in., 10c., 4-in. 15c.

Paris Daisy, (Yellow), 2-in., $1.50 per 100. Rex Begonia, 2-in., 6c. Abutilons, 3 kinds, 2-in., 2½c. Lantana, asstd., 2-in., 2c.

PRIMULA

Primula Obconica G. alba, Rosea, Giant, 2-in., 2c.

Heliotrope, 2-in., $1.50 per 100. Cuphea, 2-in., 1½c.

Rooted Cuttings, prepaid per 100. Heliotrope, $1.00; Fuchsia, 8 kinds, $1.00; Paris Daisy, yellow, white, $1.00; Cuphea, 75c. Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, 3 kinds, 50c.; Ageratum, 3 kinds, 60c.; Swainsona alba, $1.00; Dbl. Petunias, 10 kinds, $1.00.

Flowering Begonia, 8 kinds, $1.25; Salvia, 90c. Cash with order.

BYER BROS., Chambersburg, Pa.

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Wholesale Trade List

ASPARAGUS Sprengeri, 2½-in. pots, $2.00 per 100.

ASPARAGUS Plumosus, 3-in. pots, $6.00 per 100.

CLEMATIS Paniculata, from open ground, $10.00 per 100.

DRACAENA Indivisa, fine plants, 5-in. pots, $3.00 per doz.

DRACAENA Indivisa, 4-in. pots, ready for 5-in., $10.00 per 100.

FERNS, Boston and Scottii, 4-in. pots, $2.00 per doz.

FERNS, assorted varieties, 2½-in. pots, $3.00 per 100.

SMILAX, 3-in. pots, $4.00 per doz.

PERIWINKLE, variegated, grown in 4½-in. pots, $8.00 per 100.

DAISIES, Yellow and White, 2½-in. pots, $2.00 per 100.

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Cut Flowers at Wholesale
J. J. COAN, Manager Consignments Solicited
30 West 28th Street, Telephone 6237 Madison Square NEW YORK
Please mention the Exchange when writing.

NEW YORK.—The cut flower business for the Christmas holiday was somewhat disappointing. Immense shipments of all kinds of stock poured in, and early on Friday the results of an over-estimated demand were apparent. Roses and Carnations were the heaviest of arrivals and efforts to secure high prices on these flowers were frustrated by the lack of interest on the part of the retailers.

Weather conditions for the entire week preceding the holiday were well nigh perfect. It was, however, purely a plant Christmas, and as there was but little or no shipping of cut flowers done from the wholesale houses, the local demand was the only outlet for the quantities of flowers received. Very little speculation was indulged in by the retailers, as they sought to profit by experience gained in former years, and only bought such material as was practically ordered. The demand for medium priced goods was strong, but so much of this class was received that a great deal was left over.

American Beauty Roses reached $1.25 each for top grades, while a larger number went at the dollar mark, which was apparently more general. Plenty of these Roses were on hand, and sales were made to suit all conditions. A mistake was certainly made by the growers in holding back so much material, as considerable of it could have been used to better advantage earlier in the week, when prices equalling those of Friday prevailed. This applies particularly to Tea Roses and Carnations. The quantities of Killarney and My Maryland were beyond all expectations, and prices for these varied according to quality. 25c. for top grades was general, while medium grades ranged from 10c. to 20c. Richmond was popular, some sales reaching 35c., others averaging 20c. A better clean-up was made of this variety than any other. Bride and Bridesmaid were a secondary consideration, the best grades averaging 15c., while medium and smaller grades ranged from 4c. up.

Carnations, except red sorts, were in endless supply, the majority of sales being made near the $6 mark, notably for Enchantress; sales of selected stock reached $10. White varieties were very plentiful and moved slowly at $4, and $5. Red varieties were sold at from $8 to $15, according to quality. Quite a few flowers looked sleepy after being received and these could not be disposed of at any price. A few Chrysanthemums were seen, but no special demand for them was noticeable, $2 to $2.50 per doz. was the asking price. Easter Lilies were plentiful and averaged $12.50 per 100; a few sales were made at $15. Lily of the Valley moved slowly, and plenty was obtainable at low figures, $2 to $5 being the general run of prices.

Cattleyas and other Orchids did not reach as high a figure as was looked for, shipments of them being heavier than the demand called for. 60c. to 75c was the range of prices for the bulk of arrivals.

Violets moved well, the prevailing figure being $1.25 per 100. Some special lots of top grade flowers sold for $1.50. A few shipments arrived slightly frozen. A fairly good clean up was made although late arrivals on Christmas morning were held over.

Mignonette, Daisies, Pansies, etc., helped in the general sales, more for use as mixed flowers than for any individual value.

Callas were not called for and many remained unsold, as they are not Christmas flowers. Narcissus was very plentiful and much stock was left over; receipts were heavier than in any former year, and prices ranged from $1.50 to $2.50 per 100. Asparagus and other greenery was also plentiful. A few single Daffodils were seen, as also some Yellow Prince and Artus Tulips, but they were too short stemmed for real value to be given them. Poinsettias were in good demand and ranged from $2 to $4 per doz. Gardenias were a poor feature, and did not realize the prices expected.

Since the holidays, business has been very dull. Cut flowers of all kinds are over-abundant. American Beauty Roses are hard to dispose of at 60c. each, while Tea Roses of all kinds have experienced a fall in price. Good Roses are offered at 8c. to 10c., but as no business is being done they remain unsold. Bride and Bridesmaid are particularly hard to dispose of. Carnations range from $3 to $6 for standard grades and plenty are on hand for all purposes. The supply of Orchids of all kinds has over-topped the demand, and sales of Cattleya Trianæ cannot be made at 50c. to 60c., while C. Percivaliana has been sold, in large lots, for less than 25c. each. Cypripediums are held at $12.50 to $15 per 100 and the supply is just about equal to retailers wants. Lily of the Valley is somewhat of a glut; special grades are begging for buyers at $4 per 100. The outlook for a good business for New Years is not very bright, except perhaps for Violets which are firm at $1.25. Sweet Peas, Mignonette, Stevia and Narcissus are all in heavy supply. Daffodils and Yellow Tulips are seen more frequently but are not meeting with any special demand at present.

PHILADELPHIA.—The unprecedented snowstorm which arrived on Christmas day seriously interfered with the cut flower business the early part of the week. Arrivals fell off almost completely and but for the amount of stock left over from the holidays considerable trade would have been lost. As it was, the arrival and departure of trains was so uncertain that the express companies refused to accept shipments for delivery, necessitating the dispatching of special messengers to distant points with important orders.

A shortage in all lines existed on Monday, but it was not felt very heavily, owing no doubt to the general falling off of business since the holidays. Prices on some lines remain about the same as at Xmas, although white Roses and Carnations are still very plentiful and hard to dispose of. Market conditions up to Tuesday a.m., at which time a few small shipments by messenger were received, were as follows: American Beauty Roses averaged 60c. for best grades, and were not in heavy demand. Tea Roses of all grades, except white, brought $4 to $15, quality determining price. White Roses could be had at practically any figure. Carnations were in fair demand, enough being left over from late holiday receipts for supply, and prices ranged from $3 to $5. Enchantress was popular at the $4 figure. Orchids were plentiful and averaged 60c. each on what few sales were made. Lily of the Valley was not in very heavy demand, and stock was plentiful, prices remaining about $2 to $5, according to grade. Easter Lilies were scarce, and more could be disposed of at $12 to $15 per 100. Mignonette, Stevia, Pansies and Daffodils were meeting with some popularity where boxes of mixed flowers were wanted, prices varying according to demand. Narcissus was plentiful and was disposed of at $2 to $3 per 100, less for larger quantities. Violets were sold out, sales reaching $1.25 per 100. Yellow Daisies were popular at $2 to $3 per 100 blooms.

BOSTON.—Christmas trade was up to expectations and all kinds of flowers sold well. While prices of some flowers may not have been so high as sometimes seen yet they were very satisfactory and the volume of business done was considerably larger than that of last year. As a rule there was plenty of all kinds of flowers, American Beauty Roses being perhaps most scarce. Richmond Roses were the most popular, the best blooms readily bringing $4 per doz.; other Roses varied much in price according to stem and flower. Carnations sold well, there was little surplus and prices ran anywhere from $3 to $8. Scarlets and other colored flowers were the best sellers. Violets sold well at $1 and $1.50; there was no scarcity. There was a good demand for Orchids, and Poinsettias were easily moved, prices ranging from $3 to $5 per doz. Lily of the Valley was steady. Business has been fairly good this week considering the fact that we are in the midst of the worst snowstorm seen here for a number of years; indeed, it is a long time since telephonic and telegraphic communication has been so much crippled here as it now is. Of course prices have fallen, but they are still very satisfactory. Carnations readily bring $3 and $4, while Roses run from $8 to $16 for the better grades. Violets still remain at $1 and other flowers have dropped proportionately. The Evergreen trade was good and showed a marked improvement over last year. H. U. B.

CHICAGO.—As is usual after Christmas, all stock has taken a decided drop and prices are almost back to the quotations of two weeks ago. The market is greatly affected by the weather as with such stormy days, snowing almost incessantly since last Friday, the demand for stock is not nearly so great. The Christmas business was about up to the standard. There was not the demand, for flowers as was anticipated, which fact is attributed to the severe storms. Roses in all sorts were easily disposed of with the exception of long stemmed American Beauty and Killarney, which dragged on account of price. At this writing extra long stemmed American Beauty are selling at $6 to $8 per dozen, while the other grades range all the way down to the shorts at 75c. per doz. Richmond and pink and white Killarney, extra fine, are bringing $15 per 100, with medium grades, $7 to $8 per 100. Bride, Bridesmaid and Perle, extra stock, are bringing $10 to $12 per 100, with shorts at $4 and $5.

Carnations have taken a tumble, and while a few flowers are demanding a somewhat fancy price plenty may be had at as low as $1.50 per 100, with red stock in the ascendency.

Lilies have been scarce, and more could have been disposed of if obtainable. Prices are steady at $2 and $2.50 per dozen. Lily of the Valley has also been very scarce, and there has been no difficulty in disposing of all on the market at $4 and $5 per 100. Sweet Peas are not at all plentiful, and meet with a fair demand.

Orchids of all sorts meet a ready sale, the stock available not being sufficient for the demand. Gardenias also sell readily. Violets were a disappointment for the holiday, not nearly the amount being used as in previous years. Mignonette, Stevia, Paper White Narcissus and Snapdragon are hard to clear.

The trade is looking for a good New Year business, if the weather is fine.

ST. LOUIS.—From all reports this Christmas can be classed as the best in years.

The commission men say they are away ahead of their sales of last year and prices were higher than ever the day before Christmas. First class American Beauty Roses brought $12 per doz. and were not any too plentiful; shorter stock had a better demand than any of the other grades.

In Roses, Bride, Bridesmaid, Richmond and Killarney, both white and pink, sold well and as high as $15 to $20 per 100 for choice; red Roses were very scarce. Carnations held up in price, as high as $8 per 100 was asked for some of the fancies. These were plentiful but the price soon dropped as low as $4 when consignments kept coming in; where the demand was great the supply was greater. Violets sold better and higher than ever; best California brought as high as $4 per 100; others from $2.50 to $3 per 100; doubles from $3 to $4 per 100; these sold clean.

Bulbous stock was, as usual, very plentiful. Roman Hyacinths brought $3; Paper White Narcissus, $4; Lily of the Valley, $5; Callas and Harrisii, $15 to $25; Poinsettias, $25 per 100 for the fancies. Smilax and other greens sold well.

All kinds of Christmas greens sold well; bouquet greens were scarce; Holly and Mistletoe were fine and plentiful, at prices as usual.

The demand for blooming plants, such as Cyclamens, Poinsettias, Lorraine Begonias, Azaleas and other plants, was better than ever. The weather was cold and we had plenty of snow, and plant deliveries needed a lot of wrapping, causing extra work.

For New Year's all flowers will be in plenty, and more will be used, as open houses will need quite a lot for decorating purposes. ST. PATRICK.

New York

A meeting of the board of directors of the New York Cut Flower Exchange will be held at the usual place on January 8, at 3 p.m.

The snow storm which commenced in this city on Christmas morning caused considerable inconvenience to many shippers, and arrivals of cut flowers were unavoidably late on Monday, but orders were filled from late Christmas shipments, enabling the commission men to make a better clean-up on some lines than would have otherwise been possible.

The next meeting of the New York Florists' Club will be held on Monday, Jan. 10, when the new officers will be installed.

For the holidays Thorley opened an annex on Fifth Ave., a few doors below his House of Flowers, which enabled him to take better care of his immense Christmas trade.

Jos. Leikens had an exceptional holiday trade in made-up baskets and decorated pot plants. White Lilac plants were a feature of his offerings.

The Greater New York Florists' Association of Brooklyn, report business as exceptionally good. All kinds of flowers were handled through the holiday season to good advantage.

The attractiveness of the store of Robt. Wilson, Brooklyn, evoked much comment. His display of gilt baskets and hampers presenting many tasty effects, was evidently approved by his customers, judging by the way they went off. Azaleas, Poinsettias in pans, Ericas, Cyclamens, and other popular plants proved winners in the general demand.

Edw. Schmidt of Brooklyn, handled a fine grade of imported English Mistletoe. Church orders played a prominent part in his Christmas work.

Chas. Weiss, the grower of Melrose, in the Bronx, recently purchased the property, greenhouses and stock of the Weimar Floral Co., Mt. Vernon, N. Y. This acquisition with his nine greenhouses at Melrose will enable Mr. Weiss to better meet the requirements of his large retail trade. Both establishments will be conducted under the firm name of Charles Weiss & Sons.

The Old Reliable Florist Store, Court st., Brooklyn, established in 1869, the proprietors of which now are Fitzsimmons & Rooney, did a good business, in,

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57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, December 28th, 1909

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	50.00 to 60.00
" extra	30.00 to 50.00
" No. 1	15.00 to 25.00
" No. 2	8.00 to 15.00
" No. 3	4.00 to 8.00
Killarney	4.00 to 12.00
White Killarney	4.00 to 12.00
My Maryland	4.00 to 12.00
Richmond	4.00 to 16.00
Mms. Abel Chatenay	4.00 to 12.00
Golden Gate	4.00 to 10.00
Bride, Maid, fancy—spec.	8.00 to 10.00
" extra	6.00 to 8.00
" No. 1	3.00 to 6.00
" No. 2	2.00 to 3.00
Adiantum	.50 to 1.00
Croweanum	.... to 1.25
Antirrhinum (per bunch)	.50 to 1.50
Asparagus, cut strings	25.00 to 50.00
Plumosus, bunches	15.00 to 30.00
Sprengeri, bunches	15.00 to 30.00
Bouvardia	2.00 to 3.00
Callas	6.00 to 10.00
Chrysanthemums, Ordinary	.... to ....
" Fancy	.... to ....
Daffodils	3.00 to 6.00
Daisies	.... to ....
Ferns, hardy	.35 to .50
Galax, green and bronze	.50 to .75
	.... to ....

CARNATIONS—	
Inferior grades, all colors	1.50 to 2.00
Standard Varieties: White	3.00 to 4.00
Standard Varieties: Pinks	3.00 to 4.00
Standard Varieties: Red	3.00 to 4.00
Standard Varieties: Yel. & Var.	3.00 to 4.00
Fancy (The highest grades of Sta'd varieties): White	4.00 to 6.00
*Fancy: Pinks	4.00 to 6.00
*Fancy: Red	4.00 to 6.00
*Fancy: Yel. & Var.	4.00 to 6.00
Novelties	4.00 to 8.00
Gardenias, per doz.	1.50 to 4.00
Lilac	.... to ....
Lilies, Harrisii and Longi.	8.00 to 12.50
Lily of the Valley	2.00 to 5.00
Mignonette, per doz.	.50 to 1.00
Narcissus	1.00 to 2.00
Orchids, Cattleyas	40.00 to 60.00
Cypripediums	10.00 to 15.00
Dendrobium Formosum	30.00 to 40.00
Pansies, per doz. bunches	.... to .76
Poinsettias per doz.	1.00 to 4.00
Roman Hyacinths	1.00 to 2.00
Smilax (per doz. strings)	1.00 to 1.60
Stevia, per bunch	.15 to .25
Sweet Peas, per doz. bun.	1.00 to 2.00
Tulips	.... to ....
Violets, single	.50 to .75
" double	1.00 to 1.50
	.... to ....

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potted plants Christmas week. During the dull Summer season, extensive improvements were made in the show house, consisting of concrete side walls, stone walks, painting, etc., and the house is now in fine shape. Several Orchids are seen in this show house, which were received direct from South America; they are growing on the original limbs of trees as when found.

Philips Bros. of Newark, N. J., report a Christmas business far beyond their expectations. Funeral orders on Christmas day kept all hands busy until very late.

Potted shrubs in bloom have made their appearance in several of the prominent retail stores. J. H. Small & Sons this week had a fine display of Apple branches in bloom in their windows.

Wm. H. Siebrecht of Astoria is cutting Daffodils and yellow Tulips; and red Tulips have made their appearance at the store of the Growers' Cut Flower Co., although of very short stem.

For the past few days "tree doctors" have been busy with operations on the Buttonwood trees in Old Trinity churchyard, cleaning out dead wood and filling up holes with cement, and using tar oil poultices for worm ravages. The work is watched by an admiring throng of people, many of whom have come to look upon the old trees as friends.

Fires

LIMA, O.—At 10 o'clock Monday evening, Dec. 20, fire broke out in the boiler room which is located in the rear of the establishment of E. N. Zetlitz. Owing to the holiday season Mr. Zetlitz had a large stock of Holly and Mistletoe in the storage room, as well as a stock of cut flowers. The flames spread to the storage room, and together with the boiler room, it was gutted. The fire department responded quickly, and within a half hour had the flames under control. The damage done to the plants is estimated at about $2000, and to the buildings, $800. The buildings were covered by insurance, and carpenters are at work now rebuilding the damaged portions.

Hampton, Va.

I am sorry to report that we had a disastrous fire on Saturday, Dec. 17, house and contents burned to the ground. All my named and numbered varieties of Gladioli were stored in one end; we saved a great part of them, but I am sure we have lost a great many varieties; will not know for sure just what are lost, until we can go through them. We have received much sympathy from the people in the vicinity, who have acted in a very noble manner toward us.

GEO. BURCHETT.

Baltimore

Large quantities of cut flowers and plants were disposed of up to Dec. 25, Christmas Day, when the great snow storm broke loose which contributed much toward the slackening of business, as it prevented shoppers from visiting the stores. The 'phones, however, were working overtime and considerable business was done in that way. Prices were as good as last year.

The Club meeting today, Dec. 27, was poorly attended, mainly on account of the weather, the snow being eight inches in depth and street as well as railroad travel anything but satisfactory. The members expressed their sorrow at the death of W. K. Harris of Philadelphia. Mr. Harris will ever be remembered by his Baltimore friends as the foremost of the old school, with a sterling character unsurpassed by any. The Club adopted resolutions on his death, the same to be forwarded to the Philadelphia Florists' Club and through them to the family.

CHAS. L. SEYBOLD.

The Social Season of 1910

Will be shorter this year than for several years.
Our Growers will be in the very best of shape with splendid crops for the next five or six weeks, particularly strong on

	Special Doz.	Fancy Doz.	Extra Doz.	1st Doz.	2nd Doz.	3rd Doz.
GARDENIAS	$6.00	$5.00		$4.00		
Beauties	9.00	7.50	$6.00	4.00	$3.00	$1.50
	100	100	100	100	100	
Maryland	25.00	20.00	12.00	10.00	6.00	
2 Killarneys	25.00	20.00	12.00	10.00	6.00	
Richmonds	25.00	20 00	12.00	10.00	6.00	
Valley	5.00		4.00	3.00		

Cattleyas, Doz. $10.00, 100 $75.00.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of PHILADELPHIA and WASHINGTON

1608 to 1620 Ludlow St., Philadelphia, Pa. — **1212 New York Ave., Washington, D. C.**

Stores close at 6 P. M.

Please mention the Exchange when writing.

Headquarters in Western New York

For Roses, Carnations,
And all kinds of Seasonable Flowers

WM. F. KASTING CO.
Wholesale Commission Florists
Dealers in Florists' Supplies and Wire designs
383-87 Ellicott St., BUFFALO, N.Y.
Give us a trial—We can please you

Please mention the Exchange when writing.

EDWARD REID
Wholesale Florist
Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias
All other seasonable flowers
1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Dec. 27, 1909	Buffalo Dec. 29, 1909	NAMES AND VARIETIES	Phil'delphia Dec. 27, 1909	St. Louis Dec. 27, 1909
40.00 to 50.00	60.00 to 75.00	**Roses**—A. Beauty, fancy—special	60.00 to 70.00	50.00 to 75.00
25.00 to 35.00	..... to 40.00	" extra	40.00 to 60.00	20.00 to 40.00
15.00 to 25.00	16.00 to 24.00	" No. 1	20.00 to 30.00	10.00 to 15.00
10.00 to 12.50	4.00 to 5.00	" No. 2	6.00 to 15.00	6.00 to 8.00
6.00 to 10.00	5.00 to 25.00	Killarney	5.00 to 20.00	6.00 to 15.00
6.00 to 10.00	..... to	White Killarney	..... to	..... to .....
5.00 to 10.00	10.00 to 25.00	My Maryland	5.00 to 20.00	6.00 to 15.00
4 00 to 10.00	10.00 to 25.00	Richmond	6.00 to 20.00	8.00 to 20.00
4 00 to 6.00	..... to	Perle	6.00 to 10.00	4.00 to 6.00
5 00 to 10.00	..... to	Golden Gate	5.00 to 10.00	..... to .....
..... to	4.00 to 8.00	K. A. Victoria	5.00 to 8 00	..... to .....
..... to 10.00	12.00 to 16 00	Bride, Maid, fancy—special	12.00 to 15.00	10.00 to 12.50
..... to 8.00	10.00 to 12.00	" extra	8.00 to 12.00	6 00 to 8.00
..... to 6.00	8.00 to 10.00	" No. 1	5.00 to 8.00	4.00 to 5.00
4.00 to 5.00	4.00 to 8.00	" No. 2	3.00 to 5.00	..... to .....
..... to 1.00	..... to	**Adiantum**	1.00 to 1.50	..... to 1.50
..... to	..... to	**Antirrhinum** (per bunch)	..... to	..... to .....
25.00 to 50.00	..... to	**Asparagus,** Plumosus, bunches	35.00 to 50.00	..... to .....
25.00 to 50.00	..... to	" Sprengeri, bunches	25.00 to 50.00	25.00 to 75.00
..... to	..... to	**Bouvardia**	2.00 to 3.00	..... to .....
12.50 to 15.00	12.00 to 15.00	**Callas**	10.00 to 15.00	12.50 to 15.00
..... to	..... to	**Chrysanthemums**	..... to	..... to .....
2.50 to 3.00	2.50 to 3 00	**Carnations**—Inferior grades, all colors	..... to 2.00	3.00 to 4.00
4.00 to 5.00	2.50 to 3.00	Standard Varieties: White	3.00 to 4 00	3.00 to 4.00
4.00 to 5.00	2.50 to 3.00	Standard Varieties: Pink	3.00 to 5.00	3.00 to 4.00
4.00 to 5.00	2.50 to 3.00	Standard Varieties: Red	3.00 to 5.00	3.00 to 4.00
4.00 to 5.00	2 50 to 3.00	Standard Varieties: Yellow and var	3.00 to 5.00	..... to .....
..... to 6 00	4.00 to 5.00	*Fancy (*The highest grades of Sta'd vars.): White	5.00 to 6.00	6.00 to 6.00
..... to 6.00	4.00 to 5.00	*Fancy: Pink	5.00 to 6.00	5.00 to 6.00
..... to 6.00	4.00 to 5 00	*Fancy: Red	6.00 to 8 00	5 00 to 8.00
..... to 6.00	4.00 to 6.00	*Fancy: Yellow and var	5.00 to 6.00	..... to .....
..... to	..... to	**Daffodils**	4.00 to 6 00	..... to .....
..... to	.75 to 1.50	**Daisies**	1.50 to 2 50	..... to .....
..... to .15	..... to .15	**Ferns,** hardy	..... to	..... to .....
..... to	..... to	**Freesia**	..... to	..... to .....
..... to .10	..... to .15	**Galax,** green and bronze	..... to	..... to .15
2.50 to 3.00	6.00 to 9.00	**Gardenias,** per doz.	3.00 to 5.00	..... to .....
..... to	..... to	**Lilac**	..... to	..... to .....
12.50 to 15.00	..... to 15 00	**Lilies,** Harrisii and Longi	12.00 to 18.00	15.00 to 18.00
4.00 to 5.00	4.00 to 5.00	**Lily of the Valley**	2.00 to 5.00	3.00 to 4.00
3.00 to 4.00	3.00 to 5.00	**Mignonette**	2.00 to 6.00	4.00 to 6.00
..... to 8.00	2.50 to 3.50	**Narcissus**	2.00 to 4.00	..... to 3.00
..... to	75.00 to 100.00	**Orchids**—Cattleyas	60.00 to 75.00	..... to .....
..... to	15.00 to 20.00	Cypripediums	12.00 to 15.00	..... to .....
..... to	..... to	Dendrobium Formosum	30.00 to 60 00	..... to .....
..... to	..... to	**Pansies,** per doz. bunches	.75 to 1.00	..... to .....
2.00 to 3.00	2.00 to 3.00	**Roman Hyacinths**	1.50 to 2.00	2.00 to 3.00
..... to 20.00	..... to 15.00	**Smilax,** (per doz strings)	12.50 to 15.00	12.50 to 15.00
.25 to .35	1.00 to 1.25	**Stevia,** per bunch	.15 to .25	1.00 to 2.00
1.00 to 1.50	.75 to 1.25	**Sweet Peas,** (per doz. bun.)	1.00 to 1.50	1.00 to 2.00
..... to	..... to	**Tulips**	..... to	..... to .....
.75 to 1.00	..... to	**Violets,** single	.75 to 1.00	1.00 to 2.00
..... to	1.00 to 1.50	" double	1.00 to 1.50	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

Philadelphia

The Christmas Trade

The Christmas of 1909 is now a matter of history. All agree that business resulted in a "scoop" for the plant growers. Everywhere, and in all manner of made up effects, plants were freely offered and as freely bought. Poinsettias were the leaders; plants in made-up pans, suitable for table use, and mixed with a variety of Ferns, were the most popular. Three to five plants in pots at an average retail price of $2.50 each seemed to have the most call. Perhaps never before were Cyclamens offered in such quantity, and in sizes salable at retail for 75c. to $4 each; this speaks well for the popularity of these plants among the public. Azaleas, Ericas, Oranges, and Lorraine Begonias were also among the offerings but, apart from individual plants, made up baskets of mixed plants created a condition perhaps never before equalled in this city. The many new creations in basket effects enabled the retailer to make a very fine display, and the novelties in this line were quickly sold out. A demand for medium priced articles was early developed, and these ranged from $1.50 to $4, although many of the higher priced goods were disposed of, but not in a general way. The weather was all that could be desired, and met with the approval of all branches of the trade. Earlier in the week, perhaps, the extreme cold weather seriously handicapped the wholesale plant growers in their shipments, causing an immense amount of extra labor in order to insure safe delivery of orders.

As to the amount of business done, reports are to the effect that an increase of 25 per cent. in volume over that of last year is expected to materialize when the final reckoning shall be made, especially in the cash sales for plants, etc.

In the cut flower department no such large increase was manifest, although a good business was done in all lines. The public has evidently come to regard the high price of cut flowers as unnecessary at Christmas, and this no doubt accounts in no small way for the attempts of retailers to push their plant sales. Flowers of all kinds were plentiful. American Beauty Roses were in moderate demand, and wholesaled at an average run of $1; some sales were effected at $1.25, but this price was for selected stock. Tea Roses were plentiful, Richmond, of course leading, sales being made at prices ranging from 20c. to 35c. according to

ROBERT CRAIG CO.
Roses, Palms, Crotons
Carnations and Novelties in Decorative Plants
Market and 49th Sts.,
PHILADELPHIA, PA.
Please mention the Exchange when writing.

BEAUTIES

A large supply in all grades—You will find our prices right—Quality the best coming to Philadelphia.

KILLARNEY
Pink and White
Our growers will cut very heavy during January. Quality never better.

RICHMOND
We always have been strong on Red Roses. The better grades exceptionally well grown stock. Values good in all sizes.

CARNATIONS
The kind that will give satisfaction—All the best varieties.

THE LEO NIESSEN CO.,
Wholesale Florists
1209 Arch Street
PHILADELPHIA
Open from 7 A.M. to 8 P.M.

Please mention the Exchange when writing.

quality. The two Killarneys and My Maryland were very popular, and brought good prices, 15c. to 25c. for the better grades being received; arrivals of these were very heavy and quite a little stock remained unsold, a condition which later weather conditions proved to be advantageous. Offerings of all kinds of Roses were made on the streets by the fakirs on Christmas morning and good grades were sold at $1.50 per doz. Bride and Bridesmaid were not called for in any great quantity, especially the latter, and much stock of these remained on hand after the holiday.

Carnations were plentiful, red, of course, being in most demand, prices for which ranged from 8c. to 15c., according to quality. Other colors, except white, were sold at 4c. to 10c., regulated by the condition of flowers. White varieties were hard to dispose of, but what were sold brought $3 to $6.

Orchids were heavy enough in demand to keep the supply from becoming congested, and sales of these at $9 to $12 per doz. were frequent. Cypripediums were also popular, and were sold at 12½c. to 15c. each, there being ample for all demands. Gardenias were plentiful, and sales ranged from $3 to $5 per doz., late shipments, however, remaining unsold.

Violets were in excellent demand, and prices ranged from 50c. to $1 per bunch for good grades. Several shipments of held-over stock were seen, flowers from these selling at from 25c. to 50c. per bunch.

Poinsettias were very short in supply and more could have been used; sales reached $5 per doz. for selected blooms, the medium grades ranging from $2 to $4 per doz. Sweet Peas, Daffodils, etc., moved well, and sold out clean at good prices. Lily of the Valley was plentiful but not called for very heavily, sales were made at $3 to $5 per 100. Easter Lilies were popular, and many were disposed of at $2 per doz.; the supply was not very heavy, so that a general clean-up was effected. Stevia and greenery of all kinds was disposed of in vast quantities, but the supply was very heavy, resulting in the later shipments being left over, a condition, however, which need cause no anxiety at this time of year. Taken all in all, the cut flower market showed a fair increase in volume of business, especially in out of town shipments, and this in spite of attempts to belittle the value of cut flowers as a holiday gift.

The majority of shipments showed excellent quality and regrets were freely expressed concerning the keeping of the flowers—this applies to all kinds—in the growers' hands until the last day, as trade was such that flowers were in good demand all the preceding week, but shipments were unnecessarily held until late, causing much delay and trouble to wholesaler and retailer, a condition which must be borne in mind on future occasions. Earlier receipts of goods would have ade better and easier conditions.

The complete tie-up of all lines of traffic, resulting from the recent heavy snowstorm was the cause of much inconvenience to the wholesalers. No shipments were received on Monday morning, and but for left-over material from the holidays no business could have been done. The express companies absolutely refused to accept shipments to or from Philadelphia, necessitating the sending of special messengers to distant cities with the cut flower orders.

Henry A. Dreer of Riverton, N. J., is continually receiving orders for Bay and Box trees for Spring delivery, and the quantities of Palms, Ferns, etc., recently seen in their greenhouses indicated preparations for an exceptional holiday business.

Among the retailers general satisfaction is felt concerning the amount of business accomplished at Christmas and the outlook for a good week end demand for New Year's gifts is encouraging.

Robt. Craig Co. reports plant business with it as fully 25 per cent. ahead of last year, and far beyond their expectations. Cyclamens and Begonias are among the good stock left over, but before the week is out, no doubt a general clean-up will be the order.

The bowling games for a turkey, held at the quarters of the Florists' Club of Philadelphia, Horticultural Hall, resulted in a victory for Chas. Eimmerman, who totaled 2042 for the ten games.

The next meeting of the Club will be held Tuesday evening, Jan. 4, at which time a very interesting paper will be read.

Killarney and My Maryland Roses are still "the best ever" with the Leo Niessen Co.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee St., MILWAUKEE, WIS.

'Phone, Main 874. P. O. Box 103.

Please mention the Exchange when writing.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

Milwaukee, Wis.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Dec. 26, 1909	Pittsburg Dec. 27, 1909	NAMES AND VARIETIES	Boston Dec. 27, 1909	Detroit Dec. 27, 1909	Cincinnati Dec. 27, 1909
35.00 to 50.00	70.00 to 80.00	**Roses**—A. Beauty, fancy—special	50.00 to 75.00	30.00 to 85.00	to 50.00
20.00 to 25.00	50.00 to 60.00	" extra	30.00 to 50.00	20.00 to 30.00	to
15.00 to 18.00	25.00 to 35.00	" No. 1	10.00 to 50.00	15.00 to 20.00	to
6.00 to 10.00	6.00 to 12.00	" No. 2	to	8.00 to 12.00	to 6.00
8.00 to 12.00	8.00 to 20.00	Killarney	8.00 to 16.00	4.00 to 12.00	4.00 to 10.00
8.00 to 12.00	to	White Killarney	8.00 to 16.00	4.00 to 12.00	4.00 to 10.00
to 50	8.00 to 20.00	My Maryland	8.00 to 16.00	4.00 to 12.00	6.00 to 10.00
8.00 to 12.00	8.00 to 25.00	Richmond	8.00 to 16.00	6.00 to 15.00	4.00 to 10.00
4.00 to 6.00	to	Perle	to	to	to
to	to	Golden Gate	to	to	to
4.00 to 8.00	to	K. A. Victoria	to	4.00 to 12.00	to
8.00 to 10.00	to 15.00	Bridesmaid, fancy—special	8.00 to 10.00	10.00 to 12.00	4.00 to 8.00
to 6.00	to 12.00	" extra	4.00 to 8.00	8.00 to 10.00	to
to 4.00	to 10.00	" No. 1	2.00 to 4.00	6.00 to 8.00	to
to	to 6.00	" No. 2	to	4.00 to 6.00	to
to 1.00	1.00 to 1.50	**Adiantum**	.75 to 1.00	1.00 to 1.50	to
to	to	**Antirrhinum**, (per bunch)	to	to	to
to 30.00	35.00 to 50.00	**Asparagus**, Plumosus, bunches	to 50.00	30.00 to 40.00	to 25.00
to 30.00	30.00 to 40.00	" Sprengeri, bunches	to 50.00	30.00 to 40.00	to
to	to	**Bouvardia**	to	to	to
to 12.50	to	**Callas**	10.00 to 12.00	12.50 to 15.00	to 10.00
to	to	**Chrysanthemums**	to	to	to
to	to	**Carnations**—Inferior grades, all colors	to	to	2.00 to 4.00
to 2.00	2.00 to 4.00	Standard Varieties: White	3.00 to 4.00	1.50 to 2.00	to
to 2.00	2.00 to 4.00	Standard Varieties: Pink	3.00 to 4.00	1.50 to 2.00	to
to 2.00	2.00 to 4.00	Standard Varieties: Red	3.00 to 4.00	2.00 to 3.00	to
to 2.00	2.00 to 4.00	Standard Varieties: Yellow and var.	3.00 to 4.00	to	to
3.00 to 4.00	to 5.00	*Fancy (*The highest grades of Std'd vars.): White	to 4.00	2.00 to 3.00	to
3.00 to 4.00	to 5.00	*Fancy: Pink	to 4.00	2.00 to 3.00	to
3.00 to 4.00	to 6.00	*Fancy: Red	to 4.00	3.00 to 4.00	to
3.00 to 4.00	to 5.00	*Fancy: Yellow and var.	to 4.00	to	to
to 3.00	4.00 to 6.00	**Daffodils**	1.50 to 2.00	to	to
to .60	to	**Daisies**	1.00 to 1.50	to	to
to .25	.16 to .20	**Ferns**, hardy	to	to .15	to
to	to	**Freesia**	to	8.00 to 4.00	to
to .20	to .15	**Galax**, green and brooze	to	to .12	to .15
to	to	**Gardenias**, per doz.	4.00 to 5.00	to	to
to 12.50	to 15.00	**Lilac**	to	to	to
3.00 to 4.00	2.00 to 4.00	**Lilies**, Harrisii and Longi.	10.00 to 12.00	to 15.00	to
to	4.00 to 6.00	**Lily of the Valley**	2.00 to 4.00	4.00 to 5.00	to
to	3.00 to 4.00	**Migonette**	2.00 to 4.00	8.00 to 10.00	to
to	to 75.00	**Narcissus**	1.00 to 1.50	3.00 to 4.00	to 3.00
to	to 15.00	**Orchids**—Cattleyas	40.00 to 50.00	to	to
to	to	Cypripediums	8.00 to 12.00	to	to
to	to	Dendrobium Formosum	to	to	to
to	to	**Pansies**, per doz. bunches	to 1.50	to	to
to 3.00	to	**Roman Hyacinths**	to	to	to
to 15.00	16.00 to 20.00	**Smilax**, (per doz strings)	12.50 to 15.00	15.00 to 20.00	to 12.50
to 1.50	to 1.50	**Stevia**, per bunch	to	to	to
to 1.00	.75 to 1.50	**Sweet Peas**, (per doz. bun.)	to 1.00	1.00 to 1.50	to 1.00
to	to	**Tulips**	to	to	to
to 1.00	to	**Violets**, single	.75 to 1.00	1.00 to 1.50	to
to 1.00	1.00 to 1.50	" double	.75 to 1.00	1.00 to 1.50	to
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

937 Liberty Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Gardenias were a specialty with the S. S. Pennock-Meehan Co. for New Year's. These and all other seasonable flowers are daily received in large quantities by them.

SPARTA, WIS.—In the past season the Z. K. Jewett Co. has erected new greenhouses to replace some partly destroyed by fire. The establishment now comprises 100,000 sq. ft. of glass, and the stock includes Roses, Carnations, Violets, Lilies, Chrysanthemums and other flowers for cutting.

JERSEY CITY, N. J.—Among recent incorporations is mentioned John T. Withers, Inc., landscape architects, gardeners, horticulturists, nurserymen, etc. The incorporators are J. T. Withers, E. Withers and J. F. Marion of Jersey City, and L. Barron of New York.

CULTURAL DIRECTIONS

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

A. T. DE LA MARE CO. (Pubrs. F. E.)
P. O. Box 1697, New York

Boston

Christmas trade has proved very satisfactory and considerably in advance of that of last year. While there have been few novelties the sales of plants have been large, and, as usual, Azaleas have on the whole been the leaders. Begonia Gloire de Lorraine, of which there was an excellent lot of plants seen, came next. Ardisias were popular, and Poinsettias when well grown went very satisfactorily. Lots of other plants, well grown, sold well and the business in all sorts of evergreens, wreaths, and Holly has been the best for years.

Boston met with one of the worst snow storms in years on Sunday, and growers, generally, are happy over the fact that it did not come till after the holiday.

Andrew Christensen, the well-known Carnation grower of Stoneham, is confined to his home, suffering from abscessed throat.

George Cartwright has gone to spend a few days in Philadelphia.

Lawrence Flynn has resigned his position with N. F. McCarthy & Co., and is now in the employ of Welch Bros.

Much damage is done to trees and shrubs by the heavy snow storm throughout the city parks. Many fine specimen Thorns and other trees are badly broken down. H. U. B.

There will be a free exhibition of 700 photographs illustrating the flora, fauna, and scenery of central and western China, at Horticultural Hall, beginning Dec. 27, and lasting two weeks. These photographs are the property of the Arnold Arboretum and were made by Mr. E. H. Wilson, the head of the Arboretum botanical exploration expedition, during the years 1907-08. The collection is of great value and interest, for it contains the first pictures which have been made of the plants of western China, many of which are new to science. In addition to the botanical subjects there are photographs of birds, animals, and objects of architectural and archaeological interest. The exhibition will be open daily from ten to four o'clock.

Milwaukee

"Merry Christmas, and did you have a good business?" That was the query Christmas Day and the day following. Nearly everyone is reported as having enjoyed excellent trade. Judging from the heavy stock carried by some of the downtown dealers and the way they cleaned up, business must have been good. As usual, plants at Christmas are cutting, most seriously, into the cut flower business. When Carnations go to $1.50 per dozen and ordinary Roses $3 per dozen, the public will buy plants. This was fully demonstrated by the large call for plants in preference to cut flowers, and the slump in cut flowers on the closing days. Reductions and cancellations in advance orders showed the unsteadiness of the cut flower market. There was an abundance of Carnations on the market and plenty of light colors left over, but good red and bright colors sold well, although top-notch prices somewhat receded. Roses were about equal to demand with a heavy call for red, and pink Killarney, which sold out clean. American Beauty were in heavy demand, especially in the medium grades. Violets were short in demand, but there was plenty of Stevia, Roman Hyacinths and Paper White Narcissus to help out. Some growers held back their stock and sent it in at a stage when it could not be used for shipping, and then wondered why returns did not average outside figures. Shipping trade out of this market was unusually heavy, as the supply is now sufficient to take care of its territory.

Currie Bros., Jas. Fox, McKenny & Co., Baumgarten Floral Co., Wm. Zimmerman and Edlefson-Leideger Co., carried a heavy stock of plants, while the Imperial Floral Co., Jas. Chacona, Louis Maas and Wisconsin Floral Co., specialized cut flowers. These firms did about the bulk of the downtown business, and report good trade. Numerous small dealers outside of the business districts did a good business in plants, but little in cut flowers at the advanced prices.

Holly was plentiful, but much of it was poor; the best sold at $5 per case, and inferior stock at $2 to $3 per case. Bouquet green wreathing was short of demand. Mistletoe was plentiful, but arrived badly frozen.

The weather was cold, hovering around zero right up to Christmas, causing great inconvenience in making deliveries. C. C. P.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better then our Hardy Evergreen Lawn Seed. Write for prices on large lots.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

Please mention the Exchange when writing.

HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

51 Wabash Ave.

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Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

Please mention the Exchange when writing.

E. G. HILL CO.

Wholesale Florists

RICHMOND, INDIANA

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Wietor Bros.

Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

Please mention the Exchange when writing.

ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which wil. have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Dec. 28, 1909

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	6.00 to 8.00
30-inch stems.. "	.... to 5.00
24-inch stems.. "	3.00 to 4.00
20-inch stems.. "	.... to 3.00
18-inch stems.. "	2.00 to 2.50
12-inch stems.. "	1.25 to 1.50
8-in. stems and shorts "	.75 to 1.00
Killarney	10.00 to 12.00
" extra	12.00 to 15.00
White Killarney	10.00 to 15.00
Richmond	10.00 to 15.00
My Maryland	6.00 to 10.00
Bride, Maid, fancy special	8.00 to 12.00
" extra	6.00 to 8.00
" No. 1	4.00 to 6.00
" No. 2	.... to 4.00
Perle	8.00 to 10.00
Chatenay	3.00 to 6.00
Kaiserin	6.00 to 10.00
Uncle John	8.00 to 10.00
Mrs. Marshall Field	8.00 to 10.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .70
" Sprengeri	.35 to .70
Bouvardia	4.00 to 6.00
Chrysanthemums doz.	.... to ....
" fancy doz.	.... to ....
Daisies	.... to ....
Daffodils	.... to ....
	.... to ....

CARNATIONS		
Standard Varieties	White	2.00 to 3.00
	Pink	2.00 to 3.00
	Red	6.00 to 8.00
	Yel. and Var.	.... to ....
*Fancy (*The highest grades of Sta'd varieties)	White	3.00 to 5.00
	Pink	3.00 to 5.00
	Red	3.00 to 5.00
	Yel. and Var.	.... to ....
Ferns, hardy, per 1000		.... to 1.50
Freesia		.... to ....
Galax (green)		.... to 1.25
" (bronze)		.... to 1.25
Gardenias		.... to 50.00
Hyacinths, Roman		.... to 3.00
Lilac		.... to ....
Lilies, Harrisii and Longi.		12.50 to 15.00
Lily of the Valley		4.00 to 5.00
Mexican Ivy		.... to 1.00
Mignonette		.... to ....
Narcissus—Paper White		.... to 3.00
Orchids—Cattleyas		60.00 to 70.00
" Cypripediums		15.00 to 20.00
Pansies		.... to ....
Smilax		.... to 12.00
Stevia, bunch		.25 to .50
Sweet Peas		1.25 to 1.50
Tulips		.... to ....
Violets, single		.50 to .75
" double		1.00 to 1.50
		.... to ....
		.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

Chicago

Christmas day was a disappointment to the trade, as on Friday at noon a severe snow storm set in which kept up all Christmas Day and up to Sunday noon, consequently preventing the anticipated rush at the last moment. The early part of last week business throughout town was so active that Christmas prices went into effect a day or two earlier than expected, but the weather terminating as it did left considerable stock in some lines unsold, the storms being so bad all through the West and Southwest as to make shipping very uncertain, with trains delayed owing to the heavy fall of snow. Carnations were to be seen in vast quantities, every grower, as is usual at this season, holding back so many that the market was glutted. Many of the commission men were selling them on Saturday morning at far below quoted prices, and even with the great reduction many were left on their hands. Roses, as usual, were in active demand and all moved well with the exception of the very long stemmed American Beauty, which were held at such high prices that they were refused in many instances. While many of the wholesalers report a much more profitable business over Christmas of last year, others claim that owing entirely to the weather the receipts were not so heavy. There was certainly a larger amount of stock than at Christmas last year, but when the new growers that have been added to the list, and the vast addition of glass that has been added to many of the large growers' establishments in the past twelve months are considered, it is not to be wondered at. Still no one is complaining, as each seems to have had his share of the holiday trade.

The A. L. Randall Co. met a record breaking demand in the supply end of the house, but having a large stock of all holiday accessories was able to meet all demands. In the cut flower department Mr. Randall says that while most stock in other lines moved off well he never knew such a slump in Carnations, owing to the vast number being held back by the growers; at the wind up Carnations were sold as low as $1.50 per 100.

The E. F. Winterson Co. also reports an active business in holiday stock, everything being cleaned up nicely. The cut flower end of the business was not quite so active. Carnations and Violets were in larger supply than the demand warranted.

At Peter Reinberg's it is stated that they never had more or better stock than this season and everything was cleaned up in fine shape. They were kept unusually busy as they did not put on any extra help for the holidays.

Bassett & Washburn say that up to Friday business with them could not have been more active, but on Friday and Saturday the weather somewhat affected the sale of stock, making business fall short of that of last year.

Weiland & Risch say that they are glad that Christmas is over as there is always more or less worry regarding stock, conditions, etc. They report a very satisfactory business in every respect.

J. B. Deamud & Co. state that it has no complaint, as business was exceptionally fine.

Hoerber Bros. report a very good business with all stock in all lines cleaned up. Their crops are coming in in extra fine shape, without being forced at any time. It arrives in remarkably fine condition.

Chas. McKellar says there were not enough Orchids to fill all the orders received, although they did not command any fancy prices. Cattleyas moved rapidly at 75c. and $1 each.

Wietor Brothers also had a fine stock of all flowers they handle, nearly all moving off nicely.

Poehlmann Bros. Co.'s shipments were of extra fine quality, and with the exception of a few lines all stock was disposed of nicely. Long stemmed American Beauty Roses were not in as active demand as other grades. Some Carnations also were not so easy to dispose of, but they did a very satisfactory holiday business.

Vaughan & Sperry did not do quite such an extensive business in the Violet line as last season, but business in all other lines reached their expectations.

E. H. Hunt had a very active holiday trade, with but little stock left over.

The Benthey & Coatsworth Co. say that business was about on a par with last year, the only surplus stock left on hand being Carnations.

Leonard Kill and family leave for Los Angeles, California, on January 4, and expect to remain there for three months.

C. L. Washburn is suffering from a very painful affection of the eye, caused by his eyelids being frozen during the severe cold weather of last Tuesday week. The train that his firm ship the stock from Hinsdale on each morning, was delayed on the day mentioned and in trying to protect the shipments of flowers from freezing Mr. Washburn's eyelids were frozen. Owing to the rush of holiday week he neglected to give his case proper attention, and on Christmas Day it was aggravated, and he is now under the doctor's care.

Anton Then is recovering slowly from typhoid fever, from which he has been suffering for several weeks past.

Mrs. Wm. Hoerber, we are glad to say, is progressing nicely since our last report.

E. F. Winterson reports a local retailer returning 10,000 Violets, his excuse being "too high priced."

T. C. Yarnell, recently with the American Florist Co., is now interested in the business of the J. B. Deamud Co..

A Christmas letter from O. P. Bassett, Pasadena, Calif., says he is having a most delightful time and never felt better in his life.

The reason for good Mistletoe being so scarce was the heavy snow storms experienced in Oklahoma and Texas, whence a large amount is shipped. At the beginning of the holiday season it started in well at 25c. a pound, but on Friday, December 24, it was bringing $5 a barrel of 15 lbs.

It is stated throughout the market that this Christmas was the first that enough stock in red flowers, such as red Carnations, Richmond and American Beauty Roses, was available.

The coal situation has begun to alarm the florists who have not sufficient supply on hand. The reported shortage of fuel has already advanced the price from 25c. to 50c. more per ton.

Vaughan's Seed Store reports all Christmas stock completely cleaned up. Holly ran very scarce towards the end of the week, and bouquet greens could not be obtained at any price. The store trade was also exceptionally good.

Another step to beautify Oak Park will be taken this week. President Charles E. White, Jr. of the Fine Arts Society will appoint a committee of architects and artists to furnish a plan similar to that prepared by D. H. Burnham under the direction of the Chicago Commercial Club.

Mrs. Mary Kolacek, mother of William Kolacek, president of the West Park Board, died at her late home, 611 South Elmswood ave., Oak Park, on Christmas day. Mrs. Kolacek had been ill for several months.

Don't forget the regular meeting of the Chicago Florists' Club, at the Union Restaurant on Thursday evening, January 6. At this meeting new officers for the coming year will be elected, and it is hoped the members will turn out in full force.

The Bowling League will bowl as usual on Thursday of this week, contrary to the report of last week that they would change date of bowling to Wednesday night.

St. Louis

G. M. Reyburn, representing Vaughan's Seed Store, Chicago, was a recent visitor, spending part of Christmas week with the trade.

Will C. Young, in company with his son, John Young, left Monday, Dec. 27, for a 10-day trip to New Orleans, La., and will spend New Year's Day in Harry Papworth's town.

Mr. and Mrs. Henry Berning have the sympathy of the trade in the loss of their mother, Mrs. L. Bruning, aged 59 years, who died Dec. 23. The funeral took place from the home of her son-in-law, H. G. Berning, on Sunday, Dec. 26. Many beautiful floral designs were sent by friends in the trade.

The Christmas Market

In writing of the Christmas trade here we can only say that it was one of the best we have ever had. I say this after receiving reports from the leading retail florists all over the city; the majority say that the blooming plant trade was away above any Christmas, and that cut flowers, too, sold better than ever and at high prices. The West End florists this year went in for handsome window decorations.

C. Young & Sons had a fine display of Poinsettias; Geo. Walbart and Mrs. Ayers a fine display of blooming plants, their sale on these was complete—nothing left; Fred C. Weber, a handsome window in red, and a show house full of good things; Ellison Floral Co., very attractive. F. H. Weber cleaned out well and made a fine display of everything in season.

Kalish Bros., as usual, made a fine display in their large windows. J. F. Windt, too, did a big Christmas trade in everything.

From reports of the Downtown florists we hear nothing but good news from all of them.

The florists in the North and South ends, where they are becoming thicker than flies, report satisfactory business all of last week. ST. PATRICK.

GERANIUMS

RICARD S. A. NUTT BUCHNER

from 2½-inch pots

Extra Fine lot of Strong, Cool-Grown Plants

$2.25 per 100, $20.00 per 1000

Order Now—Address

J. R. BROOKS

OXFORD DEPOT (Orange County), N. Y.

Please mention the Exchange when writing.

Geraniums

S. A. Nutt, Bruanti, and Snowdrop, 2½-in. $2.00 per 100.

CARNATIONS, R. C. ready Jan. 1. Enchantress and Lloyd, $1.50 per 100, $12.00 per 1000.

L. C. HAPPEL, Waynesboro, Pa.

Please mention the Exchange when writing.

GERANIUMS ROOTED CUTTINGS READY TO SHIP

	100	1000
S. A. Nutt	$1.10	$10.00
Buchner and La Favorite	1.25	10.00
Castellane	1.50	14.00
Ricard	1.50	14.00
Poitevine	1.50	15.00

CARNATION CUTTINGS, rooted or unrooted—Prices on application.

B. F. BARR & CO., Keystone Nurseries, Lancaster, Pa.

Please mention the Exchange when writing

GERANIUMS

Rooted Cuttings

S. A. NUTT, $10.00 per 1000.

Cash with order

FRED W. RITCHY, Lancaster, Pa.

Please mention the Exchange when writing.

Geraniums

Rooted Cuttings, ready now.

S. A. Nutt, $10.00 per 1000.

WHITE BROS., Gasport, N. Y.

Please mention the Exchange when writing.

Stock Guaranteed

75,000 S. A. NUTT Geranium cuttings, $10.00 per thousand

GEO. B. HART

24 Stone Street, ROCHESTER, N. Y.

Please mention the Exchange when writing.

GERANIUMS

RootedCuttings

Per 100		Per 100	
Castellane	$1.25	Poitevine	$1.50
Buchner	1.25	Nutt	1.25

PELARGONIUMS

Mixed $3.00

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

GERANIUMS

Strong 2-in. stock.

S. A. Nutt, Heteranthe, Jean Viand, La Favorite, L'Aube, $2.00 per 100, $18.00 per 1000; our selection, $17.00 per 1000. Pamela, $4.00 per 100. Mlle Anastasie, Lecadre, $3.00 per 100. Red Wing, the best novelty of the season, 25c. each, $2.50 per doz. Write for Geranium catalog.

F. H. DeWitt & Co., Wooster, Ohio

Please mention the Exchange when writing.

Geraniums! Geraniums!

Nutt, Doyle, Buchner, La Favorite, Poitevine, Grant, Bruanti, and others, at least, 100,000, out of 2¼-in. pots, in fine condition, at $18.00 per 1000; 500 at 1000 rates.

AGERATUM, Stella Gurney, Pauline and others, from 2¼-in. pots, $1.00 per 100; $9.00 per 1000. Rooted cuts, 60c. per 100.

HELIOTROPE, 2¼-in. pots, $2.00 per 100.

Cash to accompany the order.

J. E. FELTHOUSEN

154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

Detroit

My prediction for a heavy Christmas trade, a conclusion drawn from the heavy trade experienced by all last Thanksgiving, has been fully verified. Everybody is very well pleased and it seems that all lines, cut flowers, plants and baskets, equally shared in the increased demand; still it is early for a detailed statement on this score.

Comparing present known facts with last year, a strong call for all classes of Roses stands out very favorably as compared with the low demand there was for them then. The Michigan Cut Flower Exchange had a large supply of really very fine Roses and retailers bought them up eagerly. Carnations, on the other hand, became a drug but the fault for this belongs to the grower only. A week or ten days ago Carnations were extremely scarce because of the pickling going on; two days before Xmas this stock was unloaded on the market, some of it in absolutely unmarketable condition. The result was an over-supply and a consequent depressing effect on all other flowers.

Retail prices were good: Roses brought from $2 to $8 per dozen; Am. Beauty from $6 to $18. Carnations, $1.50 to $2, with fancy and red, $2 to $3. Violets sold well at $4 and a few at $5 per 100. The majority of Poinsettias sold at $6 per dozen.

The express service was very poor; Chicago flowers, which should be delivered by 9 a.m., did not reach the florists before 5 p.m., causing all kinds of disappointment and delay. The Michigan Cut Flower Exchange had a man stationed at the depot to help dig out flower shipments from among carloads of Christmas freight. Breitmeyers had to send their auto after midnight Christmas Eve to the depot for several hundred Am. Beauty.

Mr. Schroeder's Violets did not reach their store till Christmas Day in the afternoon, although they were shipped on the 23d.

A very unfortunate occurrence was the blowing out of a boiler section at Mr. Kales' establishment. Present reports do not indicate any serious damage but, to add to the difficulty, he had to wire to Buffalo for a new section. It is to be hoped that the weather will not turn much colder, thereby occasioning further damage to his stock.

Individual reports from local prominent florists brought forth the following observations, regarding Christmas trade:

Breitmeyer's: The demand made on us taxed our strength and resources to the utmost. Orders were placed somewhat earlier than usual and the receipts of Dec. 22 and 23 prove this assertion most conclusively. Plants and baskets sold very well and high-grade Roses were a close second. All in all this was the best Christmas we ever had.

Sullivan's: It is safe to say that this was the best Christmas Detroit florists ever had. One may call it a plant Christmas, although the cut flower trade started very briskly Friday afternoon. Roses were in much better demand than a year ago. A good many pickled Carnations glutted the market, which would have brought good prices had they been received three or five days previous. It seems too bad that the sermon about pickling flowers should have to be repeated at every holiday. Out of 1500 deliveries made on Friday about 1000 were plants.

Schroeter: Plant trade was exceedingly good and started very early; in fact, we were practically sold out of plants by Friday morning. Everything else moved well. Roses were high in price, but the people got quality equal to the price.

Brown: Cut flowers sold better than ever and Roses, which were difficult to dispose of last year, sold easily this. The better quality offered may have helped some.

Taepke: Everything tip-top; trade started up at least two days earlier than usual. Azaleas and Cyclamens were the favorites. Everything else sold well except Violets. FRANK DANZER.

Plant Names, Pronunciation of

This handy little book furnishes a key of the pronunciation of some 4,350 names of cultivated plants, genera and species, and will be found valuable as furnishing a standard to which to refer by all who desire to be correct when they speak of plants sent postpaid, on receipt of Fifty cents. Address, The Florists' Exchange, P. O. Box 1697, New York.

GERANIUMS

All sold until February. Orders booked for February and March delivery. Nutt at $10.00; Poitevine and Ricard at $15.00 per 1000.

ASPARAGUS Plumosus, $25.00 per 1000; Sprengeri, $15.00 per 1000. Ready now.

ALBERT M. HERR, LANCASTER, PA.

Please mention the Exchange when writing.

FERNS ASSORTED FOR DISHES

Best varieties, full grown plants from 2¼-in. pots, $3.50 per 100; $30.00 per 1000.

Asparagus P. Nanus 2¼-in. pots, $3.00 per 100; $25.00 per 1000; 3-in., $6.00 per 100.

Cocos and Kentias 8 to 10 in., at $10.00 per 100

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

ASPARAGUS

	Per 100
Plumosus Nanus, 3-in., fine	$5.00
DOUBLE PETUNIAS, 2-in.	2.00
ROSE GERANIUM, 2-in.	2.00
HELIOTROPE, dark, 2-in., strong	2.00

ROOTED CUTTINGS

DOUBLE PETUNIAS, 25 vars., Dreer's strain	1.00
LANTANAS, Dwarf, 5 vars.	1.00
LANTANAS, trailing	1.25
ABUTILON, Dwarf French	1.25
ABUTILON Savitzii	1.50
IVY GERANIUM	1.50
HELIOTROPE, dark, for soil, R. C.	1.00
GERANIUM, Mad. Salleral	1.25
GAZANIA Splendens	1.50
STROBILANTHES Dyerana	1.25
CUPHEA	.75
AGERATUM, Gurney, Pauline, and White	.60

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

ASPARAGUS

Plumosus Nanus. Fine stock, 2¼-in., $3.00 per 100, $25.00 per 1000.

ASPARAGUS Sprengeri, 2¼-in., $2.50 per 100, $20.00 per 1000.

GERANIUM, S. A. Nutt, strong stock, 2¼-in., $2.00 per 100, $18.00 per 1000.

Stock plants of CHRYSANTHEMUM Polly Rose, Appleton, Enguchard, Yellow Bonnaffon, $3.00 per 100. Big quantities cheap. Cash with order.

C. A. PETERSON, Madison, N. J.

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS

From 2¼-inch pots, $2.50 per 100, $22.50 per 1000.

Cash with order please

FLORAL HILL GARDENS

G. F. NEIPP, Prop.

CHATHAM, N. J.

Please mention the Exchange when writing.

Hardy Perennials

Field-grown Clumps.

	Per 100
OENOTHERA Youngii	$4.00
HARDY PHLOX, Peachblow	3.00
HARDY PHLOX, mixed	1.50
PHLOX subulata alba	2.50
PHLOX maculata	3.00
PEONY Whitleyi	6.00
RUDBECKIA purpurea	4.00

SHRUBS

SPIRAEA Anthony Waterer, 2-3 ft.	7.00
HYDRANGEA grand. alba, 2 yr.	25.00
HYDRANGEA p. g., 2-3 ft.	7.00
CALIFORNIA PRIVET, 12-18 in.	1.50

Cash with order.

All the best varieties of DAHLIAS in strong field roots.

J. MURRAY BASSETT, Hammonton, N. J.

Please mention the Exchange when writing.

MARIE LOUISE VIOLET BLOOMS!!

A-No. 1 quality. Ready now. 200 to 300 can be sent by mail in boxes made for them specially. Postage prepaid for the month of December.

$1.25 per 100.

$1.50 per 100, specials.

Christmas week specials, $1.75.

Cash with order.

C. LAWRITZEN

BOX 1261, RHINEBECK, N. Y.

Please mention the Exchange when writing.

Scholzeli Fern

The best payer and most prolific Fern to date, 2¼-in. $12.00 per 100

	Per 100
Superbissima, 2¼-in.	$12.00
Whitmani, 2¼-in.	5.00
Scottii, 2¼-in.	5.00

CHAS. H. CAMPBELL

3601 Germantown Avenue

PHILADELPHIA, PA.

Please mention the Exchange when writing.

Nice stock of assorted ferns, 3-in., $6.00 per 100, $55.00 per 1000.

CIBOTIUM SCHIEDEI

King of Ferns; the most decorative plant in the world; strong grower, good keeper, fine seller.

4-in., $8.50 per doz., $65.00 per 100.

5-in., 12.00 per doz., 90.00 per 100.

10 and 12-in. specimens in handsome oak-colored tubs, with solid brass handles (novelty). No show window complete without one. $5.00 and $7.00 each.

ASPARAGUS Plumosus Nanus. Excellent 2¼-in. stock, $3.00 per 100, $25.00 per 1000.

Largest commercial collection of Ferns in the country.

Ask for Descriptive Catalog.

J. F. ANDERSON, Short Hills, N. J.

Fern Specialist

Please mention the Exchange when writing.

FERNS! FERNS!

A nice assortment and good bushy stock, and just now in fine shape, $3.00 per 100.

KENTIAS and COCOS Weddelliana for centers, 10c. each.

ASPARAGUS plumosus, $3.00 per 100.

Scottii FERNS, 4-in., $15.00 per 100.

KENTIA Belmoreana, 6-in., $1.00; 5-in., 75c. and 50c.; 4-in., 25c.

HENRY WESTON, Hempstead, N. Y.

Please mention the Exchange when writing.

NEPHROLEPIS WHITMANI

From bench, ready for 5 and 6-in. pots. Write for prices; state quantity you can use.

ASPARAGUS Sprengeri, 4-in., $5.00 per 100.

W. D. ROBERTSON, Oakhurst, N.J.

Please mention the Exchange when writing.

NEPHROLEPIS

WHITMANI, 2½-in., $5.00 per 100; $40.00 per 1000.

MAGNIFICA (new), $25.00 per 100.

BOSTON FERNS, 2½-in. $30.00 per 1000.

Henry H. Barrows & Son,

WHITMAN, MASS.

Please mention the Exchange when writing.

FERNS

5-in. Boston, from bench, 25c. each.

6-in. Whitmani, from bench, 25c. each.

SPRENGERI, from 2½-in. pots, $2.00 per 100.

These are all strong, bushy stock.

A. ELLERY BRIGGS, Dighton, Mass.

Please mention the Exchange when writing.

PALMS, FERNS

and

Decorative Plants

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Dried, screened and packed in bags of 100 lbs. each.

Pulverized Sheep Manure

Pure — Uniform — Reliable.

A strong and quick acting manure, highly recommended for carnations and chrysanthemums.

Shredded Cattle Manure

Easy to handle and apply.

Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequaled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

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The PULVERIZED MANURE CO.

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For Plants, Lawns, Gardens, etc.

A natural Plant Food and Soil Improver, guaranteed to contain no acid or chemicals. Try it! $25.00 per ton, $7.50 per 500 lbs., $2.00 per 100 lbs.

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If you understand Modern Methods and FARM INTELLIGENTLY

Every reader of the Florists' Exchange who is interested in farming or gardening, in the growing of fruit or of flowers, is invited to send for a free copy of our 80-page catalogue and full information in regard to the Home Study Courses in Agriculture, Horticulture, Landscape Gardening and Floriculture which we offer under Prof. Brooks of the Massachusetts Agricultural College and Prof. Craig of the Cornell University.

The Home Correspondence School Dept. 77 Springfield, Mass.

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The Mastin Automatic White-Wash and Spraying Machine is Reliable, Practical and Durable

The tank is made of galvanized sheet steel, and in brass.

The pump is of brass throughout, simple and powerful.

The mixing device keeps the contents of the tank well stirred up from start to finish.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.

All parts are made to gauge, and may be had for repairs.

Ask your dealer about our Extension Hose, Extension Rods, and the Mastin White-wash Nozzle for Bordeaux mixture.

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J. G. Mastin & Co., 3124 West Lake St., CHICAGO, ILL.

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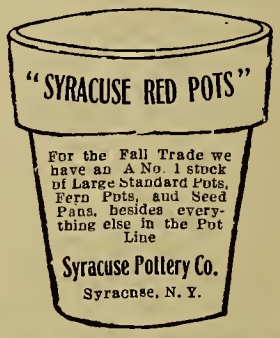

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Rye, N. Y.

The Rye Nurseries occupy 38 acres devoted to evergreens and fruit trees. The greenhouses contain nearly 65,000 ft. of glass and are devoted to stock suitable to the large retail trade which the concern enjoys. The nursery was started in 1870 by Chas. Fremd, father of the present owners, S. C. Jenkins and F. D. Fremd. The foreman, Fred Dettmer, points to several novelties which they are introducing and especially the Meteor Geranium, which is proving a good market variety; it is a single red of good color; the concerns grows about 60,000 plants of it, and a large quantity of other bedding stock as well. Considerable design work was furnished by the establishment for the funeral for F. P. Perkins, president of the village of Port Chester, held Dec. 12. A large quantity of Lily of the Valley is forced here for local trade. From 80 to 200 men are employed by the company, 80 men are on the regular pay roll and additional help is added as needed. The nursery is near the trolley line and close to the railroad station.

TRAVERSE CITY, MICH.—The Queen City Floral Co. has erected a new greenhouse, of Foley construction, 150 by 18 ft., and planted it to Carnations.

GREENSVILLE, IND.—A new firm, Dille & Konzelmann, has been formed to engage in the growing of flowers for the wholesale market. For some time Mr. Konzelmann had charge of the Heller Bros.' plant at New Castle, and was later in charge of the growing department of the E. G. Hill Co., Richmond.

WE HAVE Fern Pans all sizes up to and including 10 inches. Our stock of St. Pots, Azalea Pots, Bulb Pans, etc., is complete. Special attention given to mail orders, which are shipped the the same day as received.

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KELLER POTTERY CO.

213-215 Pearl St., NORRISTOWN, PA.

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All the Clay

for our

Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.

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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

	Price per crate.		Price per crate.
1600 2 in. pots in crate,	$4.88	120 7 in. pots in crate,	$4.20
1500 2½ " "	5.25	60 8 " "	3.00
1500 2¾ " "	6.00		
1000 3 " "	5.00	HAND MADE	
800 3½ " "	5.80	48 9 in. pots in crate,	$3.60
500 4 " "	4.50	48 10 " "	4.80
456 4½ " "	5.24	24 11 " "	3.60
320 5 " "	4.51	24 12 " "	4.80
216 5½ " "	3.78	12 14 " "	4.80
144 6 " "	3.18	6 16 " "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.

August Rolker & Sons, Agts., 51 Barclay St., N.Y. City

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BULBS and THEIR CULTIVATION

By T. W. SANDERS, F. L. S., F. R. H. S.

Crown 8vo., Cloth, 212 pages, 42 illus.

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144 sheets	3.50
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Furnishes the Most Nicotine for the Money!

Mfgd. by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Over 40% Nicotine By far the CHEAPEST.

Just Note Prices!

Pint	$1.50
½ Gallon	5.50
Gallon	10.50
5 Gallons	47.25

Syracuse, N. Y.

Christmas Trade

Christmas trade here was a little above the average and weather conditions were ideal, the ground being covered with snow; the cold snap at the beginning of the week moderated and the delivery of plants was made without much risk. One missed the music of the sleigh bells and the joyous laughter of the little ones—the silent automobile has changed all that.

Holly was plentiful and we were pleased to note that fewer outsiders were handling it. F. H. Ebeling, the seedsman, is the largest dealer in that article and greens and reports trade as very good, but the quality not up to expectations; still he cleaned up everything. Xmas trees were plentiful and mostly grown in this vicinity.

All the florists had very complete stocks of flowering plants, Poinsettias being largely in evidence. P. R. Quinlan's stores and conservatory were a mass of bloom, with immense blocks of Poinsettias, Azaleas, Primulas, Cyclamens, etc.

H. Morris had a very attractive show of Poinsettias, Lilies, Azaleas, Primulas, Peppers, Jerusalem Cherries, etc.

Burt's window is always arranged with great taste, and had a good display of seasonable plants, the Holly wreaths particularly good.

M. E. Hinckle's window was made very interesting with a nice assortment of flowering plants.

Meneilly & Son, as usual, were strong on double Violets, and had a splendid crop of fine flowers; their strain of Primula obconica is particularly good; they have just installed a Spence boiler to heat their new houses.

G. Bartholme's stock was remarkably good and complete; we noticed some very artistic baskets filled with great taste. He had a large block of that beautiful old Begonia incarnata, in splendid shape, in fact the finest I have seen for many a day: why has it been allowed to be a back number, for it is grand for cutting? His Cyclamens were magnificent.

There were no novelties to speak of. Prices for plants were not advanced.

Cut flowers were advanced. Red Carnations were in good demand. Cut Poinsettias sold well. The following prices were generally obtained: Roses—Bride and Bridesmaid, $2 to $4 per doz.; Richmond, $4 to $6 per doz.; Am. Beauty, $4 to $18 per doz.; Carnations, $1.50 to $2 per doz.

Valley, $1; Hyacinths, 50c.; Chrysanthemum (scarce), $9; Callas, $4; Stevias, 75c.; Poinsettias, $6 to $9; Orchids, $12 to $18; Violets, $3 to $4 per 100.

Mistletoe was in good demand and sold well. There is a remarkably good trade in plants and cut flowers going on now, as I write. H. Y.

Dec. 27, '09.

DICKINSON, TEX.—Mr. E. E. Stone, Nurseryman, who has been in business here for eight years, was married at Galveston, Dec. 15, to Miss Mabel Bray, also of Denison. Both the contracting parties are of English birth.

GLASS

Higher prices sure—buy now—save money.

We are with you all the time—don't buy until you get our prices.

SHARP, PARTRIDGE & CO.

2263-2269 Lumber Street, CHICAGO, ILL.

LONG DISTANCE PHONE, CANAL 880.

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REMEMBER! FLORISTS, REMEMBER!

That we manufacture Steam and Hot Water Boilers.
That we contract for and erect Heating Apparatus.
That we make a specialty of curing defective apparatus.
That our staff of Heating Engineers is reliable and competent
That our Mechanics—pipe fitters—boiler makers, etc., are all first-class.
That it will pay you to get our suggestions and estimates.

ESTABLISHED NEARLY 50 YEARS

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U. G. SCOLLAY, Manager L. D. Telephone, 1492 Main

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Greenhouse Materials

Furnished and Erected

IRON or WOOD

SASH BARS in all lengths up to 32

Milled to any detail furnished or will furnish details and cut material ready for erection.

FRANK VAN ASSCHE

Formerly Supt. for Weathered,

Fulton Ave., Rose Ave. and Dwight St.

JERSEY CITY, N. J.

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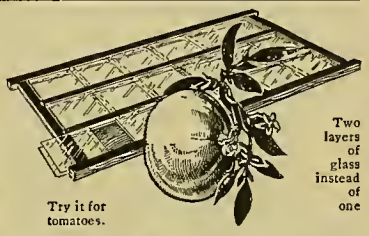

Two layers of glass instead of one

Try it for tomatoes.

What are your losses under single glass sash?

R. Effinger, Jeffersontown, Ky. writes: "I bought 20 Sunlight Sash and have given them a thorough trial. I never lost a plant from frost or freezing, although I never used any covering even during zero weather."

The man who grows to sell should test the Sunlight Double Glass sash.

You will get such remarkable results that you will *double your beds*.

Pays for itself in a single season

Get the big prices for the early plants.

The Sunlight Sash makes your plants as safe in zero weather as in the open air in May. The dry air between the two layers of glass is *better* protection than mats or boards. Never needs covering.

You can handle twice the number of beds.

Write for catalog and freight prepaid proposition. Fast freight, safe delivery guaranteed. Order now.

Agents Wanted—The wonderful success of Sunlight Sash makes it a good paying proposition to agents. 75% of our trial orders last year re-ordered this year in lots ranging from 5 to 100 sash. Write for your territory today.

SUNLIGHT DOUBLE GLASS SASH CO., 933 East Broadway, Louisville, Ky.

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Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

Not genuine without it.

All *our* bags have our guarantee tag on the bag, reading "Satisfaction or Money Back," and this trade mark

$3.00 per bag 100 lbs.

It costs 15 cts. to thoroughly fumigate a house 100 x 25.

We sell direct to the grower.

The H. A. Stoothoff Co.

Mount Vernon, N. Y.

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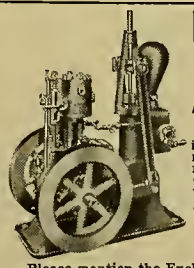

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A Standard Pumping Engine

is more reliable than windmills and will furnish a much higher pressure. Catalogue on request—will tell you more.

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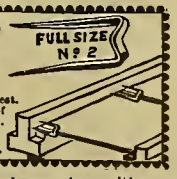
Holds Glass Firmly

See the Point of PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER, 714 Chestnut St., Phila., Pa.



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Low Boilers

4 ft. high, lower if you want it. Designed and specially adapted for greenhouse service. Write for prices and booklet. FREE HOSE TRIAL, PIPE FITTINGS, VALVES, etc.

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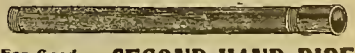

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Our prices are—1 in. pipe, $2.52; 1¼-in., $3.55 1½-in., $4.05; 2-in., $5.55; 2½-in., $8.50; 3-in. $11.00 per 100 feet. We also sell Boiler Tubes.

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Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

F. E.—The Best Advertising Medium.

A PRACTICAL HOUSE AT NEW LONDON

It is the central house of the E. S. Harkness range, and is connected to the wing houses on either side, by 11 ft. passage houses.

We show this single house to you just as a suggestion, as a starter for a larger range, that is, provided you can't build big all at once.

A single house like this, 25 feet wide, and divided into two compartments, will grow a quantity of flowers or vegetables, and later you can add houses with least expense.

Having the work room in a central location at the back, makes it handy for the gardener, and just about the most economical arrangement for equal heat distribution.
It is our Iron Frame Construction—the kind that lasts—the only kind worth building.

Hitchings & Company

Designing & Sales Offices, 1170 Broadway, New York

General Offices & Factory, Elizabeth, N. J.

Please mention the Exchange when writing.

1910

Our best wishes to our friends and customers for the New Year, and our thanks for their patronage in the past; 1909 was one of the most successful years in our history. For new orders, please do not delay your inquiries. We have booked a number of orders for the Spring delivery already; the next season promises again to be a lively one.

A. DIETSCH COMPANY

2640 Sheffield Ave. CHICAGO, ILL.

Greenhouse Material Hot-Bed Sash

Please mention the Exchange when writing.

Estimates Cheerfully Furnished

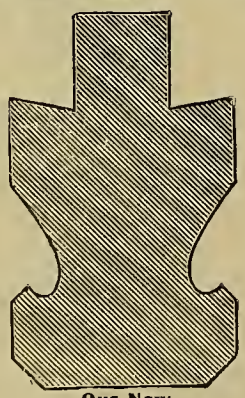
S. JACOBS & SONS

Get Our Prices and Catalogue

Established 1871 1365-1379 Flushing Ave. BROOKLYN, N. Y.

Clear Gulf Cypress
GREENHOUSE
MATERIAL
Cut and Spliced Ready for Erection
Pecky Cypress for Benches
We Carry 1,500,000 ft. of Louisiana Cypress in Stock

Everything for Erection
We carry the largest stock of
HOT-BED SASH
In the United States



Our New
VENT APPARATUS
Will Lift Easy 100 Feet

GREENHOUSE
20,000 Bxs. In Stock **GLASS** At Wholesale
LATEST UP-TO-DATE
Twin-Section Boilers
Pipe, Fittings, Valves
BRACE and SPLIT FITTINGS
WE INVITE COMPARISON
DOUBLE LIGHT
HOT-BED SASH
Requires No Covers

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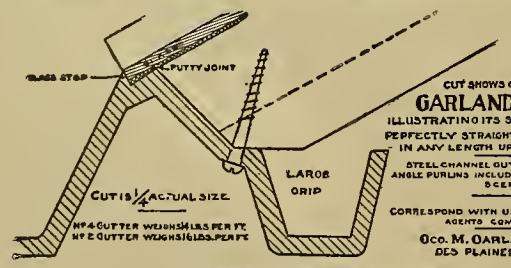

CUT SHOWS ONE SIDE OF
GARLAND GUTTER
ILLUSTRATING ITS SUPERIOR POINTS.
PERFECTLY STRAIGHT CASTINGS MADE IN ANY LENGTH UP TO EIGHT FEET
STEEL CHANNEL GUTTERS 30 CENTS PER FT.
ANGLE PURLINS INCLUDING FITTINGS 5 CENTS PER FT.
CORRESPOND WITH US DIRECT AND SAVE AGENTS COMMISSION
OCO. M. GARLAND CO.
DES PLAINES, ILLINOIS

Please mention the Exchange when writing.

KEEP A
HOLLY STANDARD CIRCULATOR
busy and watch results.
SUB-TARGET GUN CO.,
STEAM ENGINEERING DEPARTMENT
216 High Street, BOSTON, MASS.
Please mention the Exchange when writing.

The Florists' Exchange is exclusively a Trade Paper. Prices at which stock is offered in these columns are intended for the Trade only.

Greenwich, Conn.

The principal occupation of this town seems to be gardening, as the numerous large owners of property have excluded all manufacturing plants and nearly all have greenhouses in which a large number of men are employed. Greenwich has an association called the Greenwich Gardeners' Society, which has nearly 30 members and is still growing. Mr. Flattery is president, and hopes to build the society up to a possible 100 members living within a short distance of this village. The meetings are held on the first Wednesday of each month.

Alex. Mead & Son have a fine store at 225 Greenwich ave. and some 35,000 ft. of glass about ten minutes walk from the store. Alex. Mead has been in the trade for 41 years, and is one of the oldest florists in this part of the State. He still retains managership over the business and can be found either at the store or greenhouses at any time. The store was opened within a year ago, and during the past Summer two new houses were erected for Carnation growing. Geo. Carbouche, the Rose grower, has several houses of Roses and one of Violets. The Roses are off crop just at present but show evidence of something good to come shortly. A Burnham boiler has just been installed.

MacMillen & Co. have just opened a new store in the new Carroll and Woolland Building, and have a store which compares favorably with some of the larger stores in other cities from the standpoint of appearance and furnishings. Mr. MacMillen is one of the old-time florists and is a charter member of the S. A. F. Trade is reported as being very good and he is busy preparing for the holiday rush. He came here two years ago from New York City.

Mamaroneck, N. Y.

One of the commercial places here worth visiting is that of the firm of Carrillo & Baldwin who recently purchased the Marshall place known as Hilltop Farm. This well-known firm of Orchid growers took possession a few weeks ago moving here from Secaucus, N. J. At present they have about 10,000 sq. ft. of glass and are building another house 50 by 125 ft. and a packing and storage building 18 by 53 ft. Their collection of commercial Orchids embraces about 15,000 plants. The farm is 15 acres in extent, and the buildings include dwellings, stables, sheds, chicken houses, office and pump house, all of which are of first-class construction, and cost the former owner about $80,000 to build. The greenhouses are of the U-Bar construction.

John Moll, Weaver st., has at present 5,000 ft. of glass devoted to Carnations, Sweet Peas, Stevia and Narcissus. He also has a small house in which he grows bedding stock to supply the local trade. He is preparing a nursery of four acres, having found it necessary, in order to supply the needs of his landscape work, in which he is kept busy most of the season. Mr. Moll has been in his present location for the past ten years.

Thorwald Jensen of Boston Post rd. has nearly 25,000 ft. of glass, mainly devoted to Carnations, of which he ships large quantities. Several houses are utilized for Smilax and Asparagus. Mr. Jensen forces a quantity of Lilac and has just received a large quantity of stock for this purpose. Considerable Freesia is now being grown and he also has one house of Violets. He was formerly a Violet grower, but in the past few years has almost given them up.

W. H. Daniels, Boston Post rd., has several houses in which he grows Freesia, Forget-me-not, Carnations and a line of Spring stock. He grew a large quantity of Pompon 'Mums, but as the demand was not good this season he will not grow them next year. In former years he had a big demand for these flowers. Considerable retail trade is done at the establishment.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
2 to 8 DUANE ST., NEW YORK

A Peep Into One of Our Greenhouses

Outside, the mercury stood at 10 below when this picture was taken. Inside, butter beans were flourishing on the middle bench; tomatoes ripe on the left-hand one, and over in the corner a little arbor of Cucumber vines was laden with "cukes" over a foot long—in the next compartment were yellow, pink and white roses.

There certainly is an immense satisfaction in having a greenhouse—but be sure to have the right kind.

U-Bar houses, because of their superior construction, are more attractive, grow better flowers, and are freest from repairs. The catalogue fully explains it all. Send for it.

U-BAR GREENHOUSES

PIERSON U-BAR CO.

DESIGNERS AND BUILDERS 1 MADISON AVE., NEW YORK

Please mention the Exchange when writing.

Are you going to build a **Sash Bar, Semi-Iron Frame** or **Iron Frame Greenhouse?** We have interested others in our methods of construction and in our prices—why not you?

ISAAC CASSIDY,
Summer Ave. and Erie R. R.
NEWARK, N. J.

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THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

Send for Circulars DILLER, CASKEY & KEEN. Successors to JENNINGS BROS.

S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Coming Exhibitions

Boston, Mass., May 26-30, 1910.—Great Exhibition of Orchids and other plants, by the Massachusetts Horticultural Society. Secretary, William P. Rich.

Denver, Col., January 3-8, 1910.—Colorado National Apple Exposition in the Auditorium. Secretary, Clinton Lawrence Oliver, P. O. Box 1504, Denver.

New York, March 16-18, 1910.—Exhibition of The American Rose Society, at the American Museum of Natural History, 77th st. and Central Park West. Secretary, Benjamin Hammond, Fishkill-on-Hudson, N. Y.

Pittsburg, Pa., January 26-27, 1910.—Exhibition of the American Carnation Society, Secretary, A. F. J. Bauer, Indianapolis, Ind.

Albany, N. Y.

Christmas sales this year among the local florists has been up to the standard of previous years, cut flowers and evergreens finding a ready sale and bringing good prices with stock plentiful. Holly was in great demand here, every florist in the city being cleaned completely out before Christmas eve.

Funeral work has been active the past week, all being kept busy, as there have been a number of deaths among the most prominent citizens.

At the regular monthly meeting of the Albany Florists' Club it was decided to hold the regular annual banquet on the evening of Jan. 13, at Stanwix Hall. Preparations are being made for one hundred plates, and the event promises a great time among the florists. The next regular meeting of the Club will be held at their new rooms, first Thursday in January, which they have leased for the coming year at 75 State st., at which time final preparations will be made for the coming banquet. The installation of the new officers for the year 1910 will also take place at that time. W. C. K.

Schenectady, N. Y.

Signs of returning prosperity are beginning to appear here in the local flower stores. Most of the florists have reported better Christmas trade than last year. Potted plants, of which there was a large variety, took well, and cut flowers were in good demand, the prices on some of the latter being lower than last season. Weather conditions were also favorable and made deliveries easy of accomplishment. Only a few delays in express shipments were reported.

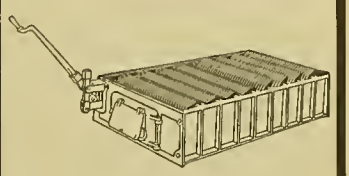
Funeral work has been quite a part of the December business, and a few weddings have also added their share. New Year and "coming out" parties will also help the last week of the month, which is sometimes dull after Christmas.

Many are interested in the skating rink which J. W. Grupe has opened in connection with his greenhouses. It is a new venture here in town and seems to be a paying investment. Mr. Grune says he is very much pleased with it and reports a good holiday patronage, not only in the rink but also at the greenhouses.

Chas. Limmer made a short business trip on Dec. 6, visiting A. N. Pierson's place in Cromwell, Conn., some of the Rutherford, N. J. growers, and also a few New York houses. B.

Prices Advertised in these Columns are for THE TRADE ONLY

The Burnham GRATES



Grates are ridged on top—double trussed underneath, so that they smash the clinkers and not the grate. They dump to the front, which makes ash removal easy.

SEND FOR CATALOG

LORD & BURNHAM CO.
IRVINGTON, N. Y.
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SIZES OUR SPECIALTY
IMMENSE STOCK
Plate and Window Glass
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GREENHOUSE GLASS
ALL SIZES
16x24 A. & B. Double a Specialty
C. S. WEBER & CO.,
10 Desbrosses St., New York

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For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS

N. COWEN'S SON,
14 & 16 Wooster Street, New York

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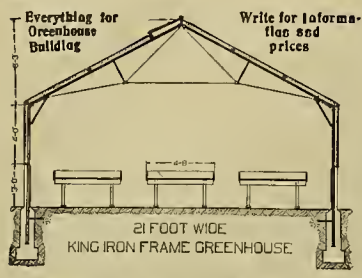
We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over Write for circulars and prices

The A. T. Stearns Lumber Co.
NEPONSET, Boston, Mass.



In Widths from 14'0" to 54'0" Without Posts

KING TRUSS SASH BAR HOUSES
IRON GUTTERS AND EAVES
VENTILATING MACHINERY

King Construction Company
N. Tonawanda, N. Y.

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THINK THIS OVER

OUR factory has turned out more cypress greenhouses than any other factory in America. We have furnished the largest range in the world and the finest commercial plant in existence to-day. For forty years we have been in business. Greenhouses have been supplied to every State in the Union, to Canada and Mexico and to Europe. . . . There are more commercial greenhouses in the U. S. of our manufacture than of any other firm in existence. You can buy the house all complete from us, or we'll furnish any part of it. . . .

Greenhouse and Boiler catalogs sent free on request.

John C. Moninger Co.
CHICAGO, ILL.
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THE IRON FRAME OF OUR SEMI-IRON HOUSE

ALL our construction moves have been continually towards reducing the wooden members or substituting them entirely with iron.

Now take that Semi-Iron House of ours—it practically has a Complete Iron Frame. The side posts are of guaranteed wrought bar iron, with our Patented Galvanized Eave Plate. The roof between the eaves is supported by our patented Clamp Pipe Frame.

The Purlins are of 1¼ inch pipe, strongly fastened to the bars by metal binders, and clamped to the pipe columns by Clamp Column Fittings.

The Giant Arch is a support of great lightness, but has tremendous strength, and is made by clamping together the purlins, columns and cross ties.

All colums are set in adjustable cast iron foot pieces.

The sash bars are firmly anchored to the eave plate by our Patent Sash Bar Clasps, and each pair of opposite bars on either side of the ridge, in addition to being nailed, is bound to it by the Ridge-Holdfast.

So you see the entire frame is of iron, and the only wooden members that go into the completed superstructure are the bars, ridge and sash.

Now when you compare estimates—ours with others—compare item for item—actually what is specified in black and white.

When it comes to deciding, also bear in mind that L. & B. have a reputation from Maine to California for doing everything they do with the greatest care and thoroughness. It costs to do things right in the first place, but it is a great deal cheaper in the end.

Don't think of placing your order until carefully sizing up our constructions and honestly comparing prizes and quality.

LORD AND BURNHAM COMPANY IRVINGTON, N. Y.

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Write to us about your
Materials and Plans
for any size and style of
GREENHOUSE
for new structure or repairs.

Hot-Bed Sash
in stock or any size required.

Pecky Cypress Benches
most lasting—least expensive.

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Western Ave. and 26th St.,
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A. HERRMANN
Manufacturer of **Floral Metal Designs**
IMPORTER AND DEALER IN FLORISTS' SUPPLIES
FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK
Office and Warerooms: 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

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SUMMER IN WINTER
BY USING
Standard Greenhouse Boilers
One cent gets our catalog.
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Evans Improved Challenge
Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.
Write for catalogue and prices before placing your orders elsewhere.
QUAKER CITY MACHINE CO.
RICHMOND, IND.

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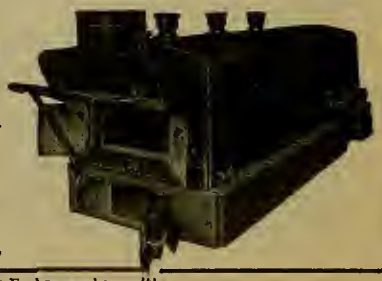
THE KROESCHELL BOILER
IS THE ONLY PERFECT
HOT WATER BOILER
No. 1 FOR SMALL GREENHOUSES
No. 15 FOR A RANGE OF 50,000 SQ. FT. GLASS HEATED TO 60 AT 15 BELOW ZERO.
Prices and Catalogue on application.
KROESCHELL BROS. CO.
468 Erie Street, CHICAGO



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F. E.—The Best Advertising Medium

THE FLORISTS' EXCHANGE

We are a straight shoot and aim [illegible] into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 2 NEW YORK AND CHICAGO, JANUARY 8, 1910 One Dollar Per Year

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of the different varieties of

NEPHROLEPIS

which will be found one of the best-selling and most profitable plants that florists can handle. Our stock is in unusually fine shape, and we will guarantee it will please the most exacting, as it is exceptionally good value at the prices quoted.

Improved Elegantissima. The finest of all this type. It was introduced by us in 1905. This form of Elegantissima has been greatly improved, and shows no tendency to revert to the Boston, making it the most valuable fern of this type.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8-in., $12.00 to $18.00 per dozen—according to size.

Superbissima. Introduced by us in 1908. A very unique and distinct novelty. Its distinguishing characteristics are its dark green foliage and dense growth. Fronds are very heavily imbricated, making them very dense and compact.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8 in., $12.00 to $18.00 per dozen—according to size.

Bostoniensis, Piersoni, Whitmani, Scottii—Extra fine plants, 6-in. pots, $6.00 per dozen; 8-in. pans, $12.00 per dozen.

F. R. PIERSON CO. Tarrytown-on-Hudson New York

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

Our **Catalogue for 1910** is out and we wish to call attention to the many good things offered therein. As usual, we are making a specialty of **grafted and own-root Roses.** We have arranged to graft 350,000 Rose plants this year. We call special attention to the following:

WHITE KILLARNEY (Waban Strain)

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.50 "	8.00 "	75.00 "

KILLARNEY

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

MY MARYLAND

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	6.00 "	50.00 "

RICHMOND, KAISERIN, BRIDES and 'MAIDS

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

We offer over thirty varieties of Roses and refer you to our catalogue for the complete list. If your name is not on our list, kindly drop us a postal card and we will be glad to mail you a copy.

Please mention the Exchange when writing.

ASPARAGUS Plumosus Nanus

CUT STRINGS, 50 cts. each

Exceptionally fine plants of

Asparagus Sprengeri

2 1/4 in. stock, $30.00 per 1000

W. H. ELLIOTT

BRIGHTON, MASS.

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GERANIUMS

Our NEW Illustrated Descriptive Catalogue will be ready for distribution January 15th. It will be the handsomest and most complete Geranium catalogue ever issued, and is free to the trade.

We are revising our mailing list and would suggest that if you are interested you send us your name on a postal card. We claim to have the largest and most complete collection in the country, and an immense stock for immediate shipment from 2-in. pots of good standard sorts, at **$2.00** per 100, **$18.50** per 1000 and up to **50 cts.** each for New Varieties.

We have a splendid stock, in 2-in. pots, of the following at $2.00 per 100:

DOUBLE LOBELIA, Kathleen Mallard; ALYSSUM, Giant and Dwarf; LEMON VERBENAS; FUCHSIAS, 6 Varieties; COLEUS, Verschaffeltii and Golden Bedder; LANTANAS, 8 varieties; IVY LEAVED GERANIUMS, 6 Varieties; SCENTED GERANIUMS.

DOUBLE PETUNIAS, mixed colors, $3.00 per 100.

CANNA ROOTS, home grown, 1,000,000, good strong division, at $18.50 per 1000. **King Humbert,** $6.00 per 100, $50.00 per 1,000.

DAHLIA ROOTS, whole field clumps, $5.00 per 100 and up.

R. VINCENT, JR. & SONS CO.

WHITE MARSH, MD.

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Contents and Index to Advertisers, Page 49

SEASONABLE WANTS

	Per 100	Per 1000
LILY OF THE VALLEY PIPS	$1.25	$11.00
	Trade Pkt.	Per Oz.
AGERATUM, Imperial Dwarf Blue	$0.10	$0.20
ASPARAGUS PLUMOSUS NANUS.....1000 seeds $3.50		
ASTER, Perfection, in colors	.25	1.25
BEGONIA, Vernon	.25	2.50
BELLIS PERENNIS, named sorts	.25	1.25
CANDYTUFT, Empress	.10	.20
CENTAUREA, Gymnocarpa	.15	.35
COBÆA SCANDENS	.15	.40
CYCLAMENS GIGANTEUM, in colors...100 seeds $0.75		
LOBELIA, Crystal Palace Compacta	.25	1.25
MYOSOTIS, Dwarf Victoria	.25	.80
RESEDA, Machet	.10	.25
SALVIA, Bonfire	.25	2.50
STOCKS, Large Flowering, in colors	.25	2.50
SWEET PEAS, forcing varieties.....Per lb., $0.75		
VERBENAS, Elliott's Mammoth	.25	1.00
VINCAS, in colors	.15	.50
MUSHROOM SPAWN, English....Per 100 lbs., $7.00		
CLAY'S FERTILIZER..... Per 56-lb. bags 3.25		
SPHAGNUM MOSS .....Per bale 2.00		
SCOTCH SOOT .....Per 100 lbs. 3.50		

WM. ELLIOTT & SONS
42 Vesey St., NEW YORK

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Dreer's Double Petunias

Our DOUBLE PETUNIAS, for more than half a century, have been the acknowledged standard. The strain this season is equal in high quality to its predecessors, and is well known to the trade.

We offer fifteen distinct varieties, in strong 3-in. pots, which will quickly furnish an abundance of cuttings.

Strong 3-inch pots, 75 cts. per doz., $6.00 per 100. The set of 15 for $1.00.

SEED OF OUR

Superb Strain of Fringed Petunias

DOUBLE, 75 cts. per 500 seeds, $1.50 per 1000 Seeds.
SINGLE, 50 cts. per trade pkt., $1.00 per 1-16 oz., $1.50 per 1-8 oz.

OUR QUARTERLY WHOLESALE PRICE LIST, issued January 1st., offers a full line of seasonable Plants, Seeds and Bulbs.

HENRY A. DREER, Philadelphia, Pa.

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WEEBER & DON, Seed Merchants & Growers 114 Chambers St., N. Y.
Spiraea, Astilboides, Floribunda, Nana Compacta.
Lily of the Valley Pips, Lily of the Valley Clumps
Hardy Lilies.
Mushroom Spawn, English and Pure Culture.
Special prices on application

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CHOICE GERMAN
FLOWER SEEDS
Catalogue free on application
Stamp letters 5 cents; foreign post cards 2 cents
FREDERICK ROEMER,
Seed Grower Quedlinburg, Germany

Please mention the Exchange when writing.

XXX SEEDS

SALVIA, Wm. Pfitzer, extra fine, dwarf, very fiery red. Trade pkt. 25c.
ALYSSUM COMPACTUM, most dwarf and compact variety grown, perfect balls when grown in pots, pkt. 20c.
PETUNIA STAR, improved, finest marked flowers, very fine, pkt. 20c.
PETUNIA, GIANT, single fringed large and fine, pkt. 20c.
PHLOX DRUM. PUMILA, very dwarf, grand for pots, fine color, pkt. 20c.
CHINESE PRIMROSE, finest grown, single and double, mixed, 500 seeds, $1.00; ½ pkt. 50c.
PRIMULA KEWENSIS, the grand new sweet-scented yellow Primrose, pkt. 20c.
CINERARIA, large-flowering dwarf, mixed, 1000 seeds, 50c.; ½ pkt. 25c.
CYCLAMEN GIGANTEUM, finest giants, mixed, 200 seeds, $1.00; ½ pkt. 50c.
GIANT PANSY, finest grown, critically selected, 6000 seeds, $1.00; ½ pkt. 50c.; oz. $2.50.
COLEUS, New Hybrids, fine colors, pkt. 20c.
VERBENA, Improved Mammoth, finest giants grown, mixed or separate of white, scarlet, pink, striped and auricula-eyed. Large trade pkt. 25c.
CASH. Liberal extra count.

JOHN F. RUPP, Shiremanstown, Pa.
RUPPTON: The Home of Primroses

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Vegetable Seeds
FOR FORCING

Stokes' Standards are Always the Finest Strains

Tomato, Bonny Best Early, the finest tomato for forcing known; better than the Comet or Lorillard. Seed specially saved for greenhouse growing. Pkt., 20c.; ½ oz., 75c.; oz., $1.25.
Radish, Prussian Globe, ¼ lb., 20c.; lb., 60c.
Radish, Stokes' Scarlet Globe, ¼ lb., 20c., 1 lb., 60c.
Lettuce, Grand Rapids Forcing, oz., 10c.; ¼ lb., 35c.; lb., $1.25.
Lettuce, Stokes' Big Boston, oz., 10c.; ¼ lb., 35c.; lb., $1.25.
Add postage, 8c. per lb., if wanted by mail.

Let me estimate on your Spring requirements for vegetable seeds.

Stokes' Seed Store
219 Market St., Philadelphia, Pa.

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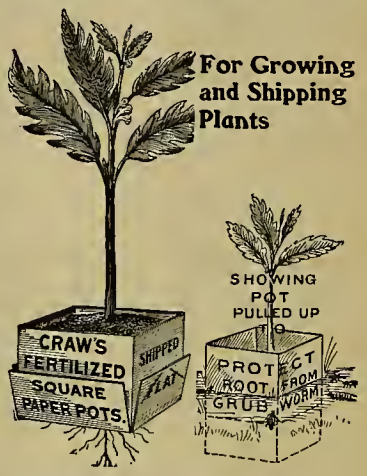
S. & W. CO.'S
Fertilized Flower Pots



Made of Extra Heavy Manila Waterproof Card Board, Fertilized, Wire Stitched Seams, Perfect Drainage and Shipped Flat.

If you grow Tomatoes or Pot Plants you cannot afford to pass over this.

These square pots economize space, give more room to the roots than the tapering round pots. In setting out plants the pots are not removed. Simply unlock the bottom flaps and turn them up (see cut), allowing the roots to grow down.

Size	Gross Weight Per 1000	250	1000
2¼ inch	....about 30 lbs.	....$1.00	$3.00
3 inch	....about 40 lbs.	.... 1.50	4.50
3½ inch	....about 50 lbs.	.... 1.75	5.50

In setting out plants unlock the bottom, pull pot up one inch and you have a wall to protect the roots against Grubs and Worms.

STUMPP & WALTER CO.
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Are all of exclusive, superior quality and are renowned throughout the country.

RAWSON'S FLOWER MARKET STOCK, a cut-come-again strain with enormous flowers on long spikes in the following colors:

	½ oz.	Oz.		½ oz.	Oz.
Brilliant Crimson	$0.60	$4.00	Dark Blood Red	$0.60	$4.00
Canary Yellow	.60	4.00	Flesh Color	.60	4.00
Dark Blue	.60	4.00	Light Blue	.60	4.00
Rose				.60	4.00
And PURE WHITE				.75	5.00
All Colors Mixed				.60	4.00

W. W. RAWSON & Co. Arlington Tested SEEDS BOSTON, MASS.

OUR "NICE" STRAINS

Beauty of Nice, soft pink	.50	3.50
Queen of Alexandria, delicate lavender	.75	5.00
Blanche Superb, pure white	.50	3.00

W. W. RAWSON & COMPANY
SEEDSMEN, BOSTON, MASS.

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ASTERS
Should Send for Our Aster Book Immediately

Get your name on our files for our regular **Florists' Wholesale Catalogue.** These books are free.

JAMES VICK'S SONS
ROCHESTER, N. Y.
Mention this paper

Try The Following

CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
PANSY—"Burnett's Gorgeous Strain."
STOCKS—"Burnett's Perpetual White."
CAULIFLOWER—Burnett's Selected "Snowball."

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Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt.

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MAKE THE GREENHOUSE PAY

THE DEMAND IS GREATER THAN THE SUPPLY

LIVE SPAWN. From England's best maker. 10 lbs. 75c., 25 lbs $1.50, 100 lbs. $6.0 . 1000 lbs. $55.00. 250 lbs. at 1000 lb rate.

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Write for our Market Gardener's and Florist's wholesale catalogue just issued

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NEW CROP
FLOWER SEED

Verbena Mammoth, 7 Separate Colors or Mixed; oz. $1.00.
Salvia Splendens, oz. $1.25; **Boniire,** oz. $2.25; **Fireball,** oz $3.75; **Zurich,** oz. $5.00.
Fresh Tobacco Stems. Bale of 300 lbs. $1.75; ton, $9.00.

W. C. BECKERT
SEEDSMAN
03 Federal St., N. S., Pittsburg

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CABBAGE SEED

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
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Sweet Pea and Nasturtium Specialists

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Stock Seed
Fiske's Branching in all colors. Tr. pkt. 40c., oz. $4.00.
Pure White, tr. pkt. 50c., oz. $5.00.
Also **Beauty of Nice** strains.
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1018 & 518 MARKET STREET.
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Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
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We carry **in stock** all the **LEADING** and **UP-TO-DATE VARIETIES,** and have **MANY TESTIMONIALS as to QUALITY** and **TRUENESS of TYPE.** Catalogues Free.

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We are large growers of and dealers in Onion Seed and Onion Sets.
Write for prices on 1909 crop.
Can also quote contract prices for the 1910 Onion Seed crop.

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Wakefield and Succession, $1.00 per 1000, $8.50 per 10,000.
PARSLEY, 25c. per 100, $1.25 per 1000.
LETTUCE, Big Boston, Boston Market and **Grand Rapids,** $1.00 per 1000 Cash with order.

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VAUGHAN'S SEED STORE
CHICAGO 84 Randolph Street NEW YORK 25 Barclay Street

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Watch for our Trade Mark stamped on every brick of Lambert's.

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

F. C. Trade Mark **American Spawn Co., St. Paul, Minn.**

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The Jennings Strain, fine field-grown plants, large-flowering, in great variety of fancy colors. Strong plants for cold frames, $3.00 per 1000, by express, 60c. per 100 by mail.

PANSY SEED, finest mixed, $5.00 per oz., $1.00 per pkt. of 4000 seeds. Sample of Pansy blooms by mail free.

E. B. JENNINGS, Lock Box 254 **Southport, Conn.**
Grower of the Finest Pansies

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GET QUOTATIONS FROM
LANDRETH SEEDS which SUCCEED
Bloomsdale Farms **Bristol, Pa.**

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F.E.—Best Advertising Medium

WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

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BOSTON, MASS.
SEEDS
For Florists, Market Gardeners and Critical Buyers
Wholesale list mailed to those using seeds in quantity

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JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.

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LILY OF THE VALLEY
Pips just arrived.
Our usual high grade quality. Also cold storage pips. Prices on Application.

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LILIUM TENUIFOLIUM

LILIUM WALLACEI
Single and Double TIGERS
Named Varieties of Elegans
GERMAN IRIS
DELPHINIUM FORMOSUM
E. S. MILLER
WADING RIVER, LONG ISLAND, N.Y.

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WARD'S LILY BULBS

"NOT HOW CHEAP— BUT HOW GOOD"

RALPH M. WARD & CO.
12 West Broadway—New York

AMERICAN SEED TRADE ASSOCIATION

President J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec. Leonard H. Vaughan Chicago.

We look for the year 1910 to be the greatest in the annals of the American Seed Trade. Those who make the greatest efforts (which includes advertising in all its forms, both wholesale and retail) are likely to be most benefited.

IMPORTS, ETC.—Dec. 27.—Stumpp & Walter Co., 4 cases bulbs. Dec. 28.—N. Y. Botanical Gardens, 1 crate plants; Stumpp & Walter C., 50 bags grass seed; American Express Co., 55 barrels grass seed; Burnett Bros., 29 bags grass seeds; Peter Henderson & Co., 169 bags grass seed; J. F. Noll & Co., 25 bags grass seed; Weber & Son, 25 bags grass seed; Vaughan's Seed Store, 20 cases plants; Lunham & Moore, 1 case plants; G. W. Sheldon & Co., 3 bags garden seed; C. B. Richard & Co., 13 cases flower roots; McHutchison & Co., 20 cases shrubs, trees and plants; Maltus & Ware, 16 cases flower roots and plants and 3 cases trees; J. M. Thorburn & Co., 30 bags grass seed; F. B. Vandegrift & Co., 67 bags garden seed and 20 pounds garden seeds. Dec. 29.—Soha Bros. & Pardo, 1 case plants; Perry, Ryer & Co., 3 boxes trees. Dec. 30.—Peter Henderson & Co., 58 bags seeds; C. C. Abel & Co., 60 cases trees; H. Nungesser, 100 pounds seed; Lunham & Moore, 11 pounds Clover seed. Dec. 31 and Jan. 1.—J. M. Thorburn & Co., 3 packages seed; Stumpp & Walter Co., 1 case seeds; Vaughan's Seed Store, 19 packages seed; F. B. Vandegrift & Co., 1 case flower seed; J. M. Thorburn & Co., 46 cases bulbs; McHutchison & Co., 75 cases bulbs; Julius Roehrs Co., 44 cases bulbs, 16 cases living plants; C. F. Dietrich, 2 pounds living plants; Peter Henderson & Co., 1 case seeds; Schulz & Ruckgaber, 7 bags seeds. Jan. 3.—Peter Henderson & Co., 9 packages seed; G. W. Sheldon & Co., 23 packages garden seeds; J. Monhan, 69 packages garden seed; Tice & Lynch, 94 packages garden seed; Thos. Mead & Co., 91 packages garden seed.

American Seed Trade Association

A special meeting of the Executive Committee of the American Seed Trade Association, called by President J. C. Robinson, was held at Young's Hotel, Boston, Mass., December 27, 28 and 29 last. It was, perhaps, the best attended meeting that has ever been held by this important Association and the interest manifested in the proceedings must have been gratifying to the officers.

There were present at these sessions, not only all the officers and directors of the above Association but also the execu-

Boddington's Quality Flower Seeds for Florists

SELECTED SEEDS, SUCCESSFULLY SOWN, SECURE SURE, SAFE AND SERVICEABLE SATISFACTION.

Remember you may deduct 5 per cent. if cash accompanies order.

AGERATUM

	Trade pkt.	Oz.
Mexicanum album	$0.10	$0.20
Blue Perfection	.15	.50
Imperial Dwarf Blue	.10	.25
Imperial Dwarf White	.10	.25
Little Dorrit	.15	.50
Swanley Blue	.10	.25

Little Blue Star, trade pkt. 25c., 6 pkts. for $1.00.

BODDINGTON'S MAUVE BEAUTY

Large Mauve flowers; dwarf compact, very free-flowering. A unique variety. Trade pkt. 10c., oz. 50c.

ALYSSUM

White Gem

A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. $1.00.

	Trade pkt.	Oz.	Lb.
Little Gem, dwarf, best for pots	$0.10	$0.20	$2.50
Carpet of Snow, for hanging baskets and borders	.10	.25	
Sweet (the old variety)	.10	.15	1.25

ASTERS

BODDINGTON'S Asters are famous. Write for catalogue of other varieties and prices.

QUEEN OF THE MARKET ASTERS

Boddington's Extra-Early

	Trade pkt.	Oz.
Pink	$0.15	$0.60
White	.15	.60
Light Blue	.15	.60
Dark Blue	.15	.60
Crimson	.15	.60
Rose	.15	.60
Flesh-Color	.15	.60
Light Rose	.15	.60
Scarlet	.15	.60
Red-Lilac	.15	.60
Finest Mixed	.15	.60

BODDINGTON'S GIANT ANTIRRHINUM

(Height, 3 Feet)

	Trade pkt.	Oz.
Coral-Red. Striking color	$0.20	$0.60
Carmine. Splendid color	.20	.60
Daybreak. Light pink	.20	.60
Brilliant. Scarlet, golden yellow and white	.20	.60
Crescia. Dark scarlet	.20	.60
Queen Victoria. Pure white	.25	1.00
Luteum. Yellow	.20	.60
Firefly. Scarlet	.20	.60
Romeo. Deep rose	.20	.60
Lilacinum. Beautiful lilac	.20	.60
Mixed	.20	.50

BRANCHING ASTERS

Vick's Branching

	Trade pkt.	¼ oz.	Oz.
Crimson	$0.25	$0.36	$1.00
White	.25	.36	1.00
Purple	.25	.36	1.00
Violet	.25	.36	1.00
Rose	.25	.36	1.00

Carlson's Branching

	Trade pkt.	¼ oz.	Oz.
Lavender	$0.25	$0.36	$1.00

Semple's Branching

	Trade pkt.	¼ oz.	Oz.
Shell-Pink	$0.25	$0.36	$1.00
Upright White	.25	.36	1.00

Trade pkt each of the collection of 8 varieties for $1.75.

BEGONIA

	Trade pkt.
Erfordii. Carmine, ⅛ oz., $1.00	$0.25
Semperflorens	.25
Vernon grandiflora, ½ ft. A fine bedding sort, with rich red flowers and glossy bronze-red foliage	.25

CINERARIA

Cineraria maritima. 1½ ft. Trade pkt. 10c., oz. 15c.

Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated. Trade pkt. 50c., $2.00 per oz.

CENTAUREA

	Oz.
Candidissima, 1000 seeds, 25c.	$1.00
Gymnocarpa, 1000 seeds, 15c.	.35

GREVILLEA ROBUSTA

	Trade pkt.	Oz.
(Silk Oak)	$0.10	$0.50

COBAEA

	Trade pkt.	Oz.
Scandens. H. P. Blue	$0.10	$0.20
Alba. White	.20	.75

LOBELIA

	Trade pkt.	Oz.
Erions gracilis. Trailing; light blue	$0.15	$0.50
Erinus speciosa. Deep blue; trailing	.15	.50
Crystal Palace compacta	.20	1.50
Emperor William compacta	.25	1.25

MIGNONETTE

Boddington's Majesty. The finest of all fancy varieties of Mignonetts for under glass or pot culture. Seeds saved from select spikes under glass. ½ trade pkt. 60c., trade pkt. $1.00.

MYOSOTIS

	Trade pkt.	Oz.
Eliza Fonrobert, excellent for pots, blue	$0.15	$0.60
Palustris Semperflorens, ever-blooming	.25	1.50

PETUNIAS

Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. ½ trade pkt. about 1000 seeds 60c., trade pkt. about 2000 seeds $1.00.

Boddington's Snowball, Double. The finest double; pure white, ½ trade pkt. 60c., trade pkt. $1.00.

BODDINGTON'S CENTURY PRIZE

Gigantic single flowers having the edges deeply ruffled or fluted; fine substance, with deep white throats. Colors vary from pure white to dark purple-violet, many being beautifully striped or veined. ½ trade pkt., about 1000 seeds 60c., trade pkt. about 2000 seeds $1.00.

	Trade pkt.
Boddington's Bar Harbor Beauty, Single. Color a beautiful rose	$0.25
Boddington's Ruffled Giants. A grand selection of single fringed Petunias	.50
Boddington's Inimitable Dwarf Compact Hybrids, Single. Flowers blotched and striped	.25

PETUNIAS—Continued

	Trade pkt.
Canary Bird. Medium size, finely fringed and curled borders; distinct yellow, which deepens in the throat. 6 pkts. $1.00	$0.25
Emperor. Single. Large blossoms, distinct in form coloring and marking. The solid colors are particularly rich and velvety, some of the crimson blossoms have pink stars, some pure white, while others are distinctly striped	.50
Howard's Star. Rich crimson, with a distinct white star in center	.25
Rosy Morn. Soft carmine pink	.25
Snowstorm. Pure single white	.25
Hybrida, Single Mixed, oz. 50c.	.15

PYRETHRUM

	Trade pkt.	Oz.
Aureum. (Golden Feather)	$0.10	$0.25
Selaginoides. Foliage fine serrated	.15	.50

SHAMROCK

	Trade pkt.	Oz.
(True Irish). Small-leaved	$0.25	$1.50

SALVIA

	Trade pkt.	Oz.
Clara Bedman (Bonfire). 1½ feet	$0.25	$2.00
Splendens (Scarlet Sage)	.25	1.00
Splendens. Ball of Fire. Very dwarf and early	.25	3.50
Splendens, Little Lord Fauntleroy. Neat and compact, upright and free-flowering	.50	4.00
Splendens aucubaefolia (Silver-spot). Dark green leaves, with light sulphur spots, resembling an aucuba, bright scarlet flower	.25	2.50
Splendens carminea (new). Splendid rose carmine Dwarf	.50	
Splendens gigantea. Attains the enormous height of 7 feet, highly recommended for groups or as an individual specimen	.50	
Splendens pendula. Drooping spikes	.25	2.00
Splendens, Boddington's Miniature. Early, dwarf, 12 in. and very free-flowering; covered the whole Summer with large flower spikes of rich scarlet	.50	
Splendens, Zurich	.50	5.00

QUALITY VERBENAS

	Trade pkt.	Oz.
Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed	$0.25	$1.00
Boddington's Mammoth Auricula-flowered. Large flowers with distinct white eye	.25	1.00
Boddington's Mammoth Blue	.25	1.00
Boddington's Mammoth Pink	.25	1.00
Boddington's Mammoth Scarlet Defiance. The finest scarlet sort	.25	1.00
Boddington's White (Candidissima). Pure white	.25	1.00
Boddington's Striped. Many colors	.25	1.00
Lemon (Aloysia citriodora)	.25	2.00

VINCA

	Trade pkt.	Oz.
Alba. White	$0.15	$0.50
Rosea. Rose	.15	.50
Rosea alba. Rose and white	.15	.60
Mixed	.10	.40

We are headquarters for Sweet Peas of every description. Our Wholesale Catalogue of Quality Seeds and Bulbs (ready January 1st), contains 52 pages of Seeds and Bulbs you need. Write for it today—a postcard will fetch it.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street NEW YORK CITY

Please mention the Exchange when writing.

tive committee of the National Association of Official Seed Analysts.

A large part of the work of these meetings were the conferences held with the National Association of Seed Analysts. The special committee which conferred with the Seed Analysts consisted of Chas. N. Page, Des Moines, Ia.; Charles D. Boyles, Chicago, Ill., and M. H. Duryea, New York.

The Wholesale Grass Seed Association was also represented at this meeting by President Albert McCullough of Cincinnati, O., Vice-President M. H. Duryea of New York, and Directors Chas. D. Boyles, George S. Green, and Charles Dickinson. Many important matters were taken into consideration relative to the handling of grass and clover seeds.

The annual convention of the American Seed Trade Association, it was arranged, will be held at Atlantic City, N. J., with the St. Charles Hotel as official headquarters, on June 21, 1910.

It has already been planned that interesting papers will be delivered at this convention.

The committees on legal affairs and seed legislation also held sessions during this Boston meeting. Among those present were the following:

President, J. C. Robinson, Waterloo, Neb.
First Vice-President, M. H. Duryea, New York.
Secretary-Treasurer, C. E. Kendel, Cleveland, O.
S. F. Willard, Wethersfield, Conn.
W. S. Woodruff, Orange, Conn.
Alexander Forbes, New York.
Chas. N. Page, Des Moines, Ia.
George S. Green, Chicago Ill.
Charles Dickinson, Chicago, Ill.
C. D. Boyles, Chicago, Ill.
W. H. Grenell, Pierrepont Manor, N. Y.
Chas. H. B. Breck, Boston, Mass.
Kirby B. White, Detroit, Mich.
Albert McCullough, Cincinnati, O
John Fottler, Jr., Boston, Mass.
C. N. Smith, Boston, Mass.
And many others.

American Notes

Preparing for the Spring Season

After the Christmas holidays until pretty well along into January there is always a very quiet period with the seed trade, in so far as retail sales are concerned; of course, wholesale orders continue to be booked in steady volume by the outside salesmen. As usual this lull in store counter trade is being taken advantage of to complete the seed packaging and other advance preparations for the coming Spring season. It is certainly unfortunate that in consequence of the long continued uncertainties regarding seed values, catalogs, as a whole, with the entire trade will average later in distribution than for many years; this will crowd much work into the next few weeks that by this time, customarily, is out of the way, so a very busy January is assured, even if orders are somewhat slow in starting. Regarding the outlook for a satisfactory seed selling season just ahead, the writer has, during the past month, been gathering the opinions of many prominent seedsmen, and the consensus of their judgment is that the largest seed business in our history will be accomplished in 1910.

Concerning Garden Peas

Not in years have our seedsmen been so anxious regarding the future crops of any seed as they are at present with reference to garden Peas. Speaking of the available supplies of garden Peas for next Spring's plantings, the situation is summed up as follows by Messrs. W. Atlee Burpee & Co., and what they so truly say will be voiced by every seedsman this year: "Peas are scarcer than has ever been known before. Most varieties of Garden Peas were nearly complete failures in America. From our intimate acquaintance with and personal inspections of stocks grown in England (although the crops there were also distressingly short), we have succeeded in making up most of our normal requirements. The prices paid, in most cases, have been double the usual cost of production, so that even with the higher prices quoted this season our margin of profit is less than half what is usually considered necessary and fair. Without a cent of profit (and we have very few cents on Peas this year) we prefer to protect our regular customers in supplying their usual requirements." Such a condition of affairs, as applied to any absolutely necessary garden seed, is bad enough even if it were only for one year; but "worse remains behind," what will probably be the outcome of the 1910 crop of garden seed Peas (the seed to be sold in 1911)? Of course, a bumper yield of all varieties of seed Peas next Summer would start conditions back a long way toward the normal; but that such will be the case, even allowing that a perfect growing season prevails, is not at all likely, and for the following well known reasons. In the first place, the same Peas that ten years ago yielded a return of 5 to 7 fold in seed to the number of bushels planted, today only return an average of about half that quantity of seed; in other words, to put it tersely, so very unsatisfactory has become of late years seed yields from garden Peas, that growers are experiencing the greatest difficulty—and such conditions are becoming intensified with each succeeding year—to persuade intelligent and careful farmers to take contracts for growing a seed crop that is fast coming to be considered of very uncertain yield. Again, so short have been the yields of garden Peas for seed purposes the last few years, that many growers have been tempted to sell largely of their seed stocks. Is it any wonder in the face of such facts as these, that our seedsmen are much worried regarding the future source of garden Pea seed supplies?

Large-Flowering Cannas

Among Spring bulbs the better varieties of the large-flowering dwarf-growing Cannas will be more popular than ever the coming season. The time is not so very long ago when Cannas were practically unknown, as compared with their present wonderful popularity. The Canna now certainly competes with the Geranium—no bedding plant will do better under any and all conditions. There are too many first quality Cannas nowadays to offer anything but the cream of the list. A dozen fine Canna roots or started plants, which can be sold for $1, will give the utmost satisfaction to customers and leave

a good profit for the seedsman. Do not overlook a good assortment of the large-flowering Cannas when arranging lists of bulb specialties for the coming season.

V.

New York Seed Trade Notes

The weather the past week has been the most Winterish so far this season; zero temperatures, and our streets blocked with snow from the storm of Christmas Day, which still impedes traffic. Immediate business is very little, but this condition is always expected between the holidays and the starting of a new seed selling year.

The many friends of James J. Comont (with Messrs. James Carter, Dunnett & Beale of London, England), will be glad to learn of his safe arrival home, after a very stormy passage. Mr. Comont writes that their wet weather still continues and prevents getting seed in fit condition to ship, consequently English seed deliveries to our side will be somewhat later than usual.

Several of our seedsmen are receiving quite short deliveries on Radish seed, their growers reporting that owing to some unknown reason the pods did not fill as usual.

S. D. Woodruff & Sons expect an especially active season; their business has increased very largely each year since having a New York headquarters, as they do at 82 and 84 Dey st. For the seed Potato business, of which they make a specialty, they have storage warehouses at Caribou and Monticello, Maine; also at Queens, Long Island; the seed farms are at Orange, Conn.

The trade will be sincerely sorry to learn that the day after Christmas, Charles Loechner of the Yokohama Nursery Company, Ltd., fell on the ice and sustained a broken leg. Mr. Loechner is in the Norwegian Hospital at Brooklyn. While Mr. Loechner is in the hospital, Miss Mills will be in charge at 31 Barclay st.

L. W. Wheeler, formerly of Vaughan's Seed Store, and more recently with the Braslan Seed Growers' Company of San José, California, will be in this city January 11 and 12 next, representing the following well known western seed growers: The Ebbert Seed Co. of Rocky Ford, Col. (Vine Seeds); Hogue, Kellogg Co. of Ventura, Cal. (Pole and Lima Beans); A. J. Pieters of Hollister, Cal. (Onion, Lettuce, Sweet Peas, etc.). Mr. Wheeler's many friends in the trade will be very glad to see him.

Vaughan's Seed Store continued their shipments of Tuberoses to Europe by several of the past week's steamers. These bulbs should give the utmost satisfaction, as in quality they are especially fine this season.

W. C. Langbridge of the Jerome B. Rice Seed Co., Cambridge, N. Y., was among our visitors the past week. Mr. Langbridge says he is convinced that the garden Bean crop is very much shorter than a great many realize.

Charles N. Page of Des Moines, Ia., the chairman of the executive committee of the American Seed Trade Association, was also a visitor in the past week. Mr. Page came East to attend a meeting of his Association at Boston, December 28, and was accompanied by his daughter.

Mr. W. B. van Eyk, representing G. W. van Gelderen of Boskoop, Holland, will arrive for his annual visit to our nurserymen early this month. Messrs. van Gelderen make a specialty of Rhododendrons, Clematis, shrubs for forcing, and Roses. During Mr. van Eyk's stay in this country his address will be, care of Maltus & Ware, 14 Stone st., New York.

J. M. Thorburn & Co. have devoted the back cover of their 1910 catalog to illustrating, in natural size and color, their new Eschscholtzia "Thorburni." This sterling novelty will be offered to the trade at $12.50 per 100 packets. A very large sale of this new annual is sure to follow its introduction; the retail rate is 25 cents.

At Boddington's both retail and wholesale catalogs are being mailed this week, and busy it makes things. This house has wonderfully increased its sales of Canna bulbs; in fact, already it has taken orders for a larger quantity than were disposed of up to March 1 a year ago. This week the usual select lines of florist's flower seeds, for first sowings, including Asters, Petunias, Salvias, Verbenas, etc., are being offered.

Martin C. Ebel has secured the rights for the manufacture of Aphine from George E. Talmadge, Inc., and has organized a new company under the title of "The Aphine Manufacturing Company," of Madison, N. J. The new management fully realizes the great value of Aphine as an insecticide, and as practical business men and horticulturists appreciate the absolute necessity of producing it in its most efficacious form. Under such management the quality of Aphine will be maintained at the very highest standard.

The following extract from a letter received by a New York seedsman this week may help to solve the Pea shortage question; any way, do not take it too seriously:

"Probably progressive seed merchants will (since the discovery has been made), all be soliciting the half-breed farmers of Labrador to take contracts for growing seed Peas. Of course, if the soil and climate is so extraordinarily favorable as to produce over twenty-fold of matured seed and, above all, as bright and dry as represented, many experienced farmers will go there to establish Pea farms. Certainly, there will not be any danger of the Pea-bug where the mercury every Winter for eight weeks falls to and remains at fifty degrees below zero, often sixty degrees under, even if it does climb up to eighty above during the three Summer months."

Rickards Bros. "Nonpareil" Lily of the Valley from Cold Storage

Some Fine Lily of the Valley

The picture shown is that of Lily of the Valley grown by Valentine Cleres, superintendent for Mr. F. S. Smithers of Glen Cove, N. Y., from stock furnished by Bridgeman's Seed Warehouse, Rickards' Bros., proprietors, of their cold storage variety "Nonpareil," after being forced 21 days. As seen at this office the color of foliage and growth of flower was all that could be desired.

A Seedsmen's Analyst

At the recent annual meeting in London of a society of seedsmen, representing seed merchants in all parts of the United Kingdom, it was recognized that the organization should have an analyst who would test seeds for the members in regard to their purity and growth. Professor Biffen of Cambridge was to be approached with a view to his acceptance of the position.

J. BOLGIANO & SON

WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS

BALTIMORE, MD.

Direct Importations

AT FOREIGN GROWERS' PRICES

From BELGIUM From HOLLAND Palms, Araucarias, Bay Trees, Azalea Indica, etc. Boxwood, Rhododendrons, pot grown Shrubs for forcing, etc., etc.

From GERMANY Valley Pips. Early or late forcing.

From ENGLAND English Manetti selected for grafting.

From JAPAN Lilium Longiflorum, Giganteum, Multiflorum, etc.

Full list of Japanese, Holland, English and French Nursery Stock

Write for catalogues, special lists, etc., mentioning the class of stock you are interested in.

RAFFIA 5 grades. Bale lots only.

Our business is import and wholesale only. Don't write unless you use sufficient to make direct separate importations

McHUTCHISON & CO.

17 MURRAY STREET NEW YORK

Please mention the Exchange when writing.

K. van Bourgondiën & Sons

HILLEGOM—HOLLAND

Extra Dutch Bulbs Extra

We beg to inform the Trade, that our Messrs. K. H. and C. J. van Bourgondiën have again arrived for their annual trips through the United States and Canada.

It will be of the greatest advantage to every firm needing **A1 Bulbs** to correspond with us and give us a trial. Our many years of successful business in the United States, which every year has increased, clearly proves enough. Address until May 1, 1910

K. H. van Bourgondiën, Care MALTUS & WARE, 14 Stone St, NEW YORK

Please mention the Exchange when writing.

DO NOT BE FOOLED

WITH CHEAP PRICES ON

GLADIOLI

Our prices may **seem high** but they are as **low** as **superior quality** will permit. Quality is more important than a small difference in price. Write us for prices.

WE ARE HEADQUARTERS

John Lewis Childs, FLORAL PARK, N. Y.

Please mention the Exchange when writing.

Lily Of The Valley!

FOR PROMPT DELIVERY

"EXPOSITION" GRADE This is an extra fancy grade of Berlin crowns. There are never enough of them to supply the demand. Out of Mr. Riemschneider's entire growing, he usually has only 50,000 to 75,000 of this grade, which is evidence of the care with which they are selected. **In cases of 2,000 crowns, at $30.00 per case.**

"PERFECTION" GRADE This is a true Berlin, extra selected, 3-year old, straight long, clean crown, with long, fibrous roots. Under proper treatment they force out with tall racemes bearing the maximum number of large bells, free from decay at the bottom. The foliage is ample but not too abundant. **In cases of 1,000 pips, at $13.00 per case.**

"HOLSATIA" GRADE These are suitable for later forcing, or for cold storage purposes, and are highly recommended to seedsmen. Very fine selected 3-year old Hamburg Pips, very heavy roots, extra strong growth. Will hold over well in cold storage and produce good flowers the following Fall. **In cases of 2,500 pips, at $30.00 per case.**

JACKSON & PERKINS CO., Newark, N. Y.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON

ATCO, N. J.

Please mention the Exchange when writing.

CANNAS 500,000 roots for Fall delivery in 100 leading kinds, $8.00 to $20.00 per 1000. Write for our list.

SHELLROAD GREENHOUSES, Grange, Baltimore, Md.

Largest Canna Growers in America.

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS

Williamstown Junction, N. J.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

F. E.—The Best Advertising Medium

Michell's New Crop Flower Seeds

Asparagus Plumosus Nanus

We Are Headquarters, Greenhouse Grown Seed, Extra Quality

100 Seeds	$0.50
500 "	2.00
1000 "	3.50
5000 "	16.00
10,000 "	30.00
25,000 "	70.00

Write for Our Handy Flower Seed Order Sheet

PETUNIA

California Giants, extra large flowers of the brightest colors, 1-16 oz. $2.00, tr. pkt. 50c.

Grandiflora Fringed, choicest mottled and striped, 1-16 oz. $2.00, tr. pkt. 50c.

Double Hybridized and Fringed, mixed. Per 500 seeds 75c., $1.50 per 1000 seeds.

PYRETHRUM

	Tr. pkt.	Oz.
Aureum (Golden Feather)	$0.10	$0.25

SALVIA

Ball of Fire	.50	3 75
Bonfire	.40	2.25
Splendens	.25	1.25
Zurich, extra early bloomer	.50	5.00

VERBENA MICHELL'S MAMMOTH FANCY STRAIN

Unexcelled for large size, purity of colors and free flowering qualities.

	Tr. Pkt.	Oz
Blue	$0.30	$1.25
Pink	.30	1.25
Scarlet	.30	1.25
Striped	.30	1.25
White	.30	1.25
Mixed	.30	1.00

VINCA

Alba. White with rose center	.15	.50
Alba Pura. Pure white	.15	.50
Rosea. Pink	.15	.50
Mixed	.15	.40

Also all other flower seeds

Henry F. Michell Co., 10th and Market Sts., Philadelphia, Pa.

Please mention the Exchange when writing.

EVANSVILLE, IND.—The Ohio Valley Seed Co. has increased its capital stock from $10,000 to $25,000.

The Barteldes Seed Company

Oklahoma City, Okla.

This enterprising company have an unrivaled seed industry in the great Southwest and established this one at Oklahoma City, their second large branch and warehouses, six years ago. They own a fine brick, 50x180 ft. two-story and basement building, situated on West Main st., five blocks from Broadway. This structure is specially adapted for their particular needs, and fully equipped for the conducting of a large wholesale and retail seed business. Besides this building, they have other warehouses in the city, and also run a branch retail store on East Second st., where a combination seed, flower and plant business is conducted.

The name of Barteldes has long been a well-known one, connected with the seed industry of America. The original store was established, 43 years ago, in Lawrence, Kansas, by the present head of the company. Twenty-five years ago a brother of Mr. Barteldes established a similar industry in Denver, Colo., which business was subsequently merged into the Barteldes Seed Co. Later, their Oklahoma City branch was instituted and is now the distributing point for the immense territory of the Southwest.

The manager here, Mr. J. F. Hickey, is a gentleman whom it is a pleasure to meet. He was formerly a traveler for the firm and is fully cognizant of the needs of seed buyers generally. His experience, together with his genial affability, makes him particularly well fitted for the important position he occupies.

During our conversation with Mr. Hickey, we gleaned that a Southern seed business varies quite a little from a similar industry located in the North. The Spring season here lasts until June, due, no doubt, to the fact that farmers can get two or three crops in a season off the same piece of land; also owing to the Winters being so short and mild, as a rule, there is a great deal of Fall sowing done every year, all of which makes the seed business in this quarter practically devoid of dull seasons, as compared with some localities.

To handle the business here requires a force of 35 people in addition to the several travelling men who are continuously on the road. Seeds of all kinds are handled, farm, garden and flower. All farm seeds are recleaned (after coming from their growers) with their own special machinery. Bulbs and tubers of all kinds and variety, together with all farm and garden implements are also handled; in fact, any and all necessities for the farm or garden can be supplied through the Barteldes Seed Co.

That the establishing of the Oklahoma City branch has been a wise undertaking is exemplified through the way in which the business has increased yearly since its inception; during the past year (1909) the increase over the year previous has been fully 100 per cent.

S. S. BUTTERFIELD.

The Florists' Exchange is exclusively a Trade Paper. Prices at which stock is offered in these columns are intended for the Trade only.

An Important Seed Case

A case of importance to seedsmen of New York State has been decided by the Court of Appeals in a decision in which it is held that when a seedsman sells seed of a certain kind to a farmer the seller of the seed impliedly warrants that the seed is of the kind asked for by the purchaser and, if it turns out to be seed of another kind or of a weed, the purchaser can recover damages from the seed-seller for whatever damage the purchaser suffers from loss of crops and reseeding of his fields. The action was brought by George M. Depew, who owns a farm a short distance east of Canandaigua, against the Peck Hardware Company, a corporation engaged in the hardware business in Canandaigua and at other places and, also, selling grass seeds of various kinds. The amount demanded by Depew as his damages was a total of $822, and consisted of $700 as loss of a year's crop of Alfalfa, $80 for expense of plowing and fitting ten acres for reseeding and $42 for the cost of new seed to reseed the field, which Depew found necessary to plow up after a year's trial of the seed bought of the Peck company.

The action was first tried in County Court, where the jury rendered a verdict for Depew. The Peck company promptly appealed to the Appellate Division of the Supreme Court, which affirmed the decision of the lower court in a lengthy opinion written by Justice Spring. On an appeal to the Court of Appeals at Albany, the judgment of the lower courts was again affirmed.

The history of the case in brief is that Depew in 1904 went to the store of the Peck Hardware Company in Canandaigua, and asked to see some Alfalfa seed, with the intention of purchasing. He examined some seed, which the manager of the company produced before him and is said to have said was Alfalfa seed and the "best seed they could get." Depew purchased five bushels of the seed and sowed it on ten acres of his farm. In the Fall of that year the stand of Alfalfa appeared to be good, but in May, 1905, a large number of the plants supposed to be Alfalfa appeared to have yellow blossoms. Depew forwarded some of the yellow blossoms to the Geneva Experiment Station, and the experts there found that the plants were Trefoil and Dodder. It appeared that about half of the crop was of those plants. Another five acres, which was seeded with seed purchased from another dealer, showed the same proportion of weeds instead of Alfalfa, and that dealer when threatened with suit paid the damages claimed. The Peck company refused to pay anything, claiming that it was not liable, not having warranted the seed.

Crop Research in Palestine

To investigate the agriculture of ancient Palestine with a view to finding plants which will resist drought in the United States, an American company capitalized at $70,000 is being formed in Washington, D. C., by Dr. Aaron Aaronsohn, a Turkish agronomist.

Dr. Aaronsohn who has enlisted the co-operation of the Department of Agriculture officials at Washington, recently announced the discovery on the slopes of Mount Hebron of a wild wheat which he claims to be the prototype of modern wheat and to be hardy and drought-resistant, possible of development in the arid and semiarid regions of the world.

Turkey will share with the United States in carrying on agricultural exploration through a Jewish experiment station at Haifa. Plant industry and meteorological data will be exchanged between Washington and Haifa.

Forcing Gladiolus

Many florists plant these in boxes, or among their carnations, in the Winter. They are excellent for decorative purposes and realize good prices, either wholesale or retail. Gladiolus are a good catch crop and take up but little room. The following are the best for this purpose.

Gladiolus Gandavensis Hybrids

America. The flowers, which are of immense size, are of the most beautiful flesh-pink color. $3.25 per 100; $30.00 per 1000.

Augusta. The florists' best white Gladiolus.

Bulbs, 1½ to 1¾ in., $1.75 per 100; $16.00 per 1000.

Shakespeare. White and rose. $4.75 per 100; $45.00 per 1000.

May. Pure white, flaked rosy crimson; the best forcer. Selected bulbs, $1.75 per 100; $15.00 per 1000.

Brenchleyensis (true). Fiery scalet. Selected bulbs, $1.50 per 100; $13.00 per 1000. First size bulbs, $1.25 per 100; $10.00 per 1000.

Boddington's White and Light. Extra selected bulbs. 1¾ in. and up. $1.50 per 100; $14.00 per 1000.

American Hybrids. A mixture of the choicest varieties of Gladiolus in cultivation. $1.00 per 100; $9.00 per 1000.

Remember, you may deduct 5 per cent. if cash accompanies order.

ARTHUR T. BODDINGTON, Seedsman

342 West 14th Street NEW YORK CITY

Please mention the Exchange when writing.

Cleveland

With the weather conditions so ideal for New Year's Day, business was fairly good, retail orders coming in rather late but in time for morning deliveries. A great many New Year parties were held and corsage bouquets were in demand; they were of Violets and Valley principally, but Roman Hyacinths and pink Rose buds held their own and that helped to reduce stock.

There is a slight drop in prices. Red Carnations are selling for $4, $5 and $6 per 100, Beacon bringing the highest price; Roses $4 to $15 per 100, American Beauty $1 to $6 per doz.; Lilies and Callas $1.50 per doz.; Valley $4 per 100; Romans $3 and $4 per 100; Paperwhites $3 and $4 per 100; Stevia $1.50 per 100.

Gardenias were in demand this season but were hard to get, and prices have been way up. There is still a slight demand for Poinsettias, but they are poor now.

The Cleveland police force is endeavoring to enforce an ordinance against carrying concealed weapons, and while their efforts are producing results, some idiots still carry guns. While Mrs. Jessie Foote, one of our craft, was riding on a car, bound for home, some New Year roisterer shot a bullet into the car, and it penetrated her neck. Doctors have probed for the bullet, but have not yet found it; there are grave fears for her recovery. Mrs. Foote was employed by D. Charlesworth & Son on Euclid ave. and has been with them a number of years.

SPECIAL BARGAIN

To make room we will offer 250 fine **CALLAS** in 5-in. pots, ready to bloom. They need planting out or shifting into larger pots. Extra fine, choice, healthy stock, $2.50 per doz., $17.50 per 100, $40.00 for the lot. Speak quickly. Will make beautiful plants for Easter.

T. N. YATES & CO.,

7356 Germantown Ave.,

PHILADELPHIA, PA.

Please mention the Exchange when writing.

It seems to be quite the proper caper nowadays to present most everybody about to hold public office with a basket or bouquet of flowers at their installation to office, hence our councilmen who take office Monday night, are receiving all sorts of pretty remembrances from kind (?) friends.

The Florists' Exchange is handling some nice Killarney Roses.

The Cleveland Cut Flower Co. is getting in some very fine Valley from the F. R. Williams Co.

Albert Albrecht reports fine business and continues to put in his attractive window displays.

It is rumored that Peter Nichols, the Arcade florist, will sojourn at Hot Springs, Arkansas, for a while, on account of poor health.

Mrs. Lillian Gaul, of Graham's flower store, is just recovering from a very severe cold, while C. Graham's cold is still working overtime.

R. Walters, the 82d st. florist, is doing a fine business in funeral work. Robert, the son, is looking after the buying end.

O. G.

Prices Advertised in these Columns are for THE TRADE ONLY

AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-president; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer.

CARLINVILLE, ILL.—Will B. Otwell is discontinuing his nursery business and is advertising his growing stock for sale.

PORT ARTHUR, TEX.—C. D. Otis, a nurseryman of Lake Charles, La., is, it is understood, seeking the promotion of a plan to convert the famous Gates experimental farm into a nursery and experimental farm for the propagation of fruit and other trees, and on which are to be built greenhouses and other buildings for growing Ferns and Palms.

BERLIN, MD.—D. W. Babcock, who is a life-long nurseryman, graduating from the nurseries of western New York and foreman for J. G. Harrison & Sons of Berlin for the past ten years has leased the Dr. Hammond property on South Main st. for a term of years and will plant it to nursery and florist stock, making a specialty of forest and fruit tree and shrub seedlings, florists' bulbs, Roses and bedding plants.

Pinus flexilis The hardiness and desirability of the trees of the Rocky Mountains is taking a long time to impress itself on the minds of our planters. Here is one of the Pines of Colorado and New Mexico, desirable in every way, yet which could not be found in hardly any of the large collections of trees around us. The fault is mainly that of the nurserymen. Customers would get it and would be glad to have it, but where are the nurseries in which it could be obtained?

In common with all the coniferous trees of the region named, the Pinus flexilis is well adapted to the climate of the northern States. It is used to both cold in Winter and heat in Summer. Taking Santa Fé, New Mexico, as an example, the temperature of the seasons average nearly as they do in Pennsylvania, and all the trees of that region and of Colorado grow well here.

A Pinus flexilis tree would grace any grounds. Its appearance may be judged of from the illustration presented of a tree, about 10 feet high, perhaps the largest one of its kind in Philadelphia.

Seeds of this Pine are easily had from where it grows wild, and no one has an excuse for not growing it. In company with Pinus aristata, Picea pungens, P. Engelmanni, and the Douglas Spruce of Colorado it will find its way ultimately into all collections where beautiful and rare trees are desired.

The tree from which our photograph was taken was raised from a cutting sent home from Colorado, many years ago, by the late Thomas Meehan, when on one of his travels.

A Thicket of Wistarias As a vine, the Wistaria is in common use, often seen to great advantage climbing over trellises near dwellings, and often on the dwellings themselves. The Chinese is the one generally seen, it being the one most effective of all. A pleasing display is made by setting this vine to form a thicket, one or two, or more, being set together to grow as they will, one climbing over the other often. Sometimes a vine is planted to a partly dead bush, or one that is not valued, the bush acting as a support to the vine, and even if it kills the shrub, which it may do, it wont matter. The Wistaria shoots only need support for a year or two, which the shrub will give, after which it will support itself, the shoots becoming stiff enough to sustain themselves without aid. A tangle of Wistaria of this nature fits in well on the front of a woods, or in a corner, much better than when setting out by itself on a lawn. It makes a rather flat, spreading growth, following the line of its long shoots, for though in bush shape, as one may say, it still remembers it is a vine and makes growth accordingly.

On some old estates in our older cities this Wistaria has mounted to the tops of trees 50 ft. high, forming, when in flower, a display unequaled in the way of unique character.

The best time to set a Wistaria is in Spring. But little root can be had with it, hence the importance of pruning in the top well at planting. The vine is, in a way, tenacious of life. It sometimes remains as planted in Spring, without leaves, until a whole year has passed, then makes a start; so if one finds a vine of it that has not grown and the wood is green, as shown by scratching its bark, hope may be entertained that it will leaf out with the return of Spring.

Melias True From Seed An enquiry comes to us from a correspondent in Alabama whether the Melia umbraculiformis, the Texas Umbrella Tree as it is called, will come true from seed. As this tree is not quite hardy enough to take its place among the hardy trees of Philadelphia, no experience from practical work is at hand to enable an answer to be given, but those acquainted with the tree in the South, where it is well known because of its use and beauty as a shade tree, say that it can be relied on to come true from seed. It differs so much, and to its advantage, from the common China tree, Melia Azedarach, that the one is not as good as the other. The M. umbraculiformis is the Umbrella Tree of the South, so named because that its growth resembles a huge umbrella something in the way old specimens of the Catalpa Bungei, as it is called, look when of large size.

Besides this, it has fragrant white, lilac-colored flowers, followed by transparent amber-colored seeds, both of which add to its merits. The seeds are so ornamental that botanies tell us they are often used as beads to form a rosary, in Catholic countries. It is popular all through the South and in California, and as it will live out in Philadelphia, in a sheltered, sunny place, it is proof that it could be planted, say from Virginia, southward.

Pinus flexilis. A Favorite Rocky Mountain Pine

An Evergreen for Screening Our native Arborvitæ, Thuja occidentalis, has long been known for its usefulness in planting where a spreading evergreen was not desired, and yet one to make some height was requisite, as it fitted the purpose exactly. In this respect it stands alone among evergreens, there being no other kinds of similar character. Slim growers can be had in the way of some Junipers and Yews, but in no case is there one just as good as the American Arborvitæ.

There are some types of the Red Cedar which are comparatively of slim growth, still they are not as good as the Arborvitæ; and besides this there is a fungus that

We expect the year of 1910 to be the greatest in the annals of the Nursery Trade—Are you prepared to work for and win your share?

sometimes attacks and breeds on these trees, which is apt to spread to fruit trees should there be any near. The Irish and other slim growing Junipers are not tall growing and are not reliable in retaining their foliage unblemished, so that there is absolutely no other evergreen to take the place of the Arborvitæ.

The Hemlock, Tsuga Canadensis, can be used as a substitute. It spreads, of course, but it can be kept in bounds by trimming, submitting to it better than many evergreens would, so that it can be kept in control for many years.

There is the Chinese Arborvitæ, Thuja orientalis, a tall, slim growing species, but it is hardly as compact a grower as occidentalis. Seedlings from its variety, the golden, T. aurea, will often give a compact, erect growing form, but whether these forms have been propagated in Europe is not known, as none appear to be offered for sale.

Xanthoceras Sorbifolia When growing in a shrubbery the Xanoceras sorbifolia becomes a shrub of large size, but this need not deter those who wish to grow it in pots for forcing purposes, for, when quite small, the plants flower freely. It is beautiful when in bloom, the flowers being white and borne in racemes. As they come with the foliage, in early Spring, but little forcing is required to bring forth its flowers, which adds to its desirability as a shrub for forcing. Six weeks of greenhouse growth would bring it into flower.

When to be used for forcing for Easter the plants should be potted in Autumn, so that they may be well settled by Spring. Plants that have been transplanted often are the best for forcing. The check this gives them is in favor of their flowering, besides this such plants are better rooted, ensuring good growth and flowers.

This shrub is a Chinese one, and, though no one would think so from its appearance, it is closely allied to the Horse Chestnut in botanical relationship.

Weeping Hazel One of the most interesting shrubs in the weeping or drooping class is the Weeping Hazel, as it is called, a variety of the European Hazel, but having larger leaves than the common Avellana, which indicates that it may be a variety of some of the Filberts, they being in themselves but varieties of Avellana. The most of these Filberts have quite large leaves.

The weeping one, the subject of our notes, forms a large spreading bush, making when but 6 to 8 ft. high a diameter equalling the height, the branches drooping in a most pleasing manner.

There are but very few of this Hazel in collections here, so far, but there will be more when its merits are known.

As all Hazels are propagated from cuttings and layers without difficulty, there should be no trouble in nurserymen soon getting up a stock of it, the cuttings being made in Winter, placed in sand in a cool cellar, and planted out in Spring; layering is done in Midsummer, using the shoots of the same season for the purpose.

It is likely that the seedlings of this Weeping Hazel would come true from seed, but as a rule no variety can be depended on to do it. Some may come true, others not, at least this is how seedlings of most varieties turn out.

The Pecan Nut Industry One would suppose that with the forests of Pecans in some of the southern States there would be no call to set out orchards of them in other States, but it seems that no matter how abundant a fruit, or nuts, may be in a wild state, there is always a profit, or supposed one, growing them in orchards. However, the interest displayed in setting out Pecans is not connected with seedlings from wild ones, but with improved kinds, soft shelled and others, propagated by grafting on the common seedlings.

Anyone expecting to set out trees of Pecans should plant the grafted ones, and not rely on seedlings from some tree bearing excellent nuts. Trees cannot be depended on to reproduce themselves from seed so as to be exactly as they were; some of the seedlings may give as good a nut as the parent, others different, but with grafted plants, say from a fine, thin-shelled sort, there is no question as to what would be the result.

There is all the difference in the world between the old thick-shelled Pecans we used to find in market, and the thin-shelled ones now beginning to appear there.

When procuring nuts for the raising of seedlings, care must be taken that fresh ones are used. Those purchased in stores are not always reliable. Many are a year old; and then the polish they receive to aid their appearance is not thought to aid them at all for sowing. The best way is to find a party in the South who can ship direct from there from recent forest collections. When wanted for stock the first grade is not necessary. The second size is just as good for the purpose and gives a greater number to the bushel.

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BABY DOROTHY. The best yet. Color deep pink, fine form, a profuse bloomer. Strong field-grown plants, $25.00 per 100; 4-in. pots, in bloom, $15.00 per 100.
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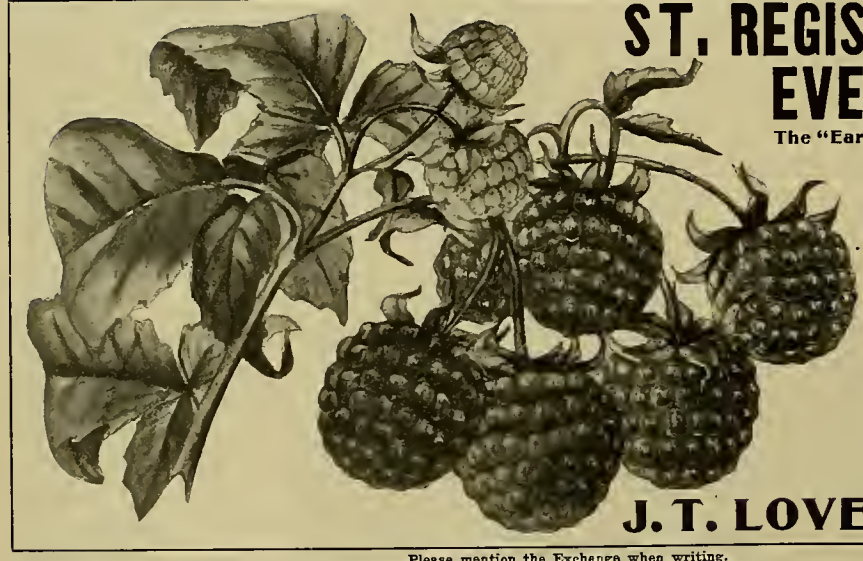

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Used at various strengths, 1 part of Aphine to 15 to 40 parts water.

$2.50 per Gallon

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MADISON, N. J.

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Newport (R. I.) Horticultural Soc.

To celebrate the twentieth anniversary of the founding of the Newport Hort. Society a dinner will be given on Tuesday evening, Jan. 11, S o'clock sharp, at Mercury Hall, Newport. A thoroughly good time is expected.

"Parthenocissus Tricuspidata"

Any one recognize it? Well, this is the new name for Ampelopsis Veitchii, given it on the recommendation of a Mr. Sprague, one of the herbarium assistants at Kew, Eng. We trust it will take some much higher authority to cause us to lose the better and old established name!

Bermudian Customs Duties

On imports of bulbs of the Lilium longiflorum and Harrisii types into Bermuda during the year 1910, a duty of $48 the thousand will be charged.

Tobacco dust, stems or other tobacco refuse imported solely for use for agricultural or horticultural purposes, free. So also are trees, plants, bulbs and shrubs for planting with the exceptions above noted.

John Gerard's Catalog

A little, badly printed book of twenty-four pages, in which 1033 species are enumerated, was the first complete catalog of any one garden, private or public, ever published. The only copy extant today is in the British Museum. This was printed in 1596 by the celebrated John Gerard, the publisher of "The Herbal," and who may appropriately be called one of the fathers of British gardening.

The South African Pipe Gourd

By request of A. D. Shamel, physiologist, connected with the Bureau of Plant Industry, U. S. Dept. of Agriculture, Washington, D. C., Prof. David Fairchild, in charge of foreign seed and plant introduction, has sent to John S. Weaver, plant breeder, of Kinzers, Pa., some seed of the South African Pipe Gourd, Lagenaria vulgaris. The seed is for experimental purposes, and should it prove successful it will open a new agricultural industry to truck and Tobacco farmers, and florists, who reside in country districts, as the gourd is valuable for the manufacture of smoking pipes.

Firms Incorporated

NORFOLK, VA.—A charter has been granted the Newton Floral Co. to grow and sell flowers. A. M. Newton is president, L. E. Guy, vice-president, A. R. Newton, secretary and treasurer. Capital stock, $5000 to $15,000.

CHICAGO, ILL.—American Horticultural Co. has been incorporated for the purpose of carrying on a horticultural and landscape gardening business. Capital stock $5000. Incorporators: John C. Abbott, William H. O'Brien and Jay W. Butler.

Prices Advertised in these Columns are for THE TRADE ONLY

HOW TO RID THE GREENHOUSE OF PESTS

All Florists and Nurserymen who have tried our Getsthere Insecticide Soap continue to use it. They claim it frees their plants from all pests.
1 gallon, $1.00.
Ask your Supply House for it or write us.

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TESTED AND PROVEN
SEEDS
PHILADELPHIA, PA.

Stand for Purity and Quality. The result of 37 years' experience in testing, and proving the best. Our GARDEN AND FARM MANUAL for 1910 tells all about them. Mailed free to seed buyers who write for it.

JOHNSON SEED COMPANY,
217 Market St., Philadelphia, Pa.

Firms Who are Building

POUGHKEEPSIE, N. Y.—Wm. C. Russell is to erect an additional greenhouse.

MARYSVILLE, MICH.—Frank Fieldman is erecting a big greenhouse on his farm on Turnpike road.

NEW BEDFORD, MASS.—Manuel Sylvia of the Dartmouth st. Nurseries is building a greenhouse and office.

Morris Co. (N. J.) G. and F. Society

The Annual Smoker of this thriving Association will take place on Wednesday, Jan. 12, at 8 p. m., in Masonic Hall, Madison, N. J.

Luther Burbank

Rumors have been circulating in the daily press to the effect that the grant of $10,000 a year, by the Carnegie Institute, to the above-named gentleman which, at period of institution, it was understood was to be for ten successive years, or $100,000 in all, in return for scientific research and data, is about to be rescinded; if so, this will be several years in advance of the original term set. Reasons for the reported withdrawal are not given.

Linnaeus as a Name-Maker

It would seem from a letter which old John Collinson wrote to Linnæus, in 1775, that those who change the names of plants and those object to such changes have been ever with us. The following, though written more than 150 years ago, has a familiar sound. Collinson writes: "I have had the pleasure of reading your 'Species Plantarum,' a very laborious and useful work, but, my dear friend, we who admire you are much concerned that you should perplex the delighted science of botany with changing names that have been well received, and adding new names quite unknown to us. Thus, botany, which was a pleasing study and attainable by most men, is now become, by alterations and new names, the study of a man's life, and now none but real professors can pretend to attain it."—*American Botanist.*

ASPARAGUS PLUMOSUS
From 3-in. pots, $5.00 per 100; from 2¼-in. pots, $3.00 per 100.

POINSETTIAS
Fine for Xmas. 3 in. pots, $1.50 per doz., $12.00 per 100.

ASPARAGUS SPRENGERI
From 3-in. pots, $5.00 per 100.

DRACAENA INDIVISA
4-in., $12.00 per 100; 3-in., $8.00 per 100.

MISCELLANEOUS

ABUTILON Savitzi. 2¼-in. pots. $4.00 per 100.

AMPELOPSIS Veitchii. Pot grown, $3.00 per 100.

ACHYRANTHES. Best varieties, $1.00 per 100, $8.00 per 1000.

AGERATUM. Blue and white, $1.00 per 100, $8.00 per 1000.

COLEUS. Bedding and fancy varieties, $1.00 per 100, $8.00 per 1000.

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BEGONIA Erfordi. Pink and white, $2.00 per 100; Crimson Bedder, $2.00 per 100.

FEVERFEW, The Gem. $1.50 per 100, $12.00 per 1000.

FUCHSIAS. Double and single, $2.00 per 100.

GERANIUMS, Double and single, $1.50 per 100; $14.00 per 1000.

GERANIUMS, Ivy-leaved, 2¼-in. pots, $3.00 per 100.

GERMAN IVY. $1.50 per 100.

HELIOTROPE. 8 best varieties, $1.25 per 100.

LANTANAS, 2¼-in. pots, $3.00 per 100.

LOBELIA. New double blue, $2.00 per 100.

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Ferns, Aspidistras, Araucarias,
PHOENIX CANARIENSIS

Large Oleanders and many other plants

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RUTHERFORD, N. J.

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ASPARAGUS Sprengeri, 2½-in. pots, $2.00 per 100.

ASPARAGUS Plumosus, 3-in. pots, $5.00 per 100.

CLEMATIS Paniculata, from open ground, $10.00 per 100.

DRACAENA Indivisa, fine plants, 5-in. pots, $3.00 per doz.

DRACAENA Indivisa, 4-in. pots, ready for 5-in., $10.00 per 100.

FERNS, Boston and Scottii, 4-in. pots, $2.00 per doz.

FERNS, assorted varieties, 2½-in. pots, $3.00 per 100.

SMILAX, 3-in. pots, $4.00 per doz.

PERIWINKLE, variegated, grown in 4½-in. pots, $8.00 per 100.

DAISIES, Yellow and White, 2½-in. pots, $3.00 per 100.

Cash with order please.

C. EISELE, 11th & Westmoreland Sts., Philadelphia, Pa.

Please mention the Exchange when writing.

CINERARIA STELLATA

Fine plants 2½-in. pots, large enough to go at once into 4-in., 3c.

Primula Obconica Gr.

Good-sized plants in 3-in. pots, ready to shift and just coming into bloom, 4c.

These must be sold—we need the room. Liberal count and the best of packing.

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Get in on ROSES

From early Summer propagation on own roots. Booking orders now for Winter and Spring delivery.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Please mention the Exchange when writing.

The
Week's Work
BY
FRITZ BAHR

Carnations

The Necessity of Feeding the Plants

Carnations in a healthy growing condition, full of flowering shoots and buds, are benefited by feeding. They are ready for additional nourishment, besides what the roots can take in from the soil in the benches. Every grower should, for his own satisfaction experiment along this line. Different soils need, quite often, different fertilizers in order to get desired results; and while there might be little danger or harm result whenever fresh cow manure, in liquid form and light doses, is used practically for every crop we grow indoors, large places, or others peculiarly located, often find it inconvenient to use it. Personally, I must say that after numerous trials and close observation I have found better, or at least equally good results are obtained by using fresh liquid cow manure than with any other fertilizer. Ours is a heavy loam soil. This, of course, by no means proves that other fertilizers are second in importance, for I know most successful growers who never use cow manure outside of what they get in "shredded cattle manure." One thing, however, is certain, and that is if a grower has good Carnations now and should have no other fertilizer on hand than the cow manure, he needn't worry about it—for by proper application the Carnations will surely respond. As with the shredded manure, bone-meal, sheep manure or any other fertilizer that may be used, an overdose is worse than none at all. If the plants are not able to take up the food you apply, a sure consequence will be the souring of the soil, and put on what you may you can't sweeten it again while indoors.

Applying Fertilizers on the Benches

Bone Meal and Sheep Manure

It is always well to lightly cultivate the surface of the soil in the benches before any fertilizer, whether liquid or otherwise, is put on. If the fine roots are near the surface it will of course require more care to do this than when the soil is free from roots near the top; but by this time, if no top dressing of soil has been applied, the soil must have settled down considerably, and this, with the washing from watering with the hose, usually brings conditions about where, by close inspection, roots can be noticed near the surface. If this is the case, keep away with whatever tool you might use in cultivating from the plants. Do your stirring or loosening up of the soil along the center of the rows, between the plants, after which a top dressing of fine soil, of about one and one-half inches in thickness, over the entire surface of the bench is in order. On top of this spread a layer of bone meal, just enough to have the surface of the soil colored with it, and again on this may be spread a layer of sheep manure of the same proportions. Now lightly mix the two with the soil by hand, after which give the bench a thorough watering. As to the condition the soil ought to be in when applying fertilizer, it is always safe to have it so that a watering would be of benefit. Too dry soil is as bad as if too wet, for when the soil is too dry a certain part of the first watering will run through and take some of the fertilizer along; when too wet, another soaking after the fertilizer is on would be out of place, especially at this time of the year. Whenever a top dressing of soil is not required, a heavier dose of fertilizer might be used. A better way, however, it to give only light doses and repeat in three weeks or so. With a layer of good soil one inch or so in thickness a light sprinkling of bone and sheep manure is enough nourishment for the Carnations at one time. Some of us might get the impression that because we have put on the benches an extra heavy mulch of fertilizer and the plants, as a result, have not died, they must have been benefited by it; but this, of course, is wrong. As long as we can't go by any set rule as to just what proportions to use it is always well to go slow, use a little at a time, and repeated in that way but little harm can result.

Applying Shredded and Liquid Cow Manure

When used as a mulch, the shredded cattle manure should be mixed with soil. We have used a mixture of one-third of the manure to two-thirds of soil, applied about one inch in thickness over the bench, and this followed three weeks later by a light top dressing of the pure manure showed a remarkable improvement on a bench of Enchantress last year, during February, over a bench alongside it where no manure or fertilizer of any kind was used; but outside of that this bench received the same care regarding cultivating, watering, keeping the plants clean and disbudded. Using this manure as a liquid, two ordinary pails full, dissolved in a flour barrel full of water gives about the right proportions. Whenever fresh cow manure is made use of the same proportions will do, and a little stronger mixture won't hurt. If the plants are in a vigorous condition, and cow manure is made use of in light doses, an application every three weeks is not too often. It is far better to give weak doses and oftener than to use strong ones and only once or twice during the Winter. There, as in the case when applying bone meal, the soil of the benches should be in such a condition that it won't stick to the hands when squeezed. I have never experienced any bad results from applying liquid cow manure, even on a dust dry bench, but have seen plants suffer where a heavy dose of manure was given on a soaking wet bench during January.

Hydrangeas for Easter

Higher Temperature Necessary From Now On

Plants intended for Easter should be brought to a Carnation house temperature without delay. They won't come in any too early, in fact, will have to go to warmer quarters later on. If the plants were grown in pots during Summer they will be in shape to stand a few degrees over 50 at night, for their roots are all there to support the top growth properly. With the plants, however, which had field culture and were potted up last Fall, it is advisable to go slow, even if they have been in a cold house up to now. Exposing them to too much heat might result in yellow foliage and other trouble. Only too often this mistake is made, not only with Hydrangeas, but Roses, Deutzias or other plants intended for forcing; and while some plants do not show the bad effects as much as others, it is never proper to take a plant out of a temperature such as is found in a cold frame in December, or a Violet house, and bring it into a Rose house. Pay proper attention to the drainage of the pots the Hydrangeas are in. Next to the Astilbes come the Hydrangeas as lovers of water, and few plants we grow in the greenhouse suffer more if neglected on that account; and yet they suffer as much if improper drainage prevents the water from passing through the bottom of the pot. Avoid this. If pot grown plants are made use of, light doses of liquid cow manure are in order as soon as the plants make growth. Give the stock room; a crowded condition means loss of foliage, and that spoils the appearance of the plants, no matter how fine the blooms.

Gladioli

Bulbs for Spring Blooming Should Be Planted Now

If you had a lot of Gladioli last Summer, and it hardly paid to cut, pack and ship them, you might hesitate about planting some indoors for April and May blooming; and yet the man who conducts a retail place will find them profitable to grow, even when planted between Carnations. I do not advocate the putting of Gladiolus bulbs between the Carnation plants when the latter are in fine growing condition and require every inch of room on the bench they are in. Gladioli, or anything else, have no business in the bench then—you can't grow two crops at the same time, in the same space, and have them both good; one or the other is going to suffer. But sometimes we have a house or a bench where, for some reason, the Carnations are not as good as they might be; or there might be a bench which has been blooming since early last Fall and doesn't look as if it would hold out until Spring; in such cases, or whenever other bench room might be at hand, Gladioli may be planted, and if not neglected will prove a paying crop. Bulbs planted now will not be in bloom by Easter, but that shouldn't make any difference; if they are well grown and are good varieties they are bound to sell at a good price. One of the most beautiful of the many is America; its shell pink color makes it one of the most desirable of all the Gladioli the florist can grow, whether for indoors or outdoors. The bulbs can be bought for $3 to $4 per 100. If a good red is desired Brenchleyensis is the thing, and Augusta is perhaps better known for indoor blooming than any other for it is a white one and a good forcer. Among the miniature Gladioli, Colvillei alba is one of the very best, its cheapness, $5 to $6 per 1000, and its usefulness as a cut flower, make it so desirable. Plant some. If short on room at the present, the bulbs can be started in pots and planted out afterwards, or in boxes below some bench, in which they can remain, to be brought on top of the bench later on.

Candytuft and Stocks

Two Useful Flowers for the Retail Grower

Only too often does the man who grows the stock, or part of it, which he retails, find it profitable to grow certain things which if he had to wholesale them he wouldn't think of bothering with. This is natural, for the wholesale market, usually, is regulated by what Roses and Carnations bring. When there are plenty of both, stock such as Pansies, Sweet Alyssum, Candytuft, Stocks and others are considered side lines and do not cut much figure; but the retail grower has always a call for just such flowers and his customers pay good prices for them. The only trouble is that we are not paying sufficient attention to their culture—that is where we are making a serious mistake. Candytuft and Stocks sown out now will produce fine flowers during April and May, and be out of the way for late bedding stock. Don't grow too much of each, but what you do grow, grow well. There isn't any extra culture required for either in order to get good results; both love a cool house and well drained soil. Empty 'Mum benches will do; the old soil can also be used if worked over and a little more well rotted manure is added.

GRAND FORKS, N. D.—Xmas trade was about the same as last year, cut flowers being most in demand. There was not so much sale for red flowers or, rather, customers would not take red at a higher price than other colors. Ordinary Carnations sold at $2; Enchantress and red, $2.50. Brides, Bridesmaids, $4; Richmond and Killarney, $5; Am. Beauty, $6 to $24. Violets, $1. We did not handle plants. FRANK V. KENT & Co.

NEW CROP FLOWER SEEDS

HIGH BRED ASTERS

Are our specialties, and great care is taken to have only the best and those that will give the greatest satisfaction. We have been very highly complimented on the choiceness of our strains.

ASTER. QUEEN OF THE MARKET. This is the earliest of all, fully three weeks earlier than other Asters.

	Tr. pkt.	¼ oz.	Oz.
Selected white	$0 10	$0 15	$0 50
Selected crimson	10	15	50
Selected rose	10	15	50
Selected light blue	10	15	50
Selected dark blue	10	15	50
Selected flesh color	10	15	50
Selected lilac red	10	15	50
Selected mixed	10	15	40

ASTER. QUEEN OF THE MARKET. Home grown. Our stock of this Aster has been specially grown for forcing or extra early flowering.

	Tr. pkt.	¼ oz.	Oz.
Home-grown White, Rose, Light Blue, Dark Blue	$0.20	$0 30	$1 00

ASTER. S. & W. CO.'s SELECTED LATE BRANCHING. One of the best branching Asters for cut flowers. Our strain of this splendid Aster is grown specially for us, with the greatest care.

	Tr. pkt.	¼ oz.	Oz.
Pure white	$0 20	$0 30	$1 00
Lavender	20	30	1 00
Purple	20	30	1 00
Crimson	20	30	1 00
Shell pink	20	30	1 00
Rose	20	30	1 00
Carmine	20	30	1 00
Mixed	10	20	75

ASTER. DWARF CHRYSANTHEMUM. Fine for growing for pot plants.

	Tr. pkt.	¼ oz.	Oz.
Mixed	$0 20	$0 50	$1 75

ASTER. HOHENZOLLERN. Excellent robust new class, with enormous flowers, superb for cutting and exhibiting; flowers often measuring 6 to 8 inches in diameter.

	Tr. pkt.	¼ oz.	Oz.
Hohenzolern. White	$0 25	$0 75	$2 00
Rose	25	75	2 00
Dark blue	25	75	2 00
Crown Prince	25	90	3 00
Syringa blue	50	1 50	5 00
Mixed	25	75	2 00

ALYSSUM

Benthami (maritimum) (Sweet Alyssum) Lb. $1.00		05	15
Benthami compactum (erectum, Little Gem), excellent variety		10	20
Benthami procumbens (White Carpet)		10	30
Dwarf Bouquet; fine for florists' use	25	1 00	3 00
Saxatile, yellow		10	25

ANTIRRHINUM

Our Antirrhinums are specially selected, large flowering, suitable for florists' cut flowers.

	Tr. pkt.	¼ oz.	Oz.
Tom Thumb Dwarf, white	$0 25	$0 25	$0 75
Tom Thumb Dwarf, scarlet	10	25	75
Tom Thumb Dwarf, mixed	10	15	40
Tall grandiflorum album	10	40	1 50
Brilliant scarlet	10	40	1 50
Rose	10	40	1 50
Finest mixed	10	30	1 00
Queen Victoria, pure white	20	75	2 00

ASPARAGUS

Plumosus nanus, true type, 100 seeds, 60c., 1000 seeds $4.00.

Sprengeri. 100 seeds 25c., 1000 seeds 75c.

BEGONIA

	Tr. pkt.	¼ oz.	Oz.
Semperflorens Vernon, dark-leaved	$0 25	$1 50	$5 00
Compact (Dwarf Vernon) dark leaved 1-64 oz. $1.00	25		
Erfordii, rosy carmine, free bloomer, excellent for groups. 1000 seeds 50c.	25		
Alba 1-32 oz. 50c.	25		
Rosea 1-32 oz. 50c.	25		
Single tuberous-rooted	25		
Double tuberous-rooted	50		

MIGNONETTE

	Tr. pkt.	¼ oz.	Oz.
Machet, Perfection, excellent for pots, thick spikes of reddish flowers, carefully selected strain Lb. $8.00	$0 10	$0 25	$0 75
Bismarck, new, improved, extra	.25	35	1 00
Ruby, new, a fine Machet Mignonette, with coppery-scarlet flowers	20	50	1 50
Miles' Spiral Lb. $1.25			15
Allen's Defiance. Finest for cut flowers	10	50	1 50
Goliath. Red Giant	25	1 50	5 00

ASTER

COBAEA

	¼ oz.	Oz.
Scandens	$0 10	$0 25
Scandens alba	20	50

LOBELIA

	Tr. pkt.	¼ oz.	Oz.
(ERECTA, FOR POTS)			
Erecta Crystal Palace, dark blue, for edgings and carpet bedding, excellent strain	$0 25	$0 75	$2 50
Erecta Emperor William. Light blue, compact, very fine	20	60	2 00
Erecta pumila. Dark blue, clear white eye, extra	25	75	2 50
Erecta rosea	20	50	1 50
Erecta White Gem	25	75	2 50
Pumila, magenta, white eye	20		
(ERINUS VAR., TRAILING)			
Erinus speciosa Crystal Palace	10	30	1 00
Erinus, royal purple, white eye	10	30	1 00
Erinus, Barnards Perpetual, blue, white eye	20	50	1 50
Erinus Prima Donna, velvety maroon	20	50	1 50

MARIGOLD

	¼ oz.	Oz.
Dwarf Little Brownie. Gold and brown, very fine for pots	$0 10	$0 25
Dwarf lutea, very fine	10	25
Dwarf Silver King, very fine	30	1 00
Dwarf French Mixed Lb. $1.50	10	20

NASTURTIUM

	Oz.	Lb.
(TOM THUMB, or DWARF)		
Empress of India, bluish foliage and crimson flowers	$0 20	$1 25
S. & W. Co.'s special mixed 100 lbs. $40.00	10	50

PHLOX DRUMMONDI

(DWARF, LARGE-FLOWERING)

	Tr. pkt.	¼ oz.	Oz.
Purple	$0 15	$0 60	$2 00
Fireball	15	60	2 00
Snowball	15	60	2 00
Blue Striped	15	60	2 00
Chamois Rose	25	1 25	4 00
Surprise	25	1 25	4 00
Defiance. Most brilliant	25	1 00	3 00
Extra fine mixed	15	65	2 00

PETUNIA

S. & W. Co. Strain, Fringed, Large-flowering, Double Mixed. Produce from 30 to 35 per cent. of plants, with charming, double-fringed flowers; quality unsurpassed	$1 00		
Large-flowering, Single Fringed 1-64 oz. $1.00	50		
Inimitable, striped and blotched	10	$0 40	$1 00
Hybrida alba, white	10	40	1 00
Adonis, carmine white throat	25	2 00	
Countess of Ellesmere, rose white	10	15	50
PETUNIA HYBRIDA			
Snowball	25	2 00	
Erfordii, Rosy Morn, one of the prettiest of the dwarf flowering pink varieties	25	2 00	6 00
Finest mixed	15	50	1 50
Single, mixed	10	20	50

STOCKS

All our Stock seed is produced from plants in pots. Open ground seed we have only grown in the cheap mixtures.

STOCKS, LARGE FLOWERING DWARF, TEN WEEKS	Tr. pkt.	¼ oz.	Oz.
White	$0 25	$1 00	$3 00
Canary Yellow	25	1 00	3 00
Rose	25	1 00	3 00
Brilliant rose	25	1 00	3 00
Shining purple	25	1 00	3 00
Blood red	25	1 00	3 00
Lilac	25	1 00	3 00
Crimson	25	1 00	3 00
Mixed	25	1 00	3 00
Snowflake, very effective, waller leaved variety, the earliest of the whites, excellent for forcing, large spikes of snow-white flowers 1-32 oz. 50c.	25	3 50	
Boston Market, or Bidwell's white	25	1 25	4 00
German mixed ground seed, Lb. $6.00	10	25	75

STOCKS

Improved Giant Perfection. These Stocks are the very finest of all the Stocks for cutting. Splendid race, pyramidal growth, long spikes of large double flowers. Height 2½ feet, exceptionally fine for Summer cutting.

	Tr. pkt.	¼ oz.	Oz.
White	$0 25	$1 50	$5 00
Chamois Rose	25	1 25	4 00
Fiery Crimson	25	1 25	4 00
Light Blue	25	1 25	4 00
Dark Blue	25	1 25	4 00
Sulphur Yellow	25	1 25	4 00
Mixed	25	1 25	4 00
Cut-and-Come-Again. White	25	1 25	4 00

EARLY LARGE FLOWERING WINTER STOCKS

Excellent new sorts which may also be treated as 10 weeks' Stocks, for Summer blooming.

	Tr. pkt.	¼ oz.	Oz.
Empress Elizabeth. Large spikes of bright carmine flowers	$0 25	$1 25	$4 00
Beauty of Nice. Strong spikes, with very large blooms, of a delicate fleshy pink. Extra	25	1 25	4 00
Queen Alexandra. New, rosy lilac, similar to preceding, splendid color	25	1 25	4 00

PYRETHRUM

	Tr. pkt.	¼ oz.	Oz.
Parthenifolium aureum (Golden Feather)	$0 10	$0 20	$0 50
Golden Moss (moss curled, distinct and charming) 1-64 oz. $3.00	25		

PRIMULA

	Tr. pkt.	1-32 oz.
Obconica grandiflora alba	$0 25	$0 75
Rubra, deep lilac red	25	75
Coerulea, blue	50	2 00
Sanguinea, deep red, extra	50	4 00
Hybrida compacta, new compact; large umbels, true from seed	50	2 00
Forbesii. Rosy lilac, very floriferous, for pots; seedlings bloom in 3 months	25	75

SALVIA

	Tr. pkt.	¼ oz.	Oz.
Splendens (Scarlet Sage)	$0 15	$0 50	$1 50
Nana compacta, Bonfire	25	75	2 50
Glory of Stuttgart	50	1 50	5 00
Zurich. Dwarf compact free-flowering. The best of all the Salvias, starts flowering in July and continues until frost	50	2 50	8 00

SMILAX

	¼ oz.	Oz.
Cultivated seed. ¼ lb. $1.00, lb. $3.50	$0 10	$0 30

VERBENA

	Tr. pkt.	¼ oz.	Oz.
MAMMOTH VARIETIES			
Pink shades	$0 25	$0 50	$1 50
Purple shades	25	50	1 50
White shades	25	50	1 50
Red shades	25	50	1 50
Mixed Mammoth	25	50	1 50

VINCA

	Tr. pkt.	¼ oz.	Oz.
Rosea, very fine; excellent market plant	$0 10	$0 25	$0 75
Rosea alba; white, rose center; excellent market plant	10	25	75
Rosea nova species (alba pura); excellent market plant	10	25	75

Stumpp & Walter Co.

50 Barclay St.
NEW YORK

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

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Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 6 p. m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

Index to the Florists' Exchange, Vol. XXVIII

This index, covering the period from first issue in July to last in December, 1909, will be shortly ready for distribution. Subscribers desiring a copy of this index can obtain same by notifying us by post card; copies will be mailed to those who have already previously advised us to that effect.

Thirty Years' Tax Exemption to Tree Planters

Commissioner Whipple of the Forest, Fish and Game Department, in his annual report to the Legislature of New York State, made Jan. 5, among other recommendations, advises the passage of a law whereby land dedicated to tree growing and planted with trees be relieved from increased taxation for thirty years.

The passage of such a law, in every State, would quickly solve the problem of reforestration.

The Florists' Exchange Design Book

A new edition of the Design Book is now in preparation and, it is expected, will be issued about January 20. It will be found a decided improvement on the earlier editions, has been completely remodelled and now contains 80 pages, covering a multiplicity of designs. It will be freely admitted the most valuable compendium of its character ever offered to the trade, as well as the cheapest. It is sold only in connection with a subscription for this paper; The Florists' Exchange two years and one copy of the Design Book, new or renewal subscription, for $2.50.

To Our Readers

We beg to remind our friends and subscribers that our constant endeavor is to record in The Florists' Exchange all matters of trade interest, and we shall be much obliged if they will co-operate with us in this aim by giving us early intimation of all changes in firms, deaths, legal cases affecting the trade, local matters likely to prove interesting to others, also information as to crops and novelties in flowers, seed and nursery subjects.

Obituary

James Stockstill

James Stockstill of Dayton, O., died in Baltimore December 25, following an operation at one of the hospitals there. He had been ill for some time and had been removed to the hospital in the hope that a surgical operation might prolong his life.

The deceased was for a number of years engaged in the nursery business, with headquarters at Geneva, N. Y. He was born near Dayton 78 years ago. He is survived by two daughters.

Federal Bill for Nursery Stock Inspection

Congressman Jas. S. Simmons of New York has, we understand, introduced a bill having as its object the thorough inspection of imported nursery stock as well as making provision for interstate inspection. The provisions of the bill in question appear to be sufficiently regulative so far as it applies to importations, but the clauses affecting interstate dealings are too vague to be effective and, so far as we can read between the lines, would simply act as a supplement to existing State restrictions.

What the nurserymen require is a bill with regulations applying uniformly to every State in the Union.

The New York-New Jersey Interstate Park

The proposed State Park, now made fully possible through the gift of Mrs. E. H. Harriman of 10,000 acres of ground and cash $1,000,000, supplemented by heavy cash contributions from other public spirited citizens and appropriations from the States of New York and New Jersey, will give to the citizens of New York and surrounding towns, eventually, the grandest park system in the world excepting that of the Yellowstone, and this latter is not accessible to the masses. The area will be immense, the character of the scenery of the most diversified, and for a number of miles it will border the Hudson River on the west side from below the line of the city of Yonkers north to Cornwall.

Such creations are only possible in America.

Second Class Mailing Rates

As is well understood, all reputable magazines, newspapers and periodicals, are distributed through the mails to subscribers at a charge to the publishers of one cent a pound. This rate has been in force ever since 1870, and, through its statesmanlike provision, subscribers have been enabled to secure their literature at a most reasonable charge, the publishers paying the postage.

The fact has been called to President Taft's attention that the Post Office Department is losing many millions of dollars a year in carrying second-class mail and, accordingly, the President has advised Congress to look into the matter with a view to relieving the Post Office of this annual deficit.

The advisability of increasing second-class rates has two sides, and it will be interesting to watch the debate in Congress when the matter comes up—which it probably will, very shortly.

The Government point of view is that, on the face of the transaction, it is out of pocket so many millions a year on the second-class mail instead of coming out whole or at a profit.

On the side of the people, once they understand the question, there will be raised an outcry that will shake out of their seats the men who will cast a vote in favor of a raise in postage rates on periodicals if said tax is raised, as some assert it is to be, to 8 cents a pound or even to 4 cents a pound.

Through no fault of the Post Office Department, as we see it, but through Congressional action in the past, many of the present charges on mail matter are ill-balanced and if the forthcoming expected legislation could be made to embrace an inquiry into the entire system of rates, some good may result therefrom for all the people.

This inquiry should include the free mailing of free seeds, the franking privilege, rural free delivery, parcel post, a reduced rate on matter of the third and fourth classes, and a quickened delivery of same over the delays now so prevalent.

The leading question is, Are the people of the progressive United States ready and willing to be less liberal in these matters than are foreign countries?

Canada, if we mistake not, charges half a cent a pound on second-class matter. That country has a larger area than the United States to distribute it over and about one-twelfth of our population.

Nearly every civilized country but this enjoys a real, effective system of parcel post. Mail of all classes is handled in several countries with more celerity than here.

Each additional one cent a pound on second-class rates means a yearly personal tax on every liberal subscriber for literature of anywhere from $1 up, or a big shortening of the amount they are now receiving if the publishers conclude to cut down their issues and themselves carry the tax, a proposition not to be decided upon until the new rate is fixed.

Some assert the entire agitation is a bluff, brought about through outside agencies, to defer the coming of a parcel post and incidentally help the express companies cut more melons!

Certain it is that through the operation of the trade papers, the agricultural press and certain of the large weeklies, an immense revenue has developed to the Government through the first-class mail (letters) which follows their publication.

Of stamps, 8,712,907,031 were sold in the past fiscal year. Probably 90 per cent. of these were used for business purposes, one-half the quantity of which, at the very least, it would be fair to state were used in connection with the publishing business, either by publisher, subscriber, advertiser or purchasers from advts.

In other words, our claim is that at least one-half of the letters mailed in the country are eventuated through the operation of the press.

Surely, this is worth consideration.

The American Carnation Society

Registration of Carnations

The Cottage Gardens Co., Queens, L. I., N. Y., register the following two new Carnations:

Alma Ward—Prosperity×White Seedling; White, sometimes showing delicate splashings of pink; size 3½ to 4½ inches; stems 36 to 42 inches; remarkable for size of flower and length of stem; strong and vigorous grower.

Mrs. C. W. Ward—Mrs. T. W. Lawson×Mrs. Roosevelt; deep pink lighter than Lawson, but darker than Winsor; size 3½ to 4 inches; stem 24 to 36 inches; early and free bloomer, producing fine flowers as early as September 1. A. F. J. BAUR, Sec.

Indianapolis, Dec. 30, 1909.

S. A. F. and O. H. Appointments

President F. R. Pierson has made the following appointments:

Executive Board, Three Years

Willis N. Rudd, Morgan Park, Ill.
Robert Craig, Philadelphia, Pa.

Botanist

Prof. John F. Cowell, Botanic Gardens, Buffalo, N. Y.

Pathologist

Prof. H. H. Whetzel, Ithaca, N. Y.

Entomologist

Dr. S. A. Forbes, Urbana, Ill.

Washington Representative of the Society

William F. Gude, Washington, D. C.

Tariff and Legislative Committee

Patrick O'Mara Jersey City, N. J. chairman
J. A. Valentine, Denver, Col.
J. C. Vaughan, Chicago, Ill.
Patrick Welch, Boston, Mass.
John G. Esler, Saddle River, N. J.
J. O. Thilow, Philadelphia, Pa.

Committee on School Gardens

Benj. Hammond, Fishkill-on-Hudson, N. Y., Chairman
A. T. De La Mare, New York, N. Y.
Prof. John F. Cowell, Buffalo, N. Y.
Wm. B. DuRie, Rahway, N. J.
H. B. Howard, Chicago, Ill.
Joseph Heacock, Wyncote, Pa.

Committee on National Flower Show

As the work of this committee has not been accomplished, the committee appointed by Pres. Valentine is continued, except that E. A. Stroud of Overbrook, Pa., has been appointed to fill the vacancy occasioned by the resignation of Edwin Lonsdale.

National Council of Horticulture

E. G. Hill, Richmond, Ind.

State Vice-Presidents

Alabama—George E. Luffman, Birmingham.
California, North—Hans Plath, San Francisco.
California, South—Morris Goldenson, Los Angeles.
Colorado—N. A. Benson, Denver.
Connecticut—Wallace R. Pierson, Cromwell.
District of Columbia—Peter Bisset, Washington.
Florida—E. N. Reasoner, Oneco.
Georgia—Daniel C. Horgan, Macon.
Idaho—J. W. C. Deake, Twin Falls.
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Kansas—A. H. Whitcomb, Lawrence.
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Maryland—R. Vincent, Jr., White Marsh.
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Michigan, East—Michael Bloy, Detroit.
Michigan, West—Henry Smith, Grand Rapids.
Minnesota—Theo. Wirth, Minneapolis.
Missouri, East—Otto G. Koenig, St. Louis.
Missouri, West—W. L. Rock, Kansas City.
Mississippi—S. W. Crowell, Rich.
Nebraska—John J. Hess, Omaha.
New Hampshire—R. E. Hannaford, Portsmouth.
New Jersey—Joseph A. Manda, West Orange.
New York, East—A. L. Miller, Brooklyn.
New York, West—George B. Hart, Rochester.
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Oklahoma—George Stiles, Oklahoma City.
Ohio, North—C. J. Graham, Cleveland.
Ohio, South—E. G. Gillett, Cincinnati.
Oregon—James Forbes, Portland.
Pennsylvania, East—W. P. Craig, Philadelphia.
Pennsylvania, West—Fred Burki, Gibsonia.
Rhode Island—L. J. Reuter, Westerly.
South Carolina—C. A. Moss, Spartanburg.
South Dakota—E. C. Newbury, Mitchell.
Tennessee—C. L. Baum, Knoxville.
Texas—Alexander Miller, Dallas.
Virginia—W. A. Hammond, Richmond.
W. Virginia—A. Langhans, Wheeling.
Washington—Amy L. Lambly, Spokane.
Wisconsin, East—Fred Holton, Milwaukee.
Wisconsin, West—C. E. Schaefer, La Crosse.
Canada:
Ontario—W. W. Gammage, London.
Manitoba—H. E. Philpott, Winnepeg.
Quebec—George A. Robinson, Montreal.
Alberta—A. M. Terrill, Calgary.

The Men We Meet

P. D. Barnhart

The gentleman whose life is briefly sketched in the narrative which follows has for over four years represented, with able pen and a full heart, the horticultural interests of his adopted State—California—and, more particularly that section wherein he has taken up his permanent home, the Southland thereof.

Mr. Barnhart was born Dec. 14, 1849, on a farm in the beautiful Cumberland Valley of Pennsylvania, two miles northeast of the thriving village at that time—now a prosperous little city—Mechanicsburg. Here, also, was the birthplace of his father and his grandfather. His mother was one of the descendants of the early settlers in the same valley who came originally from Germany, the family being named Rupp, and many of whom still live there.

During the Civil War, when every able-bodied man either volunteered or was drafted into the service, he was obliged to follow the plow, preparing the soil for the seed, and to swing a grain cradle in harvesting the crops. When fourteen to sixteen years of age he was privileged to attend Pennsylvania College at Gettysburg, after which he went to the western part of the State, working there for two years on a combination nursery, greenhouse, small fruit and truck farm. Leaving that employ he traveled to St. Joe, Missouri, where, for two years, he acted as traveling salesman for Claggett & Munger, nurserymen, and delivered the first lot of trees planted in eastern Kansas, at Marysville, at that time the terminus of the Missouri Pacific R. R.

At the age of twenty Mr. Barnhart was urgently requested by his stepfather, John Donaldson of Kittanning, Pa., to return and take charge of his nursery and greenhouse establishment, in succession to Alonzo D. Clark of Syracuse, N. Y., who had resigned the place to go into business for himself in New York State.

At the age of twenty-five, having saved some money, he went into the nursery business in partnership with relatives which terminated unfortunately. Stripped of money but not dismayed he moved to Baltimore where he had charge of Cromwell & Congdon's nursery and greenhouses for two years; thence back to Pennsylvania where for several years he remained and was engaged in growing fruit, flowers and vegetables.

In 1897 Mr. Barnhart removed with his family to California under contract with an orchard company to superintend a fruit farm of 450 acres. His arrival there was simultaneous with the disintegration of the concern, and he did not get even one day's work there, but was thrown at once on his own resources.

The land was strange, the conditions so new and entirely different from previous experiences that the lessons of life had to be learned anew.

Of this part of his life Mr. Barnhart says: "I found employment taking care of private places, and in doing so was enabled to study plant life as it is found nowhere else in the United States. Part of this experience was in the San Joaquin Valley, a territory as large as Pennsylvania, part of it in and about Los Angeles, where I verily believe is grown a greater variety of plants in the open than in any other part of the world, not all of them, to be sure, in the greatest perfection. To study their habits and requirements I have spent much time and thought and some money, realizing at the same time that much, very much, is yet to be learned about plant life as it grows in this wonderful Southland of California."

To Mr. Barnhart's arduous and thorough study of plant life in California is due his call a few months ago to the editorship of The Pacific Garden, owned by a corporation composed entirely of thoroughly trained men in the art of gardening, and of which fact our readers were duly apprised at the time. In this publication as well as in The Florists' Exchange, and other sources, Mr. Barnhart is doing able work for horticulture, also for the Pacific Coast, for it is due to his good pen that we have lost more than one good man from this side of the Alleghenies; however, as our loss is California's gain, and those who have migrated there seem perfectly content with their new life, we have no fault to find.

Shortly after reaching his majority, Mr. Barnhart was married to Nancy A. Horner, whose ancestors were famous musicians in western Pennsylvania for more than a half century. The union was blessed with a family of six children, four boys and two girls, the youngest of whom sleeps in the cemetery at Bakersfield, Cal. The children are scattered over the world; the surviving daughter married an architect who lives in Paris. One son, a minister of the Methodist Episcopal Church is in Nevada City, Cal. Another, a musical genius and a singer above the average in ability, lives in New York. Still another is a physician, a resident of Los Angeles, while the fourth son, a mechanical genius, lives in Aberdeen, Washington. All the children inherit to a greater or less degree the musical instincts of their mother; none of them have shown any predilection for the study of plant life.

P. D. Barnhart

Parasitic Plants on Rhododendrons

"Do not apply manure to Rhododendrons, as there is a plant parasite that grows on the roots, which plant is killed by the manure, eventually causing the death of the Rhododendron."

This information, imparted to me a few days ago by a practical nurseryman, was so entirely antagonistic to my observations and practical experience of over twenty years in propagating and growing one of the largest stocks of Rhododendrons in Europe, that it caused me to wonder if environment had any influence in changing the character and nature of plants so much as to demand an entire change of treatment.

So far, I have been aware that the only plant supported by the root of the Rhododendron was the Rhododendron itself, and the following case, which came under my notice a few years ago, will go to prove that they are benefited by the application of manure. This was an avenue of over fifteen hundred plants which were turning yellow and dropping their leaves to an alarming extent. Being called to examine these plants and to prescribe for their recovery, and after ascertaining that the drainage was all right, I had them mulched six inches deep with moss litter manure. This was taken from stables where moss litter was used for bedding horses and, as you will know, owing to the absorbant nature of the moss, it contained nearly all the urine as well as the excretion of the animals, making it one of the strongest natural manures. This lay as a surface mulch through the Winter and was forked lightly into the soil in the Spring, and I can conscientiously say, from close and careful observation, that the effect of the above application was everything that could be desired and, as the writer remembers, these plants, four years after the application, were one of the finest sights in the country with their wealth of foliage and bloom.

I have also used well rotted manure with success in growing them in the nursery for over twenty years, surely disproving the expression which begins this article.

There is a prevalent idea, even among nurserymen, that a peaty soil is indispensable for Rhododendrons, and often great expense is incurred in bringing peat from a distance in order to make a Rhododendron bed. The digging out of the solid, natural soil and replacing it with peat not infrequently leads to a greater evil—one that is seldom foreseen—the new peat acting as a drain for the surface water percolating the ground surrounding it, and the spongy peat holding the water precisely as a sponge does, the bed consequently becomes waterlogged and the failure of the Rhododendron is a natural sequence.

It is pretty generally known that Rhododendrons and most other plants of that tribe abhor chalk or calcareous soil of any kind and, if planted in it, they will soon languish and eventually die outright. On the other hand, it is very questionable whether the Rhododendron likes peat above all other soils. Cases have come under my notice of the very finest specimens—finest in growth, foliage and flower—which were growing in fibery loam with an admixture of a little peat and sand, sufficient to make the whole porous, yet not too light. The question of peat versus loam for these glorious plants is one of importance to owners of private gardens, who, as a rule, if not located on a peaty soil, bewail the absence of Rhododendrons. There must be thousands of gardens where soil is not peaty, yet with the absence of chalk, where Rhododendrons would grow to perfection, but from which they are now absent because their owners think it useless to plant them and, on the other hand, their culture has been abandoned after the expense of making peat beds, the failure of which had probably arisen from defective draining.

Pardon me if I have digressed from the usual method of asking information through your valuable paper, but I thought that a few observations of my practical experience and results obtained therefrom might be appreciated by yourself or any of your readers, in answering me the question as to the name of the plant (if there is such) that grows on the root of the Rhododendron and is killed by the application of manure? INQUIRER.

[We would be pleased to see this inquiry taken up by those qualified to answer. The nurseryman in question raises quite a serious issue.—En.]

Chrysanthemums

Mr. W. Wells, in a letter to the Journal of Horticulture (Eng.), speaking of the Chrysanthemum shows he visited on his recent visit to the United States, pays this tribute to Merza: "The most noble vase of all was at the N. C. S. show in class 1, which asked twenty-five blooms of one variety, on long stems, without any supports. The first prize went to Mr. T. Proctor, gardener to R. W. Paterson, Esq., for twenty-five magnificent flowers of Merza. This was really too much to ask for a £5 prize, for it was without doubt, the finest single vase I saw in America, and would have gladdened the hearts of any Briton who could produce such a noble lot. Yes, Merza must take first place in 'Mums in America; it easily heads the list. If Merza could be grown here as it is over there it would head the lists in England, too. It is just a solid ball of purest white, a Japanese incurved, and the best flower I saw was 9 in. either way, and stands out on a 4-ft. stem."

Named Varieties of Show or Fancy Pansies

In a recent issue of the EXCHANGE a correspondent mentions that Peter Brown, the big Pansy man, was interested in the fact that European growers take cuttings of their Pansy stock. This, however, only applies to named varieties. By named varieties I do not mean certain named strains such as Perret or Masterpiece, but actual named Show or Fancy Pansies, and I rather fancy that these are confined almost entirely to the British Isles.

Most of the named Pansies are raised in Scotland, where they are highly esteemed, and they must not be compared with the usual seedling strains. At one time the Show Pansy was much in vogue, the flowers of this section, all being perfectly banded by a distinct color. No smudgy markings or shadings are found in true Show Pansies. Owing to the craze for size, however, the Show Pansy, which is rather small, although perfectly circular, has fallen out largely, their place on the show table being taken by the gigantic Fancy Pansies, many of which run to 4" or so across. These named Fancies, although blotched, are of a higher and more refined type than Fancy seedlings, and they are only propagated from cuttings, which insures absolute trueness, year after year.

These named varieties are usually very shy seeders and, to do them well, one has to keep them in frames during the Winter. Dobbie & Co. are probably the biggest named Pansy specialists in Europe. T. A. W.

MODIFICATION OF COLORS IN PLANTS.—Professor H. Kraemer, in reviewing the work that has been accomplished in the control of color in plants, referred to the factors which influence the color in flowers and gave the results of his own experiments, which were begun in the Autumn of 1904, and have been continued up to the present time. Various soils were experimented with, including an artificial soil, and sand to which a special nutrient was added. The chemicals used to modify the color principles were supplied to the plants in the form of solutions of varying strength, or added to the soil in the solid form, solution gradually taking place. Probably the most striking result obtained by the use of chemicals was the production of a red color in the petals of the white Rose, Kaiserin Victoria. The red occurred in the basal portion of the petals, and was produced in the flowers of plants which were supplied with potassium hydrate, potassium carbonate, calcium hydrate, and lead acetate. Blue flowers were produced by the red-flowering form Hydrangea (H. Otaksa), growing in both sand and garden soil, when supplied with potassium and aluminum sulphate, aluminum sulphate, and calcium hydrate.—*Gardeners' Magazine.*

There is no trade medium published that begins to equal the EXCHANGE in giving returns to all of its advertisers. Test it for yourself.

The New England Dahlia Society

Editor The Florists' Exchange:

We notice in your last issue, dated January 1, you state that the New England Dahlia Society held a meeting in October last. We believe we corrected this erroneous statement previously and would appreciate it very much if you would kindly state so in your paper. Our annual meeting takes place Jan. 12, at Tremont Temple, Boston, and there will be a complete change of officers for this coming year. The secretary is anxious that his term expires with this meeting, and no doubt a new secretary will be chosen. NEW ENGLAND DAHLIA SOC.,

Boston, Mass., Jan. 3, 1910. M. FULD, Sec.

The American Nursery Company

Editor The Florists Exchange:

The notice in your January first issue of changes in the American Nursery Co. erred in stating that the business established by Mr. Kelsey, in 1875, at 150 Broadway, New York City, would hereafter be owned and conducted by the F. W. Kelsey Nursery Co. The business so established is the property of the American Nursery Co., and will be conducted by that company at 149 Broadway, New York.

Mr. Kelsey has nothing whatever to do with said business, nor is he in any way connected therewith.

THEO. FOULK, President,
American Nursery Co.

Reducing the List of Dahlia Varieties

Editors The Florists' Exchange:

I have waited patiently for someone to comment on several points raised by your Dahlia correspondents in your issue of Dec. 11. The first point is that raised by Mr. Vincent in his query: "Who will reduce the list of varieties?" The most surprising thing to the writer is that with the immense number of new varieties introduced from time to time the list is so short as it is.

The American grower, on an average, has less varieties today than 10 years ago. I cannot agree with some that 10 varieties are enough, or with others that 25 are sufficient. I will go further and say that 100 are insufficient.

I have often been told that it was impossible to have 100 varieties each absolutely distinct from any other; in fact, a few years ago I took one of these "doubters" to our trial lot, which embraced over 2000 varieties, and while, of course, the majority of these were not worthy of general cultivation, yet every one had some particular merit of its own, and there were not two in the entire collection absolutely identical. It is this point which makes it so difficult to cut down the list.

To a Dahlia enthusiast—or, as often styled, "Dahlia Crank"—with sufficient space, 5000 varieties are not too many; while many commercial florists confine themselves to a dozen, sometimes a half-dozen, and in one or two instances, three varieties. The point to be gathered from this is that each grower will regulate his own list to suit his own inclination, or requirements.

The only way a list can be reduced is to establish a certain high standard in each distinct class; even then it is very difficult, because it is hard to get all the good qualities in a single variety.

Here is a pointed for plant breeders: Neither size without color, nor color without free blooming qualities will warrant the introduction of a new variety, and yet thousands of varieties have been introduced with nothing to recommend them outside of size or color.

In carefully noting the comments, the consensus of opinion is that Jack Rose has made good all claimed for it by its introducer, although in one instance it is marked to be discarded—a confirmation of the remark made above that "each grower will regulate his own list to suit his own inclination, or requirements."

This same point will also be a factor on any trial grounds; there are several now, and it is really amusing to note what the different growers will say about the same variety; and while the writer would welcome a trial ground, as proved by the aid given Professor Bailey, of Cornell University, when he took up the Dahlia, in 1895, yet these trials would not be conclusive, and no originator or introducer of a new variety would be influenced by the result of any of these trials.

We have always been inclined to send out our new Dahlias for trial with a lavish hand, never fearing the result of a fair trial; and have condemned more new seedlings than all the growers trying them combined. In other words, an originator or introducer has everything at stake and absolutely cannot afford to send out a new variety without merit.

The experience given by Mr. Miller, in the same issue, is a further example of why a single trial is of no real value.

A trial ground properly carried out would be of the greatest interest and value to everyone, yet its findings and results would not be conclusive, as every conscientious grower places his customers' interests above his own, and is governed entirely by the behavior of a plant on his own grounds, tempered by the reports received from his customers.

Berlin, N. J. LAURENCE K. PEACOCK.

Flowers from Holland

A grower in the Netherlands seeks our advice as to whether it would pay him to export cut flowers to this side. He is of opinion this could be successfully done so far as getting the blooms here in good condition is concerned, the steamers being provided with suitable cold air chambers; he knows he would have an import duty of 25% to overcome, in addition to extra freight for the cold storage.

Our reply to the inquirer follows:

Dec. 31, 1909.

"As representing the interests of our owa home growers, our natural impulse would be to use every effort to turn down any attempt at importation of cut flowers as, could this be successfully done, it would tend to the injury of the home trade.

"For that reason we have always opposed the export of cut Lilies from Bermuda at Easter time, and succeeded, some years ago, in putting an end to the greater portion of this traffic.

"Apart from our natural opposition to the proposition, however, underlie certain facts which should discourage any of the Netherland growers from the attempt.

"For instance: Many growers throughout this country, for the Christmas season just past, 'pickled' or held back their blooms in cold storage for periods of one to two weeks, expecting thereby to gain the higher prices prevalent at Christmas Day. The result was that this stock got on the market in very poor condition and the majority of it was sold for a song.

"Our conclusion is to the effect that the almost two weeks of time which would intervene between the time of picking the flowers and putting them on the market in this city would leave them in such a condition as to be unsalable, except, possibly, to the fakirs on the street. Add to this the import duty and one can readily see there would not be much in it for the consignor.

"The growers of the Netherlands now transact an immense business with this country in plants and bulbs, and it would be far better for them to endeavor to maintain an augmenting trade rather than place themselves in violent opposition to the good will of the men on this side who now grow and purchase these imports.

Yours very truly,
Pub'rs THE FLORISTS' EXCHANGE."

Books Received

HOUSE PLANTS AND HOW TO GROW THEM. By Parker T. Barnes. Doubleday, Page & Co., New York. Illustrated. 236 pages. Price $1.10.

A practical hand book dealing with plants which the author states are *sure* to succeed. The cultural statements are based on the author's own experience as a grower, but the experiences of successful amateurs are also embodied in the work, for the purpose, it is stated, of giving encouragement to beginners. It is to be regretted that the title is almost identical with that of another work on the same lines published by the A. T. De La Mare Printing & Publishing Co. of New York, the first edition of which was issued in August, 1897, and was followed by several successful editions.

THE AMERICAN FLOWER GARDEN. By Neltje Blanchan, with Planting Lists by Leonard Barron. Doubleday, Page & Co., New York. Illustrated; 368 pages.

An entertaining volume in which after a chapter dealing with partnership between Nature and Art, the subject of gardening is treated of in a most fascinating manner. From the second chapter which treats of "Situation and Design," to the last, which is devoted to "Garden Furniture," the partnership referred to in the opening chapter is kept in the mind of the reader. The formal garden, the old-fashioned garden, the naturalistic garden, the wild garden, the rock garden, and the water garden are all graphically described and their respective beauties and advantages dilated upon; and the planting lists accompanying the descriptions are very commendable from the standpoint of judicious selection, and embody sufficient information to make a choice from the plants enumerated quite easy for the amateur. Chapters on trees, shrubs, vines, perennials, annuals, bulbs, tuberous plants and grasses are all admirably presented, and one entitled "The Rose Garden" is particularly entertaining. There are four color plates, and eighty-eight full page halftone plates in the volume.

House of Pandanus Veitchii

Anton Schultheis, grower, College Point, N. Y.

The Set Design and Its Future

Who of us would take issue to protect or encourage the further development of most of the set designs that are commonly seen at a funeral?

By set designs, I refer to such as the Gates Ajar, or to the Broken Circle, and to the Clock recalling the fatal hour, also to many more of similar portent.

Have we not all received the warning from many of our patrons?

Referring to a funeral, is it uncommon to read a notice in the daily papers, requesting that flowers be omitted, and is not the reason for such a notice often directly caused by the fear of the family (to quote them in part) "That there might be some of those hideous designs sent"? And as such they may well be termed!

We will grant that these designs have their meaning, and that all understand what is sought to be conveyed in the Gates Ajar, but the sending of flowers themselves, and our very presence at such a time, makes it clearly understood that we hope for the welfare of our deceased

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — **ALBANY, N. Y.** **11 North Pearl Street**
Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Atlanta Floral Co. — **ATLANTA, GEORGIA** **41 Peachtree Street**
We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** **124 Tremont Street**
We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** **24 Tremont Street**
Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Robt. G. Wilson — **BROOKLYN, N. Y.** **Fulton St. and Greene Ave**
Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — **BUFFALO, N. Y.**
W. J. PALMER & SON, 304 Main St.

Hauswirth — **CHICAGO, ILL.** **The Auditorium Florist, 232 Michigan Ave.**
The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

JULIUS BAER, **CINCINNATI, O.** **Fourth St.**

Frank E. Crump — **COLORADO SPRINGS, COLO.** **Retail Florist**
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

W. G. Matthews — **DAYTON, OHIO** **Florist, 16 West Third Street**
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

The Park Floral Co. — **DENVER, COLORADO** **1706 Broadway**
A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

John Breitmeyer's Sons — **DETROIT, MICH.** **Broadway and Gratiot Ave.**
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

friend, and it is not necessary or good judgment that we should advertise that fact by presenting what at best is a poor description (it is to be hoped) of the eternal gates.

Then the Broken Circle! There need be no fear but that the family of the deceased is fully aware of its loss without any necessity on our part of a reminder, with such a design. As for the sending of a Clock! Is there not sorrow enough in the loss of a dear one, without some thoughtless person sending as a horror, a clock, with the hands pointing to the fatal hour, when that particular time was doubtless a greater strain for the family than the now deceased? I do not know the origin of any of these designs, but I am sure they have never met with enough marked approval to suggest their continuance.

They have just nosed into sufficient prominence, through the displeasure they create, to become a menace to the future of this important feature of our trade.

There is, however, no real objection to the Wreath and, in most instances, to the Cross, both of these being accepted by the most critical as a proper token of sympathy.

Being engaged in a delicate profession we must go more deeply into its art than to simply understand how to make up what is called for and its commercial value.

If it so be that the spirit of our trade is opposed to so many of the set designs of sympathy we should study the cause and, finding the reason a good one, should lend our help to correct the evil in question for the betterment of the trade.

Flowers first brought to the bier of the dead must have been but a handful or an armful, gathered and loosely laid or strewn about the casket, with the prevailing thought of relieving the bareness that must have been felt, or intended as a touch of color to suggest some warmth to the cold and colorless sight.

This beautiful practice being approved grew until limitless changes were brought about, many not worthy of a place and ever truly a danger to its future.

It is surmised that the thoughts which resulted in the creation of many of our designs are the outcome of those who could not get the most from the flowers obtainable; having no individuality in their work their bunches or clusters looked much alike.

When the cross and the wreath were made these same people properly had the same results; that is, they made the wreath or the cross always about alike, lacking artistic ability and the foresight to make changes in the same design.

It is not contended that we should not create changes in the arrangement of flowers for the funeral, indeed these are to be hoped for, though there must be developed as extremely artistic touches, lending in character, grace and simplicity.

Many florists are working to discourage the making of offensive designs, and all interested will do well to assist in further helping the cause. FREDERICK LEARY.

For "Supply" Advertisements see pages 58, 59

All advertisers in this column are provided with Arnold's Florists' Telegraph Code No. 16

Bertermann Bros. Co. — **INDIANAPOLIS, IND.** **241 Massachusetts Ave.**
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — **JACKSONVILLE, FLA.** **20 Laura St.**
We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — **KANSAS CITY, MO.** **1017 Broadway**
I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — **LOUISVILLE, KY.** **644 Fourth Avenue**
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA** **855 St. Catherine St., West**
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Young & Nugent — **NEW YORK** **42 West 28th Street**
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** **25 Clinton Avenue, North**
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — **SCRANTON, PA.** **122 and 124 Washington Ave**
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** **20-22-24 West Fifth Street**
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

Sievers Floral Company — **70 Geary Street** **SAN FRANCISCO, CAL.**
"Choicest of Flowers Always on Hand."

Pillow of Cattleyas, Roses, Carnations, Lily of the Valley, Rex Begonias and Whitmani Fern
Designed by Hoffmeir, Broadway and 86th St., New York.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 warde to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By first-class designer and storeman; care of Palms, etc. Address, J. Hetherington, Pequannock, N. J.

SITUATION WANTED—By a first-class all-around man, German, age 41, as foreman; best references on hand. State wages. Address, V. A., care of The Florists' Exchange.

SITUATION WANTED—By a single man, age 29, in general greenhouse work; good designer; 15 years' experience. Address, C. Hollender, 1480 Flatbush ave., Brooklyn, N. Y.

SITUATION WANTED—Competent salesman, decorator and designer wishes permanent position. Eastern or Southern city preferred. Aged 29; married. Address, V. E., care The Florists' Exchange.

SITUATION WANTED—By working foreman; good grower of cut flowers and pot plants; designer; married. State wages in first letter, please. Address F. H. Ruf, 22 E. Gravers Lane, Chestnut Hill, Pa.

SITUATION WANTED—Young man with some experience in designing and funeral work would like to learn the trade better in some New York store. Address, V. J., care of The Florists' Exchange.

SITUATION WANTED—As assistant gardener on private place, age 22, strong, willing and obliging; good grower, first-class references, commence any time. Address, Lewis Bunt, Box 144, Chassell, Mich.

SITUATION WANTED — By first-class grower of cut flowers, Easter and bedding plants; competent to take charge of first-class place. Married man; references. Address, V. F., care The Florists' Exchange.

SITUATION WANTED—By first-class designer and decorator; years of experience; the very best references. Able to take care of a store. V. K., care of The Florists' Exchange.

SITUATION WANTED—By young man, single and reliable, in a retail flower store; 2 years' experience and well recommended. Address, V. L., care of The Florists' Exchange.

SITUATION WANTED—By assistant greenhouse man; a good grower of Roses, Carnations, Chrysanthemums and general stock; good potter. Good wages expected. Address, V. H., care of The Florists' Exchange.

SITUATION WANTED—By German as assistant in general greenhouse work. Good potter. Address, L. Geb, care of Hesse's Printing, 249, Hamburg Ave., Brooklyn, N. Y.

SITUATION WANTED—By a good all-around man, German, 36 years of age, single, 22 years' experience; able to take charge. Address, R. S., care Mrs. Loherty, Lock Box 93, Watertown, Conn.

SITUATION WANTED—By a young man, American, single, age 26. Good grower of Carnations, 'Mums, Easter and bedding plants; 12 years' experience. State wages in first letter. Address, A. W., 674, Garden st., Hartford, Conn.

SITUATION WANTED—By single man, age 23; first-class Chrysanthemum, Sweet Pea and general stock grower; life experience. Best reference; quick worker. State wages. Address, D. G., care of Mr. Remsen, 263 East 10th street, New York City.

SITUATION WANTED—By single man, age 35; German; grower of decorative, general and cut stock; private or commercial place near city preferred. Good references. State particulars. Address U. B., care of The Florists' Exchange.

SITUATION WANTED—By a practical young man as assistant; experience in all greenhouse work as potting, propagating, watering, etc. Good and willing worker; could take charge; also landscape work. Address, Florist, 180 W. Broadway, New York City.

Use our columns when needing a situation.

SITUATIONS WANTED

SITUATION WANTED—As foreman or manager in a commercial establishment by a man of unquestioned ability and who has had years of experience in the growing and selling of all greenhouse products; Roses, Carnations and Chrysanthemums a specialty; also Christmas and Easter plants and flowers; good on floral designs and the arrangement of flowers for all occasions; understands the management of help. A position of responsibility desired. Address, Livingston, care The Florists' Exchange.

HELP WANTED

WANTED—At once, night fireman for greenhouse. Call or address, T. W. Lydecker, P. O. Box 206, Englewood, N. J.

WANTED—Two assistant Rose growers in American Beauty houses. Apply, with references, to Frank Dolan, care John Young Co., Bedford Station, N. Y.

WANTED—Carnation Grower. Only a sober, well experienced man needs to apply. Wages, $12.00 per week. Geo. Peters & Sons, Hempstead, N. Y.

WANTED—Engineer or Fireman for night duty. Apply, with references, to Frank Dolan, care John Young Co., Bedford Station, N. Y.

WANTED—Foreman for nursery, six years established. Some knowledge of landscape work desirable. Address, V. G., care The Florists' Exchange.

WANTED—Nurseryman; all around man, familiar with evergreens and capable of handling men. State age, experience and salary expected. T. E. Steele, Pomona Nurseries, Palmyra, N. J.

WANTED, MARCH 15, A NURSERYMAN

Of experience in packing and grading, and also a Herbaceous man. CHAS. R. FISH & CO., WORCESTER, MASS.

WANTED—An experienced nurseryman capable of handling help and waiting on customers; a good position for the right man. Apply J. J. McMannon, Florist & Nurseryman, Lowell, Mass.

WANTED—Florist assistant, private place; must understand growing of Orchids, foliage plants and fruits under glass. Good wages to the right man. Protestant. Address, J. M., 1618 Market st., Philadelphia, Pa.

WANTED—Young man, married, who is sober, honest, hustling, with some experience of greenhouse and outside work on or about April 1. Advancement later on, new house to live in free of rent. State wages expected and full particulars in first letter. American preferred. Address, V. B., care of The Florists' Exchange.

WANTED—A competent young man of good address, for office work; and to look after business outside of office as opportunity permits. Some knowledge of nursery business desirable. In first-class New York office. Give experience, references, and salary expected, or that you can earn. Address, V. M., care The Florists' Exchange.

WANTED SEEDSMAN

A competent man to work the gardener and wholesale trade, and to make himself generally useful in store when not so engaged. State in confidence where last employed, reference, and salary expected. Address, U. Y., care of The Florists' Exchange.

STOCK FOR SALE

GERANIUMS

GERANIUMS, rooted cuttings, Buchner, $1.25 per 100, $10.00 per 1000. Nutt and Buchner from 2-in. pots, $2.00 per 100. Cash. W. C. Myers & Sons, Scottdale, Pa.

GERANIUMS, R. C. Buchner, Jaulin, Nutt, Chas. Gervais Henderson, Montmarte, $1.25 per 100, $12.00 per 1000. Address, Chas. Frost, Kenilworth, N. J.

CARNATIONS

CARNATIONS—Apple Blossom and Wanoka; strong rooted cuttings. Delivery, January 1. Wanoka Greenhouses, Barneveld, N. Y.

20,000 CARNATION CUTTINGS

WELL ROOTED—READY NOW

write to

Locust Street Greenhouses,

Oxford, Pa.

J. H. A. Hutchison, Proprietor.

Our advertisers will find our

Stock for Sale Column

most advantageous for advertising special lots of plants, nursery stock, seeds, bulbs, etc.

For Quick Sales

STOCK FOR SALE

MISCELLANEOUS

ASPARAGUS, 2½ in. Plumosa, $3.00 per 100; 4 in., $6.00 per 100. S. S. Pennock-Meehan Co., 1608 Ludlow st., Philadelphia, Pa.

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices. George Peters & Sons, Hempstead, N. Y.

CLEMATIS PANICULATA SEED—New crop now ready. Must be planted in the Fall. Postpaid: ¼ lb., $2.00; ½ lb., $3.60; lb., $6.00; 5 lb. lot, $5.00 per lb. Jacob S. Handte, Asheville, N. C.

BEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2¼-in. pots, $12.00 per 100, $110.00 per 1000. Bay and Box Trees, in all sizes, pyramid and standards. Write for list. Orchids, largest stock in the country. Ask for prices. Julius Roehrs Company, Rutherford, N. J.

CALIFORNIA PRIVET. Great Bargain.
5 to 7 ft., $4.00 per 100, $36.00 per 1000.
4 to 6 ft., $3.50 per 100, $30.00 per 1000.
3 to 4 ft., $3.00 per 100, $25.00 per 1000.
F.O.B. Greensboro, N. C. This is elegant 2-year stock all heavily branched and will give a close hedge at once. Geo. M. Todd, Greensboro, N. C.

CHRYSANTHEMUM STOCK PLANT—Last call. Golden Glow, Pacific Supreme, White Cloud, October Frost, Polly Rose, Early Snow, Ivory, Byron, White Bonnaffon, Timothy Eaton, Nonin, Merry Christmas, Duckham, Dr. Enguehard, Monrovia, Georgiana Pitcher, Bonnaffon, Yellow Baby, 3c.; $2.50 per 100. Poehlmann, 5c. Gloira, 10c., $8.00 per 100. Baby Marguerite, 20c., $1.75 per dozen. Stafford Floral Co., Stafford Springs, Conn.

LILY OF THE VALLEY PIPS

FOR PROMPT DELIVERY

"Exposition" Grade..$30.00 per case of 2000
"Perfection" Grade.....$13.00 per 1000
"Hoisatia" Grade.....$30.00 per case of 2500

See our advertisement on page 45

JACKSON & PERKINS CO., Newark, N. Y.

Please mention the Exchange when writing.

NURSERY STOCK—Elm, 3-4 feet, $3.50 per 100; 4-6 feet, $6.00; 6-8 feet, $12.00; 8-10 feet, $18.00. Ash, 6-8 feet, $12.00 per 100; 8-10 feet, $18.00 per 100. Maple (Soft), 2-4 feet, $3.50 per 100; 4-6 feet, $6.00 6-8 feet, $10.00; 8-10 feet, $18.00. Catalpa, 4-6 feet, $6.00 per 100; 6-8 feet, $10.00. White Birch, 8-10 feet, $28.00 per 100; 10-12 feet, $35.00. Wild Black Cherry, 8-10 feet, $28.00 per 100. Silver Leaf Poplar, 6-8 feet, $15.00 per 100; 8-10 feet, $25.00. Nioba Weeping Willow, 6-8 feet, $35.00; 8-10 feet, $40.00. German Iris, strong divisions, $3.00 per 100. Chrysanthemum Uliginosum, $3.00 per 100. Rudbeckia, Golden Glow, $3.00 per 100. Asparagus, two kinds, 1 yr., $3.00 per 100; 2 yr., $3.50 per 100. Peonies, mixed, 3-6 eye divisions, $6.00 per 100. Peonies, white, 3-6 eye divisions, $7.00 per 100. Peonies, pink, 3-6 eye divisions, $6.00 per 100. Packing extra. The Newburys, Mitchell, S. D.

FOR SALE OR RENT

FOR SALE—Retail florist store (Brooklyn), at reasonable price. No opposition. Good reason for selling. Address, V. C., care of The Florists' Exchange.

FOR SALE OR RENT—10,000 ft. of glass in No. 1 condition; also dwelling house. Houses are stocked with Carnations, Roses and potted plants. Steam heat. For information, inquire of W. D. Snell, Herkimer, N. Y.

FOR SALE—Six large and two small greenhouses, 15,000 feet of glass; partly stocked. 2½ year lease; in good locality. Also small dwelling attached; good reason for selling. Address, W. B. Hoffman, Price ave., Lansdowne, Pa.

For Sale

WESTERN NURSERY

Forty acres of deeded and 40 acres of leased land. Stock all salable size; clean and healthy; not a scale or bug. Trade has almost doubled each year. We ship 5 to 12 hundred miles west and north of us. Trade to be supplied unlimited. We have a complete general line of nursery stock. We do a strict catalog business. Are well advertised and have a good name.

Will sell for cash, or part cash and time on balance to a man that knows the business and is a pusher. This is a good sound investment and will pay a good dividend.

Address

NURSERYMAN,

Care of THE FLORISTS' EXCHANGE

Please mention the Exchange when writing.

FOR SALE OR RENT

FOR SALE—Retail greenhouse establishment; five houses, large work shed and store room; cottage in rear; about one acre ground. Fourteen miles from New York City; two railroads; several trolley lines. Price, $5000. Write, Lewis H. Wise, Jersey City, N. J.

For Sale

Store and Retail Business

A fully equipped and only store in town of 15,000 in New York State, the entire good will and an established business for more than 15 years. Business now $8,000 to $10,000 per year and can be much increased by a good, live man. On account of poor health am willing to sell at a sacrifice and $3000 will buy it. If you mean business, address,

C. B. F., Care The Florists' Exchange

Please mention the Exchange when writing.

SUNDRIES FOR SALE

FOR SALE—10 shares Growers' Cut Flower Company's stock, selling at $35.00. Address Henry Lustgarten, Manhasset, L. I.

FOR SALE—One 7-section Weathered boiler; headers and nipples must be replaced; otherwise in good condition. Price, $76.00, f. o. b. Manhasset, L. I. Address Henry Lustgarten, Manhasset, L. I.

FOR SALE—One improved 8-in. Ryder hot-air pumping engine; capacity, 2000 gallons an hour; cost, new, $380.00; in perfect running condition. Will sell same for $125.00. Best of reasons for selling. A. Ellery Briggs, Dighton, Mass.

FOR SALE—Three greenhouses at No. 416 Elm Street, Pittsfield, Mass. Glazed with 16x24 A double thick glass; heated with one large 8-section Furman boiler, 2-in. pipe. The drip bars and other material are all of Cypress—just like new. We will sell all or any part of same. Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

MISCELLANEOUS WANTS

WANTED TO LEASE—Store or greenhouses in good retail location. State particulars. Address, Box 97, Jersey City, N. J.

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED TO LEASE—8-12,000 feet of glass. Houses must be in good condition. Full particulars in first letter. Address, P. A. Knoll, 72 Ackermann Ave., Clifton, N. J.

WANTED TO LEASE—Greenhouse establishment within twenty-five miles of New York City. State number and size of houses in first letter. Address, V. D., care The Florists' Exchange.

PIPE FOR SALE

50,000 ft. 2-in. second-hand pipe, in lengths of 20 ft., with new threads and couplings, covered with a slight coat of rust. This material was used for but a short time in one of the tunnels in this city, and is in perfect condition; guaranteed free from holes or splits. Will dispose of the above, in 1000 ft. lots, for 6c. per ft., f.o.b. cars Brooklyn, N. Y.

We also carry in stock all sizes second-hand Pipe and Boiler Tubes.

EAGLE METAL & SUPPLY CO.

6 ROEBLING ST. BROOKYN, N. Y.

Please mention the Exchange when writing.

We Pay The Freight on cut-flower and design boxes. See our price list on page 58, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.

Box 200 . . . Castorland, N.Y.

Please mention the Exchange when writing.

Commercial Violet Culture *Price $1.50*

The Florists' Exchange, 2 to 8 Duane St., N. Y.

FOR SALE

FLORISTS' ICE BOX 8 ft. x 8 ft., two upper doors, hevelled French mirrors, two lower doors, double thick glass, second-hand but in good condition, $35.00.

RADIATORS Steam, 1½c. per lb.; hot water, 2c. per lb. Guaranteed. All sizes in stock.

BOILERS The following new, round, portable hot-water boilers—guaranteed, 16-in., rated to heat 1,125 sq. ft. of glass, $34.00. 19-in., rated to heat 1,500 sq. ft. of glass, $46.00. 23-in., rated to heat 2,350 sq. ft. of glass, $64.00. 26-in., rated to heat 3,075 sq. ft. of glass, $90.00. No. 45, rated to heat 4,200 sq. ft. of glass, $119.00. No. 331, rated 6,975 sq. ft. of glass, $174.00. Get our prices on second-hand boilers. We have one of the largest stocks of new and second-hand round and sectional hot-water and steam boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 6½c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

STOCKS AND DIES New and second-hand. About 50 sets of the following make: Economy, Genuine Adjustable. In sizes threading from ⅛-in. to 4-in. pipe.

PIPE VISES New and second-hand; gripping ½-in. to 4-in. pipe.

PIPE CUTTERS New and second-hand. Saunders pipe cutters and three wheel cutters. All sizes.

STILSON WRENCHES New and second-hand in all sizes, and flat chain wrenches, capacity up to 8-in.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 8c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft., 85c.; glazed complete $1.60 up. 176 new 1¾-in. sash, painted, glazed with four rows of 7x9 glass at $1.65. Also 1¾-in. new sash painted and glazed with three rows 10x12 double, at $1.80 each.

PANSY AND FLOWER BOXES. All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box. 8x10, 10x12 and 10x16 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Question Box

(7) **Bugs on Sweet Pea Roots.** I find lots of little white round bugs at the roots of my Sweet Peas, eating the roots and killing the plants. What is the best and quickest way to get rid of them?—Sweet Pea, Maryland.

—Try tobacco water, lime water, Aphine, Nicoticide, or bisulphide of carbon.

(8) **Lilies for Easter.**—Is it possible to get giganteum Lilies in for Easter that are only now coming through the dirt in the pots, and which, while not unusually well rooted, are fairly well rooted? If it is, what treatment should they have from now right along until Easter? Also the same question in regard to giganteums that are standing some three or four inches high? Also the same question in regard to Japanese multiflorum Lilies, which seem to have been from the district of Gumma, and were quoted on and sold by the bulb merchant as Gumma multiflorum Lilies? These Lilies were potted up in 5" pots on December 17. Can they be flowered for Easter, and if so what temperature, treatment and etc., will they require? The other Lilies that I have mentioned are in 6" pots.—C. A. D. C., Georgia.

—Would advise you to get your Lilies on the bench in a house immediately, where the temperature can be maintained at 70° night and day. The time is short and every day must count. A great deal depends on the weather, also on the man in charge. Careful watering and steady temperatures should bring results from all your varieties. Keep a sharp outlook for greenfly. Rearranging plants on the bench according to height, every two weeks is found beneficial and gives every plant a chance. Put the ones most backward in the warmest part of the house. Keep temperatures about 60° at night the first few days, gradually increasing until 70° is reached.

(9) **Azaleas for Easter.**—Please let me know when to put in Azaleas and what temperature to keep them at to have them the week before Easter.—J. S., New York.

—As Easter comes, this year, on March 28 it will be necessary to put your Azaleas into a warmer greenhouse about February 15, according to variety. Mad. Van der Cruyssen and Niobe require a trifle longer time, but for ordinary varieties such as Vervæneana, Deutcha Perle, etc., from four to five weeks will bring them about right. Keep tops of plants well syringed, in order to have flowers develop evenly, allow a few days to harden plants off after showing color well. A night temperature of about 55° would be about right.

(10) **Specimen Plant for Name.**—N. B., New York.

—Your plant is Mina sanguinea.

(11) **Violet Leaves Diseased.**—I am enclosing a few Lady Campbell Violet leaves that have a disease I don't understand. Our greenhouses were not in shape to bring in my Violets until October, but they had been doing well until about a week ago, when the outside, around the edge of the leaves, began to turn. I have been picking them off but they don't seem to do any better. I am keeping the temperature at from 40° to 45.° I would keep it lower but have Lettuce in the same house. Can you advise me as to the nature and remedy for this disease; if so, I shall be greatly obliged for the information?—A. W., Michigan.

—Your trouble seems to be due to too high temperature, perhaps during the recent holiday season, and from too much moisture at the roots and on foliage at night. Would advise picking off all affected leaves, and giving more air to the plants; also stirring the soil and allowing it to get quite a little on the dry side. Give your plants a slight rest for a week or so after which feed with weak liquid manure.

Rooted Cuttings

VINCA VARIEGATA
CARNATIONS, Winsor, Viola Sinclair and Prospector

$1.00 per 100, $8.00 per 1000

J. W. ADAMS & CO., SPRINGFIELD, MASS.

AMPELOPSIS VEITCHII

Fine, well rooted, one year plants, 18 to 24 inches; 50, by mail, $2.00; 100, by express, $3.00; 1000, $25.00. Plants in cellar. ASPARAGUS ROOTS for Spring, extra strong, 2 year plants, $1.00 per 100; $4.00 per 1000. 3 years, $1.25 per 100; $5.00 per 1000. They will please.

CHARLES BLACK, Hightstown, N. J.

Surplus Bulbs

AT CLEARANCE PRICES

	100	1000
Chinese Sacred Lilies. Per basket (30) 85c		$3.00
Tulips, Superfine, Single Mixed	.50	$4.00
" Double	.50	4.00
Narcissus, Choice Mixed, Fine	.40	4.00
Hyacinths, Single Mixed	2.00	18.00
" Double "	2.00	18.00

Write for our wholesale catalogue for florists and market gardeners, just issued

JOHNSON SEED COMPANY

217 Market St., PHILADELPHIA, PA.

ASPARAGUS PLUMOSUS

From 2¼-inch pots, $2.50 per 100, $22.50 per 1000.

Cash with order please

FLORAL HILL GARDENS

G. F. NEIPP, Prop.

CHATHAM, N. J.

GERANIUMS

Strong 2-in. stock.

S. A. Nutt, Heteranthe, Jean Viaud, La Favorite, L'Ami, $2.00 per 100, $18.00 per 1000; our selection, $17.00 per 1000. Pamela, $4.00 per 100. Mlle Anastasie, Lecadre, $3.00 per 100. Red Wing, the best novelty of the season, 25c. each, $2.50 per doz. Write for Geranium catalog.

F. H. DeWitt & Co., Wooster, Ohio

GERANIUMS

Rooted Cuttings

S. A. NUTT, $10.00 per 1000.

Cash with order

FRED W. RITCHY, Lancaster, Pa.

CANNAS and GERANIUMS

WE have as good a list of CANNAS for florists' use as can be found. Strong 2 and 3-eye divisions, Northern grown Cannas, divided from the clumps, just before shipping; are far superior to stock shipped from the South. We firmly believe that Cannas divided early, packed in thin boxes and stored for weeks or months, have lost much of their vitality before the grower gets them.

Beaute Poitevine, Crimson Bedder, Duke of Marlborough, Alphonse Bouvier, Egandale, Robert Christie, Florence Vaughan, Burbank, Pape Nardy, $2.50 per 100, $20.00 per 1000. **King Humbert,** $5.00 per 100. (Many other varieties, but the above are a few leaders.)

GERANIUMS Let us have your order for GERANIUMS for immediate shipment or to reserve until you want them. Standard varieties like **S. A. Nutt, Mme. Berney, John Doyle, Alphonse Ricard, Beaute Poitevine, Mme. Landry, Bertha de Pressily, Marvel and La Favorite,** $25.00 per 1000 for strong 2¼ in. pot plants.

Selections of 1000 in named varieties, our choice, all good sorts, $20.00 per 1000. Tell us how many varieties you wish. Can do 50 if you want that many.

THE STORRS & HARRISON CO., PAINESVILLE, OHIO

Please mention the Exchange when writing.

Geraniums

S. A. Nutt, Buchner, La Favorite, Jean Viaud, John Doyle and finest Mixed, $2.00 per 100, $5.00 per 300, $16.50 per 1000.

Cinerarias, Primula Obconica, Asparagus Sprengeri, Ivy Geraniums, Double Petunias (Dreer's), $2.00 per 100, $5.00 per 300.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

GERANIUMS ROOTED CUTTINGS READY TO SHIP

	100	1000
S. A. Nutt	$1.10	$10.00
Buchner and La Favorite	1.25	10.00
Castellane	1.50	14.00
Ricard	1.50	14.00
Poitevine	1.50	15.00

CARNATION CUTTINGS, rooted or unrooted—Prices on application.

B. F. BARR & CO., Keystone Nurseries, Lancaster, Pa.

Please mention the Exchange when writing.

Geraniums

4000 S. A. Nutt, R. C., $1.25 per 100, $10.00 per 1000. Also 1500 out of 2¼-in. pots, $2.00 per 100. Cash with order.

E. A. BLINN, Cromwell, Conn.

Please mention the Exchange when writing.

GERANIUMS

RICARD S. A. NUTT BUCHNER

from 2½-inch pots

Extra Fine lot of Strong, Cool-Grown Plants

$2.25 per 100, $20.00 per 1000

Order Now—Address

J. R. BROOKS

OXFORD DEPOT (Orange County), N. Y.

Please mention the Exchange when writing.

Geraniums

S. A. Nutt, Bruanti, and Snowdrop, 2½-in. $2.00 per 100.

CARNATIONS, R. C. ready Jan. 1. Enchantress and Lloyd, $1.50 per 100, $12.00 per 1000.

L. C. HAPPEL, Waynesboro, Pa.

Please mention the Exchange when writing.

Stock Guaranteed

75,000 S. A. NUTT Geranium cuttings, $10.00 per thousand

GEO. B. HART

24 Stone Street, ROCHESTER, N. Y.

Please mention the Exchange when writing.

GERANIUMS

All sold until February. Orders booked for February and March delivery. Nutt at $10.00; Poitevine and Ricard at $15.00 per 1000.

ASPARAGUS Plumosus, $25.00 per 1000; Sprengeri, $15.00 per 1000. Ready now.

ALBERT M. HERR, LANCASTER, PA.

Please mention the Exchange when writing.

Geraniums! Geraniums!

Nutt, Doyle, Buchner, La Favorite, Poitevine, Grant, Bruanti, and others, at least, 100,000, out of 2¼-in. pots, in fine condition, at $13.00 per 1000; 500 at 1000 rates.

AGERATUM, Stella Gurney, Pauline and others, from 2¼-in. pots, $1.00 per 100; $9.00 per 1000. Rooted cuts, 60c. per 100.

HELIOTROPE, 2¼-in. pots, $2.00 per 100.

Cash to accompany the order.

J. E. FELTHOUSEN

154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

GERANIUMS

S. A. NUTT, from 2¼-in. $2.00 per 100, $18.00 per 1000.

MME. SALLEROI, from 2¼-in. $2.00 per 100, $18.00 per 1000.

Please state if shipped with or without soil.

Cash with order.

C. A. PETERSON, Madison, N. J.

Please mention the Exchange when writing.

Established 1820

Special Offer OF GERANIUMS

2½ inch, S. A. NUTT, $16.00 per 1000.

Cash or C. O. D.

H. S. HOPKINS

BINGHAMTON, N. Y.

Please mention the Exchange when writing.

GERANIUMS

Low, stocky, from pots sent nearly free of soil. S. A. Nutt, Bruanti Dble. Grant, $12.00 per 1000. Buchner, Ricard, Poitevine, Perkins, Hill, etc., $16.00 per 1000.

COLEUS Ver. and G. Bedder, $6.00 per 1000. Fancy, very brightest only, $5.00 per 1000. Giant Leaved, most showy of all, 90c. per 100. Many kinds, some new. Cash.

ASTER SEED, Best long stem kinds for cut flowers. Special low prices to Dealers. Write.

DANIEL K. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

Geraniums

Rooted Cuttings

S. A. NUTT, BUCHNER, ... per 1000, $10.00
VIAUD, ... per 1000, 12.00

Cash with order.

PETER BROWN, 124 RUBY STREET, LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings

	Per 100		Per 100
Castellane	$1.25	Poitevine	$1.50
Buchner	1.25	Nutt	1.25

PELARGONIUMS

Mixed $2.00

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

Chiffons, Taffeta and Satin Taffeta Ribbons

That contain the utmost value for your money.
Narrow, medium and wide widths.

WRITE FOR SAMPLES

The Pine Tree Silk Mills Co.

Philadelphia, Pa.
806-808-810 ARCH STREET

Please mention the Exchange when writing.

Henry M. Robinson & Co.,

Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

Dagger and Fancy Ferns, $1.50 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph

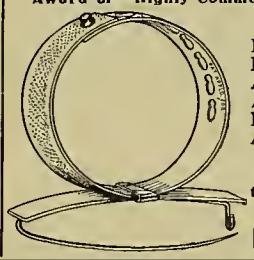
Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, BOSTON, MASS.

Please mention the Exchange when writing.

WILSON'S CORSAGE-BOUQUET HOLDER

Award of "Highly Commended" at the S. A. F. Trade Exhibition at Cincinnati.



Holds Corsage-Bouquets securely and gracefully.
Prevents damage to apparel.
Adjustable to any diameter of bouquet stem.
Adaptable to anything from Violets to Roses.
Does away with Corsage Pins.
A handsomely silver plated article and ornamental in itself.

Samples to the trade, 25c. each, by mail postage paid. By the dozen $3.00, postage paid, Correspondence Solicited.
Address

ROBERT G. WILSON, Fulton St. & Greene Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

FANCY OR DAGGER FERNS,

$1.00 per 1000.

GALAX, bronze or green, $1.00 per 1000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock Try a bale. GREEN MOSS, $1.25 per barrel.

Use our LAUREL FESTOONING, for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods.

SMILAX, 50 lb. cases, $6.00.
PINE, 7c. per lb.

CROWL FERN CO.

Telegraph office: New Salem, Mass.
L. D. Phone Connection

Partridge Berries, $2.00 per 1000 or 10c. per bunch of 50 sprays.—Order now. Nice, large bunch of Laurel Branches, 35c. Laurel and Pine wreaths, $2.00 to $3.00 per doz. Boxwood, $12.00 to $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

THE KERVAN CO.

113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roplngs made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays,

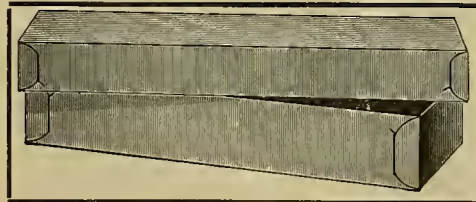
Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

CHRISTMAS GREENS, Holly, Mistletoe, Pine Plumes, Table and Christmas Trees.

All Decorating Material in Season.

Please mention the Exchange when writing.



Cut Flower and Design Boxes

All Sizes, Lowest Prices Write

C. C. Pollworth Co.
MILWAUKEE

Please mention the Exchange when writing.

THE AMERICAN CARNATION

By Peter Bisset

Price $3.00. Send for Sample Pages

A. T. De La Mare Ptg. and Pub. Co., Ltd., 2 to 8 Duane Street, NEW YORK

Retail Notes

THE BOHANNON VIOLET CLASP.—The attention of retailers is directed to the unique corsage bouquet clasp, originated by L. R. Bohannon, of the Bohannon Floral Co., 11 Monroe st., Chicago, advertised in this issue. This is a novelty which has already become very popular and is being ordered by all uptodate florists throughout the United States. It is so constructed that it cannot fail to hold the corsage firmly, and so unique in design as to be an addition to the attractiveness of the bouquet. Mr. Bohannon has the names of his regular customers engraved on the holder at the beginning of the season, and this little courtesy does much to assist him in retaining their undivided patronage. The clasps can be had in both gold and silver finish, and can also be ordered in solid gold or silver. These goods are being handled by the A. L. Randall Co., Chicago, and H. Bayersdorfer & Co., of Philadelphia.

BELVIDERE, ILL.—John W. Lyon will open a retail florist store at 205 South State st.

Notes Around Philadelphia

Wm. Mahowsky, 208 W. Girard ave., reports good sales of plants and moss wreaths for Christmas and a number of cemetery orders which, however, he was unable to deliver for several days owing to the storm. He is sending a nicely decorated wall pocket calendar to his customers as a holiday reminder.

Mrs. A. Ehrhard, who was located for 15 years at 434 Poplar st., was buried the last week in October. Mrs. Ehrhard was very well known by the local trade. The business at present is conducted by her daughters who, however, are interested in other lines and expect to dispose of the floral business in a short time.

Mrs. S. Hickman, 339 W. Girard ave., had a fine business during the Christmas holidays and found trouble in getting enough stock to supply her trade having to buy a quantity at retail in order to fill orders. The best sellers were moss wreaths and potted plants. A nice lot of funeral work is coming in and Mrs. Hickman is well satisfied with trade obtained during the few months she has been in the business.

An Educational Pamphlet

It would come under the designation of a catalog were it not so superbly illustrated—we refer to a booklet issued by the M. Rumely Co. of La Porte, Ind., entitled "Toiling and Tilling the Soil." The Rumley Co. are manufacturers of machinery for plowing, and this little work is explanatory of the manufacture of their Oil Pull Tractor, which will plow one acre of land at a cost of 75c. for three gallons of kerosene oil and, additionally, can be used for many other labor-saving purposes on an estate where either traction or belt power is required.

The Late King Leopold

King Leopold II. of Belgium had his hobbies and accomplishments. In particular, he was devoted to horticulture, and was said to be one of the cleverest landscape gardeners of his time, the proofs of his skill under this head being visible in the beautiful gardens of his palace at Laeken. Considerable abilities as an architect have also been ascribed to him, and he was said to have taken a leading part in the designing and rebuilding of Laeken after its almost total destruction by fire. Music, on the other hand, he is said to have positively disliked, and it has been told that his practice was to get up and leave the room during the lifetime of Queen Marie whenever she sat down to the piano. Of uncommon height, with a long beard, piercing eyes, and a prominent nose, the king was possessed of a queer personality. In the park and woods at Laeken he would walk for hours, tiring out even his constant companion, the late Mr. Knight, his English gardener. On one of these walks, reports a weekly paper, he sat down at a cottage door and ordered a glass of milk, talking the while to Knight in English. Having brought out the glass, the old woman living in the cottage muttered: "I wonder how much the long nosed Englishman is going to pay me for my milk?" "Do me the favor to accept a portrait of the long-nosed Englishman," replied the monarch, presenting her with a five-franc piece.

Prices Advertised in these Columns are for THE TRADE ONLY

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside
All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.25	28x8x4	$4.50
18x5x3	2.25	30x5x3½	3.75
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21x7x3½	3.25		

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

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16x16x8	$8.00	36x14x10	$16.50
18x18x8	9.00	36x10x6	10.00
20x20x8	10.00	30x12x7	8.50
24x24x8	12.00	28x12x4	6.50
24x18x8, Pillow Box			12.00
20x16x8, Pillow Box			10.00

10% discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

If you want a Pure White Box, our "White Carnation Brand" will please you. Prices are 10% higher than the "Favorite Brand," and are made on special order only.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders received during January amounting to $15.00 or more.

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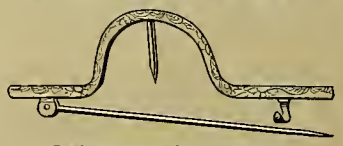

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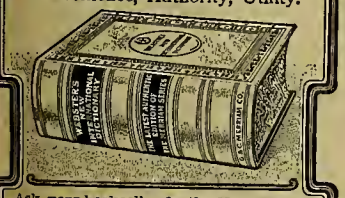

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For twenty-five cents, cash, we will forward you a handsomely printed card, worth framing, which you can hang in a conspicuous part of your store, to let your customers know you "fill orders for flowers, plants or floral designs to any point" by telegraph.

A copy of Arnold's Florist's Code, price $2.50, will give you a key for the cipher transmission of orders to any of the advertisers in our "Directory of Reliable Retail Houses." All for sale by

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The Weekly MARKET GROWERS JOURNAL is the ONLY paper published exclusively for market gardeners and truck farmers. It carries a special department devoted to the greenhouse forcing of vegetables and is the official organ of the Greenhouse Vegetable Growers' and Market Gardeners' Association of America. Recognized by Department of Agriculture and Experiment Station officials as authority on vegetable forcing.

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"The articles on Growing Lettuce by Mr. Waid and Growing Cucumbers by 'Grower' are worth ten years' subscription to a beginner."

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Wishing to do business with Europe should send for the

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This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

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A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00.

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JOHN G. ESLER, Saddle River, N. J.

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The American Carnation Price $3.50

A. T. DeLa Mare Ptg. & Pub. Co., 2 Duane St., New York.

CLUBS and SOCIETIES

Florists' Club of Philadelphia

A well attended meeting of the Florists' Club of Philadelphia was held on Tuesday evening, January 4, at its regular meeting place. After the usual formalities had been gone through, a letter was read from the Gardeners and Florists' Club of Baltimore, Md., conveying resolutions and expressions of sympathy passed by that society, on the death of Wm. K. Harris.

A fine display of Stocks and Wallflowers was exhibited by Edw. A. Stroud of Overbrook, Pa., which contained the varieties Beauty of Nice, light yellow, and Empress Elizabeth, rose pink Stocks, and early Paris Wallflower, all the result of seed sown last June; it was generally agreed that these flowers are very useful to florists for forcing purposes.

Harry Gould of Wyncote, Pa., was duly elected to membership in the Club.

The committee were fortunate in securing Mr. Edw. A. Stroud of Overbrook, Pa. to read a paper at the meeting on "Building a Retail Business in a Growing Community." (This paper will be printed in our next issue.)

After the reading of the paper a general discussion ensued, in which D. Rust, Geo. Watson, A. Fahrenwald, Mr. Thilow and others, took part, all adding their very profitable experiences to those noted in the paper. D. Rust spoke of the necessity of individual effort and gave it as his opinion that more of it would create a great collective interest, and benefit the community in general. Mr. Thilow entered into the spirit of the paper, and gave several interesting incidents he had met with in his recent travels in Europe. A. Fahrenwald expressed his views on the difficulty met in arousing local interest in the average American flower show, but gave it as his opinion that the S. A. F. had made a step in the right direction in giving the National show in Chicago last year and in going ahead with the contemplated one in Boston in 1911. A unanimous vote of thanks was given Mr. Stroud for his excellent paper.

The Club room committee brought a proposition before the Club to have a "ladies' night" some time about the end of the month; this met with popular approval, and was voted upon accordingly, after which adjournment was taken. At the next meeting a paper will be read by A. Fahrenwald on "The American Rose Society and its Aims."

Massachusetts Horticultural Society

The inaugural meeting of this Society was held at Horticultural Hall, Boston, on Saturday last with a good attendance.

In his address, Pres. S. M. Weld spoke very favorably of the work of the Society for the past year and urged the members to do all they could in making the large exhibitions of the coming year a success.

The treasurer's report showed the financial conditions to be better than that of any year since the new building had been occupied.

At the trustee's meeting, the donation of $2500, to be known as the Geo. R. White fund, the interest of which is to be used in the form of a gold medal of honor to be awarded each year to that person who may have been most eminent in his horticultural work for the year, was accepted and the first medal was awarded to Prof. C. S. Sargent.

Nine life members were added to the Society's roll. A gold medal of the Society was awarded to E. H. Wilson for his exhibit of photos of trees and plants in China.

It was also voted to get out a catalog of books contained in the Library.

The following committees were appointed for the year 1910:

Committee on Prizes and Exhibitions.—John K. M. L. Farquhar, Boston, Chairman; Robert Cameron, William N. Craig, J. A. Pettigrew, Charles S. Sargent, William Sim, M. A. Patten.

Committee on Lectures and Publications.—W. J. Stewart, Chairman; E. B. Wilder, W. P. Rich, Harry F. Hall.

Committee on Plants and Flowers.—T. D. Hatfield, Wellesley, Chairman; Duncan Finlayson, Peter Fisher, Thomas Roland, William Thatcher, S. J. Goddard.

Committee on Fruits.—E. B. Wilder, Chairman, J. Willard Hill, James Wheeler.

Committee on Vegetables.—Josiah B. Shurtleff, Jr., Revere, Chairman; John W. Duncan, George D. Moore.

Committee on Gardens.—Charles W. Parker, Boston, Chairman; T. D. Hatfield, J. B. Shurtleff, Jr., Wm. Nicholson, Arthur H. Fewkes, Julius Heurlin, Wilfrid Wheeler, F. E. Palmer, Wm. P. Rich, Thomas H. Westwood, A. F. Barney, Jas. Bowditch.

Committee on Children's Gardens.—Mrs. R. G. Shaw, Wellesley, Chairman; Mrs. Katherine P. Peabody, Mrs. Dudley L. Pickman, Mrs. E. M. Gill, Mrs. John E. Thayer, Miss Margaret A. Rand.

Committee on Library.—C. S. Sargent, Chairman; Geo. E. Dorr, C. S. Minot, E. B. Dane.

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Assorted Ferns for Jardinieres fo 6 to 8 best varieties. Good, strong plants from 2¼ in. pots at $3.00 per 100, or $25.00 per 1000.

ASPARAGUS P. NANUS Seedlings, strong, $1.00 per 100, $9.00 per 1000.

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Best varieties, full grown plants from 2¼-in. pots, $3.50 per 100; $30.00 per 1000.

Asparagus P. Nanus 2¾-in. pots, $3.00 per 100; $25.00 per 1000; 3-in., $6.00 per 100.

Cocos and Kentias 8 to 10 in., at $10.00 per 100

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NEPHROLEPIS WHITMANI

From bench, ready for 6-inch pots, $20.00 per 100. Write for prices; state quantity you can use.

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WHITMANI, 2¼-in., $5.00 per 100; $40.00 per 1000.

MAGNIFICA (new), $25.00 per 100.

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CATTLEYA Warneri, C. Harrisoniae, C. Gaskelliana, C. Gigas, Hardyana type; DENDROBIUM Phalenopsis, Schroederi; ODONTOGLOSSUM Luteo-purpureum, Sceptrum.

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ORCHIDS! ORCHIDS!

A large and attractive lot of established plants; also importations coming, which we offer at advantageous prices.

ORDONEZ BROS, 41 W. 28th St. New York, also Madison, N. J.

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"On my part I can truthfully say that my advertisement in The Florists' Exchange has, from the beginning, been most satisfactory." Name and address on application.

Verbenas! Verbenas! Verbenas!

THE SEASON IS NOW OPEN

OUR SELECTION

Rooted Cuttings .....75c. per 100, $6.00 per 1000
Strong plants in 2½-in. pots .....$2.50 per 100, 20.00 per 1000

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Strong plants in 2½-in. pots .....$3.00 per 100, 25.00 per 1000
Plants of Mrs. Wm. Taft and Miss Wilmott.....4.00 per 100, 30.00 per 1000

When Rooted Cuttings are ordered sent by mail, add 10 cents per 100, 50 cents per 1000, to pay postage.

J. L. DILLON, Bloomsburg, Pa.

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Hardy Perennials

Field-grown Clumps.

	Per 100
OENOTHERA Youngii	$4.00
HARDY PHLOX, Peachblow	3.00
HARDY PHLOX, mixed	1.50
PHLOX subulata alba	2.50
PHLOX maculata	3.00
PEONY Whittleyi	6.00
RUDBECKIA purpurea	4.00

SHRUBS

SPIRAEA Anthony Waterer, 2-3 ft.	7.00
HYDRANGEA grand. alba, 2 yr.	25.00
HYDRANGEA p. g., 2-3 ft.	7.00
CALIFORNIA PRIVET, 12-18 in.	1.50

Cash with order.

All the best varieties of DAHLIAS in strong field roots.

J. MURRAY BASSETT, Hammonton, N. J.

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Splendens Giganteum Hybrids

The strain which I offer is unsurpassable. A fine lot of well budded plants, 5 colors, including Fimbriatum, from 4-in. pots, $15.00; from 6-in. pots, $20.00 per 100; August Seedlings, twice transplanted from flats, first-class stock, $3.00 per 100, $25.00 per 1000.

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Alp. Ricard, John Doyle, Castellane, S. A. Nutt, Beaute Poitevine, E. G. Hill, Mme. Landry, Jean Viaud, Mme. Thibaut, La Favorite, strong plants, separate or equal mixed, 2½-in. pots, $2.50 per 100; $22.00 per 1000.

CANNAS

Alphonse Bouvier, Chas. Henderson, Chicago, Mme. Crozy, Papa, Pres. McKinley, Florence Vaughan, J. D. Cabos, Egandale, strong tubers, $1.75 per 100, $15.00 per 1000. Satisfaction Guaranteed.

PAUL MADER, East Stroudsburg, Pa.

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PETUNIA DOUBLE

10 kinds, 2 in., 2c.

Snapdragon, (Giants) 2-in. 2c., $18.00 per 1000. Giant white, pink, scarlet and white, large seedlings, as good as 2-in., $1.00 per 100.

Asparagus Plumosus Nanus, 2-in. 2c. Smilax, 2-in., $1.25 per 100.

Abutilons, 3 kinds, 2-in., 2½c.

Lantana, asstd., 2-in., 2c.

PRIMULA

Primula Obconica G. alba, Rosea, Giant, 2-in., 2c.

Heliotrope, 2-in., $1.50 per 100. Cuphea, 2-in., 1½c.

Poinsettia, stock plants, 5c.

Geraniums, Double Grant, Rose, etc., 2-in., $2.00 per 100.

Coleus, 10 kinds; Ageratum, 3 kinds; 2-in., $1.50 per 100.

Rooted Cuttings, prepaid per 100. Heliotrope, $1.00; Fuchsia, 8 kinds, $1.00; Paris Daisy, yellow, white, $1.00; Cuphea, 75c. Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, 3 kinds, 60c.; Ageratum, 3 kinds, 60c.; Swainsona alba, $1.00; Dbl. Petunias, 10 kinds, $1.00. Feverfew, Gem, $1. Flowering Begonia, 8 kinds, $1.25; Salvia, 90c. Cash with order.

BYER BROS., Chambersburg, Pa.

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Violets! Violets!

MARIE LOUISE, clean and healthy in every particular. 3-inch pots, $5.00 per 100, $45.00 per 1000.

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F. E.—Best Advertising Medium

ASPARAGUS

	Per 100
Plumosus Nanus, 3-in., fine	$5.00
DOUBLE PETUNIAS, 2-in.	2.00
HELIOTROPE, dark, 2-in., strong	2.00

ROOTED CUTTINGS

BEGONIAS, 5 flowering varieties, R. C.	1.25
DOUBLE PETUNIAS, 25 vars., Dreer's strain	1.00
LANTANAS, Dwarf, 5 vars.	1.00
LANTANAS, trailing	1.25
ABUTILON Savitzii	1.50
HELIOTROPE, dark, for soil, R. C.	1.00
GAZANIA Splendens	1.50
STROBILANTHES Dyerana	1.25
CUPHEA	.75
AGERATUM, Gurney, Pauline, and White	.60

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

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HEACOCK'S PALMS

Areca Lutescens	Each
6-in. pot, 3 in pot, 24 to 26-in. high	$0.75
6-in. pot, 3 in pot, 28 to 28-in. high	1.00
7-in. pot, 3 in pot, 30 to 32-in. high	2.00

Cocos Weddelliana	100
2½-in. pot, 8 to 10-in. high.	$10.00
2½-in. pot, 10 to 12-in. high	15.00

Kentia Belmoreana	Each	12
6-in. pot, 6 to 7 lv., 18 in.	.100 $50.00	$8.00
6-in. pot, 6 to 7 lv., 22 to 24 in	$1.00	12.00
7-in pot or tub, 6 to 7 lv., 34 to 36 in.	2.50	30.00
9-in. tub, 6 to 7 lv., 42 to 48-in., h'vy,	5.00	
9-in. tub, 6 to 7 lv., 48 to 54 in., h'vy,	8.00	

Made-up Kentia Forsteriana	Each
7-in. pot, 4 in pot, 34 to 36-in.	$2.50
7-in. pot, 4 in pot, 36 to 38-in.	3.00
9-in. tub, 4 in tub, 42 to 48-in.	5.00

JOSEPH HEACOCK CO., Wyncote, Pa.

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PETUNIAS, Dreer's Superb, double fringed; the best selected large-flowering doubles, finely fringed, mixed colors, $1.00 per 100, $9.00 per 1000.

FUCHSIAS, finest double, dwarf habit, $1.00 per 100, $8.00 per 1000.

HELIOTROPE, dark, good stock, 75c. per 100, $6.00 per 1000.

PETUNIA, The Queen, fine double fringed, white mingled with purple, $1.00 per 100, $9.00 per 1000.

DOUBLE LOBELIA, Kathleen Mallard, $1.00 per 100, $8.00 per 1000.

SALVIA Zurich, absolutely true to name, $1.00 per 100, $8.00 per 1000. Bonfire, 80c. per 100, $7.00 per 1000.

AGERATUM Stella Gurney, 60c. per 100, $4.00 per 1000.

Cash with order.

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HARDY GARDEN PINK PLANTS

Glen Valley. Variegated.
Improved New Mound. A dark pink.
Edith. Medium shade of pink, a distinct variety.
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Wellesley. Dark pink shade, a taller variety.
Price $5.00 per 100. No Catalog.

THADDEUS HALE,
Cor. Forest and Leaver Streets,
WELLESLEY HILLS, MASSACHUSETTS

Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

Catalogs Received

W. W. RAWSON & CO., Boston, Mass.—Special 1910 Price List for Market Gardeners. Illustrated.

JOHN PEED & SON, West Norwood, London, S. E., Eng.—Spring, 1910. Catalog of their Roupell Park Nurseries. Vegetable and Flower Seeds, Bulbs and Flower Roots.

MISS C. H. LIPPINCOTT, Hudson, Wis.—A neatly arranged List of Flower Seeds, together with a Special Selection of Plants and Vegetable Seeds. Prepared particularly for the women of the household. The covers are in colors.

T. R. WATSON, Plymouth, Mass.—Trade List, Old Colony Nursery, Spring, 1910. Comprising Deciduous Trees and Shrubs, Wild and Climbing Roses, Vines and Climbers, Evergreens, Herbaceous Perennials, Standard and Small Fruits.

W. W. RAWSON & CO., Boston, Mass.—Rawson's Florists' Book for 1910. Wholesale prices of Seeds and Bulbs for Spring Planting for 1910. Prepared especially for the florist trade and embracing several novelties offered for the first time.

W. E. MARSHALL & C., New York. Annual Spring Catalog, 1910. A full list of Vegetable and Flower Seeds, including Novelties in Flowers and Vegetables. The front cover is adorned with a representation of an Improved Branching Aster; the back cover shows a realistic looking variety of Wax Bean.

CALIFORNIA NURSERY CO., Niles, Cal.—Price List, 1909-1910.—This catalog represents the 25th edition, and the claim is made by this Company that their nurseries are the most complete on the Pacific Coast, with shipping facilities unexcelled both for domestic and foreign business. The catalog embraces, naturally, those stocks which are mostly called for in California and adjacent territory, and the listings are very complete.

J. ROSCOE FULLER & CO., Floral Park, N. Y.—Garden Annual, 1910. An illustrated catalog of Flower and Vegetable Seeds, Bulbs, Plants, Shrubs, Fruits, etc. Covers in colors, the front illustrating Fuller's Giant Flowering Pansies, the back, a reproduction of Large Flowering Sweet Peas. Several Vegetable Novelties are listed: Tomato, Early Long Island; Fuller's Giant Rhubarb; Fuller's New Pineapple Flavored Strawberry, etc.

TEXAS SEED AND FLORAL CO., Dallas, Texas.—Texas Brand Seeds and Supplies for 1910. Novelties and Specialties, Farm and Garden Seeds, Flower Seeds, and Bulbs are all given prominence with special reference to Southern conditions. Cotton Seed and general seed supplies for the Southern farmer and large grower have been particularly cared for. Tools and Implements, Fertilizers, Poultry Supplies, etc., are shown in large stock.

GERMAIN SEED AND PLANT CO., Los Angeles, Cal.—This is their 39th Annual Catalog and bears evidence of the large trade which has been worked up by this Pacific Coast house. Vegetables, Farm and Flower Seeds, adapted to the California and Western Coast States are listed, as are also Palm and other decorative plant seeds. In plants a full line is catalogued from Bedding to Nursery Stock, Fruits, Small and Standard and an inclusive stock of Garden Requisites, Tools and Implements, with a Poultry Department completes this summary of a very serviceable Planter's Guide. The covers are in colors.

WALTER P. STOKES, Philadelphia, Pa.—Stokes' Standard Seeds, 1910. This is a well printed and thoroughly illustrated catalog of some 80 pages and includes a choice selection of Flower and Vegetable Seeds and Farm Requisites, including Seed Corn, Seed Oats, Ensilage and Fodder Corns, Seed Barley, Spring Wheat, Fodder and Soiling Plants, Lawn Grass Seeds, Lawn Requisites, Spraying Devices, Poultry, Pigeon and Bee Supplies. Some eight pages are devoted to a listing of Stokes' Novelties and Specialties for 1910. Interesting oddities in the Vegetable line, occupy a full page, illustrated, and three pages are devoted to a classified and ready reference listing of Stokes' Standard Seeds.

H. G. HASTINGS & Co., Atlanta, Ga.—Spring 1910. The plantation, farm and horticultural interests of the South are well delineated in this representative Southern seed catalog. As is to be expected, Cotton seed is given a prominent position, Hastings & Co. paying particular attention to this feature. The interest taken in this staple is evidenced in the preparation of the front cover, which by means of a colored illustration skillfully depicts the habit of the cotton plant, showing three bolls ripe for picking. The back cover demonstrates the extent of another Southern industry: Watermelons—presenting a collection, also in colors, of four varieties, Alabama Sweet, Hastings' Tinker, Florida Favorite and Rattlesnake. This firm makes the claim that it is the first and only seed house in this country to establish a Department of Scientific Seed Breeding, which is in charge of Mr. D. S. Starr, a graduate of the State College of Agriculture of Georgia.

WEEBER & DON, New York.—Garden, Farm and Flower Seeds, 1910. This old and well established seed house presents its annual catalog in attractive shape, as usual; a new departure this year is a

AZALEAS IN BLOOM

AZALEA Indica, in bloom, for New Year, Mme. Petrich, Simon Mardner, Deutsche Perle, Vervaeneana, 75c., $1.00, $1.25.

Other varieties for Easter: Bernard Andrea alba and Niobe (double white); have only extra large plants of this variety, 16, 18, 20, 22 in., $1.00, $1.50, to $2.00 each. Mme. Van der Cruyssen, Simon Mardner, Vervaeneana, Deutsche Perle, Prof. Wolters, Helena Tellman, Apollo, Empress of India, Schreveriana and other well-known American varieties. Price, 50c., 75c., $1.00, $1.25, $1.50 to $2.00 each. We don't carry any cheap Azaleas, only first-class.

COCOS Weddeliana, 3-in., 12 to 15 in. high, 15c. to 18c.

ARECA lutescens, 5-in., 35c.

LATANIA Borbonica, 4-in., 20c.

NEPHROLEPIS Whitmani, N. Todeoides, 5-5½-6 in. pots, 35c., 40c. and 60c. each; 7-in., as big as a washtub, 75c. to $1.00 each. Two houses full. All pot grown.

KENTIA Forsteriana, 7-in. pots, single, 40-45-50 in. high, $2.00, $2.50 to $3.00; 6-in. pots, single, 25-30-35 in. high, $1.00, $1.25, $1.50 to $1.75.

KENTIA Belmoreana, 4-in., 25c.

PTERIS Victoriae, (Silver Fern). P. Wimsetti, 6-in. pans, 3 ferns in a pan, very attractive, 30c. per pan. P. Wilsoni, 3-in., 10c.; 6-in., 3 plants in a pan, 35c.

GODFREY ASCHMANN

1012 W. ONTARIO ST. PHILADELPHIA, PA.

Please mention the Exchange when writing.

A Few Good Things You Want

BEGONIA Rex, 2-in., $5.00 per 100.

ASPARAGUS plumosus, 2-in. $3.00 per 100; 3-in., $5.00 per 100. Cut sprays, 25c. per bunch.

ASPARAGUS Sprengeri, 2-in., $5.00 per 100.

GERANIUMS, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.60 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in., $3.00 per 100.

FERNS, Whitmani, 4-in., 25c. each. Boston, 4-in., 15c. each; 5-in., 25c. each.

CYCAS PALMS, 4 to 5 leaves, $1.00, $1.50 and $2.00.

VINCA Var., 2-in., $2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

Begonia Rex

2-in. $3.00 per 100.

DRACAENA Indivisa, 4-in., $10.00 per 100.

PRIMULA Obconica, 2-in., $1.75 per 100.

VINCA, 3-in., $4.00 per 100.

ENGLISH IVY, R. C., $1.00 per 100.

FERNS

Scottii, 2½-in., 5c.; 3-in., 10c.; 4-in., 15c.; 5-in., 20c.; 6-in., 35c.

Boston, 2-in., 4c.; 3-in., 5c.; 4-in., 15c.; 5-in., 20c.

Piersoni, 4-in., 15c.; 5-in., 20c.

J. H. DANN & SON

Westfield, N. Y.

Please mention the Exchange when writing.

DOMOTO BROS.

Wholesale Florists

Store, 2728 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.

Headquarters for

Japanese Plants and Bulbs, Choice Roses Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.

We respectfully solicit your patronage.

Please mention the Exchange when writing.

VIOLET CULTURE

Price, $1.50 Postpaid

A. T. De La Mare Ptg. & Pub. Co., New York.

cover in two colors which adds considerably to the attractiveness of the catalog. A plain, but effective lettering distinguishes the front cover, and on the back cover is a very pretty lawn scene, representing the value of the grade of Central Park Lawn Grass sold by this firm. Sixteen pages of the forefront of the catalog are devoted to Weeber & Don's Specialties in Vegetable and Flower Seeds, among the Vegetables being the Don Tomato for extra early forcing, Don's extra early Sweet Corn, W. & D.'s First and Best Cauliflower and "Seth Low" Muskmelon. In the Flower Novelties and Specialties Selection are the Giant Orchid Flowering Sweet Peas. Superb Varieties of Asters of Special Merit occupy a prominent position, considerable space also being given to the listings of Select Dahlias.

THE NEWBURYS, Mitchell, S. D.—The Mitchell Nurseries and Greenhouses.—From far off South Dakota comes to us a 4x8¾" booklet, bearing the above caption and containing 64 pp. of first-class information, much of it written expressly to meet the climatic conditions of that State. The firm is engaged in both greenhouse and nursery work and, for that reason, is enabled to offer practically every thing required by the planter or flower buyer, from a box of Pansies to a shade or fruit tree. This bright little catalog, to which we may have occasion to again refer, is one which interests us highly, not only as pointing the way to building up a remunerative business but as evidencing the fact that the members of the firm do not neglect the selling end, which is equally as important as the growing end. It is a model little work, gives customers just the amount of insight into the florist's business they should have—and no more. Hundreds of brother growers could issue catalogs built on similar lines to their great personal and financial benefit.

CHAS. H. TOTTY, Madison, N. J.—Chrysanthemums and other Plants for 1910. This is the first Chrysanthemum Catalog issued by Mr. Totty under the new arrangement with Mr. Wells of England, covering the dissemination of the Wells-Pockett varieties, whereby the American exhibitor can obtain his varieties at the same time as the European exhibitor, and thus save one year in time, in addition to the vexatious customs delivery which has been the cause of the loss of practically two-thirds of the varieties imported. The Special Wells-Pocket Set for 1910 embraces the following varieties: Mrs. David Syme, Mrs. W. A. Reed, Mrs. R. Luxford, Howard Gould, Miss Alice Finch, Rose Ellis, Miss Edith King, Kara Dow, W. Wood Mason, Alice Lemon. There is also listed the Wells-Pocket Set for 1909; additionally, Mr. Totty's and other growers' novelties for 1910, together with last year's novelties, as well as all the standard varieties. A selection of Early Flowering and Hardy Pompon Chrysanthemums is included, also a list of select Carnations, Roses, Pentstemons and Miscellaneous Plants.

J. BOLGIANO & SON, Baltimore, Md.—This house, having been founded in 1818, in their 1910 Catalog, now before us, presents an accumulated experience of a continuous business of 92 years. The present book bears a handsome front cover, showing the home of Washington at Mt. Vernon, and on a good looking lawn in front thereof is a representation of their I. X. L. Tomato in very natural color. The back cover is also in colors, representing a number of the specialties of the firm. The usual listings of Seeds are given, with very full descriptions, and the varieties covered are on the orthodox lines of a large seed trade catering to the farmer, the horticulturist and the amateur. Considerable space is given to horticultural requisites, and particular attention is paid to Tomatoes, of which several named sorts are fully described and illustrated, principal among them being My Maryland, which the originators claim as "King of them All," and of which they say that "side by side it has produced three times the crop given by the Stone or New Century; it has even doubled the yield of the Greater Baltimore Tomato," one of their most favorably known varieties.

CONARD & JONES CO., West Grove, Pa.—This well known firm is sending out a Catalog for 1910 fully in keeping with their reputation of carrying one of the largest and most complete Rose stocks in the country. In the present instance some 47 pages of closely printed and well illustrated matter is given over to that one subject. On pages 46 and 47 of the catalog will be found a complete index to the "Best Roses in America," which will be found very helpful to the planter. None the less celebrated are they for their Pedigree Cannas, many of these the hybridization of Antoine Wintzer, the vice-president of the Company, and several new varieties of which are listed for the first time. Additionally, the catalog embraces a full line of Hardy Ornamental Shrubs, Climbing Vines, Hardy Perennials, Peonies, Tender Climbing Porch and Parlor Plants, Chrysanthemums, Asters, etc. The front cover carries a representation in colors of the Rose, W. R. Smith, recommended as one of the best sorts for outdoor planting; the back cover conveys a representation in colors of the firm's 1910 "Reputation Set of Roses." On the second inside cover is a very handsome halftone of Frau Karl Druschki Rose, classed as the "White American Beauty," and on the third cover a plate of the new Canna originated by the firm, Rosea Gigantea, carrying a rich rose-pink flower of giant size and the plant a prodigious bloomer.

ARTHUR T. BODDINGTON, New York. Boddington's Garden Guide, Spring, 1910. This representation of one of New York's leading seed houses comes to the desk replete with good things. Sweet Peas are featured extensively, and much to be commended are the large, life-like illustrations of these flowers, to which no space has been denied. The first nine pages of the catalog carry a listing of the Novelties in Sweet Peas for 1910, in which is included a short history of the Sweet Pea and a few hints on their successful culture. Flower Seed Novelties and Specialties, introductions of 1908 and 1909, and for 1910, follow, after which comes the regular listing of Boddington's "Quality" Seeds. Considerable space is given to Novelties and Specialties in Vegetable Seeds, prominent among which are descriptions and notes on cultivation of Boddington's English Grown Peas, superbly illustrated; then follows a full list of Bulbs from cold storage plants generally. "Quality" Roses are given quite a department; Chrysanthemums and Carnations are then named and described, followed by a classified list of English Pot-Grown Vines, Peaches, Nectarines and other fruit trees, cultural directions for which have been written by Wm. Turner, entitled "Fruit Trees under Glass." We notice in the catalog that Mr. Boddington offers a challenge silver cup, valued at $50, for a collection of Sweet Peas, 25 varieties, to be competed for at the forthcoming 1910 exhibition of the National Sweet Pea Society of America. The front cover was designed and drawn by Harry A. Bunyard, and is an idealized representation of Dimorphotheca aurantiaca, the Orange Daisy, a novelty which seems to have "caught on" the 1910 catalogs with considerable tensity. Many of the illustrations in the Boddington catalog are of unusual value, and for many of these the publisher gives credit to Sutton & Sons, England.

Calendars, etc., Received

W. van KLEEF & SONS, Boskoop, Holland.—Telephone Card for 1910.

PINE CONE DESIGN CALENDAR for "Ye Yeare 1910." Name of sender unknown.

AMOS F. BALFOORT, Albany, N. Y.—A good-looking girl under a Magnolia tree, with the buds falling around her in profusion. An attractive calendar.

Nice stock of assorted ferns, 3-in., $6.00 per 100, $55.00 per 1000.

CIBOTIUM SCHIEDEI

King of Ferns; the most decorative plant in the world; strong grower, good keeper, fine seller.

4-in., $8.60 pen doz., $66.00 per 100.

5-in., 12.00 per doz., 90.00 per 100.

10 and 12-in. specimens in handsome oak-colored tubs, with solid brass handles (novelty). No show window complete without one. $6.00 and $7.00 each.

ASPARAGUS Plumosus Nanus. Excellent 2¼-in. stock, $3.00 per 100, $26.00 per 1000.

Largest commercial collection of Ferns in the country.

Ask for Descriptive Catalog.

J. F. ANDERSON, Short Hills, N. J.

Fern Specialist

Please mention the Exchange when writing.

Scholzeli Fern

The best payer and most prolific Fern to date, 2¼-in. $12.00 per 100

Per 100

Superbissima, 2¼-in. $12.00

Whitmani, 2¼-in. 5.00

Scottii, 2¼-in. 5.00

CHAS. H. CAMPBELL

3601 Germantown Avenue

PHILADELPHIA, PA.

Please mention the Exchange when writing.

CHRYSANTHEMUMS Stock Plants. Mrs. Kalb, Estelle, White Bonnaffon, Alice Byron, Angele Laurent, Desjouis, Glory of Pacific, Maude Dean, Pink Ivory, Rosette, Amoritz, Major Bonnaffon, Cremo, Halliday, Yellow Jones, Golden Glow, Baby, 60c. per doz.; $4.00 per 100. Golden Eagle and Baby Margaret, $1.50 per doz.; $10.00 per 100.

WILLIAM SWAYNE, P. O. Box 215 Kennett Square, Pa.

Please mention the Exchange when writing.

Vinca Variegata

2-in. pots, $3.00 per 100.

GERANIUMS

Nutt, Poltevine, Ricard, Barney, Viaud, Castellane, Jaulin, Montmort, Pasteur Perkins, Doyle, 2-in. pots, $18.00 per 1000. Buchner, 2-in. pots, $16.00 per 1000.

ROOTED CUTTINGS, Fuchsias, Salvias, Heliotropes, Lemon Verbenas, Double White Feverfew, Double Giant Sweet Alyssum, Vinca Variegata, Double Petunias, $1.00 per 100. Ageratum Gurney, 60c. per 100. Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

Vinca Variegata

3½-in. pots, fine—$4.00 per 100

PANSY PLANTS, ready October 10. $2.50 per 1000

GERANIUMS, S. A. Nutt and other varieties, 2½-in. pots, $2.50 per 100.

CASH

JOS. H. CUNNINGHAM, DELAWARE, O.

Please mention the Exchange when writing.

VINCA VARIEGATA

Extra strong, thrifty stock, ready to shift, 3-in., $3.50 per 100, $30.00 per 1000.

GERANIUMS, Mme. Salleroi, strong thrifty, 2-in., ready to shift, $20 per 1000.

FERNS, Boston and Scottii, extra fine, 6-in., equal to 6-in., 25c. Cash.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

Dracæna Indivisa

Large plants in 6-in. pots, $20.00 per 100.

GERANIUMS, S. A. Nutt, in 2½-in. pots, $2.00 per 100, $18.00 per 1000. Other varieties of Geraniums will be ready later on.

E. L. RILEY, Trenton, N. J.

R. F. D. No. 2.

Please mention the Exchange when writing.

FUCHSIAS

There are none better than Little Beauty, Lord Byron, Renan and White Beauty. Strong 2½-in. pots ready, $4.00 per 100. New Heliotrope, Miss Berenice, a sport of Mad. Bruant and a great improvement on the latter 2½-in. pots, $8.00 per 100. Katalog for the asking

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

CINERARIAS

Extra strong, 3-in., large flowering dwarf, mixed, $3.50 per 100.

PRIMULA OBCONICA: finest large flowering, mixed, strong, 3-in., $5.00 per 100.

JOHN F. RUPP, Shiremanstown, Pa.

RUPPTON: The Home of Primroses.

Please mention the Exchange when writing.

FERNS! FERNS!

A nice assortment and good bushy stock, and just now in fine shape. $3.00 per 100.

KENTIAS and COCOS Weddelliana for centers, 10c. each.

ASPARAGUS plumosus, $3.00 per 100.

Scottii FERNS, 4-in., $15.00 per 100.

KENTIA Belmoreana, 6-in., $1.00; 5-in., 75c. and 60c.; 4-in., 25c.

HENRY WESTON, Hempstead, N. Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Complete List of Balance of

CHRYSANTHEMUM STOCK PLANTS

Still given away at the low rates while they last. About 2000 Golden Glow, 3000 October Frost, 500 Pacific Supreme, 500 White Cloud, 2000 Clementine Touset, 2500 Alice Roosevelt, 600 Roslere, 300 Monrovia, 1000 Eaton, 3000 Enguehard, 500 Bailey, 300 Yanoma, 300 Nonia, 500 Black Hawk, 300 Cullingfordii, 500 Appleton, 400 White Bonnaffon, 300 Clay Frick, 200 Winter Cheer, 200 Minnie Wanamaker, 300 Golden Wedding, 100 White Dean, 400 Alice Byron. All above at $2.00 per 100, $15.00 per 1000. Above are all kinds we have left at this rate.

A few Lynnwood Hall at $3.00 per 100.

A few Virginia Poehlmann at $5.00 per 100.

I. M. Rayner, Greenport L. I., N. Y

Please mention the Exchange when writing.

6 CHRYSANTHEMUM 6

NOVELTIES FOR 1910

THE BIG SIX

Mrs. H. Stevens, Gladys Blackburn, W. Mease, Helty Wells, R.H. Felton, Wells' Late Pink; besides several others.

Large stock of indoor Grape Vines, 1 and 2 years old. Roses, Carnations, etc. Send for list.

SCOTT BROS

Elmsford Nurseries

ELMSFORD, N. Y.

6 6

Please mention the Exchange when writing.

CHRYSANTHEMUM STOCK PLANTS

The White Frick

First Class Certificate awarded by the National Chrysanthemum Society of America, 1908.

Plants, $3.00 per doz., $20.00 per 100.

Paul Fischer

Wood Ridge, Bergen County N. J.

Please mention the Exchange when writing.

Chrysanthemums

and

Aster Seed

All the leading kinds best suited to Florists' use.

Elmer D. Smith & Co.

Adrian, Mich.

Please mention the Exchange when writing.

Snow White Sport of Helen Frick

CHRYSANTHEMUM

Special certificate of merit at Maryland Horticultural Society last week.

Stock plants for immediate delivery.

Large plants, $3.00 per doz.

Small plants, 2.00 per doz.

CARNATION ALVINA, the only dark pink Carnation, $6.00 per 100; $46.00 per 1000.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

THE AMERICAN CARNATION

Price, $3.50

A. T. DE LA MARE PTG. & PUB. CO. LTD

—Carnation Dorothy Gordon—

This wonderful new Carnation—a seedling of Lawson on Enchantress—is a money-maker for the commercial grower. It possesses all the strong points without the weaknesses of the parent varieties. Its unusual size—averaging three inches in diameter—clear, rose-pink color, strong constitution and excellent keeping qualities, commend it to all enterprising growers—together with the fact that it has regularly produced double the profits of Enchantress.

The Success of the Year

Visitors at our establishment and propagators who have given it a trial, speak of Carnation Dorothy Gordon in terms of the highest praise.

Most Profitable of All Carnations

We offer strong rooted cuttings of this splendid Carnation at the popular price of $10.00 per 100; $75.00 per 1000. Orders are being booked daily and will be filled in strict rotation. Don't delay, but get in your specifications NOW. Come to Wyncote and see it growing—it's a great sight. If you cannot do that, write for full particulars.

JOSEPH HEACOCK CO. .·. Disseminators .·. WYNCOTE, PA.

Please mention the Exchange when writing.

NEW

CARNATIONS

The two prize winning introductions of the Cottage Gardens.

MRS. C. W. WARD

Mrs. C. W. Ward is a perfectly formed flower with full center; color deep pink several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower and has never shown disease of any kind.

AWARDS

Society of American Florists, Silver Medal, Boston, 1906; The Craig Cup for Best Seedling, Philadelphia, 1906; The Lawson Bronze Medal, Washington, 1908; The Horticultural Society of New York Silver Medal, Sweepstake prize for best 100 blooms, New York, 1909; The Horticultural Society of New York Diploma, for best new variety, New York, 1909.

PRICES FOR ROOTED CUTTINGS

$2.00 per 12, $12.00 per 100, $100.00 per 1000, $95.00 per 1000 in lots of 2500. 25 at the 100 rate, 250 at the 1000 rate.

ALMA WARD

This beautiful Carnation is pure white except during dark weather when it shows delicate splashings of pink similar to the Cattleya Orchid, increasing its popularity.

Alma Ward is the largest and most fragrant Carnation ever grown, producing perfect flowers 3½ to 4½ inches in diameter on strong, erect stems 36 to 42 inches in length.

AWARDS

The Lawson Silver Medal, Toronto, 1907, (No Gold Medal having been awarded); The Lawson Gold Medal, Washington, 1908; The Society of American Florists' Silver Medal, Washington, 1908.

PRICES OF ROOTED CUTTINGS

$3.00 per 12, $5.00 per 25, $9.00 per 50, $15.00 per 100, $35.00 per 250, $65.00 per 500, $120.00 per 1000.

Delivery February 1st. January Cuttings all sold.

These varieties bring from $2.00 to $4.00 per 100 more than any other Carnation sold in the New York market.

COTTAGE GARDENS CO., Inc.
QUEENS, LONG ISLAND, N. Y.

Please mention the Exchange when writing.

Announcement

By arrangement with Messrs. Patten & Co., all future orders for **Shasta** will be filled and shipped from Indianapolis. To save time in getting your order booked you should send your order direct to us. And by the way, if you want your cuttings early in February you should send in your order at once.

Shasta has averaged us 8½ blooms per plant by Jan. 1st. Come and see it growing and be convinced that it is the greatest money making white Carnation today. We invite the closest inspection. $12.00 per 100, $100.00 per 1000.

SEND FOR OUR LIST OF PRICES ON
NEW AND STANDARD VARIETIES

PATTEN & COMPANY
TEWKSBURY, MASS.

BAUR & SMITH
INDIANAPOLIS, IND.

Please mention the Exchange when writing.

JUANITA

A Good Scarlet Carnation

Calyx never bursting—color bright—stem very strong—a steady blomer—and a large flower.

Come and see it as often as you like.

Rooted Cuttings, $10.00 per 100; $80.00 per 1000; $300.00 per 5000.

THE FILLOW FLOWER CO., FLORISTS, Westport, Conn.

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, $12.00 per 100, $100.00 per 1000.
Alma Ward, $15.00 per 100, $125.00 per 1000.
Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett, $6.00 per 100, $50.00 per 1000.
White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink, Enchantress and Harlowarden, $3.50 per 100, $30.00 per 1000.
New crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons, at 25c. and $1.00 per package.

CHAS. H. TOTTY
MADISON, N. J.

Please mention the Exchange when writing.

A new Carnation Seedling of wonderful merit will be offered to the Florists' Trade in February, 1910. Orders booked now. This Carnation,

"The Constant"

Grown by Wm. Bester, of Hagerstown, Md. Color between Rose-pink and Winsor. Produces long stems and large blooms from October to June. Free of any disease and no cropper. Calyx perfect. Blooms keep in good condition ten days. This Carnation grown and tested by Mr. Bester for three years and all points guaranteed. The original seedling produced under the most scientific cultural conditions, and will supersede the Lawson. Price for Strong Cuttings, only $10.00 per 100, $90.00 per 1000.

C. S. FORD, Box 4515, WEST PARK PHILADELPHIA, PA.

Established 1881. Florists' Supplies, Novelties, etc.

Tioga branch conducted by A. M. FORD, Tioga, Philadelphia, Pa. Also representing A. HERMANN, Florists' Supplies and Metal Designs, 404-412 East 34th st., New York, and others.

Please mention the Exchange when writing.

CARNATION CUTTINGS

	100	1000
Beacon, Enchantress, White Enchantress, White Perfection, Winsor	$2.50	$20.00
Winona, Lawson, Enchantress	3.00	25.00
Georgia	5.00	40.00
Pink Delight	6.00	50.00

WHITE BROTHERS,
GASPORT, N. Y.

Please mention the Exchange when writing.

LUCILLE

The new Carnation, that will bring you more dollars and cents than any other Carnation. Try it. $12.00 per 100; $100.00 per 1000.

Write for circular.

A. F. LONGREN, Des Plaines, Ill.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Carnations

Field grown, stored in cold house. Mrs. Patten, Variegated Lawson, Enchantress, Rose Pink Enchantress, Winsor, Beacon, Pink Imperial and Lady Bountiful, $5.00 per 100. Cash with order.

S. G. BENJAMIN, Fishkill, N. Y.

Please mention the Exchange when writing.

Columbus, O.

Local florists are much elated over their holiday trade, its volume being larger than that of any previous year. While there was plenty of stock of most kinds to go around, the prices obtained were very satisfactory.

American Beauty Roses were, of course, the star attraction, and were sold as high as $16 per dozen, other Roses having a large sale at $1 to $6. Poinsettias also sold freely at $3 to $6 per doz., and Violets went off lively at $3 per 100. Carnations were in large supply and fine quality and held up well at $1 to $1.50 per doz. Lily of the Valley brought $1 per dozen, and bulb stock about the same. For Azaleas $2 to $3 was charged; Gloire de Lorraine Begonias brought $1 and $1.50, and Cyclamens $1.25 each.

One novelty was a lot of Chrysanthemums, carried over by one of the greenhouses, and which came in good play at $3 per doz. A better plant trade than usual is reported. C. D. B.

Kalamazoo

A closer examination of the holiday trade shows that while there was undoubtedly an increase in the volume of business done, the percentage was about in accordance with the expansion of glass area and population in this vicinity. While this is to a certain extent encouraging it would be more welcome to be able to note an increase of the amount spent among the customers and a still larger proportion of new ones. Prices also seemed to have reached about the limit our townspeople care to pay for cut flowers, although comparatively little kicking was done.

Plant trade averaged very good all around, while perhaps the trade in greens was a little smaller than usual. I am also told that Holly obtained from a local fruit commission house excelled the product of the regular florist supply houses.

Business during the present week continues brisk; quite a lot of small entertainments were given and, in addition, the annual Charity Ball also called for goodly amounts of flowers.

Business conditions at the present time seem most favorable for a continuation of good business; a better climatic condition also prevails which promises an increase of the cut of Roses and Carnations. The weather throughout December was probably the roughest and coldest we have had in nearly 20 years, but the New Year starts out very much better.

H. A. Fisher is again back at work after a sharp spell of sickness. S. B.

Darby, Pa.

The Darby Flower Shop reports excellent trade during the short time it has been opened. Christmas trade was brisk, large quantities of green goods were disposed of and great difficulty in getting sufficient supplies was the only drawback to a really fine finish. Funeral work is coming along nicely. Another house will be finished in short time in which they will grow Spring stock. P. M. R.

St. Louis

The Florists' Club meeting, next Thursday, Jan. 13, will be an important one for its members; it will be the first meeting in the new year. President Windler and the trustees will spare no efforts to make this one of the largest meetings of the year, and Frank Fillmore says he will be ready with his paper "The Troubles of a Grower." An interesting meeting is looked for.

Mr. and Mrs. H. G. Berning are surely having sorrowful times during the holidays. Only a week ago Mrs. Berning's mother died, and the funeral took place a day after Christmas, as reported in the last issue of the EXCHANGE. A few days before the new year came in Mrs. Berning's father died, aged 63, after a long illness. He leaves two daughters, Mrs. Berning and Emma Bruening, and a son, Otto Bruening, who are employed in Mr. Berning's wholesale establishment. The funeral took place Dec. 31 from the residence of H. G. Berning, his son-in-law. The entire trade extended their sympathy to the bereaved children.

Some of the local florists, who had their first Christmas business to report, say they did well. Otto Sanders, of the downtown district, says his was far beyond his expectations.

Christmas was not so good for the cemetery florists, the weather being too bad, but on New Year's Day they made up for lost time and quite a business is reported from that district.

It has been reported that Wm. Bonche, reputed an expert landscape gardener, will soon visit New York with plans to lay out a big estate there. Mr. Bonche thinks that the East has bigger fields for his kind of work. ST. PATRICK.

Landscape Gardening

A New Course at the Pennsylvania State College

Those who are interested will be glad to learn that the School of Agriculture of the Penn. State College has recently adopted a four-year course in Landscape Gardening. The outline of the course indicates that it is characterized by the same care in the consideration of the relative propositions of theoretical and practical treatment of each subject as is common throughout the courses offered by this institution. During the first year and a half, the studies are confined to the general scientific subjects common to all courses. At the middle of the second year, however, specialization begins and is continued throughout the remaining two and a half years. This takes the form of six one-semester subjects in architectural, mechanical and freehand drawing; four one-semester subjects in engineering; four in horticulture; four in landscape gardening; one in forestry. Drawing is given partly in the School of Engineering, and partly by the Department of Industrial Art. The subjects in horticulture, landscape gardening and forestry, are given in the School of Agriculture, and surveying and general engineering are given by the School of Engineering.

This course, as it is stated, is designed to "offer an opportunity for preparation to those who desire to adopt ornamental gardening as a profession." It is to be offered for the first time in the Fall of 1910. Any inquiries addressed to the School of Agriculture, State College, Pa., will receive prompt attention.

Notes

SARATOGA SPRINGS, N. Y.—Christian Dehn reports Xmas business as having been very good and results satisfactory.

WEST CHESTER, PA.—A greenhouse of Charles Swayne collapsed under a heavy weight of snow on December 26. It was planted to Sweet Peas and a crop was just coming on.

WOONSOCKET, R. I.—Thomas H. Greene has purchased the Summit greenhouse from Jonas Brooke, and will continue the business. Mr. Greene was formerly proprietor of the Greene Flower Store.

SANGAMO

Brilliant glistening pink, brighter than Winsor or Winona

WINNER AT CHICAGO, ST. LOUIS AND MILWAUKEE FLOWER SHOWS

Perfectly formed flowers on long, stiff stems; calyx does not split. The most PROLIFIC Carnation grown to-day. Everybody pronounces it the best "bread-and-butter" Carnation they have ever seen growing.

Rooted Cuttings, ready Jan. 1st., $12.00 per 100, $100.00 per 1000.

CHICAGO CARNATION CO. JOLIET, ILL. A. C. BROWN SPRINGFIELD, ILL.

Please mention the Exchange when writing

MARY TOLMAN

Winner of First Prize at Milwaukee. Deep flesh pink, the most beautiful color of any in this class. Does not fade in the strongest light. An excellent, clean, upright grower, long, stiff stems and perfectly formed flowers. Will produce more perfect blooms in a season than Enchantress. We want your order for this excellent Carnation. Orders booked now for January, 1910, delivery

$12.00 per 100, $100.00 per 1000.

A. E. HUNT & CO., EVANSTON, ILL. CHICAGO CARNATION CO., JOLIET, ILL. HUNT BROS., PARK RIDGE, ILL.

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CONQUEST

Light pink overlaid with deep rose. The most valuable and fancy Carnation on the market.

WINNER OF FIRST PRIZE WHEREVER SHOWN

Habit of Lawson; very free; stem long as Enchantress, and stiff; the flowers are large and well formed, making a good impression wherever shown, and can be used to good advantage in many different ways.

CHICAGO CARNATION CO.
A. T. PYFER, Mgr. JOLIET, ILL.

Please mention the Exchange when writing.

ROOTED CUTTINGS

	Per 100	1000
Perfection	$2.25	$20.00
Georgia	5.00	
Enchantress	2.00	15.00
Pink Delight	5.00	
Rose Enchantress	2.00	15.00
Winona	3.00	25.00
Afterglow	3.00	25.00
Winsor	2.00	15.00
Mrs. Patten	2.00	15.00
Harry Fenn	2.00	15.00
Beacon	2.50	20.00

QUIDNICK GREENHOUSES
J. H. Cushing, Prop., Quidnick, Anthony P. O. R. I.

Please mention the Exchange when writing.

WE ARE NOW BOOKING ORDERS FOR

ADMIRATION

One of the most promising Carnations we have seen.

Advance orders indicate that the sale of this variety will be heavy and also prove that level-headed Carnation growers realize the real worth of Admiration.

This is a strong-growing variety, with excellent stem, calyx and form of bloom. The color is the point above all most noticeable, and description of this cannot do it justice. It is a clear, lively, light pink which holds well and is always even, through the bright days as well as the dull. Flower is large and is an excellent keeper and shipper.

Place your order now and get early delivery. Our stock is healthy throughout. $12.00 per hundred. $100.00 per thousand.

THE CHAS. KNOPF FLORAL CO. RICHMOND, IND. S. J. REUTER & SON, Inc. WESTERLY, R. I.

Please mention the Exchange when writing.

Carnations

ROOTED CUTTINGS

You will find my stock full value for money expended, and I want a trial order, no matter how small. Prices given on request. State how many you will want of each variety and when they are to be delivered. It will pay you to write.

White Perfection, White Rose, Pink and Lawson Enchantress, Winona, Winsor, Lawson, Afterglow, Alvina, Beacon, O. P. Bassett and Harry Fenn.

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

Strong, Healthy, Well Rooted Cuttings, Now Ready

	100	1000		100	1000
GEORGIA, best white	$6.00	$50.00	WHITE ENCHANTRESS	$3.00	$25.00
HARVARD, crimson	4.00	35.00	WINSOR	2.50	20.00
FAUST, Christmas scarlet	3.00	25.00	BEACON	3.00	25.00
ENCHANTRESS	2.50	20.00	VICTORY	2.50	20.00
ROSE PINK ENCHANTRESS	2.50	20.00	BAY STATE	6.00	50.00
			VICTORIA (extra good)	4.00	35.00

Remember, we guarantee satisfaction.

Address all orders to

JAMES D. COCKCROFT, NORTHPORT, L. I., N. Y.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

A. L. YOUNG & CO., 54 West 28th Street Telephone, 3559 Mad. Sq. **and Manhattan Flower Market,** 46 West 28th Street, NEW YORK Telephone, 1016 Madison Square

WHOLESALE FLORISTS Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial

Please mention the Exchange when writing.

NEW YORK.—While the cut flower market after the Christmas and New Year holidays is usually dull, it is particularly so this week. The severe cold of Tuesday and dark dull weather of Wednesday had considerable effect on the demand, although it did not seem to affect the supply. As a result there was a congestion of stock and on Wednesday night ice boxes were filled to the uttermost capacity and enough stock was on hand to supply the ordinary needs of the market for a day or two.

Roses are in very heavy supply. Killarney is more abundant than any other variety, due, presumably, to several of the larger growers being on crop. Prices in consequence have receded considerably. American Beauty is plentiful. In the pink varieties Bridesmaid is perhaps the shortest in supply, which strengthens it somewhat in values. Richmond holds its own fairly well. The quoted prices of all Roses represent Wednesday morning's values, but before night, and early on Thursday, efforts to effect a clean up made bargain transactions general on anything but the best grades.

Carnations have accumulated until the very best grades on Thursday morning could be had in quantity as low as $3 per 100, and in job lots even lower. With the stocks available the commission men were not inclined to reject any reasonable offers.

Bulbous stock is now coming in freely, single Daffodils being very prominent and selling at $3 downward. A few Tulips are arriving but do not excite much interest, stems being quite short; $3 per 100 is about the top price.

Lilies hold their own fairly well, the best moving freely at $15 per 100 flowers. Lily of the Valley is plentiful but drag in movement at $2 to $4 per 100. Callas are not over plentiful and meet a good demand at $1.50 to $2 per dozen.

Orchids are in supply much greater than the demand, and sales are not as brisk as a week ago. Prices, however, have not changed materially, and the cut is shortening up, a condition which should soon strengthen values again.

Violets are down to 75c. per 100 for the best, with a prospect of a still lower figure before the end of the week. The demand for them is not great, and quantities are held over each day. Sweet Peas have declined a little and any but the best flowers drag considerably.

Stevia is in good demand and the market is not as well supplied as it might be. Green stock is not overabundant and sells well, particularly Asparagus.

PHILADELPHIA.—The cut flower market has again reached its normal state, and since the holidays warm weather has prevailed and all lines have become very plentiful. American Beauty Roses have taken a decided drop, and 50c. for top grades is the rule. Other grades suffer accordingly, many of which are offered on the street at 25c. each by the fakirs. Tea Roses of all kinds are of exceptional quality, and realize fairly good figures. Richmond, My Maryland, and the two Killarneys are in the lead, with a range of prices from $4 to $12 according to grade. Bride and Bridesmaid are very plentiful and top grades realize $10. White Roses are in heavy supply, and in but little demand.

Carnations in all varieties are plentiful, Enchantress and Winsor being prime favorites, and bringing good values for first-class flowers. The range of prices for standard grades is from $2.50 to $5 per 100, a few novelties reaching $6 to $8. Quite a few left over flowers are reaching the street men, who peddle them at 25c., per doz.; the warm weather, of course, permitting these sales.

Lilies are not quite so plentiful, and there has been a good demand for them for funeral work, although prices have not been very high, but a general clean-up at $12.50 per 100 has been the rule.

Lily of the Valley has seldom been seen in such large quantities as at the present time, and good grades are hard to move at $3. There has been but little actual call for it, and delayed shipments arriving simultaneously created somewhat of a glut. Some clean-up sales were made at $15 per 1000.

Orchids move slowly, and seldom go above the 50c. mark. Plenty of all varieties are on hand, with but little call for them. Gardenias apparently drag, so many are being received. Good grade flowers average 35c. each, other grades anywhere from 5c. up.

Daffodils are arriving more steadily and meet with some popularity; they sell for $3 to $5 per 100. Prices of Narcissus fluctuate from $1 to $3 about every day; the demand for them is spasmodic, and heavy shipments are constantly coming in, leaving but a small chance for a general clean-up. Good grades of Adiantum reach $1.50 per 100, while Asparagus of all kinds is very plentiful and hard to move. Efforts are put forth to maintain a respectable price on this article but they are of no avail.

Violets clean up well at $1 to $1.25 per 100 and several frozen shipments helped considerably to clean out the good flowers. Sweet Peas are in good demand; white and pink are most plentiful, but lavender shades bring higher prices. White Lilac is seen more frequently and at $1 per doz. flowers finds ready sale. Mignonette, Daisies and Stevia are still popular, and meet with a good demand.

BOSTON.—There have been few changes during the week in the flower business; prices have kept fairly steady and the quality of flowers has been good.

Roses are selling very well; of course, prices are lower than a week ago, but good prices are realized for the better grades. Carnations sell well, especially colored varieties.

Violets, although plentiful, are very much in demand. Sweet Peas are in fair call.

In Orchids, Cattleyas are more in demand than any of the others; in fact, Cypripediums have been draggy part of the week.

Lilies are more plentiful than they have been. Lily of the Valley remains steady.

Bulbous stock is more plentiful, although the best grades sell well.

There is a good demand for greenery of all kinds. H. U. B.

ST. LOUIS.—New Year's trade was nothing rushing; still, a good bit of business was reported. The day was a big contrast as against Christmas; it was more like a July day. Unlike Christmas, when the zero weather which kept the people off the streets, this day brought them out, and that made trade worthy, especially in the fashionable district, where dealers say that New Year's business in cut flowers is looking up again and will, in a few years, be back to the time when this day was classed among one of the best during the year.

There was plenty of stock at all the commission houses, with prices nearly 50 per cent. lower than at Christmas, for same quality of stock.

The general run of stock seen is of good quality. American Beauty Roses are down to $6 per doz.; for other Roses, such as white and pink Killarney, Richmond and Bride, the top prices for extra select is $8 per 100 and down as low as $4. Carnations sell well at $4 to $6 for extra fancy stock; other grades are down to $1 to $3 per 100. Violets were not plentiful and sold for $2 per 100, extra fancy; Californias and doubles are same in price.

All bulb stock consignments are quite heavy, at cheap prices. Harrisii Lilies and Callas are scarce; so are Freesias. The demand for Lily of the Valley is good. As quite a few fashionable weddings and receptions are reported for this week these should work off considerable high grade stock.

ST. PATRICK.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager Consignments Solicited

39 West 28th Street, Telephone 6237 Madison Square NEW YORK

Please mention the Exchange when writing.

CHICAGO.—Again the week has opened with snowstorm after snowstorm and at this writing a genuine blizzard is raging and the outlook is for continued storms. Owing to these conditions stock is shortening up to such an extent that there is no more than meets the demand. A shortage of white flowers has tended to boost the price of white Roses, and Bride has advanced in price over other sorts. At New Year's everything was cleaned up in good shape, and prices averaged those of a year ago in nearly all lines. Business at present is in a normal condition. American Beauty Roses can be bought at $4 and $5 per dozen for the best with other grades accordingly. The greatest demand is for medium and short stemmed grades of which there is a scarcity. Killarney, Bridesmaid, Richmond and all Roses of the season are coming in in good form, if not so plentiful as last week.

Carnations are in excellent shape, and the fancy grades are commanding $4 and $5 with poorer quality obtainable as low as $2 per 100; white sorts move off rapidly.

Lilies are more plentiful and prices have dropped perceptibly. Flowers are selling today at $1 to $1.50 per doz. Callas can also be had in greater quantities at about $1.50 per doz. Lily of the Valley is decidedly scarce and all good sprays readily command $5 per 100, poorer grades $4.

Paper White Narcissus is coming in better and in larger quantities; the best is easily disposed of at $3 per 100 and down. Violets are not meeting with their usual demand, although they are fine in quality. Sweet Peas are coming in more plentifully and are disposed of without any trouble. A few Tulips are to be seen around the market, with Daisies, Candytuft, Pansies and Mignonette, but the prices are not quotable. Green stock has come to the front again and is much more sought after especially Smilax.

Cincinnati

The holiday business just passed was the greatest ever experienced in the history of Cincinnati. Very little stock was subjected to the pickling process, the quality of goods was certainly fine, and no complaints offered. Long stemmed American Beauty, for the first time in the history of this city, was a little hard to move at $12 per doz., but several hundred nevertheless were sold at this price. Other Roses sold at sight, and while we were a little short on some things, never were we unable to fill our orders so completely at this season.

New Year's trade has been very good, the market cleaned up here at almost Christmas prices, with the exception of American Beauty, which dropped to $6 and $8 and, at the present writing the long stemmed sorts are moving a little slow at $5 and $6. All Tea Roses clean up daily. A great many more of Richmond could have been used if obtainable.

The holiday season as a whole has never been equalled for good business.

We regret to announce the death of Mrs. Chas. J. Jones, Sr., mother of Chas. J. Jones, Jr., which occurred at her residence in Newport, Ky., on Jan. 3. The date of the funeral has not yet been announced but, owing to the high esteem in which this lady was held, she being the wife of one of the well-known citizens of this town, and her sons florists, and their father a florist before them, the floral tributes will undoubtedly be many and of quality. Mr. Jones and his brothers and sisters have the sympathy of the craft here in this their hour of bereavement.

Monday evening, Jan. 3, a party of about 17 florists gathered at Welert's, "Over the Rhine," where a pleasant evening was spent bowling. Lunch was also enjoyed, which should be credited to Henry Balsey, of Detroit, Mich.

E. G. GILLETT.

New York

Retail stores, generally, are cleaning up after a very satisfactory holiday business. Almost without exception, the florists report an excellent Christmas and New Year's trade, many finding that business for the second holiday was as good as that for the first. An enormous quantity of plants was disposed of and the plantsmen were sold out completely, consequently there is little available this week but staples such as Ferns, Pandanus, Palms and similar stock.

The greenhouses of Oscar Boehler, at Summit ave. and Du Bois st., West Hoboken, N. J., were damaged by fire, on December 30, to the extent of over $2000. The fire was caused through an overheated boiler and had a good start before it was discovered by the night watchman.

Henry F. Reidel, a gardener formerly employed by Commodore E. C. Benedict, and well known in the seed trade here, was killed by a trolley car in Greenwich, Conn., a few days ago. Mr. Reidel, who was 65 years old, had been deaf for several years and did not hear the car or the motorman's warning.

George Hildenbrand, who was for many years employed in the store of John Young at 51 West 28th st., has gone into the retail business on his own account. He has opened a store at 3423 Broadway, between 139th and 140th sts. George's long services with Mr. Young were terminated when the latter went out of the wholesale business last month. He understands thoroughly both the wholesale and retail ends of the business, and is quite skillful as a decorator and in made-up work. He has our best wishes for success.

The Wilson-Hoyt Co. of 1 Madison ave. is hard at work interesting the trade in its cement-steel benches for greenhouses. The type of bench is a most excellent one, the construction uniform throughout, with sides in perfect alignment, not wavy as is the case with most benches. The company is now furnishing the necessary "forms," and florists may, when desired, build their own benches.

John Young had an excellent crop of American Beauty Roses in the market at Christmas and Traendly & Schenck realized good prices for them. Mr. Young has opened an office in the Child's building on West 34th st., near Broadway, and is to be found there daily. On the door, in addition to Mr. Young's own name is the legend "Office of the New York Florists' Club.

Charles Weber of Lynbrook, L. I., expects to take his new pink Carnation to the convention of the American Carnation Society to be held in Pittsburg, January 26 and 27.

S. A. F. President F. R. Pierson commenced his presidential duties January 1. He has appointed A. L. Miller vice-president for East New York, Joseph A. Manda vice-president for New Jersey, and Wallace R. Pierson vice-president for Connecticut.

This is a great month at the Traendly home in Brooklyn. The majority of the family indulge in birthdays this month,

I can handle, to best advantage, consignments of Cut Flowers of every variety

J. K. ALLEN, Wholesale Commission Dealer in **CUT FLOWERS**

106 West 28th St., NEW YORK

ESTABLISHED 1887. OPEN AT 6 A. M. EVERY DAY. Telephone, 167 Madison Square. Consignments Solicited.

Please mention the Exchange when writing.

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130 Livingston St., BROOKLYN, N. Y.
Telephones: 1293-1294 Main
Consignments solicited. Out-of-town orders carefully attended to. Give us a trial.

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Sixth Avenue and 26th Street
COOGAN BUILDING, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent.
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Wholesale Commission Dealers in Cut Flowers and Supplies
162 LIVINGSTON STREET, BROOKLYN, N. Y.
GEORGE W. CRAWBUCK, Manager

GROWERS, ATTENTION!
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GUNTHER BROTHERS
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Violets, Roses, Carnations, Orchids
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Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
55 West 28th Street, NEW YORK
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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
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51 West 28th St. Wholesale Commission Florists NEW YORK
Phones: 325, 5582 and 5583 Madison Square
PRIZE SWEET PEAS AND EVERYTHING ELSE now and for the Holidays—at our new store.

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
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PHONES, 1664--1665 MADISON SQUARE
ENOUGH SAID

PHILIP F. KESSLER 55 & 57 W. 26th St., New York City
Commission Dealer, Wholesale Buyer and seller of
CUT FLOWERS
Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
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Finest Lilies in the Market Every Day in the Year.

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WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, January 5th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	30.00 to 50.00
" extra	15.00 to 25.00
" No. 1	8.00 to 15.00
" No. 2	3.00 to 8.00
" No. 3	.... to 1.00
Killarney	2.00 to 10.00
White Killarney	2.00 to 10.00
My Maryland	3.00 to 12.00
Richmond	3.00 to 15.00
Mme. Abel Chatenay	4.00 to 12.00
Golden Gate	4.00 to 10.00
Bride, Maid, fancy—spec.	8.00 to 10.00
" extra	5.00 to 8.00
" No. 1	3.00 to 5.00
" No. 2	2.00 to 3.00
Adiantum	.50 to 1.00
Croweanum	.... to 1.25
Antirrhinum (per bunch)	.50 to 1.50
Asparagus, cut strings	25.00 to 50.00
Plumosus, bunches	15.00 to 30.00
Sprengeri, bunches	15.00 to 30.00
Bouvardia	2.00 to 3.00
Callas	10.00 to 15.00
Daffodils	2.00 to 3.00
Daisies	.... to ....
Ferns, hardy	.25 to .50
Galax, green and bronze	.50 to .75
	.... to ....
	.... to ....
	.... to ....

CARNATIONS—		
Inferior grades, all colors		.... to 1.50
Standard Varieties	White	2.00 to 3.00
	Pinks	2.00 to 3.00
	Red	2.00 to 3.00
	Yel. & Var.	2.00 to 3.00
Fancy (The highest grades of Sta'd varieties)	White	3.00 to 4.00
	Pinks	3.00 to 4.00
	Red	3.00 to 5.00
	Yel. & Var.	3.00 to 4.00
Novelties		3.00 to 6.00
Gardenias, per doz.		1.50 to 4.00
Lilac		.... to ....
Lilies, Harrisii and Longi.		8.00 to 15.00
Lily of the Valley		2.00 to 4.00
Mignonette, per doz.		.50 to 1.00
Narcissus		1.00 to 2.00
Orchids, Cattleyas		40.00 to 50.00
Cypripediums		10.00 to 15.00
Dendrobium Formosum		25.00 to 40.00
Pansies, per doz. bunches		.... to .75
Poinsettias per doz.		1.00 to 4.00
Roman Hyacinths		1.00 to 2.00
Smilax (per doz. strings)		1.00 to 1.50
Stevia, per bunch		.15 to .25
Sweet Peas, per doz. bun.		1.00 to 1.50
Tulips		.... to ....
Violets, single		.40 to .50
" double		.50 to .75
		.... to ....

WALTER F. SHERIDAN
Wholesale Florist
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ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
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Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
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TRAENDLY & SCHENCK
Wholesale Florists
44 West 28th Street, New York and Cut Flower Exchange
TELEPHONES: 798 AND 799 MADISON SQUARE
CONSIGNMENTS SOLICITED

so Frank is again confronted with the question "What shall I buy."

J. K. Allen was unprepared for the cold wave which came on Monday night, and lost several fine Azalea plants.

Phil F. Kessler's store is now practically headquarters for Callas, he receiving daily shipments of excellent stock.

Billy Sampson, once one of the 28th st. boys, came in from his farm to lend a helping hand at the N. Y. Cut Flower Co.'s place during the holidays.

The Greek-American Florists' Association will hold its third annual ball at Terrace Garden, 58th st. near Lexington ave., on Monday, January 17. The committee of arrangements comprises M. Rovatzas, D. Pappas, D. Carlaftes, Geo. Commatas, J. Chiotes and Th. Malandrenis.

John F. Sharkey, 36 E. 28th st., reports Christmas trade as being excellent, considering that his store was only seven weeks opened. The best sellers were potted plants and plant combinations and baskets. Mr. Sharkey was for seventeen years with Thomas Young, Jr., as manager. The new store has an excellent window and is tastefully decorated with holiday offerings. The location is a good one, in that it is near to the wholesale flower district, and is excellent for transient trade. Herman R. Scommodau is connected with Mr. Sharkey.

Florists' Club Meeting

The New York Florists' Club will hold its January meeting on Monday evening next, the 10th instant. The principal business of the meeting will be the installation of officers for the year. The treasurer will present his annual report, and a report will also be presented by the committee on entertainment for the convention of the American Rose Society next March. A very interesting paragraph appearing in Secretary Young's notice of the meeting is the following: "President-elect Miller has instructed me to say that on this evening he will tender the members a 'blow-out,' and is making every preparation to see that everyone will have an enjoyable time after the business of the meeting is dispensed with. Don't miss it! You know Mr. Miller does not do things in a 'half-way' manner."

The Fleischman Bankruptcy Case

Charles L. Greenhall, as trustee in bankruptcy of Joseph Fleischman, former president of the Fleischman Baths and Fleischman Floral Company, has brought an equity suit in the United States District Court against the Carnegie Trust Company and others to compel them to account for and refund all money or property to Mr. Fleischman received by them. It was alleged that the Carnegie Trust Company received the equity in the Hotel Le Marquis, 12 East Thirty-first st., valued at $150,000, rents aggregating $30,000 annually, and obtained payment in full of its debt of $64,250, to the detriment of other creditors. A petition in bankruptcy was filed against Mr. Fleischman on Nov. 30, 1908. In March, 1908, he conveyed the Hotel Le Marquis, valued at $525,000, and mortgaged for $404,000, to the National Center Realty Company, which he had caused to be incorporated with a capital stock of $60,000, but he managed and controlled the company and the hotel as his own personal property. When the petition in bankruptcy was filed against him he owed the Carnegie Trust Company $64,250, and when on March 22, 1909, the Center Realty Company transferred the hotel to John B. Moorehead, the Carnegie Trust Company's claim, which then amounted to $65,672, was included. Mr. Greenhall wants Charles C. Dickinson, president of the Carnegie Trust Company, to account for $1,215, and John B. Stanchfield $17,802, or as much thereof as has been received by them.

Society's Favorites

GARDENIAS, Cattleyas, Beauties and Valley, are to be had at the P/M Establishment, the house that can take care of any order for anything, in any quantity, at any time of the year; no order too big or too difficult for us to fill. A personal visit will convince you that there is no house in the U. S. that can care for you as we can.

GARDENIAS

	Special	Fancy	1st
Per doz.	$5.00	$4.00	$3.00

BEAUTIES

	Special	Faocy	Extra
Per doz	$6.00	$5.00	$4.00
	1st	2nd	3rd
Per doz.	$3.00	$2.50	$1.50

CATTLEYAS

Per doz. $10.00, per 100 $75.00.

VALLEY

	Special	Extra	1st
Per 100	$5.00	$4.00	$3.00

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of PHILADELPHIA and WASHINGTON

1608 to 1620 Ludlow St., Philadelphia, Pa. — 1212 New York Ave., Washington, D. C.

Stores close at 6 P. M.

QUALITY

Please mention the Exchange when writing.

BEAUTIES

A large supply in all grades—You will find our prices right—Quality the best coming to Philadelphia.

KILLARNEY
Pink and White

Our growers will cut very heavy during January. Quality never better.

RICHMOND

We always have been strong on Red Roses. The better grades exceptionally well grown stock. Values good in all sizes.

CARNATIONS

The kind that will give satisfaction—All the best varieties.

THE LEO NIESSEN CO.,
Wholesale Florists
1209 Arch Street
PHILADELPHIA

Open from 7 A.M. to 8 P.M.

Please mention the Exchange when writing.

preparations are now in full swing for a good Easter business.

Geo. Crawford found his new conservatories very handy during the recent holiday rush, and says he does not know how other stores get along without such necessities. He is distributing a very tasty calendar to his customers.

The recent unprecedented snowstorm caused much damage to old greenhouses; among those which were broken down were three houses of the Collingdale establishment, Collingdale, Pa., which fortunately contained stock which was but little damaged by the snow. Many other florists also report slight damage to glass, etc. Coal has risen in price to many florists on account of the extra labor involved; one firm is reported as burning a barrel of paint to keep the boiler going, on account of coal shortage.

Chas. H. Campbell of Germantown ave. has a fine lot of Scholzeli Ferns in his houses, also some fine plants of Pandanus utilis. He reports Christmas business as very satisfactory, and is busy preparing stock for Spring use. A dainty calendar is being distributed by him.

J. J. Habermehl's Sons have been very busy recently with débutante and recep-

LILACS—DAFFODILS—YELLOW DAISIES—MIGNONETTE—WHITE, PINK and LAVENDER PEAS—SINGLE VIOLETS—CATTLEYAS—and all other Seasonable Flowers.

JOHN W. McINTYRE
WHOLESALE FLORIST, 1601 Ranstead Street
PHILADELPHIA, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Dec. 27, 1909	Buffalo Jan. 3, 1910	NAMES AND VARIETIES	Phil'delphia Jan. 3, 1910	St. Louis Jan. 3, 1910
40.00 to 50.00	40.00 to 50.00	Roses—A. Beauty, fancy—special	15.00 to 60.00	40.00 to 50.00
25.00 to 35.00	to 30.00	" extra	20.00 to 40.00	15.00 to 80.00
15.00 to 25.00	to 16.00	" No. 1	15.00 to 25.00	8.00 to 12.50
10.00 to 12.50	4.00 to 10.00	" No. 2	10.00 to 15.00	4.00 to 6.00
6.00 to 10.00	5.00 to 20.00	Killarney	4.00 to 12.00	6.00 to 10.00
6.00 to 10.00	to	White Killarney	to	to
5.00 to 10.00	6.00 to 20.00	My Maryland	4.00 to 12.00	6.00 to 10.00
4.00 to 10.00	6.00 to 20.00	Richmond	4.00 to 15.00	6.00 to 10.00
4.00 to 6.00	6.00 to 12.00	Perle	3.00 to 6.00	4.00 to 6.00
5.00 to 10.00	to	Golden Gate	3.00 to 10.00	to
to	to	K. A. Victoria	to	to
to 10.00	16.00 to 20.00	Bride, Maid, fancy—special	8.00 to 10.00	8.00 to 10.00
to 8.00	12.00 to 16.00	" extra	6.00 to 8.00	5.00 to 6.00
to 6.00	8.00 to 10.00	" No. 1	4.00 to 6.00	to 4.00
4.00 to 5.00	4.00 to 8.00	" No. 2	2.00 to 4.00	to
to 1.00	to	Adiantum	1.00 to 1.60	to 1.50
to	to	Antirrhinum (per bunch)	to	to
25.00 to 50.00	to	Asparagus, Plumosus, bunches	25.00 to 50.00	25.00 to 40.00
25.00 to 50.00	to	" Sprengeri, bunches	25.00 to 50.00	25.00 to 75.00
to	to	Bouvardia	2.00 to 3.00	to
12.50 to 15.00	10.00 to 15.00	Callas	6.00 to 10.00	12.50 to 15.00
to	to	Chrysanthemums	to	to
2.50 to 3.00	to	Carnations—inferior grades, all colors	1.50 to 2.00	1.50 to 2.00
4.00 to 5.00	2.00 to 3.00	Standard Varieties: White	2.50 to 3.50	1.50 to 2.00
4.00 to 5.00	2.00 to 3.00	Standard Varieties: Pink	2.50 to 4.00	1.50 to 2.00
4.00 to 5.00	2.00 to 3.00	Standard Varieties: Red	2.50 to 4.00	1.50 to 2.00
4.00 to 5.00	2.00 to 3.00	Standard Varieties: Yellow and var	2.50 to 3.50	to
to 6.00	3.00 to 5.00	*Fancy (*The highest grades of Sta'd vars.): White	3.00 to 5.00	3.00 to 4.00
to 6.00	3.00 to 5.00	*Fancy: Pink	3.00 to 5.00	3.00 to 4.00
to 6.00	3.00 to 5.00	*Fancy: Red	3.00 to 5.00	3.00 to 4.00
to 6.00	3.00 to 6.00	*Fancy: Yellow and var	3.00 to 5.00	to
to	to	Daffodils	3.00 to 6.00	to
to	1.00 to 1.50	Daisies	1.50 to 2.50	to
to .15	to .20	Ferns, hardy	.35 to .75	to .15
to	to	Freesia	to	to
to .10	to .15	Galax, green and bronze	.35 to .75	to .15
2.50 to 3.00	to	Gardenias, per doz	1.00 to 6.00	to
to	to	Lilac	to	to
12.50 to 15.00	12.50 to 15.00	Lilies, Harrisii and Longi	10.00 to 15.00	16.00 to 18.00
4.00 to 5.00	4.00 to 5.00	Lily of the Valley	2.00 to 3.00	3.00 to 4.00
3.00 to 4.00	3.00 to 4.00	Mignonette	1.50 to 4.00	4.00 to 5.00
to 3.00	2.50 to 3.00	Narcissus	1.00 to 3.00	2.00 to 3.00
to	to	Orchids—Cattleyas	30.00 to 60.00	to
to	to	Cypripediums	12.50 to 15.00	to
to	to	Dendrobium Formosum	30.00 to 40.00	to
to	to	Pansies, per doz. bunches	.60 to .75	to
2.00 to 3.00	2.00 to 3.00	Roman Hyacinths	1.00 to 2.50	2.00 to 3.00
to 20.00	to 15.00	Smilax, (per doz strings)	10.00 to 15.00	12.50 to 15.00
.25 to .35	1.00 to 1.25	Stevia, per bunch	.15 to .25	1.00 to 1.50
1.00 to 1.50	.75 to 1.00	Sweet Peas, (per doz. bun.)	.75 to 1.50	.75 to 1.50
to	to	Tulips	to	to
.75 to 1.00	to	Violets, single	.35 to .50	.75 to 1.50
to	1.00 to 1.50	" double	.75 to 1.25	to
to	to		to	to
to	to		to	to

Headquarters in Western New York

For Roses, Carnations,
Add all kinds of Seasonable Flowers

WM. F. KASTING CO.
Wholesale Commission Florists
Dealers in Florists' Supplies and Wire designs
383-87 Ellicott St., BUFFALO, N.Y.
Give us a trial—We can please you

Please mention the Exchange when writing.

EDWARD REID
Wholesale Florist
Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias
All other seasonable flowers
1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

ROBERT CRAIG CO.
Roses, Palms, Crotons
Carnations and Novelties in Decorative Plants
Market and 49th Sts.,
PHILADELPHIA, PA.

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

Philadelphia

Business among the retailers at New Year's was not as much as was expected, and perhaps equalled a good Saturday's trade.

Owing to the recent storm, from which our city has not recovered, travel to and fro has been sadly interfered with and this affected business in a large measure. The cut flower departments were especially disappointing to many and, although prices were somewhat reasonable, a large amount of material was left over. Plants and small baskets with mixed flowers were more popular.

Since New Year's Day quite a little funeral work has been accomplished, which has helped to clean up many ice boxes. The Century Flower Shop recently executed an order for a casket cover of Lily of the Valley and Orchids, which was admired by all who saw it.

Edw. Reid reports an exceptional shipping business during the recent holidays, and has received many letters from customers in distant cities, the following being a fair sample: "We thank you for your kind attention to our orders during the holidays. The flowers arrived in fine shape, were uptodate, and orders filled promptly and perfectly."

J. Berger of Berger Bros. recently slipped on the ice, the result of his fall causing him to stay home for a few days.

Geo. Campbell of Flourtown, Pa., recently had the good fortune to ship to this market about 18,000 Roses in seven days from his stock of Richmond and Pink Killarney, he having timed his crop just right for the holidays.

A. Strohlein is now on his annual trip to Europe in the interests of Henry A. Dreer, Inc., whom he so ably represents.

Godfrey Aschmann is in daily receipt of weather forecasts from the government, these proving of great value, on account of the immense shipping business done by him. A general clean up of all flowering plants for the holidays was made, and

tion parties, one occasion, at the Bellevue-Stratford, calling for the use of between 3000 and 4000 American Beauty Roses.

John McIntyre is now receiving fine shipments of white Lilac, while lavender Peas, yellow Daisies, and Daffodils are among the other novelties offered by him.

Chas. H. Fox says that he has recently secured property which will soon be remodelled into a store, containing many new features; his present store is replete with many novelties in Fern dishes.

Robert Shock has just rounded out his first year with M. Rice & Co. and finds himself very satisfied with his business connections. Robert has been in all branches of the trade, having wheeled soil in greenhouses as a starter, has gone through many lines of experience in decorating, and afterwards connected with the commission business for a few years. His ability to make friends is conceded. Congratulations, Rob.

New Year's Day was celebrated at the rooms of the Florists' Club of Philadelphia by many florists, and "open house" was the order of the day; refreshments and eatables were to be had until a late hour, these adding in no small degree to the success of the efforts of the Club's room committee.

The S. S. Pennock-Meehan Co. finds its new auto-truck very adaptable for its business, and when the snow has disappeared, more benefits will be received from it.

Carnations Winsor and Enchantress as seen at the Leo Niessen Co.'s establishment, are especially fine and above the standard.

W. E. McKissick & Bros. are receiving some elegant Mrs. Jardine Roses from John Stephenson, a grower who makes a specialty of this variety and meets with good success in his efforts to produce the best stock.

Ladies' night will be held at the Club rooms about January 28; a definite date will be announced later.

E. Bernheimer says the large greenhouses at North Wales, Pa., withstood the recent heavy storm admirably, and only a few lights of glass were broken, for which he feels thankful, although considerable labor was necessary to keep the heavy snow from piling up on the roof.

Geo. Faulkner had the job to decorate the Union League Club rooms this week. No small amount of work, but it was ably executed.

After an absence of more than a year, during which time it was said he was in California, Edward Morris, of Midvale ave. returned to his home and was at once arrested, charged with burglary. It was declared that the accused had broken into and robbed the florist shop and house of Mrs. Mary Alburger, Ridge ave. and Huntingdon st., in September, 1908.

Boston

The New England Dahlia Society will hold its annual meeting in Gilbert Hall, Tremont Temple, on Jan. 12, at 7 p.m. As this will be a very important convention, all interested in the Dahlia should make an effort to be present.

The annual banquet of the Gardeners and Florists' Club will be held on Jan. 27. Tickets may be had from the secretary, W. N. Craig, North Easton; also from P. M. Miller, 32 South Market st.

The next meeting of the Club will be on Jan. 18, and, besides the inauguration of officers, there will be an interesting lecture on "Plant Collecting in China," by Mr. E. H. Wilson of the Arnold Arboretum.

E. Allan Peirce is very happy these days; it's another boy.

Indianapolis

The State Florists' Association of Indiana will hold its monthly meeting January 11 at 2 p.m. All members are requested to bring exhibits.

John Rieman and A. Wiegand & Sons have added new wagons to their equipment.

Henry Rieman enjoyed an unusually prosperous plant business this month.

The Roepke-Rieman Co. is receiving material for another new house.

Smith & Young Co. is sending a fine lot of Cattleyas to this market.

Four automobiles and five wagons in Bertermann's delivery force were swamped with deliveries Christmas Day.

Walter Bertermann, who looks after this department, stated that he never had worse weather conditions to combat with at the holiday period.

Pittsburgh Cut Flower Co.
Wholesale Florists and Growers
The House that Has and Sells Good Goods at Fair Prices
Salesroom: 222 Oliver Ave., PITTSBURGH, PA.
Please mention the Exchange when writing.

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS
457 Milwaukee St., MILWAUKEE, WIS.
'Phone, Main 874. P. O. Box 103.
Please mention the Exchange when writing.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES
C. C. Pollworth Co.
Milwaukee, Wis.
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Dec. 26, 1909	Pittsburg Jan. 6, 1910	NAMES AND VARIETIES	Boston Jan. 3, 1910	Detroit Jan. 3, 1910	Cincinnati Dec. 27, 1909
35.00 to 60.00	40.00 to 50.00	**Roses**—A. Beauty, fancy—special	30.00 to 50.00	40.00 to 50.00	to 60.00
20.00 to 25.00	20.00 to 30.00	" extra	10.00 to 30.00	30.00 to 35.00	to
15.00 to 18.00	12.00 to 15.00	" No. 1	4.00 to 10.00	20.00 to 30.00	to
6.00 to 10.00	6.00 to 10.00	" No. 2	to	6.00 to 15.00	to 6.00
8.00 to 12.00	6.00 to 20.00	Killarney	8.00 to 12.00	4.00 to 10.00	4.00 to 10.00
8.00 to 12.00	to	White Killarney	8.00 to 12.00	4.00 to 12.00	4.00 to 10.00
to	6.00 to 15.00	My Maryland	8.00 to 10.00	4.00 to 12.00	6.00 to 10.00
8.00 to 12.00	6.00 to 15.00	Richmond	8.00 to 12.00	6.00 to 15.00	4.00 to 10.00
4.00 to 6.00	to	Perle	to	to	to
to	to	Golden Gate	to	to	to
4.00 to 8.00	to	K. A. Victoria	to	4.00 to 12.00	to
8.00 to 10.00	to 15.00	Bride, Maid, fancy—special	6.00 to 8.00	8.00 to 10.00	4.00 to 8.00
to 6.00	to 12.00	" extra	4.00 to 6.00	6.00 to 8.00	to
to 4.00	8.00 to 10.00	" No. 1	2.00 to 4.00	4.00 to 6.00	to
to	to 6.00	" No. 2	to	to	to
to 1.00	to 1.50	**Adiantum**	.75 to 1.00	1.00 to 1.50	to
to	to	**Asparagus, Plumosus, bunches**	to	to	to
to 30.00	30.00 to 50.00	" Sprengeri, bunches	to 50.00	30.00 to 50.00	to 25.00
to 30.00	20.00 to 30.00		to 50.00	30.00 to 50.00	to
to	to	**Bouvardia**	to	to	to
to 12.50	to 15.00	**Callas**	8.00 to 12.00	12.50 to 15.00	to 10.00
to	to	**Chrysanthemums**	to	to	to
to	to 1.50	**Carnations**—Inferior grades, all colors	to	to	2.00 to 4.00
to 2.00	to 2.00	Standard Varieties: White	2.00 to 3.00	2.00 to 3.00	to
to 2.00	to 2.00	Pink	2.00 to 3.00	2.00 to 3.00	to
to 2.00	to 2.00	Red	2.00 to 3.00	2.00 to 3.00	to
to 2.00	to 2.00	Yellow and var.	2.00 to 3.00	to	to
3.00 to 4.00	to 4.00	*Fancy (*The highest grades of Sta'd vars.): White	to 4.00	3.00 to 4.00	to
3.00 to 4.00	to 4.00	Pink	to 4.00	3.00 to 4.00	to
3.00 to 4.00	to 4.00	Red	to 4.00	3.00 to 4.00	to
3.00 to 4.00	to 4.00	Yellow and var.	to 4.00	to	to
to 3.00	to 4.00	**Daffodils**	to 2.00	to 4.00	to
to .60	1.00 to 2.00	**Daisies**	1.00 to 1.50	to	to
to .25	.15 to .20	**Ferns, hardy**	to	to .15	to
to	3.00 to 4.00	**Freesia**	to	3.00 to 4.00	to
to .20	to .12	**Galax, green and bronze**	to	to .12	to .15
to	to	**Gardenias, per doz.**	3.00 to 4.00	to	to
to	to	**Lilac**	to	to	to
to 12.50	15.00 to 20.00	**Lilies, Harrisii and Longi**	8.00 to 12.00	12.50 to 15.00	to
3.00 to 4.00	3.00 to 4.00	**Lily of the Valley**	2.00 to 4.00	3.00 to 4.00	to
to	3.00 to 5.00	**Mignonette**	2.00 to 4.00	10.00 to 15.00	to
to	to 3.00	**Narcissus**	1.00 to 2.00	to 3.00	to 3.00
to	to 75.00	**Orchids**—Cattleyas	35.00 to 40.00	40.00 to 75.00	to
to	15.00 to 20.00	Cypripediums	to 8.00	25.00 to 35.00	to
to	to	Dendrobium Formosum	to	to	to
to	to 1.00	**Pansies, per doz. bunches**	to	to	to
to 3.00	to	**Roman Hyacinths**	to	to 3.00	to
to 15.00	16.00 to 20.00	**Smilax, (per doz strings)**	15.00	15.00 to 20.00	to 12.50
to 1.50	to 1.50	**Stevia, per bunch**	to	to 2.00	to
to 1.00	.50 to 1.50	**Sweet Peas, (per doz. bun.)**	to 1.00	1.00 to 1.50	to 1.00
to	to 4.00	**Tulips**	to	to	to
to 1.00	.50 to .75	**Violets, single**	.60 to .60	.75 to 1.50	to
to 1.00	1.00 to 1.50	" double	.50 to .60	.75 to 1.50	to
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.
SPECIALTIES
CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY
And all other seasonable flowers in quantity
WELCH BROS.
226 Devonshire Street.
Please mention the Exchange when writing.

The McCallum Company
WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE
Headquarters of Western Pennsylvania florists
937 Liberty Ave., PITTSBURGH, PA.
Please mention the Exchange when writing.

John Heidenreich disposed of a fine lot of Azaleas at fancy prices.

Tomlinson Hall market reported as the "best-ever" their Christmas business. What remained after the shop men had been satisfied was quickly cleaned out at satisfactory prices. Baur & Smith's stand there was filled with a fine display.

A. Brandt narrowly averted a holdup at his establishment this week.

E. A. Nelson has a new Palm wagon.

Visitor, John C. Meyer, Lowell, Mass. Wilber Byers of Franklin was with Bertermann Bros. during the holidays.

Review of the Holiday Trade

A most trying period, amid adverse weather conditions, has resulted in a splendid business outcome for the flower trade in general. As reported from all other sections of the country, Christmas business exceeded that of any previous year by a wide margin, and no comment other than general satisfaction is expressed in all quarters. Had it not been for that furious snowstorm which arrived the day preceding Christmas and blocked deliveries in no uncertain manner, everything would have been fine. The quality of stock received and sold, generally speaking, was better than in previous years. There were fewer complaints and practically no pickled stock, a fact upon which both growers and commission men should be complimented.

Christmas noon found many hundreds of orders on the storemen's hands and it seemed an utter impossibility to deliver them, as automobiles, horses and street cars alike were waging an unequal battle with the snow. Many telephone orders had to be turned away because of this fact and, naturally, receipts did not nearly touch the mark they would have reached under normal conditions with people coming to the stores in person.

Distinct novelties were conspicuous by their absence in both the cut flower and plant line, but novel combinations and beautiful expressions of the florists' skill were preceptible everywhere. Fancy baskets, well filled with flowering plants, were finer and sold in greater quantities than ever. The public seemingly has the money to spend and was not unwilling to pay any price in reason for its choice. Quality, rather than quantity, resulted in much satisfaction for the shopkeepers. Prices deviated but little from former years and were, if anything, a trifle lower. The Western cities have at last become accustomed to the use of Orchids, and the demand this year was more than double that of last. Cattleyas retailed readily at $12 to $24 per dozen.

Much trouble was had with Eastern Violets, because of late trains, and it took much manoeuvering to fill orders after taking them because of this uncertainty; $3 to $4 per 100 with trimmings was the customary retail figure. Christmas Lilies, as a lady stated it, for Poinsettias, were generally grown this year, and the public bought them by the hundreds. The outlook for them another season is not so promising as the critical buyers are prone to style them "common" because of the general use of the paper ones.

The fine quality of Roses furnished by the growers was frequently commented upon; Killarney and My Maryland, in particular, arrived in fine condition, were of fine color, and had good stems. The public showed their appreciation by buying liberal amounts at $3 to $5 per doz. Richmond was a trifle high at $6 to $9 per doz. American Beauty were sold out early Christmas Day at $4 to $24 per doz. Bride and White Killarney, naturally, did not do so well at $3 to $4 per doz.

Prosperity enabled the wealthier classes to give many parties long delayed. These occupied the florists' time for some days before Christmas and through the holiday season.

Potted plants kept well apace with the cut flowers in point of sale, and few good specimens were left over. Among the best sellers were Azaleas, Ericas, Cyclamens and Jerusalem Cherries. Lorraine Begonias and Primroses might well be grown in a smaller quantity as they were not readily taken.

Carnations were sold in greater numbers than last year, but the supply seemed to be unlimited and at no time was there much trouble in obtaining them at $4 to $8 per 100. The retail figure ranged from $1 to $1.50 per doz. with $2 for fancies. Enchantress, Lawson, Beacon and White Perfection were among those most in evidence. Bright weather is at this writing bringing them on by the thousands, and prices has subsided to $3 and $4 per 100.

Lily of the Valley found an unprecedented sale. A few extra fancy were wholesaled at $6 per 100, and retailed at double that price. Paperwhite Narcissus, also Roman Hyacinths, did well at $4 per 100. Small ferneries, ranging from $1 to $3 per doz., were general favorites, as the masses seemed more aware of their beauty and usefulness than formerly.

Green goods, such as Holly, Laurel, etc., were left almost entirely in the hands of the seedsmen. Michigan Winter Berries were in all the flower shops and found a fine sale. Decorations, large and small, have kept decorators unusually busy, and will probably do so until the Lenten season arrives. I. B.

Prices Advertised in these Columns are for THE TRADE ONLY

Coming Exhibitions

Boston, Mass., May 26-30, 1910.—Great Exhibition of Orchids and other plants, by the Massachusetts Horticultural Society. Secretary, William P. Rich.

New York, March 16-18, 1910.—Exhibition of The American Rose Society, at the American Museum of Natural History, 77th st. and Central Park West. Secretary, Benjamin Hammond, Fishkill-on-Hudson, N. Y.

Pittsburg, Pa., January 26-27, 1910.—Exhibition of the American Carnation Society, Secretary, A. F. J. Bauer, Indianapolis, Ind.

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PETER REINBERG

Wholesale Cut Flowers

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Headquarters for American Beauty Rose

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Wholesale Prices of Cut Flowers, Chicago, Jan. 4, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	4.00 to 5.00
30-inch stems.. "	.... to 2.00
24-inch stems.. "	2.50 to 3.50
20-inch stems.. "	.... to 2.50
18-inch stems.. "	1.50 to 2.00
12-inch stems.. "	1.00 to 1.25
8-in. stems and shorts "	.75 to 1.00
Killarney	8.00 to 10.00
" extra	10.00 to 12.00
White Killarney	8.00 to 12.00
Richmond	8.00 to 12.00
My Maryland	6.00 to 8.00
Bride, Maid, fancy special	6.00 to 9.00
" extra	4.00 to 6.00
" No. 1	2.00 to 4.00
" No. 2	.... to 2.00
Perle	8.00 to 10.00
Chatenay	3.00 to 6.00
Kaiserin	.... to 8.00
Uncle John	.... to 8.00
Mrs. Marshall Field	.... to 8.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .70
" Sprengeri	.35 to .70
Bonvardia	2.00 to 4.00
Chrysanthemums doz.	.... to ....
" fancy doz.	.... to ....
Daisies	.... to ....
Daffodils	.... to 3.00
	.... to ....

CARNATIONS		
Standard Varieties	White	2.00 to 3.00
	Pink	2.00 to 3.00
	Red	3.00 to 5.00
	Yel. and Var.	.... to ....
*Fancy grades of Sta'd varieties	White	3.00 to 4.00
	Pink	3.00 to 4.00
	Red	3.00 to 4.00
	Yel. and Var.	.... to ....
Ferns, hardy, per 1000		.... to 1.50
Freesia		.... to ....
Galax (green)		.... to 1.25
" (bronze)		.... to 1.25
Gardenias		.... to 50.00
Hyacinths, Roman		.... to 3.00
Lilac		.... to ....
Lilies, Harrisii and Longi.		10.00 to 12.50
Lily of the Valley		4.00 to 5.00
Mexican Ivy		.... to 1.00
Mignonette		4.00 to 6.00
Narcissus—Paper White		2.00 to 3.00
Orchids—Cattleyas		35.00 to 50.00
" Cypripediums		15.00 to 20.00
Pansies		.... to ....
Smilax		.... to 12.00
Stevia, bunch		.25 to .50
Sweet Peas		1.25 to 1.50
Tulips		.... to ....
Violets, single		.50 to .75
" double		1.00 to 1.50
		.... to ....
		.... to ....

A. L. RANDALL CO.

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VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

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Chicago

Last week we gave a report of the week's business among the wholesale dealers. The retailers all voice the same sentiment, that they did a most excellent trade, and the possibilities are that the receipts would have shown up greater had the day itself been more favorable. The storm was so severe that pedestrians were too few and street trade that is always so well patronized on these occasions, was consequently very quiet. This was the only drawback experienced. As to what is most popular for gifts in the flower line for Christmas, all declare that nearly one-half of the sales were of flowering plants; this is attributed to the excessive advance in prices in the cut flower line at this period. With the price of a dozen Roses far exceeding that of a beautiful plant, the plant has the preference. Each year, on all occasions where flowers figure prominently, the increased demand for plants is astonishing.

Fleischman says more business than ever at this season was done and their new delivery auto-car rendered them good service for the rush. This car is of handsome design, built on the lines of an old French coach, every detail being in keeping with the pattern of the car. It is lighted and heated by electricity. The interior is very roomy, having shelves that can be taken out and replaced at will. While there is nothing showy or flashy about the car, it looks good all through. Its color is a violet tone, with the interior of mahogany finish.

Friedman's business may be realized by the help he employed two or three days previous; twenty messenger boys on Friday and Saturday, three vans on Friday four vans on Saturday, and four taxicabs were all kept busy. For 72 hours the store was not closed. Mr. Friedman says he managed to snatch about nine hours' sleep during this time. Plants figured largely in the business.

The Bohannon Floral Co. spent its first Christmas in its new store, and was unprepared as to what to expect. Mr. Bohannon says it would have been impossible for him to have taken care of any more business than he handled.

Mangel's business was increased greatly over that of the preceding Christmas season, as with the rebuilding of the interior of the store, resulting in better accommodations and facilities for waiting on the crowd that patronized the establishment, his proceeds could not help but be nearly doubled. Mr. Mangel has the advantage of having a long established and most prominent corner store.

Harry Rowe says that his trade was excellent and he has no complaint to make regarding weather or other conditions.

It is the opinion of J. Craig that much greater sales of flowers would be effected if the prices were more nominal, as when high prices are asked for flowers in all lines and people only have two or three dollars to lay out for them, such people resort to the offer of a box of candy in preference to the small showing of flowers obtained for the amount they can expend.

C. A. Samuelson had a good share of the holiday business, and his made-up baskets, hampers, etc., sold well.

W. J. Smyth, with his prominence in a locality where no opposition is offered him for blocks, is in command of a large trade at all times, and customers are certainly attracted to the inside of the store by the artistic display made in both windows.

The annual convention of the Illinois State Florists' Association is to be held at the University of Illinois, Champaign, February 15 and 16.

S. Muir, likewise, is located where he commands the patronage of a flourishing and wealthy neighborhood, and one can find a most select line of all small plants in his conservatories, as well as a full line of Orchids, Violets and everything seasonable in the market.

Many of the leading florists were busy the past week with corsage work and small decorations, for parties given for the young people home for the holidays. Business did not seem to take quite such a fall as usual the week following Christmas.

The annual Midwinter flower show at the Lincoln Park conservatories is open to the public and many people from all parts of the city throng the big glass houses each day. The exhibition shows all flowers of the season, but the most beautiful section is that devoted to Orchids, which contains more varieties than ever before, according to head gardener Rudolph Schiel. Some of the best specimens are from the H. G. Selfridge collection.

The sympathy of the trade in general is extended to W. P. Kyle, on account of the death of his son, Francis L., aged nine years. This was the only child of Mr. and Mrs. Kyle, and his loss will be felt exceedingly. He had been an invalid the past 3 years and his death was not unlooked for. The funeral took place on Sunday, January 2, interment being made at Mt. Greenwood cemetery.

August Boseck, for the past twenty years superintendent of Wunder's cemetery, died December 28, at his residence, 3953 North Clark st., of pneumonia, at the age of 60. Mr. Boseck was born in Chicago. The funeral was held on Thursday, December 30. A widow, two daughters, and a son survive the deceased.

August Pierson, a resident of the city for twenty-five years, and the past seven years superintendent of Oakhill cemetery, died December 28, at the residence of his daughter, Mrs. Anthony C. Jackson, 6932 Kimbark ave., following an operation. The funeral services were held December 30.

The managerial end of Winterson's Seed Store is busy working on its new seed catalog for 1910, which it is felt sure will be a winner. The Dewdrop brand of Mistletoe which this house handled during the holidays was a great seller.

The genial H. E. Philpott of Winnipeg is spending some days in town, and will be present at the Florists' Club meeting on Thursday night, when the election of officers takes place. Mr. Philpott is the candidate for vice-president.

W. C. Johnson of E. H. Hunt's is getting ready to leave on an extended southern trip.

A new feature of the Garfield Park flower show the past two weeks, was the keeping of the conservatories open during the evenings. Mr. Sell says that while there was not as great an attendance as he would have liked to see, the show was well patronized for the holiday weeks, and he feels that it is a good idea to have the public shows open in the evening.

Oklahoma City, Okla.

Bright sunshine, and a genial warm temperature, were the weather conditions that prevailed in this city on Christmas Day.

The floral industry here is in the hands of two firms: Stiles & Co., who conduct a strictly uptodate florist's store, and the Barteldes Seed Co., who have a downtown retail seed store, in conjunction with which they do a general trade in cut flowers and decorative plants.

The Christmas Trade

Business for the holidays was all that could be desired and, this being a somewhat new town, and developing swiftly into a large city, a decided increase in the total amount of business done, is noticed.

Stiles & Co., whose well equipped store is located at 139 West Main st., carried a superb and comprehensive line of both cut flowers and flowering plants for their holiday trade; indeed, the quality of their stock was quite a surprise to us, for this city is far removed from any large growing center, and nearly all the stock, both plants and flowers, has to be shipped over a long distance.

On enquiry, we learned that Cyclamens and Begonia Gloire de Lorraine came from The Park Floral Co., Denver, Col., and from The Stuppe Floral Co., St. Joseph, Mo.; long distances to send flowering plants, yet they were on hand in the pink of condition and, moreover, gave complete satisfaction all around. Other flowering plants handled were: Azaleas, Poinsettias, Narcissus, Roman Hyacinths and Primulas in variety. Prevailing prices in 6-in. and 7-in. pots were: Azaleas, $3 to $3.50, Cyclamens and the Begonias also bringing the same figures; Hyacinths and Narcissus in pans, $2 and $2.50 each.

In the matter of fancy pot covers or ribbons for plant adornment, there is hardly much demand along that line as yet, though the manager, Mr. Stiles, believes that the time is near when there will be found a good trade in the many little accessories that go toward putting a "finish" to a pretty flowering plant. The firm carries in stock a nice line of pot covers, mats, jardinières in metal, ribbons, and the thousand and one things that go to make up the necessary incidentals of a first-class flower store.

Decorative plants sold fairly well. Among these the chief subjects were: Kentias, Araucarias, some of the improved forms of the Nephrolepis, and table Ferns for filling centerpieces.

The cut flower trade was more than satisfactory and prices that obtained were: American Beauty Roses, $12 to $18 per dozen; all other Roses such as Killarney, Richmond, the Bride, sold at $3, $4 and $5 per dozen, according to grade. Carnations sold at $1.50, $2.50 and $3 per dozen, the red variety O. P. Bassett bringing the highest mentioned price. Paper White Narcissus brought from $1.25 to $1.50 per dozen; Lily of the Valley, $1 per dozen, Violets, $3 per 100.

Holly was handled in considerable quantities and retailed at 25c. per lb.; to the writer, this seemed a rather novel method of selling this evergreen and it

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It costs 15 cts. to thoroughly fumigate a house 100x25.

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The H. A. Stoothoff Co.
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All the Clay

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Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

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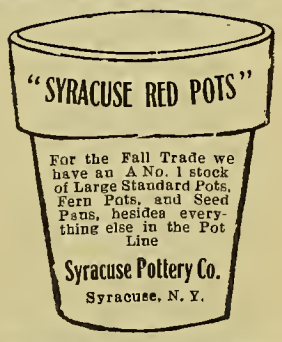

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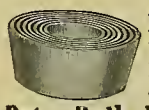

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TRY US

KELLER POTTERY CO.
213-215 Pearl St., NORRISTOWN, PA.

Please mention the Exchange when writing.

would seem also to be a very profitable one for the dealer. Mistletoe abounds in the woods adjacent to this city, consequently there was little demand for this so-called "osculatory promoter" evergreen, though plenty of it is collected and shipped to more northern climes, where it seems to be more needed.

The personnel of Stiles & Co. are brothers of that name, who originally came from Buffalo, N. Y. The business here has been established about ten years; besides the retail store above referred to they have a growing establishment, situated in the northwest quarter of the city, consisting of 15,000 feet of glass, under the supervision of one of the brothers. The land upon which these greenhouses are located has become very valuable, however, and it is the intention of the firm to build in the near future a larger range further removed, and cut up the land now occupied by the greenhouses for building purposes.

A member of the firm mentioned the fact that there is a great falling off in the qualities of the "Chinese Lily Bulbs." For the last two years these have proved very unsatisfactory; they grow too tall, fall over, and flower imperfectly, consequently, their orders for this class of bulbs have been cut down over fifty per cent. Perhaps some of your readers can give some explanation regarding the deterioration of this Narcissus, or may be suggest some method of culture that will obviate the troubles mentioned. The demand for these bulbs has hitherto been very good and it would be too bad to have the public at large discard them entirely.

S. S. BUTTERFIELD.

Detroit

Reviewing the business of last week, most all of the florists were hustling to fulfil the call resulting from society's demands and caprices. The latter are at times very irksome but at other times lead to valuable discoveries. Such was the case with Breitmeyers, when to satisfy caprices they decorated a hall with Elm branches painted with aluminum paint. Here was an extremely decorative material discovered, which lends itself to stunning effects. Unfortunately, a decorator must at times listen to the customer more than is good for the job and the highest efficacy cannot always be reached. Nevertheless, I would like to recommend a trial of this material to every florist.

Toward the end of the week counter sales increased very rapidly, with prices a shade lower than Christmas. The tumble in prices of long American Beauty Roses in the Chicago market was felt here, and the top price of $18 per dozen a week ago came down to $12 per dozen. All in all, the extraordinarily heavy Christmas trade had its effect on New Year's and while the difference is very small, still New Year's of 1910 was less than New Year's of 1909.

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100 lbs. in double lined bags at $2.50 per bag; 5 bags for $11.25; 10 bags for $20.00.

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STANDARD FLOWER POTS

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Price per crate.				Price per crate.			
1500 2 in. pots in crate,			$4.68	120 7 in. pots in crate,			$4.20
1500 2½	"	"	5.25	60 8	"	"	3.00
1500 2½	"	"	6.00				
1000 3	"	"	5.00	HAND MADE			
800 3½	"	"	5.50	48 8 in. pots in crate,			$3.60
500 4	"	"	4.50	48 10	"	"	4.80
456 4½	"	"	5.24	24 12	"	"	3.60
320 5	"	"	4.51	24 12	"	"	4.80
210 5½	"	"	3.78	12 14	"	"	4.60
144 6	"	"	3.16	3 18	"	"	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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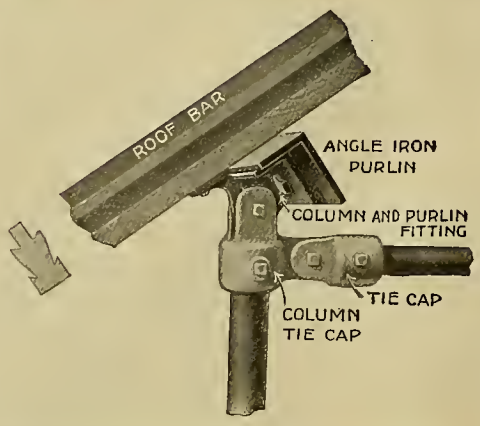

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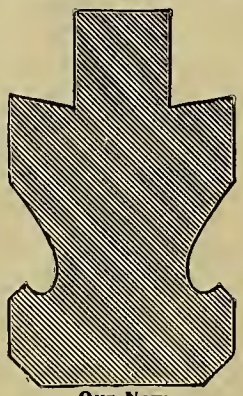

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The HOSE for the FLORIST

¾-inch, per ft., 15 c.
Reel of 500 ft., " 14½c.
2 Reels, 1000 ft., " 14 c.
½-inch, " 13 c.
Reels, 500 ft., " 12½c.

Couplings furnished.

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SASH BARS, in all lengths up to 32 feet.

HOT BED SASH, a specialty.

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Please mention the Exchange when writing.

Retail Prices of Fruit

The price of fruit here may be of interest to the readers of these notes. Apples—Baldwins, 3 lbs. for 25c.; Gano, 4 bsl. for 25c.; Winesaps, 10c. per lb., 3 lbs. for 25c.; Belleflowers, 5 lbs. for 25c. Japan Persimmons, 10 to 15c. per lb. Pomegranates, 10c. per lb., 3 lbs. for 25c. Lemons, 10c. per doz. Oranges, 10 to 25c. per doz. Cranberries, Massachusetts grown, 10c. per lb. Grape fruit (Pomelos) 50c. to $1 per doz. Strawberries, poorly colored because of cloudy weather, 15c. for a 10-oz. box. Guavas, two boxes of 13 oz. each, 15c. Grapes, 8c. to 10c. per lb. These are retail prices—which lead some of us to the belief that the consumer pays a handsome profit to the retailer for the privilege of buying the fruit of the land which the grower sometimes sends to the market—at a loss. To remedy this state of affairs seems no nearer solution than it was a half century ago.

A Notable Private Conservatory

Mr. Edward L. Doheney is building an addition to his conservatory, iron frame construction, the first of the kind in this part of the State. The dome will be forty feet in height and, when complete, he will have a structure seventy-five by eighty feet, with two domes the same height, heated with hot water. Just now he is planting an avenue of Cocos plumosa Palms which are twenty-five-feet high—bought at Santa Barbara, an expensive undertaking. Mr. Doheney is a man of large means which he spends with a lavish hand, beautifying his place with rare plants. He keeps a collector in Central America and Mexico, making collections and adding to the long list of plants now growing here. To be sure, many subjects will be failures but, to have an enthusiast in floriculture, with the financial ability and disposition to try out novelties, is a valuable asset to any country. The full value of Mr. Doheney's experiments to southern California may not be apparent for several years—perhaps a decade. Certainly his work will add very materially to our knowledge of plant life. P. D. B.

Glassboro, N. J.

Thomas Leavesley, florist of this place, reports the effects of the recent snow storm as follows: The wind was violent; it tore up trees and broke the tops off others and the town looked as though a cyclone had struck it. Evergreen trees were down everywhere. About two o'clock Sunday morning, I heard a crash and found the sash bars on one of the greenhouses had broken with the heavy snow on the roof, making a gap in the roof 5 ft. long by 32 ins. wide, the snow falling through, with broken glass, to the Carnation beds. It looked at one time as though the roof would collapse under the weight of snow, but I managed to prop it up and saved it from coming down. My loss will reach from $300 to $500, as I shall have to rebuild one house in the Spring, so many sash bars being broken and cracked and the roof being all out of shape. I have two houses 20 ft. x 100 ft. and a small house 16 ft. x 30 ft. In the two large houses I have 25,000 Carnation plants and about 1000 Smilax. The small house contains Geraniums and other plants. My greenhouses are almost covered over with snow, which drifted from 7 to 9 ft. about them.

Prices Advertised in these Columns are for THE TRADE ONLY

For Good Serviceable SECOND-HAND PIPE

Our prices are—1-in. pipe, $2.52; 1¼-in., $3.55 1½-in., $4.05; 2-in., $5.55; 2½-in., $8 50; 3-in. $11.00 per 100 feet. We also sell Boiler Tubes.

ALBERT & DAVIDSON, Brooklyn, N. Y.

Tel. 5022 Williamsburg 88-70 Troutman St

Please mention the Exchange when writing.

You Can't Mistake a U-Bar House

The very minute you see a U-Bar you know it is a U-Bar. It has that U-Bar light airiness about it—that nicety of detail and perfection of finish that stamps it as the finest of greenhouses. Everybody knows they can't be equaled for growing houses and that's what you want houses for. Don't make the mistake of getting a house that looks like a U-Bar; have a U-Bar and then you know you have the best house. Glad to send you a catalog if you will write for it.

U-BAR GREENHOUSES

PIERSON U-BAR CO.

DESIGNERS AND BUILDERS 1 MADISON AVE., NEW YORK

Please mention the Exchange when writing.

New Bedford, Mass.

Christmas, 1909, was all that could be desired. Some of the florists say that it weat ahead of 1908. Reports, in general, are that the plant trade was away ahead of the cut flower business, although this latter was very good. Flowering plants were much in evidence and sold well.

Roses of the best quality brought $3 per doz. Carnations ranged from $1 to $1.20 per doz. retail. Violets retailed at $2.50 per 100; these were rather scarce. Sweet Peas sold at $1 per 100 blooms. Daffodils and Paperwhites brought 75c. per doz.; Stevia and Mignonette also helped out.

There was a fairly good call for Christmas wreaths and evergreens, prices ranging from 25c. up to $2 each. Christmas trees sold fairly well and retailed from 50c. up.

The weather for Christmas delivery was very cold and made a lot of extra wrapping necessary. Christmas Day we had the first real snow-storm of the season, but this did not really hurt business as it came when the rush was practically over.

E. H. Chamberlain says that trade was even better than last year; he, as well as all the uptown florists, had a fine showing of flowering plants and cut flowers, and all were kept on the rush.

E. Y. Peirce is picking some nice Boston Market Carnations at his Cottage st. place. S. S. Peckham is back in harness again, Peter Davis, who had leased his place, having given it up.

The weather for the past four weeks has been very cold; at present writing it is milder.

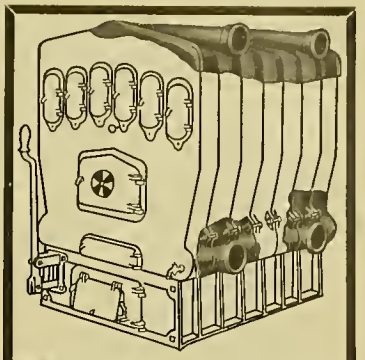
New Year's Day made a little extra call for flowers. Roses sold at $2 per doz. Carnations, 75c. per doz. Violets, $2 per 100. Sweet Peas, at $1 per 100.

Funeral work is fairly good.

We wish every one a Happy and Prosperous New Year.

Visitors the past week, Mr. Bryant of A. H. Hews & Co., Cambridge, Mass.

HORTICO.



The Burnham

The 18 and 30 inch grate Burnham is also made in a broad, low design with socket openings, for low flow pipe connections.

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LORD & BURNHAM CO.

IRVINGTON, N. Y.

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SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers

One cent gets our catalog.

GIBLIN & CO., Utica, N. Y.

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KEEP A

HOLLY STANDARD CIRCULATOR

busy and watch results.

SUB-TARGET GUN CO.,

STEAM ENGINEERING DEPARTMENT

216 High Street, BOSTON, MASS.

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CONCRETE STEEL BENCHES

After three years' experimenting and putting to actual test, we are prepared to book your orders for our Steel Forms by which means you can erect the neatest, most durable bench known to the grower to-day. Many perfectly pleased and satisfied customers on our books.

We invite correspondence.

WILSON-HOYT CO.

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Plant Culture

By Geo. W. Oliver, Propagator to the Bureau of Plant Industry, U. S. Department of Agriculture.

Printed on enamelled paper and illustrated with one hundred plates and engravings. Strongly bound, 12 mo., cloth. By mail postpaid, $1.50.

Every florist, nurseryman and grower will find Plant Culture the most useful assistant in his office. Order a copy of the book now, or send for free sample pages.

A. T. DE LA MARE PTG. & PUB. CO., Ltd.

NOS. 2 TO 8 DUANE ST., N. Y.

The Florists' Exchange is exclusively a Trade Paper. Prices at which stock is offered in these columns are intended for the Trade only.

THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

Send for Circulars

DILLER, CASKEY & KEEN. Successors to JENNINGS BROS.

S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

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TILE DRAINED LAND IS MORE PRODUCTIVE

ROUND TILE

Earliest and easiest worked. Carries off surplus water; admits air to the soil. Increases the value. Acres of swampy land reclaimed and made fertile. Jackson's Round Drain Tile meets every requirement. We also make Sewer Pipe, Red and Fire Brick, Chimney Tops, Encaustic Side Walk Tile, etc. Write for what you want and prices. JOHN H. JACKSON, 50 Third Ave., Albany, N.Y.

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GLASS

OUR SPECIALTY

Can interest you with our prices. Write us when you need any.

SHARP, PARTRIDGE & CO.

CHICAGO, ILL.

Telephone, Canal 880

We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over Write for circulars and prices

The A. T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

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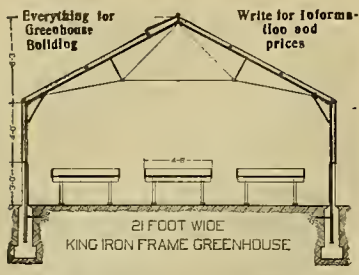

In Widths from 14'0" to 54'0" Without Posts

KING TRUSS SASH BAR HOUSES
IRON GUTTERS AND EAVES
VENTILATING MACHINERY

King Construction Company
N. Tonawanda, N. Y.

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One of Fred Burki's many L & B Iron Frame Houses

THERE is something to be said against columns in a house, but there is a whole lot to be said for them. There is a structural danger line, which if you pass you simply take chances—and mighty long chances at that.

The Sectional Iron Frame Construction has the fewest columns of any safe construction. It's safe to be on the safe side. Let the other fellow do the experimenting.

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NEW YORK — St. James Building
BOSTON — Tremont Building
PHILADELPHIA — Heed Building
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THINK THIS OVER

OUR factory has turned out more cypress greenhouses than any other factory in America. We have furnished the largest range in the world and the finest commercial plant in existence to-day. For forty years we have been in business. Greenhouses have been supplied to every State in the Union, to Canada and Mexico and to Europe. . . . There are more commercial greenhouses in the U. S. of our manufacture than of any other firm in existence. You can buy the house all complete from us, or we'll furnish any part of it. . . .

Greenhouse and Boiler catalogs sent free on request.

John C. Moninger Co.
CHICAGO, ILL.
906 Blackhawk Street

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Write to us about your
Materials and Plans
for any size and style of
GREENHOUSE
for new structure or repairs.

Hot-Bed Sash
in stock or any size required.

Pecky Cypress Benches
most lasting—least expensive.

THE FOLEY MFG. CO.
Western Ave. and 26th St.,
CHICAGO.

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A. HERRMANN
Manufacturer of **Floral Metal Designs**
IMPORTER AND DEALER IN FLORISTS' SUPPLIES
FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK.
Office and Warerooms: 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

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FOR WATER SUPPLY
A Standard Pumping Engine
is more reliable than windmills and will furnish a much higher pressure. Catalogue on request—will tell you more.
THE STANDARD PUMP & ENGINE CO.
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THE KROESCHELL BOILER
is the only perfect
HOT WATER BOILER.
Made in 15 sizes, heating 6,000 to 50,000 sq. ft. glass to 60 degrees at 15 degrees below zero.
Prices and catalogue on application
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GLASS
Greenhouse and Hot Bed
SIZES OUR SPECIALTY
IMMENSE STOCK
Plate and Window Glass
Write for Our Prices
PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y

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Greenhouse Material of Louisiana Cypress and Washington Red Cedar
Hot-Bed Sash
Greenhouse Hardware and Posts
Patent V and U Gutters.
OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT.
Write for Catalogue and Estimate when figuring on your new houses.
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Please mention the Exchange when writing.

Evans Improved Challenge
Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.
Write for catalogue and prices before placing your orders elsewhere.
QUAKER CITY MACHINE CO.
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GREENHOUSE GLASS
ALL SIZES
16x24 A. & B. Double a Specialty
C. S. WEBER & CO.,
10 Desbrosses St., New York

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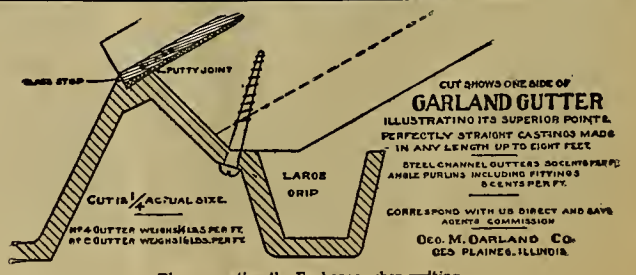

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F. E.—Best Advertising Medium

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 3 | NEW YORK AND CHICAGO, JANUARY 15, 1910 | One Dollar Per Year

Wilder Hall M. A. C.
Amherst MASS

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of the different varieties of

NEPHROLEPIS

which will be found one of the best-selling and most profitable plants that florists can handle. Our stock is in unusually fine shape, and we will guarantee it will please the most exacting, as it is exceptionally good value at the prices quoted.

Improved Elegantissima. The finest of all this type. It was introduced by us in 1905. This form of Elegantissima has been greatly improved, and shows no tendency to revert to the Boston, making it the most valuable fern of this type.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8-in., $12.00 to $18.00 per dozen—according to size.

Superbissima. Introduced by us in 1908. A very unique and distinct novelty. Its distinguishing characteristics are its dark green foliage and dense growth. Fronds are very heavily imbricated, making them very dense and compact.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8 in., $12.00 to $18.00 per dozen—according to size.

Bostoniensis, Piersoni, Whitmani, Scottii—Extra fine plants, 6-in. pots, $6.00 per dozen; 8-in. pans, $12.00 per dozen.

F. R. PIERSON CO. Tarrytown-on-Hudson New York

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A. N. PIERSON, Inc. Cromwell, Conn.

GRAFTED AND OWN ROOT ROSES

WHITE KILLARNEY (Waban Strain)

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.50 "	8.00 "	75.00 "

KILLARNEY

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

MY MARYLAND

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	6.00 "	50.00 "

RICHMOND, KAISERIN, BRIDES and 'MAIDS

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

CARNATIONS

We are now booking orders for Carnations. Pink Delight and May Day are our leaders in new varieties. Winsor, Beacon, White Enchantress and White Perfection in quantity.

CHRYSANTHEMUMS

The best of the new ones and the best of the standards. Commercial varieties exclusively. We are booking orders for both rooted cuttings and plants from pots for February and March delivery.

OUR CATALOGUE

Contains the Carnation and Chrysanthemum lists. It includes our Rose list and the bedding stock. You need our catalogue. If you haven't received one, send for it. We can handle your order whether it is large or small.

Please mention the Exchange when writing.

SPLENDID NEW CROP of

ASPARAGUS Plumosus Nanus

GOOD, HEAVY STRINGS, 50 cts. each

Exceptionally fine plants of

Asparagus Sprengeri

2 1/4 in. stock, $30.00 per 1000

W. H. ELLIOTT

BRIGHTON, MASS.

Please mention the Exchange when writing.

GERANIUMS

Our NEW Illustrated Descriptive Catalogue will be ready for distribution January 15th. It will be the handsomest and most complete Geranium catalogue ever issued, and is free to the trade.

We are revising our mailing list and would suggest that if you are interested you send us your name on a postal card. We claim to have the largest and most complete collection in the country, and an immense stock for immediate shipment from 2-in. pots of good standard sorts, at $2.00 per 100, $18.50 per 1000 and up to 50 cts. each for New Varieties.

We have a splendid stock, in 2-in. pots, of the following at $2.00 per 100:

DOUBLE LOBELIA, Kathleen Mallard; ALYSSUM, Giant and Dwarf; LEMON VERBENAS; FUCHSIAS, 6 Varieties; COLEUS, Verschaffeltii and Golden Bedder; LANTANAS, 8 varieties; IVY LEAVED GERANIUMS, 6 Varieties; SCENTED GERANIUMS.

DOUBLE PETUNIAS, mixed colors, $3.00 per 100.

CANNA ROOTS, home grown, 1,000,000, good strong division, at $18.50 per 1000. King Humbert, $6.00 per 100, $50.00 per 1,000.

DAHLIA ROOTS, whole field clumps, $5.00 per 100 and up.

R. VINCENT, JR. & SONS CO.

WHITE MARSH, MD.

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	Per 100	Per 1000
LILY OF THE VALLEY PIPS	$1.25	$11.00
	Trade Pkt.	Per Oz.
AGERATUM, Imperial Dwarf Blue	$0.10	$0.20
ASPARAGUS PLUMOSUS NANUS.....1000 seeds $3.50		
ASTER, Perfection, in colors	.25	1.25
BEGONIA, Vernon	.25	2.50
BELLIS PERENNIS, named sorts	.25	1.25
CANDYTUFT, Empress	.10	.20
CENTAUREA, Gymnocarpa	.15	.35
COBÆA SCANDENS	.15	.40
CYCLAMENS GIGANTEUM, in colors...100 seeds $0.75		
LOBELIA, Crystal Palace Compacta	.25	1.25
MYOSOTIS, Dwarf Victoria	.25	.80
RESEDA, Machet	.10	.25
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SWEET PEAS, forcing varieties.....Per lb., $0.75		
VERBENAS, Elliott's Mammoth	.25	1.00
VINCAS, in colors	.15	.50
MUSHROOM SPAWN, English....Per 100 lbs., $7.00		
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SPHAGNUM MOSS .....Per bale 2.00		
SCOTCH SOOT .....Per 100 lbs. 3.50		

WM. ELLIOTT & SONS
42 Vesey St., NEW YORK

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To Our Florist Friends

FILL UP THE GAPS
with
GLADIOLI

(The Flower that is just coming into its own)

PLANTED NOW where Carnations have missed, you will have a profitable crop

Leading Varieties That Are Winners

	Per 1000
AMERICA, flesh pink	**$35.00**
ATTRACTION, crimson with white throat...	**30.00**
EASTER, white, lemon tinge	**12.00**
SHAKESPEARE, white, suffused carmine...	**50.00**

8% discount for cash with order

Our **White** and **Light Mixed** are equal to **any** in the world at **any price**

Write us for prices if your dealer does not carry our stock, which is noted for **superior merit.** We believe that we are the largest growers of **Gladioli** in the world.

JOHN LEWIS CHILDS, Floral Park, N.Y.

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Sweet Peas

We carry **in stock** all the **LEADING** and **UP-TO-DATE VARIETIES,** and have **MANY TESTIMONIALS as to QUALITY** and **TRUENESS of TYPE.** Catalogues Free.

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Our stock of these bulbs are the best and finest strains in existence; we have been supplying the same customers for the past ten years with our strains, and adding new customers each year.

BEGONIAS

SINGLE

Scarlet, 1¼ to 1½ in., Dark Red, Pink, Rose, White, Yellow, Orange, Salmon, Mixed — **40c. per doz.** **$2.50 per 100**

DOUBLE

White, Yellow, Orange, Rose, Dark Rose, Dark Red, Red, Salmon, Mixed — **65c. per doz.** **$5.00 per 100**

GLOXINIAS—S. & W. Co.'s Superb Strain

	Doz.	100
Emperor Frederick, red, bordered white	$0.75	$5.00
Emperor William, violet, bordered white	.75	5.00
Princess Elizabeth, white, bordered blue	.75	5.00
Mont Blanc, pure white	.75	5.00
Violacea, dark violet	.75	5.00
Madame Helene, white, crowned violet	.75	5.00
Princess Mathilda, white, bordered rose	$0.75	$5.00
Queen Victoria, dark rose	.75	5.00
Defiance, scarlet	.85	6.00
King of the Reds, deep scarlet	.85	6.00
Prince Albert, dark violet	.85	6.00
Finest Mixed	.60	4.00

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Dreer's Double Petunias

Our **DOUBLE PETUNIAS,** for more than half a century, have been the acknowledged standard. The strain this season is equal in high quality to its predecessors, and is well known to the trade.

We offer fifteen distinct varieties, in strong 3-in. pots, which will quickly furnish an abundance of cuttings.

Strong 3-inch pots, 75 cts. per doz., $6.00 per 100. The set of 15 for $1.00.

SEED OF OUR

Superb Strain of Fringed Petunias

DOUBLE, 75 cts. per 500 seeds, $1.50 per 1000 Seeds.
SINGLE, 50 cts. per trade pkt., $1.00 per 1-16 oz., $1.50 per 1-8 oz.

OUR QUARTERLY WHOLESALE PRICE LIST, issued January 1st., offers a full line of seasonable Plants, Seeds and Bulbs.

HENRY A. DREER, Philadelphia, Pa.

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ASPARAGUS and RHUBARB ROOTS For Winter Forcing

MAMMOTH CLUMPS—Ready to Force

ASPARAGUS

$1.00 per dozen
$6.00 per 100
$50.00 per 1000

RHUBARB ROOTS

$1.75 per dozen
$10.00 per 100

Special quotation on quantity

BEGONIA and GLOXINIA BULBS ready. Write for prices.
Send for our Florists' and Market Gardeners' Catalogues—just issued.

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Seasonable Seeds

CALADIUM esculentum, Fancy Caladium from Brazil. GLADIOLI, all sorts. Japan IRIS. Japan LILIES. Double-flowering CHERRIES for Easter. Send for our new Spring list. Ready by January 10.

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EVERY FLORIST WHO GROWS ASTERS

Should Send for Our Aster Book Immediately

Get your name on our files for our regular **Florists' Wholesale Catalogue.** These books are free.

JAMES VICK'S SONS
ROCHESTER, N. Y.
Mention this paper

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Vegetable Seeds
FOR FORCING

Stokes' Standards are Always the Finest Strains

Tomato, Bonny Best Early, the finest tomato for forcing known; better than the Comet or Lorillard. Seed specially saved for greenhouse growing. Pkt., 20c.; ½ oz., 75c.; oz., $1.25.
Radish, Prussian Globe, ¼ lb., 20c.; lb., 60c.
Radish, Stokes' Scarlet Globe, ¼ lb., 20c., 1 lb., 50c.
Lettuce, Grand Rapids Forcing, oz., 10c.; ¼ lb., 35c.; lb., $1.25.
Lettuce, Stokes' Big Boston, oz., 10c.; ¼ lb., 35c.; lb., $1.25.
Add postage, 8c. per lb., if wanted by mail.

Let me estimate on your Spring requirements for vegetable seeds.

Stokes' Seed Store
219 Market St., Philadelphia, Pa.

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Try The Following

CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
PANSY—"Burnett's Gorgeous Strain"
STOCKS—"Burnett's Perpetual White."
CAULIFLOWER—Burnett's Selected "Snowball."

Write for our Illustrated Catalogue

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

CABBAGE

Wakefield and Succession, $1.00 per 1000, $8.50 per 10,000.
PARSLEY, 25c. per 100, $1.25 per 1000.
LETTUCE, Big Boston, Boston Market and Grand Rapids, $1.00 per 1000 Cash with order.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Stock Seed
Fiske's Branching in all colors. Tr. pkt. 40c., oz. $4.00.
Pure White, tr. pkt 50c., oz. $5.00.
Also **Beauty of Nice** strains.
H. E. FISKE SEED CO., Boston, Mass.

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ONION SEED==ONION SETS

We are large growers of and dealers in Onion Seed and Onion Sets.
Write for prices on 1909 crop.
Can also quote contract prices for the 1910 Onion Seed crop.

SCHILDER BROS., Chillicothe, O.

Please mention the Exchange when writing.

MICHELL'S SEEDS GIVE RESULTS
1018 & 518 MARKET STREET.
PHILADELPHIA, PA.

Please mention the Exchange when writing.

BURPEE'S SEEDS
PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

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CAULIFLOWER CABBAGE SEED
MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR, HARTMANN & CO.
COPENHAGEN, DENMARK

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ROUTZAHN SEED CO.
Arroyo Grande, Cal.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of Full List of
Flower and Garden Seeds

Please mention the Exchange when writing.

Watch for our Trade Mark stamped on every brick of Lambert's.

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C. Trade Mark **American Spawn Co., St. Paul, Minn**

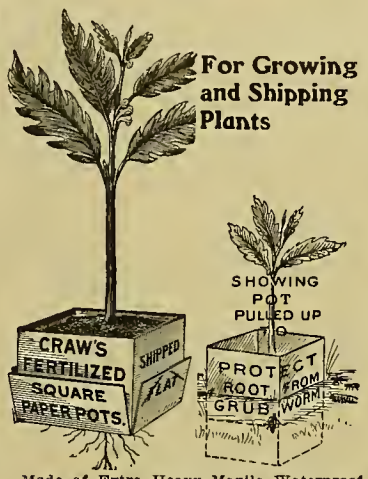
Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

GET QUOTATIONS FROM
LANDRETH SEEDS which SUCCEED
Bloomsdale Farms **Bristol, Pa.**

Please mention the Exchange when writing.

S. & W. CO.'S Fertilized Flower Pots



For Growing and Shipping Plants

Made of Extra Heavy Manila Waterproof Card Board, Fertilized, Wire Stitched Seams, Perfect Drainage and Shipped Flat.
If you grow Tomatoes or Pot Plants you cannot afford to pass over this.
These square pots economize space, give more room to the roots than the tapering round pots. In setting out plants the pots are not removed. Simply unlock the bottom flaps and turn them up (see cut), allowing the roots to grow down.

Size	Gross Weight Per 1000	250	1000
2¾ inch	....about 30 lbs.	....$1.00	$3.00
3 inch	....about 40 lbs.	.... 1.50	4.50
3½ inch	....about 50 lbs.	.... 1.75	5.50

In setting out plants unlock the bottom, pull pot up one inch and you have a wall to protect the roots against Grubs and Worms.

STUMPP & WALTER CO.
50 Barclay St., New York

Please mention the Exchange when writing.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.

Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO.
BOSTON, MASS.
SEEDS
For Florists, Market Gardeners and Critical Buyers
Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

NEW CROP
FLOWER SEED

ASPARAGUS Plumosus. Per 1000 seeds, $3.50. **Sprengeri.** Per 1000 seeds, 75c.
PETUNIA, Large Flowering Double Fringed. Trade pkt. $1.00. Single Fringed. Trade pkt. 50c. Single California Giants. 50c.
SALVIA Zurich. Oz. $5.00. **Triumph.** Oz. $5.00.
MOONFLOWER. White seed, 35c.
Fresh Tobacco Stems. Bale of 300 lbs. $1.75; ton, $9.00.

W. C. BECKERT
SEEDSMAN
103 Federal St., N. S., Pittsburg

Please mention the Exchange when writing.

WARD'S LILY BULBS

"NOT HOW CHEAP— BUT HOW GOOD"

RALPH M. WARD & CO.
12 West Broadway—New York

Please mention the Exchange when writing.

AMERICAN SEED TRADE ASSOCIATION

President J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec. Leonard H. Vaughan Chicago.

We look for the year 1910 to be the greatest in the annals of the American Seed Trade. Those who make the greatest efforts (which includes advertising in all its forms, both wholesale and retail) are likely to be most benefited.

IMPORTS OF SEEDS ETC.—Jan. 2 and 3.—R. G. Goodwin's Sons, 83 bags seed; Tice & Lynch, 64 pounds seed; Maltus & Ware, 42 cases Lily of the Valley pips. Jan. 4.—H. F. Darrow, 1 case trees; A. Hollander & Co., 4 cases plants; Wakem & McLaughlin, 7 cases trees; F. B. Vandegrift & Co., 19 cases Palm seed. Jan. 5.—Perk & Velsor, 20 barrels roots; F. B. Vandegrift & Co., 1 case seeds, 1 case bulbs, 14 cases shrubs; G. W. Sheldon, 2 cases bulbs; Hussa & Co., 4 cases plants. Jan. 7.—H. F. Darrow, 15 packages seeds; L. Dupuy, 10 cases plants; H. F. Darrow, 59 cases plants; McHutchison & Co., 115 cases plants; A. Rolker & Sons, 8 cases plants. Jan. 8 and 9.—P. Henderson & Co., 1 package seed; McHutchison & Co., 91 cases Lily of the Valley pips; J. M. Thorburn & Co., 2 cases seeds; Vaughan's Seed Store, 108 cases roots; Dodge & Olcott Co., 43 packages roots.

European Notes

The most unfortunate year of the twentieth century has expired in a fit of passionate weeping, and the new year has been ushered in under the gloomiest circumstances imaginable. There is, absolutely, not a rift in the clouds, yet, buoyed up with the "hope that springs eternal in the human," we are cheerily greeting each other with the good old wish for "A happy New Year." Where the happiness is to come from it is difficult to say at present but as drowning men catch at straws so do we, feeling that nothing can ever be so disastrous again, look forward with a vague belief in better things in store.

With ever accumulating evidences of last season's disaster around us this is apparently a very insecure foundation for our faith but, anyway, it is no use crying over spilled milk.

Our disappointments are the harder to bear when we are compelled to decline orders at most unheard of prices from all parts of the globe. The trade depression is passing away, confidence is being gradually but surely restored, the money market is easier and every one wants to share in the new era of prosperity, but, where are the goods? And echo answers

Boddington's Quality Flower Seeds for Florists

SELECTED SEEDS, SUCCESSFULLY SOWN, SECURE SURE, SAFE AND SERVICEABLE SATISFACTION.

Remember you may deduct 5 per cent. if cash accompanies order.

AGERATUM

	Trade pkt.	Oz.
Mexicanum album	$0.10	$0.20
Blue Perfection	.15	.50
Imperial Dwarf Blue	.10	.25
Imperial Dwarf White	.10	.25
Little Dorrit	.15	.50
Swanley Blue	.10	.25

Little Blue Star, trade pkt. 25c., 6 pkts. for $1.00.

BODDINGTON'S MAUVE BEAUTY

Large Mauve flowers; dwarf compact, very free-flowering. A unique variety. Trade pkt. 10c., oz. 50c.

ALYSSUM

White Gem

A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. $1.00.

	Trade pkt.	Oz.	Lb.
Little Gem, dwarf, best for pots	$0.10	$0.30	$3.50
Carpet of Snow, for hanging baskets and borders	.10	.25	
Sweet (the old variety)	.10	.15	1.25

ASTERS

BODDINGTON'S Asters are famous. Write for catalogue of other varieties and prices.

QUEEN OF THE MARKET ASTERS

Boddington's Extra-Early

	Trade pkt.	Oz.
Pink	$0.15	$0.60
White	.15	.60
Light Blue	.15	.60
Dark Blue	.15	.60
Crimson	.15	.60
Rose	.15	.60
Flesh-Color	.15	.60
Light Rose	.15	.60
Scarlet	.15	.60
Red-Lilac	.15	.60
Finest Mixed	.15	.60

BODDINGTON'S GIANT ANTIRRHINUM

(Height, 3 Feet)

	Trade pkt.	Oz.
Coral-Red. Striking color	$0.20	$0.60
Carmine. Splendid color	.20	.60
Daybreak. Light pink	.20	.60
Brilliant. Scarlet, golden yellow and white	.20	.60
Crescia. Dark scarlet	.20	.60
Queen Victoria. Pure white	.25	1.00
Luteum. Yellow	.20	.60
Firefly. Scarlet	.20	.60
Romeo. Deep rose	.20	.60
Lilacinum. Beautiful lilac	.20	.60
Mixed	.20	.50

BRANCHING ASTERS

Vick's Branching

	Trade pkt.	¼ oz.	Oz.
Crimson	$0.25	$0.35	$1.00
White	.25	.35	1.00
Purple	.25	.35	1.00
Violet	.25	.35	1.00
Rose	.25	.35	1.00

Carlson's Branching

	Trade pkt.	¼ oz.	Oz.
Lavender	$0.25	$0.35	$1.00

Semple's Branching

	Trade pkt.	¼ oz.	Oz.
Shell-Pink	$0.25	$0.35	$1.00
Upright White	.25	.35	1.00

Trade pkt each of the collection of 8 varieties for $1.75.

BEGONIA

	Trade pkt.
Erfordii. Carmine, ⅛ oz., $1.00	$0.25
Semperflorens	.25
Vernon grandiflora, ½ ft. A fine bedding sort, with rich red flowers and glossy bronze-red foliage	.25

CINERARIA

Cineraria maritima. 1½ ft. Trade pkt. 10c., oz. 15c.

Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated. Trade pkt. 50c., $2.00 per oz.

CENTAUREA

	Oz.
Candidissima, 1000 seeds, 25c.	$1.00
Gymnocarpa, 1000 seeds, 15c.	.35

GREVILLEA ROBUSTA

	Trade pkt.	Oz.
(Silk Oak)	$0.10	$0.50

COBAEA

	Trade pkt.	Oz.
Scandens. H. P. Blue	$0.10	$0.30
Alba. White	.20	.75

LOBELIA

	Trade pkt.	Oz.
Erinus gracilis. Trailing; light blue	$0.15	$0.50
Erinus speciosa. Deep blue; trailing	.15	.50
Crystal Palace compacta	.30	1.60
Emperor William compacta	.25	1.25

MIGNONETTE

Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select spikes under glass. ½ trade pkt. 60c., trade pkt. $1.00.

MYOSOTIS

	Trade pkt.	Oz.
Eliza Fonrobert, excellent for pots, blue	$0.15	$0.60
Palustris Semperflorens, ever-blooming	.25	1.50

PETUNIAS

Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. ½ trade pkt. about 1000 seeds 60c., trade pkt. about 2000 seeds $1.00.

Boddington's Snowball, Double. The finest double; pure white, ½ trade pkt. 60c., trade pkt. $1.00.

BODDINGTON'S CENTURY PRIZE

Gigantic single flowers having the edges deeply ruffled or fluted; fine substance, with deep white throats. Colors vary from pure white to dark purple-violet, many being beautifully striped or veined. ½ trade pkt., about 1000 seeds 60c., trade pkt. about 2000 seeds $1.00.

	Trade pkt.
Boddington's Bar Harbor Beauty, Single. Color a beautiful rose	$0.25
Boddington's Ruffled Giants. A grand selection of single fringed Petunias	.50
Boddington's Inimitable Dwarf Compact Bybrids, Single. Flowers blotched and striped	.25

PETUNIAS—Continued

	Trade pkt.
Canary Bird. Medium size, finely fringed and curled borders; distinct yellow, which deepens in the throat. 6 pkts. $1.00	$0.25
Emperor. Single. Large blossoms, distinct in form coloring and marking. The solid colors are particularly rich and velvety, some of the crimson blossoms have pink stars, some pure white, while others are distinctly striped	.50
Howard's Star. Rich crimson, with a distinct white star in center	.25
Rosy Morn. Soft carmine pink	.25
Snowstorm. Pure single white	.25
Hybrida, Single Mixed, oz. 50c.	.15

PYRETHRUM

	Trade pkt.	Oz.
Aureum. (Golden Feather)	$0.10	$0.25
Selaginoides. Foliage fine serrated	.15	.50

SHAMROCK

	Trade pkt.	Oz.
(True Irish). Small-leaved	$0.25	$1.50

SALVIA

	Trade pkt.	Oz.
Clara Bedman (Bonfire). 1½ feet	$0.25	$2.00
Splendens (Scarlet Sage)	.25	1.00
Splendens. Ball of Fire. Very dwarf and early	.25	3.50
Splendens, Little Lord Fauntleroy. Neat and compact, upright and free-flowering	.50	4.00
Splendens aucubaefolia (Silver-spot). Dark green leaves, with light sulphur spots, resembling an aucuba, bright scarlet flower	.25	2.50
Splendens carminea (new). Splendid rose carmine Dwarf	.50	
Splendens gigantea. Attains the enormous height of 7 feet, highly recommended for groups or as an individual specimen	.50	
Splendens pendula. Drooping spikes	.25	2.00
Splendens, Boddington's Miniature. Early, dwarf, 12 in. and very free-flowering; covered the whole Summer with large flower spikes of rich scarlet	.50	
Splendens, Zurich	.50	6.00

QUALITY VERBENAS

	Trade pkt.	Oz.
Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed	$0.25	$1.00
Boddington's Mammoth Auricula-flowered. Large flowers with distinct white eye	.25	1.00
Boddington's Mammoth Blue	.25	1.00
Boddington's Mammoth Pink	.25	1.00
Boddington's Mammoth Scarlet Defiance. The finest scarlet sort	.25	1.00
Boddington's White (Candidissima). Pure white	.25	1.00
Boddington's Striped. Many colors	.25	1.00
Lemon (Aloysia citriodora)	.25	2.00

VINCA

	Trade pkt.	Oz.
Alba. White	$0.15	$0.50
Rosea. Rose	.15	.50
Rosea alba. Rose and white	.15	.50
Mixed	.10	.40

We are headquarters for Sweet Peas of every description. Our Wholesale Catalogue of Quality Seeds and Bulbs (ready January 1st), contains 52 pages of Seeds and Bulbs you need. Write for it today—a postcard will fetch it.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street NEW YORK CITY

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY
Please mention the Exchange when writing

WINTER FLOWERING SWEET PEAS
ALL COLORS
SEND FOR LIST
ANTON C. ZVOLANEK, Bound Brook, N. J.
Please mention the Exchange when writing.

FAMOUS ASTER
LADY ROOSEVELT
Gorgeous Pink, 20 to 40 inch stems, scientifically grown and separated seed. Oz. $5.00, ¼ oz. $3.00, trial pkt. 50c.
Aster Seed in mixture, best colors, and ¼ Roosevelt. Oz. $1.00.
GLEN MAWR SEED FARMS, Kinzers, Pa.
Please mention the Exchange when writing.

F. E. Best Advertising Medium—Alive and Up-to-date

Prices Advertised in these Columns are for THE TRADE ONLY

where? If filling up orders do not amount to more than 10% of those received last year every store will be cleaned out long before stock taking time arrives, with the result that no early deliveries will be possible next season.

Another most disquieting sign is the temper and attitude of the growers, particularly in France. Reference has already been made to the dishonest practice of certain dealers, or agents, in connection with some of the smaller growers. Every effort has been made to trace these transactions with a view to criminal prosecution, but thus far we have not been successful. We have, however, the satisfaction of knowing that the knowledge of this watchfulness on our part has checked any extension of the practice, and today growers whose honesty has been in the balance, are advising us that their crops are now ready for delivery, that is to say such parts of them as have not already been disposed of elsewhere. Truly we have to be thankful for very small mercies.

By the way, the statement about cleaned out warehouses needs one qualification, and it is in reference to the colored varieties of Onion. The crops of these are even larger than last reported by me and many tons of the yellow Strasburg can be bad for a very moderate price. The crops of those popular English sorts, Ailsa Craig, Banbury Cross and Cranstone's Excelsior, are also well above the average; purchasers would no doubt obtain them on favorable terms. Mention should also be made of Leek, but the heavy surplus of this article is due to heavy stocks carried over from last year.

The outlook for next season is far from agreeable. Just how far the growing plants will survive the trying ordeal of the present Winter it is not possible to foretell. One thing is certain at any rate and that is that while the growers remain in their present mood no half crops will be allowed to stand unless the dealer is prepared to take the entire risk on his own shoulders and pay any fixed sum the grower may demand.

EUROPEAN SEEDS.

American Notes

Just Before the Season

January is always a month of great activity with the seed trade preparing for the season that is so soon to open. Immediate sales of seeds, outside of the so-called forcing seeds, are not large at this time, but just as soon as the catalogs are well in customers' hands orders will gradually commence to be placed. On the average the seed catalogs will be somewhat later in their distribution this season than usual, owing to the very short and uncertain supplies of seeds, in so many cases, which prevented the customary early establishing of values. Then again, the seed shipments from Europe will be behind the usual time in arriving, owing to the continued unfavorable weather prevailing during harvesting, which has much delayed getting seed in proper condition for delivery. Taking everything together the seed selling season will start later than customary this year.

Spring Bulbs

It will be remembered that last season the whole list of what are known as Spring bulbs enjoyed larger sales than ever before. So great in fact was the demand for the better varieties of Cannas, Gladiolus, Dahlias, and other favorites, that long before the planting time was over many dealers were entirely out of stock. Large as were the sales in this direction a year ago, there can be no question but that still larger quantities will be needed to supply the demand that is sure to come just as soon as the season opens. Cannas bid fair to be in enormous demand; and no wonder they are so popular, as the display that can be made for a very small expenditure of money is very great to the customer. In Dahlias the Peony-flowered sorts will have a large sale; this is the new type of this splendid decorative plant that has, during the past season especially, created such a real sensation in Europe. The blooms are immense in size and borne on long stems. Every dealer should have some of these new things in Dahlias for his customers. The newer sorts of Gladiolus will also be good sellers. Every dealer should supply himself well with Spring bulbs, as their sales can easily be made very large, and they yield a good profit.

Cosmos Lady Lenox

This new Cosmos—a novelty of 1908—has proved itself to be one of the many flower seed introductions of suffi-

CHOICE GERMAN
FLOWER SEEDS
Catalogue free on application
Stamp letters 5 cents; foreign post cards 2 cents
FREDERICK ROEMER,
Seed Grower Quedlinburg, Germany

Please mention the Exchange when writing.

Thorburn's Bulbs
LILY OF THE VALLEY
Pips just arrived.
Our usual high grade quality. Also cold storage pips. Prices on Application.
J. M. THORBURN & CO., 33 Barclay St. New York

Please mention the Exchange when writing.

LILIUM TENUIFOLIUM
LILIUM WALLACEI
Single and Double TIGERS
Named Varieties of Elegans
GERMAN IRIS
DELPHINIUM FORMOSUM
E. S. MILLER
WADING RIVER, LONG ISLAND, N.Y.

Please mention the Exchange when writing.

Peacock's
PEERLESS DAHLIAS
FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.
PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS
We are growers of the very best, have a large collection to select from. Send for prices.
DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

CANNAS 500,000 roots for Fall delivery in 100 leading kinds, $5.00 to $20.00 per 1000. Write for our list.
SHELLROAD GREENHOUSES, Grange, Baltimore, Md.
Largest Canna Growers in America.
Please mention the Exchange when writing.

cient merit to take its place with the recognized standard varieties. The Lady Lenox Cosmos is a very fine novelty and will enjoy much larger sales the coming season than ever, as now the seed can be sold for ten cents a packet. While it was higher priced its sales were naturally restricted. This beautiful Cosmos has succeeded in all soils and locations; in size it is four to five inches in diameter, which makes it about three times the size of the common varieties. In color it is a shell-pink, and is most beautiful under artificial light. In form the individual flowers are perfectly circular; and very strong and long are the stems. This new Cosmos is especially desirable as a flower seed specialty, as no annual at the present time, outside, perhaps, of Sweet Peas and Nasturtiums, is more popular than the family to which it belongs. V.

John Saxe, senior member of the well-known firm of Saxe & Floto, Waterbury, Conn., has recently undergone an operation for appendicitis and his speedy recovery is earnestly hoped for.

J. BOLGIANO & SON
WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS
BALTIMORE, MD.

New York Seed Trade Notes

It has been a cold Winterish week. As far as trade goes little is doing, but it will not be long now before the catalogs start the early buyers. All our seedsmen are striving to finish the seed packaging just as soon as possible. The rush of another seed selling season will soon be here.

The Climax Manufacturing Co. of Castorland, New York, have very recently opened an office in this city for the sale of their florists' cut flower boxes at 20 East 42d st., with U. C. Hirschey in charge. The sales of the boxes made by the company have very largely increased lately in this city and vicinity, with the result that it became absolutely necessary to have headquarters here.

It is a curious fact that green is the prevailing color of the covers of many of the New York seedsmens' catalogs.

At Boddington's the final preparations for the coming season are being very actively pushed. The catalogs of the house, both wholesale and retail, have been mailed and orders are already commencing to come in. This house has made every effort to make the coming season by far the largest in its history, and everything seems to point that way.

W. A. Sperling of the Stumpp & Walter Co., has just returned from an extended business trip through the South and Southwest. Mr. Sperling reports trade conditions as very encouraging; in fact, much improved over a year ago.

W. H. Grenell of Pierrepont Manor, N. Y., was among the week's visitors. Mr. Grenell confirms the repeated reports that with each succeeding year it is becoming more and more difficult to persuade good farmers to plant acreages of Beans and Peas for seed purposes—that is, at prevailing rates.

William J. Fosgate of Santa Clara, California, was also here this week. Mr. Fosgate is making his annual Eastern trip among the customers for whom he grows seeds.

The Aphine Manufacturing Co. of Madison, N. J., has arranged for a public test of their new insecticide Aphine, to be held at the Boston Flower Market, Boston, Mass., on Saturday, Jan. 22.

Charles Loechner of the Yokohama Nursery Co., who is in the Norwegian Hospital, Brooklyn, suffering with a broken leg is doing nicely, the bone having been satisfactorily set.

Harry van Koolbergen, of Koolbergen & Sliedrecht, nurserymen, Boskoop, Holland, left Liverpool on the S. S. Lusitania, Jan. 8, for his usual business trip in this country. Mr. Koolbergen's address is care of Maltus & Ware, 14 Stone st., New York.

Philadelphia Seed Trade

The newspapers of the East have given publicity enough to an unfortunate occurence in the Robert Buist family, therefore reference in these columns is unnecessary. We do, however, offer our sincere sympathy and trust the matter will soon be cleared up.

There is some activity in the different stores in the demand for all kinds of florists' seeds, and the issuing of the many new catalogs is now in full blast. These catalogs have been described at length in our columns and, on the whole, reflect great credit on those having their make-up in charge.

The Moore Seed Co. has been receiving large shipments of seeds from the West, from contract growers.

The Johnson Seed Co. is busy handling Mushroom spawn, Asparagus roots, and Rhubarb roots for forcing under benches in greenhouses. These should prove a popular means of increasing revenue among the florists, as there is no doubt a market for such products all the time.

Michell's lower store at 518 Market st. has a fine display of many kinds of poultry foods and necessities, in which a large business is being done. At the other store, 1018 Market st., plant and flower seeds for florists are being sought continuously, especially Asparagus plumosus nanus seeds, of which it has a fine supply. New Crop Asters, variety Queen of the Market, is also another of the specialties for which this house is noted.

Direct Importations
AT FOREIGN GROWERS' PRICES
From BELGIUM From HOLLAND Palms, Araucarias, Bay Trees, Azalea Indica, etc. Boxwood, Rhododendrons, pot grown Shrubs for forcing, etc., etc.
From GERMANY Valley Pips. Early or late forcing.
From ENGLAND English Manetti selected for grafting.
From JAPAN Lilium Longiflorum Giganteum, Multiflorum, etc.
Full list of Japanese, Holland, English and French Nursery Stock
Write for catalogues, special lists, etc., mentioning the class of stock you are interested in.
RAFFIA 5 grades. Bale lots only.
Our business is import and wholesale only. Don't write unless you use sufficient to make direct separate importations
McHUTCHISON & CO.
17 MURRAY STREET NEW YORK

FRESH MUSHROOM SPAWN
ENGLISH AND AMERICAN
VAUGHAN'S SEED STORE
CHICAGO 84 Randolph Street
NEW YORK 25 Barclay Street

Please mention the Exchange when writing.

NEW CROP
Flower and Vegetable Seeds
FOR FORCING
Lobelia Crystal Palace Compacta. Salvia Splendens and Bonfire. Centaurea Gymnocarpa. Begonia Vernon. Cobaea Scandens. Dracaena Indivisa. Mignonette, New York Market. Primula Chinensis. Schizanthus Wisetonensis.
Tomato "The Don." Onion "Alisa Craig."
Mushroom Spawn, English and Pure Culture.
Special prices on application.
WEEBER & DON, Seed Merchants & Growers 114 Chambers St., N. Y.

Please mention the Exchange when writing.

XXX SEEDS
SALVIA, Wm. Pfitzer, extra fine, dwarf, very fiery red. Trade pkt. 25c.
ALYSSUM COMPACTUM, most dwarf and compact variety grown, perfect balls when grown in pots, pkt. 20c.
PETUNIA STAR, improved, finest marked flowers, very fine, pkt. 20c.
PETUNIA, GIANT, single fringed large and fine, pkt. 20c.
PHLOX DRUM. PUMILA, very dwarf, grand for pots, fine color, pkt. 20c.
CHINESE PRIMROSE, finest grown, single and double, mixed, 500 seeds, $1.00; ½ pkt. 50c.
PRIMULA KEWENSIS, the grand new sweet-scented yellow Primrose, pkt. 20c.
CINERARIA, large-flowering, dwarf, mixed, 1000 seeds, 50c.; ½ pkt. 25c.
CYCLAMEN GIGANTEUM, finest giants, mixed, 200 seeds, $1.00; ½ pkt. 50c.
GIANT PANSY, finest grown, critically selected, 6000 seeds, $1.00; ½ pkt. 50c.; oz. $2.50.
COLEUS, New Hybrids, fine colors, pkt. 20c.
VERBENA, Improved Mammoth, finest giants grown, mixed or separate of white, scarlet, pink, striped and auricula-eyed. Large trade pkt. 25c.
IRISH SHAMROCK
THE REAL THING! GREEN.
Very fine and strong; ready for immediate shipment; perfect beauties. Per 100 $4.00, 50c. per doz. postpaid.
CASH. Liberal extra count.
JOHN F. RUPP, Shiremanstown, Pa.
RUPPTON: The Home of Primroses
Please mention the Exchange when writing.

RAWSON'S WINTER STOCKS
Are all of exclusive, superior quality and are renowned throughout the country.
RAWSON'S FLOWER MARKET STOCK, a cut-come-again strain with enormous flowers on long spikes in the following colors:

	½ oz.	Oz.		½ oz.	Oz.
Brilliant Crimson	$0.60	$4.00	Dark Blood Red	$0.60	$4.00
Canary Yellow	.60	4.00	Flesh Color	.60	4.00
Dark Blue	.60	4.00	Light Blue	.60	4.00
			Rose	.60	4.00
			And PURE WHITE	.75	5.00
			All Colors Mixed	.60	4.00

OUR "NICE" STRAINS

Beauty of Nice, soft pink	.50	3.50
Queen of Alexandria, delicate lavender	.75	6.00
Blanche Superb, pure white	.50	3.00

W. W. RAWSON & CO. Arlington Tested Seeds BOSTON, MASS.
W. W. RAWSON & COMPANY
SEEDSMEN, BOSTON, MASS.

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WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

Johnson's
TESTED AND PROVEN
SEEDS
PHILADELPHIA, PA.
Stand for Purity and Quality. The result of 37 years' experience in testing, and proving the best. Our GARDEN AND FARM MANUAL for 1910 tells all about them. Mailed free to seed buyers who write for it.
JOHNSON SEED COMPANY,
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SEED by the oz. or lb. **PANSIES** PLANTS 150,000
The Jennings Strain, fine field-grown plants, large-flowering, in great variety of fancy colors. Strong plants for cold frames, $3.00 per 1000, by express, 50c. per 100 by mail.
PANSY SEED, finest mixed, $5.00 per oz., $1.00 per pkt. of 4000 seeds. Sample of Pansy blooms by mail free.
SALVIA, Splendens and Bonfire. My Own Growing. Trade pkts. 25c. and 50c. each.
E. B. JENNINGS, Lock Box 254 Southport, Conn.
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Michell's New Crop Flower Seeds

Asparagus Plumosus Nanus

We Are Headquarters, Greenhouse Grown Seed, Extra Quality

100 Seeds	$0.50
500 "	2.00
1000 "	3.50
5000 "	16.00
10,000 "	30.00
25,000 "	70.00

Write for Our Handy Flower Seed Order Sheet

PETUNIA

California Giants, extra large flowers of the brightest colors, 1-16 oz. $2.00, tr. pkt. 50c.

Grandiflora Fringed, choicest mottled and striped, 1-16 oz. $2.00, tr. pkt. 50c.

Double Hybridized and Fringed, mixed. Per 500 seeds 75c., $1.50 per 1000 seeds.

PYRETHRUM

	Tr. pkt.	Oz.
Aureum (Golden Feather)	$0.10	$0.25

SALVIA

Ball of Fire	.50	3 75
Bonfire	.40	2.25
Splendens	.25	1.25
Zurich, extra early bloomer	.50	5.00

VERBENA MICHELL'S MAMMOTH FANCY STRAIN

Unexcelled for large size, purity of colors and free flowering qualities.

	Tr. Pkt.	Oz.
Blue	$0.30	$1.25
Pink	.30	1.25
Scarlet	.30	1.25
Striped	.30	1.25
White	.30	1.25
Mixed	.30	1.00

VINCA

Alba. White with rose center	.15	.50
Alba Pura. Pure white	.15	.50
Rosea. Pink	.15	.50
Mixed	.15	.40

Also all other flower seeds

Henry F. Michell Co., 10th and Market Sts., Philadelphia, Pa.

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Forcing Gladiolus

Many florists plant these in boxes, or among their carnations, in the Winter. They are excellent for decorative purposes and realize good prices, either wholesale or retail. Gladiolus are a good catch crop and take up but little room. The following are the best for this purpose.

Gladiolus Gandavensis Hybrids

America. The flowers, which are of immense size, are of the most beautiful flesh-pink color. $3.25 per 100; $30.00 per 1000.

Shakespeare. White and rose. $4.75 per 100; $45.00 per 1000.

May. Pure white, flaked rosy crimson; the best forcer. Selected bulbs, $1.75 per 100; $15.00 per 1000.

Brenchleyensis (true). Fiery scarlet. Selected bulbs, $1.50 per 100; $13.00 per 1000. First size bulbs, $1.25 per 100; $10.00 per 1000.

Boddington's White and Light. Extra selected bulbs, 1¾ in. and up. $1.50 per 100; $14.00 per 1000.

American Hybrids. A mixture of the choicest varieties of Gladiolus in cultivation. $1.00 per 100; $9.00 per 1000.

Remember, you may deduct 5 per cent. if cash accompanies order.

ARTHUR T. BODDINGTON, Seedsman
342 West 14th Street NEW YORK CITY

Please mention the Exchange when writing.

CANNA ROOTS—CANNA ROOTS

Strong home grown, two or three eyes each, in perfect condition and strictly true to name.

	100	1000
HON. BENJ. F. HOWELL. 6 ft. The best yet. Similar to King Humbert in both flower and foliage but better. The color is more brilliant and the flowers are larger—foliage equally good in rich bronze color and make up. Now first offered	$10.00	
ALLEMANIA. 6 ft. Giant flowered; scarlet-salmon, edged yellow	2.00	
BLACK BEAUTY. 6 ft. Abundant, rich, glistening, bronzy-purple plum foliage	5.00	
COMPTE DE BOUCHARD. 4½ ft. Bright yellow and fine	2.50	$20.00
CRIMSON BEDDER. 3 ft. Bright crimson; very free and valuable	2.50	20.00
DAVID HARUM. 4 ft. Bronze foliage; bright vermilion flowers	2.50	20.00
EMILE WIELAND. 5 ft. Perhaps yields the most brilliant display of any Canna as yet produced. Vivid orange-scarlet flowers; extra fine Musa-like foliage	5.00	
FLORENCE VAUGHAN. 5 ft. Yellow much dotted with orange-scarlet	2.50	20.00
KING HUMBERT. 5 ft. Bronze foliage; enormous trusses of salmon-scarlet flowers. A grand variety	3.50	30.00
LITTLE GEM. 18 in. Orange scarlet gilt-edged flowers	5.00	
MRS. KATE GRAY. 6 ft. Orchids flowered; orange-scarlet with yellow throat	2.50	
MRS. WM. F. KASTING. 3 ft. Clear vivid crimson; early, free	3.50	
PENNSYLVANIA. 6 ft. Orchid-flowered; orange-scarlet flowers	2.50	
PRES. CARNOT. 4 ft. Bronze-leaved; orange-scarlet flowers	2.00	18.00
PRES. McKINLEY. 3 ft. Brilliant crimson with scarlet shadings	3.00	
SOUV. D'ANTOINE CROZY. 3½ ft. Bright crimson edged yellow	2.50	20.00
WEST GROVE. 3 ft. Large rich coral pink flowers	3.00	
WYOMING. 6 ft. Orchid-flowered; bronze-purple foliage, orange flowers	4.00	
YELLOW CROZY. 3½ ft. Pure yellow flowers; the best dwarf yellow	3.00	
ALL COLORS MIXED. Fine named varieties without labels	1.50	12.00

500 of a variety at 1000 rates. Packed free for cash with order.

J. T. LOVETT, - Little Silver, N. J.

Please mention the Exchange when writing.

K. van Bourgondiën & Sons
HILLEGOM—HOLLAND

Extra Dutch Bulbs Extra

We beg to inform the Trade, that our Messrs. K. H. and C. J. van Bourgondiën have again arrived for their annual trips through the United States and Canada.

It will be of the greatest advantage to every firm needing **A1 Bulbs** to correspond with us and give us a trial. Our many years of successful business in the United States, which every year has increased, clearly proves enough. Address until May 1, 1910

Care MALTUS & WARE,
K. H. van Bourgondiën, 14 Stone St, NEW YORK

Please mention the Exchange when writing.

Henry A. Dreer, Inc. is still receiving orders for Box and Bay trees for Spring delivery, the house having an exceptional stock for purchasers to select from, at its greenhouses in Riverton, N. J. The Green Mat ware handled during the recent holidays, and shipped to many parts of the country, proved a popular article, judging by the number of pieces disposed of.

The Texas Seed Trade

The past year was the driest we have had in Texas for over 20 years. In this section of the State (Dallas), we did not have a rain that wet the ground over two inches in a year. So far this Winter we have had considerable snow, which is unusual for Texas, and have also had a good deal of rain and cold weather, which has put the ground in good shape, and we will probably have a bigger trade than ever this year, on account of the fact that more people will have to buy seed.

Very few people realize the enormous quantities of seeds used in Texas. Seed houses from all over the country have men in the State every year selling seeds. Of course, we have the advantage, being located right here. We do a very large garden seed business, also handle a large quantity of field seeds. For instance, last year, for one item, we sold over 100 cars of Cane or Sorghum seed. We also have a first-class trade in poultry supplies, and as we have machinery of our own we do a nice business in poultry foods.

Enormous quantities of vegetables are shipped from Texas to the North every year, and, of course, this uses large quantities of garden seeds. In field seeds, the farmers do not try to save very much, and on this account we expect to do a large field seed business. We are very busy now getting out early orders for merchants, and our new catalog is just being issued.

TEXAS SEED & FLORAL CO.

Seed Notes from Groningen, Holland

The exceedingly unfavorable weather for seed saving the past Autumn will be held a long time in remembrance by seed growers and farmers.

Different crops of small seeds never dried enough when cut to be harvested in suitable condition; flower seed crops especially gave very bad results.

Spinach yielded only a little more than half the usual quantity; fine lots are scarce.

Radish has been grown here this Summer in large quantities, and yielded better than other garden seeds, but made too rank growth. On account of the unusually moist soil the crops matured also very late, and must be put in sheds for drying, not being in condition for immediate threshing from the fields, as the seeds would not leave the pods; contract orders must wait for delivery until after New Year. With a few exceptions Borecole yielded miserably, the crops were already very thin by winter-killing; in the growing season insects did much harm. Crop of garden Beans is doubtful, not only did they yield below a medium average but most of the Beans are covered with black spots, and so are unserviceable for sowing.

A very small quantity of Mangel seed is saved, and prices will be extraordinarily high; there is large demand for Yellow Eckendorfer, of which there is very little grown.

Some wholesale dealers have fair lots of Sugar Mangels from crop 1908 to clear, and these can easily be sold for prices far above Autumn, 1908.

The Province of Groningen becomes more and more the seed-growing district of Holland; we have the most varied soils in a short distance, from the poor sandy in Westerwolde, suited to grow Nasturtium, Phacelia, etc., up to the heavy clay soils near the Dollar, being the best seed grounds to save crops of Dactylis glomerata, Swedes and Caraway.—GERARD in the *Horticultural Advertiser*, Dec. 29, 1909.

SEDALIA, MO.—L. H. Archias of the Archias Seed Store Corp., entertained the employees of the store at a turkey dinner at his home on Quincy avenue, on New Year's Day. The dinner was thoroughly enjoyed and immediately following it the host was presented with a cut glass cream and sugar set; a gift from the guests. L. A. Kipping, vice-president of the corporation, attended the farmers' meeting and corn show at Columbia, Mo., the week ending January 1.

A New Fertilizer

The D. D. Johnson Co. of Chicago has put on the market a new fertilizer, called the Evergreen Brand, which is meeting with great approbation by all who have used it for growing plants and flowers. It is endorsed by some of the largest growers in the country who have tested its merits. One, in purchasing this brand, gets the benefit of all its properties, as it contains no "filler," and the plants consume it all. The fertilizer is odorless and sanitary in every way, and therefore a very desirable article, for all purposes. It is said to annihilate all disease germs, thus preventing rot of stem and other diseases from destroying the plants. We would call the attention of the trade to the advertisement of the fertilizer in this issue of the EXCHANGE. All the seedsmen in Chicago are handling the preparation in quantities.

Plant Culture

By GEO. W. OLIVER.

Propagator to the Bureau of Plant Industry, U. S Department of Agriculture, Washington, D. C.

New, revised and enlarged edition, fully illustrated, handsomely printed on enameled paper and bound in Vellum de Luxe cloth, 12 mo., 300 pages. Sample pages on application. Purely an American book by an American author.

The Book of Books for the Grower. Compact, concise, practical, containing all the information bearing on present day practice. You need it for yourself, for your foreman, for your men.

SPECIAL OFFER

To New Subscribers or to Subscribers Renewing: The Florists' Exchange two years and one copy of Plant Culture by mail, postpaid, $3.00.

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Positively, Plant Culture will not be sold to non-subscribers at less than $1.50 per copy.

THE FLORISTS' EXCHANGE, P.O. BOX 1607 NEW YORK

Evergreen Brand

A New Fertilizer

Specially manufactured for growing **FLOWERS, FERNS, PALMS,** etc.

It contains all the **PLANT FOOD** elements necessary to plant growth, and is compounded in proper proportion to get the best results in growing **FLOWERS** and **PLANTS.**

It removes Acid from the soil, consequently sweetens sour land and makes it productive.

It permanently enriches the soil.

It is all available.

Contains no "filler."

The plants can use it all.

Now Used by Largest Growers, With Excellent Results

JOHN W. POEHLMANN, PRES.
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1,500,000 Sq. Feet of Glass

PHONES—
GREENHOUSE: MORTON GROVE 201-202
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Poehlmann Bros. Company
GROWERS AND WHOLESALERS
Specialties
Roses, Carnations and Chrysanthemums

Store: 33-35-37 Randolph St. Chicago

Mail all Plant Orders direct to Morton Grove

Morton Grove, Ill., Oct. 6th, 1909.

Mr. D. D. Johnson

Dear Sir:-

We have used the 6 cans of Evergreen Brand Flower Fertilize shipped us Sept. 6th and noted remarkable results.

You may increase our second order of 500 to 2000 lbs. and ship soon as possible.

Yours truly,

Poehlmann Bros. Company.

Aug Poehlmann Sy

Odorless and Sanitary

It will annihilate all disease germs; thus it prevents stem rot and other diseases from destroying the plants.

The Price is Low

compared with common Fertilizers or Bone Meal, for when purchasing the **EVERGREEN BRAND** you get **PLANT FOOD,** hence eliminating the expense and handling of "filler" or "make weight" material usually found in large quantities in common Fertilizers.

It is immediately soluble in water. Can be used Dry or in Solution.

1 lb. to the 100 Square ft. of Benching

TRY IT. We have arranged to ship small quantities, as follows: Boxes containing 1, 2, 4, 6 or 8 cans each.

Cans contain 12 pounds. Price **$2.00** per can. Terms net cash with order.

Full instructions with each shipment.

For Sale by All Leading Jobbers

D. D. Johnson Company

Manufacturers

66 Wabash Ave., CHICAGO

BABY RAMBLER ROSES

BABY DOROTHY. The best yet. Color deep pink, fine form, a profuse bloomer. Strong field-grown plants, $25.00 per 100; 4-in. pots, in bloom, $15.00 per 100.
BABY CRIMSON (Mad. Norbert Levavasseur) Strong field-grown, $15.00 per 100; 4-in. pots, in bloom. $12.00 per 100.

The New England Nurseries, Inc.
BEDFORD, MASS.

Please mention the Exchange when writing.

P. OUWERKERK
216 Jane Street
WEEHAWKEN HEIGHTS, N. J.
P. O. No. 1, Hoboken, N. J.
Just Received From Our Holland Nurseries
Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.
PRICES MODERATE

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VAN DER WEIJDEN & CO. Wholesale Nurseries Boskoop, Holland
(Proprietor, D. G. WIEGAND BRUSS) offer:
BLUE SPRUCE (Koster's), all sizes; BOXWOOD pyramida, 4½-6 feet; RHODODENDRONS, CLEMATIS, AZALEA MOLLIS; ROSES (at a bargain), all best varieties. TAXUS HIBERNICA, 2-6 feet. Specimens, etc., etc.
Ask special quotations on all your wants. Catalogues free on demand.
WE DEAL WITH THE WHOLESALE TRADE ONLY

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August Haerens
Somergem, Belgium
Special grower of High-Grade and new AZALEAS, KENTIAS, ARAUCARIAS, BAYS, etc.
August Rolker & Sons, 61 Barclay St., New York, American Agts

Please mention the Exchange when writing.

KOSTER & CO.
HOLLANDIA NURSERIES
Boskoop, Holland.
Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.
Catalogue free on demand.

Please mention the Exchange when writing.

ALMA NURSERIES, Oudenbosch, Holland
NURSERIES AT OUDENBOSCH AND BOSKOOP
Proprietors { U. J. Heerma Van Vose, H. A. M. Swellengrebel.
Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.
Large stock of Ornamental Trees and Shrubs, Conifers, Evergreens, etc. First-class stock only. Prices reasonable. Sole American Agent:
J. MEERKAMP VAN EMBDEN, JR. Mount Vernon, N. Y.
Ask for our General Catalogue and special offer.

Please mention the Exchange when writing.

NORTHERN GROWN NURSERY STOCK
We Grow a General Assortment of
Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.
Prices Reasonable. Wholesale Trade List for the Asking
THE BAY STATE NURSERIES, North Abington, Mass

Please mention the Exchange when writing.

STOCK FOR FLORISTS
ROSES for forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff
CLEMATIS, AMPELOPSIS, TREE HYDRANGEAS and LILACS, SHRUBS, VINES and PERENNIALS. Write for prices.
Jackson & Perkins Co., Newark, (Near Rochester) New York
Nurserymen and Florists—Wholesale only. Use printed stationery.

Please mention the Exchange when writing.

50,000 CALIFORNIA PRIVET
Fine 1-year-old stock.
18 to 24 in., $2.00 per 100, $15.00 per 1000
24 to 30 in., 2.50 per 100, 20.00 per 1000
Special prices in 5000 lots to dealers, all No. 1 stock.
5,000 extra strong AMPELOPSIS VEITCHII. Field grown vines, live tops and roots, now in cellar. $4.00 per 100, 500 at $3.50 per 100.
P. S. 25,000 Canna Roots.
BENJ. CONNELL, Florist, Merchantville, N. J.

Please mention the Exchange when writing.

GRAFTED ROSES
EDWARD J. TAYLOR,
GREEN'S FARMS, CONN.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

For more than fifteen years, I have made a specialty of growing Privet. My stock is of the very finest quality—in fact, the best I have ever offered. This Privet will please you in every respect. I have a very large quantity, and can take care of all orders. Let me quote you prices before you order.
C. A. BENNETT, Box 62, Robbinsville, N. J.

Please mention the Exchange when writing.

CALIFORNIA PRIVET
600,000 2-yr. plants, with 12 to 20 branches; have been transplanted once and cut back 2 yrs.; $4.00 per 100, $37.50 per 1000, packed. Will make a good close hedge at once. 500,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr.; $3.00 per 100, $27.50 per 1000, packed. 1-yr. plants 12 to 18 in., well branched, $2.00 per 100, $17.50 per 1000, packed. 500 at 1000 rates. Cash with order.
JOHN BENNETT, Atlantic Highlands, N. J.

Please mention the Exchange when writing.

Hardy American Grown Roses
General List of Nursery Stock.—Write for our Trade List.
W. & T. SMITH COMPANY
63 YEARS GENEVA, N. Y. 800 ACRES

Please mention the Exchange when writing.

Evergreens Shrubs Shade Trees Privet
100 Acres of Nursery. Ask for quotations upon your own list of wants.
HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Please mention the Exchange when writing.

Araucaria Excelsa
5-inch pots—4 to 5 tiers—15 to 18 inches high
60 cts. each, $6.00 per dozen
THE CONARD & JONES CO.
West Grove, Pa.

Please mention the Exchange when writing.

LARGE TREES
OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES
WILLIAM WARNER HARPER, Proprietor
Chestnut Hill, PHILADELPHIA, PA.

Viburnum Plicatum, in sizes from 3 to 6 ft.
Japanese Judas, very heavy, 3 to 4 ft.
Spiraea Anthony Waterer, very heavy, 1½ to 3 ft.
Regel's Privet (Ligustrum Regelianum), 2 to 4 ft.
These are but a few of our leaders; we have an enormous assortment of other varieties. Also deciduous trees, especially **Willows, Lombardy Poplars, American Lindens,** and **Dogwood.**
Let us have your "want list," and ask for our catalogue.
The Wm. H. Moon Co., Morrisville, Pa.

Please mention the Exchange when writing.

California Privet SPECIAL
For two weeks we will make special price on car-lots of 18 to 24 in., 2-yr., well branched and extra fine rooted stock. Small quantities at low prices.
Asparagus, Palmetto and Giant Argenteuil, 3-yr., extra strong, **$5.00** per 1000.
Jos. H. Black, Son & Co.
Hightstown, N. J.

Please mention the Exchange when writing.

Get in on ROSES
From early Summer propagation on own roots. Booking orders now for Winter and Spring delivery.
THE LEEDLE FLORAL COMPANY, SPRINGFIELD, OHIO.

Please mention the Exchange when writing.

THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

WHITE KILLARNEY—MARYLAND
Select Grafted Plants from 2½-in pots, $12.00 per 100.
Ready for delivery March 15, 1910
O. P. BASSETT
Proven the best red in the market. Rooted Cuttings, $6.00 per 100, $50.00 per 1000. Immediate delivery.
BASSETT & WASHBURN
Greenhouses, HINSDALE, ILL. Office and Store, 76 Wabash Ave., CHICAGO, ILL.

Please mention the Exchange when writing.

"FLOWER OF FAIRFIELD"
THE "EVERBLOOMING CRIMSON RAMBLER"
The best Climbing Rose in the market, flowering during the whole Summer in large clusters of finest crimson color.
Price for first rate plants with 3 to 6 shoots, open ground grown, $12.50 per 100, $120.00 per 1000.
Extra strong plants, from 6 and more branches at $18.00 per 100.
Package free, cash with order only.
SCHULTHEIS BROS., The "Old" Rose Gardens, at Steinfurth, near Bad-Nauheim, GERMANY

Please mention the Exchange when writing.

AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-president; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer.

DOVER, DEL.—A charter has been granted to the Pen Mar Orchard Co., to sell nursery products of all kinds. The incorporators are William P. Johnston of Pittsburg, William F. Givin of Baltimore and Edwin L. Worthington of Charleston, W. Va. The capital stock is $20,000.

Picea (Abies) alba Our native white Spruce, Picea alba, is much better known as a timber tree and as a tree for Christmas than it is as a lawn tree. Old gardeners give as an excuse for its not being prominent on pleasure grounds that nurseries did not contain it when their earlier plantings were made; later planters say it fails to thrive well in cultivation. There may be something in what is said of the difficulty of procuring it in nurseries in former days, for not only the white Spruce, but the greater number of trees kept by nurserymen were of foreign kinds. It came about because that it was the custom to purchase supplies from abroad, as it is today, and foreign nurserymen had not then taken to the growing of our native trees. It is different today, as it is as easy to get seedlings of native trees as it is those of trees of other countries.

As to the white Spruce not doing well away from its wilds, the one we have photographed does not seem to be lacking in any of the essentials of a good, vigorous tree. It stands on rather elevated ground in Wissahickon Park, Philadelphia; and at the present time is in the prime of its growth.

The white Spruce is abundant in the moist wet woods of Canada, the New England States and even as far south as North Carolina, but as it gets South there is quite a difference in the appearance of the tree, just as there is in the Hemlock and other coniferous trees.

At Christmas time the white Spruce is prominent in all our large cities. It and the Balsam Fir are the two principal trees used for Christmas trees. A few black Spruce, Picea nigra, are to be seen, but its shorter needles, less spreading than those of the white Spruce, cause it to be called for less than the others.

The tree we photographed is 25 ft. high, and as shown it is of nice proportions. The natural height of the tree is about 50 ft. The Spruces, to which our Picea alba belongs, are distinguished from the Firs by their pendulous cones and their persistency in holding together. The Firs, which, for example, are represented by the Balsam Fir, have, on the other hand, cones upright on the branches, and when they are ripe they fall apart. For this reason when wanted for collections of cones they have to be tied together with thread before they mature, to secure them.

Weeping Blue Spruce Probably no evergreen became so famous in such a short time as did the Colorado Blue Spruce. The first appearance gave to planters something different in its habit and growth from anything known before in the evergreen line, and its silvery blue foliage had never been approached by any other evergreen, nor is it today. It gives to a lawn color and style that has much to do in the formation of the beautiful appearance many of them are admired for.

These notes are chiefly to call attention to a weeping variety of this Spruce. But few are to be seen here as yet, just one or two here and there, coming from Europe, but there is no doubt of its popularity when its merits are discerned.

Berberis Japonica Of the two varieties of Berberis—Mahonias—usually seen in collections, B. Japonica and B. aquifolium, the latter is the more frequently met with planted in masses. It grows so compact spreading, and close to the ground, that it has been used for game cover as well as for solely ornamental purposes. As individual plants or for moderate grouping, between the Japonica and the Aquifolium the Japonica is rather to be preferred to general planting, because of its more hardy character. Aquifolium comes from Oregon, where the Winters are not at all severe, and when it gets here and has to endure our hot sun and zero temperature its leaves become greatly disfigured by Spring, a something that does not happen to Japonica, for its lovely, large green leaves are of as bright a green color in Spring as they are in Autumn. Both species bear loose panicles of bright yellow flowers in early Spring, and as these blossoms are well set off by the foundation the pretty foliage gives them it is a pleasure to come on them in flower at that time.

If it were that the leaves of the B. aquifolium were made bronze colored only by the cold it would be a meritorious feature, but they are partly killed when greatly exposed, though the wood is not.

Picea (Abies) Alba. White Spruce

Wax Myrtle for Hedges In Prof. Massey's interesting notes on half-hardy and other trees and shrubs, in a recent number of the EXCHANGE, he speaks of the Wax Myrtle, Myrica cerifera, as an evergreen that would make an excellent hedge plant. Well, so it would, but the difficulty would be in supplying plants in quantities for the purpose, and at reasonable rates. Nurserymen who have attempted its propagation from seeds have had indifferent success. A whole bed of seeds will give but a half-dozen seedlings; and even wild plants might not be obtainable of a proper size. Along the New Jersey coast, notably at Atlantic City and Ocean City, acres of them have been destroyed by filling in the half swampy places where they grew, for building purposes. Another shrub Prof. Massey mentions, the Prinos glaber, is a pretty evergreen, bearing black berries. What has been said of the Wax Myrtle applies to this as well—the difficulty of getting up a supply of plants. This Holly, for it is a Holly, requires that its berries repose in damp soil a whole year before growing. Still, this would not hinder a supply, but one would need to start a good while in advance, for even after the seeds start to grow the progress of the seedlings in height is very slow. The well-known evergreen Euonymus Japonicus, makes a good hedge, but here we are met with a hindrance in its lack of hardiness for all but the warmer States south of Pennsylvania, and in these warmer States there can be nothing named at this time better for the purpose among plants that could be had than the several sorts of true evergreen Privets, the Ligustrum Japonicum, L. lucidum and L. macrophyllum. The foliage of all is handsome, the plants readily propagated, and they are in every way adapted for hedging.

Stratifying Seeds of Maples For various reasons seeds of Maples, Ash and numerous other deciduous trees cannot always be had in time to get them into the ground before Winter sets in. Those familiar with this fact often prepare a bed before the ground freezes, digging it and raking it smooth, and then having a heap of sand under cover. When the seeds come to hand they are spread on the frozen ground, covered with a layer of sand, and, if not later than early January, the seeds will germinate in Spring. Should snow cover the beds it is to be shoveled off before sowing.

Instead of this plan, there is another which has been found to work very well. When seeds come to hand they are mixed with damp sand and placed in a cold place, even outdoors will do, there to remain until Spring opens, when they must be sown the first thing. Just how late such seeds may be kept before being stratified, as this process is called, cannot be told exactly. Last season the writer tried some White Ash seeds which had been kept dry until early in March. These were then given a soaking in water for two days, and afterward sown in a pot, the pot plunged completely under ground. But two plants came up out of some hundred seeds sown, but all the other seeds were apparently in splendid condition, plump and sound as could be, causing a wonderment why they did not sprout. Perhaps they may in the Spring coming, as they are still undisturbed. There is a something, temperature, moisture and other things, Nature seems to call for which must be on hand at the proper time, failing which seeds will not sprout.

When such seeds as have been referred to fail to come to hand until within a month or two of sowing time it will be better not to sow them with the expectation that they will grow in Spring, but hold them dry and stratify them in Spring, sowing them in the Autumn following, when good results may be expected with the return of Spring.

Sowing Coniferous Evergreen Seeds The late Robert Douglas of Illinois was one of the leaders in the raising of evergreens from seeds, and his plan of working was, as related at the time, to prepare narrow beds, slightly elevated, to insure good drainage, sowing the seeds thereon, and then covering the beds with sash, made of lath, nailed an inch or less apart on skeleton frames. These sashes were raised an inch or two from the ground by blocks of wood at the ends, and as the seedlings grew the blocks were elevated gradually, giving more and more light and air as the seedlings required it.

Mr. Douglas raised immense quantities of seedlings, sowing the seeds very early in Spring, and to those desiring to engage in it in a like way there is no better way than his in which to undertake it.

When it is not desired to grow them in large quantities, seeds may be sown in boxes, in a greenhouse, and thousands can be grown in this way. February is a good month to sow the seeds. Sow them in flats, placing the boxes in slight heat, keeping them well shaded until the seeds germinate, and seeing that the soil is moist all the time; as soon as the seedlings are well above ground take all shade from them, or the darkness and moisture will cause fungus to attack the seedlings, "damping off" as it is called. In fact, as soon as the seedlings are above ground all the light and air possible should be given them, to harden them against fungus attacks, to which they are very liable at this stage of growth. For this reason it is well to transplant them as soon as large enough to handle, as it is seldom that fungus attacks them after this has been done. The seedlings may be transplanted closely in other flat boxes or be potted singly, as may seem most desirable.

Pines and Spruces usually have a large percentage of sound seeds, but with Firs it is seldom that all are good, therefore seeds of these may be sown closer than those of the Pines and Spruces.

It is useless to sow seeds of Junipers, Hollies and Yews at the same time with the expectation that they will grow along with the others, as they will not germinate under a year. Place them in a heap of sand, in a box, until a year has passed, then sow them and seedlings may be looked for in a short time.

HARDY ROSES For Forcing

Ready for Immediate delivery

The right time to buy Roses is when they are fresh and well ripened. Roses potted up in the fall or late winter become better established and force better, and are far more satisfactory in every way, and you can retard or force at your leisure. We recommend the American-grown "Ramblers." Don't attempt to force imported Ramblers; the general experience is that they are failures.

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BABY RAMBLER (Half standard). Crimson. 45 cents each, $4.50 per dozen, $35.00 per 100.

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Baroness Rothschild. Satiny pink; extra.
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FRAU KARL DRUSCHKI. The finest white in existence.
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Magna Charta. Clear rosy pink.
Mme. Gabriel Luizet. Light satiny pink.
Mme. Plantier. White.
Mrs. John Laing. Soft pink. Most desirable variety.
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Ulrich Brunner. Cherry-red.

Forcing Rambler Roses

American Grown. The Only Stock for Forcing

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Large heavy plants, two years old, mossed and packed in bundles of 10.

	10	100
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3 to 5 feet	1.75	15.00
4 to 6 feet, extra strong and heavy	2.25	20.00

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We have an extra good stock of Forsteriana, made up, three plants in a pot or tub, all clean, perfect plants. (We need to reduce our Palm stock, and are giving extra values.

7 in. pots, 3 plants in a pot, 40 to 44 in. high, $4.00 each
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Bougainvillea Glabra Sanderiana, 5 in., well shaped, bushy plants, $3.00 per doz.

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BEGONIA Rex, 2-in., $5.00 per 100.
ASPARAGUS plumosus, 2-in. $3.00 per 100; 3-in., $5.00 per 100. Cut sprays, 25c. per bunch.
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FERNS

Scottii, 2½-in., 5c.; 3-in., 10c.; 4-in., 15c.; 5-in., 20c.; 6-in., 35c.
Boston, 2-in., 4c.; 3-in., 5c.; 4-in., 15c.; 5-in., 20c.
Piersoni, 4-in., 15c.; 5-in., 20c.

J. H. DANN & SON

Westfield, N. Y.

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Newport, R. I.

At the Carl Jurgens' establishment, famed for Lily of the Valley and American Beauty Roses, the fine range of four new houses erected by the King Construction Co. have just been completed, and covers an area of over one acre of land.

They are of light construction, yet built with a view to secure both strength and durability. The roofs are trussed, no center posts, iron gutters and eaves. Features new to us are the open iron fastenings for reception of the sash bars, which will undoubtedly prevent decay of the latter; another is the spring pressure on ventilating sash when closed down, which takes up any slack which may occur through the melting of ice, liable to be ground in between when closing down.

The houses stood the test of a gale of wind and a heavy load of snow at the time of the recent blizzard without showing any damage whatever, and Mr. Jurgens is well pleased with them. In this range he expects to raise some first quality American Beauty Roses from plants which he intends to put in the beds next month.

In some of the older ranges, same dimensions as the above, the American Beauty Roses are being pruned and, judging from the condition of the wood, the prospects are of the best for a fine crop next Summer. As usual, Valley and bulbous stock is being handled in quantity.

For the cold storage plant a fine crop of ice has been harvested. Mr. Jurgens is following in his late father's footsteps and is bound to succeed.

ALEX. MACLELLAN.

Baltimore

Trade conditions continue satisfactory.

The Club meeting on Monday, Jan. 10, was well attended. Special topics for the evening were: "On the best and most economical system for heating greenhouses," by Mr. James Hamilton, Messrs. Christy and others; very interesting discussions arose on this point.

Another question brought up was: "Does it pay to raise Carnations, 10 to 12 flowers to the plant, and how many flowers does a Carnation plant average per season, for fancy and for regular market varieties." According to the opinion rendered by those present, 15 flowers for fancy, and 20 to 25 for the others, was necessary in order to make their cultivation pay.

Mr. F. C. Bauer exhibited a fine seedling Mignonette of great size and strong stem, also a very good specimen of Begonia President Taft, the latter being much admired.

The wholesale Florists' Exchange held its annual meeting and election on Jan. 10, and the following directors and officers were elected for the ensuing year: President and director, I. H. Moss; vice-president and director, F. C. Bauer; secretary and director, P. B. Welsh; treasurer and director, C. E. Akehurst. Directors: F. G. Burger, Wm. Lehr and R. L. Graham. Manager of Exchange, J. J. Perry. Mr. H. Michell of Philadelphia was a visitor and was present at the meeting of the Florists' Club.

Manager J. J. Perry of the Exchange reported that the business transacted during the season, 1909, had been the largest, and most profitable in the history of the Baltimore Wholesale Florists' Exchange. At the board meeting Mr. E. A. Seidewitz eulogized the good work of Mr. Perry. Mr. Seidewitz, the outgoing president of the Florists' Exchange, did not enter for re-election, and Mr. Robt. L. Graham was selected as a director in his place.

On Saturday last the two bowling teams met at the Diamond alleys, and the following scores were made:

Moss	139	159	169
Bauer	99	143	165
Welsh	120	123	111
Guerth	169	124	144
Perry	160	168	159
	687	717	748
Boone	138	153	161
Eberle	160	129	147
Richmond	156	183	181
Blind	158	162	160
Seybold	224	187	200
	836	814	849

C. L. S.

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AN APHINE TEST ON SWEET PEAS AND DOUBLE VIOLETS

Violets and Sweet Peas a Specialty

JOHN H. SLOCOMBE
FLORIST

555 Townsend Avenue,
New Haven, Conn., Dec. 13, 1909.

George E. Talmadge, Inc., Madison, N. J.

GENTLEMEN:—We grow Double Violets and Sweet Peas and so cannot use Cyanide after Peas are up in November. We have not yet found an insecticide that would kill green and black fly and not give the Violets spot—or as cyanide kills Peas, and tobacco spots, we would like to know what tests you have made on Double Violets and Sweet Peas. If your goods fill the bill we can use a lot of it.

Yours truly,
J. H. SLOCOMBE,

OUR REPLY

(Madison, N. J., Dec. 20, 1909.) "Replying to your favor of the 13th inst., we are today sending you a sample of Aphine that you may try it on your plants to see whether it will do the work for you. This will be more satisfactory to you than any promises we may make as to what Aphine will do. We will appreciate it if you will advise us of the results of your test."

THE RESULTS

(New Haven, Conn., Dec. 29, 1909.) "Your sample of Aphine received and tested a few days ago. It looks to us like a good thing, so we are enclosing check for $2.50 for one gallon of same. Yours truly, J. H. SLOCOMBE."

(Western Union.) New Haven, Conn., Jan. 4, 1910. "Ship immediately C. O. D. two gallons Aphine. J. H. SLOCOMBE."

ANOTHER PUBLIC TEST OF APHINE

Has been arranged, to be held at the Boston Flower Market, Boston, Mass., on Saturday, January 22d, 1910.

(Further particulars in next week's issue of this paper.)

If you are not familiar with the new Insecticide discovery, **APHINE**, send for descriptive circular.

If your supply house does not yet handle it, write us for names of our nearest selling agents.

$2.50 per Gallon

Used at an average strength of 1 part **APHINE** to 15 to 40 parts water.

APHINE MANUFACTURING CO.,

MADISON, N. J.

Please mention the Exchange when writing.

Cincinnati

The cold Wintry blasts are still with us, the thermometer, Jan. 10, standing at zero. Fortunately very little stock has arrived in a frozen condition; in fact, those who are consigning to E. G. Gillett have packed so carefully that not a single flower has been touched by the frost; some of our other brother commission men have not been so fortunate.

Since the holidays business has dropped off to quite an extent, especially on Am. Beauty Roses, and quotations are coming in from all the large cities offering them at very low prices. Other Roses are selling well, as are Carnations and other miscellaneous stock, Am. Beauty will no doubt come to the front again as soon as the people have recovered from their Xmas shopping.

Mr. J. W. Rogers, park superintendent, has handed in his resignation to the Board of Park Commissioners, to take effect on February 10. Herbert Greensmith has been appointed to fill the position vacated by Mr. Rogers; the latter now has charge of the nurseries, which is under the same department; he is a man of experience and will undoubtedly make good.

The Cincinnati Florists' Society, at their meeting, Saturday evening, Jan. 8, decided to change their meeting night from Saturday to Monday, as quite a number of the members who have stands in the market are unable to attend the Saturday meetings.

At the recent meeting of the bowling club James Allan was high man with a score of 243, making 6 strikes in succession; Henry Schwarz came along with his usual 115 to 120, Gus Adrian and Max Rudolph made the same score, while C. E. Critchell, Doc. Sunderbruch, Ray Murphy and a few of the other Cincinnati professionals made scores that would win in most any of the S. A. F. conventions. It is probable that some of the other cities will have to look to their laurels or Cincinnati will walk off with a number of the prizes at Rochester next August.

Getting back to the weather proposition—during the past week we have had a snowfall of about 10 in., something that has not occurred in this vicinity before in the past 40 years; at the present writing snow is still covering the ground and the Ohio river is frozen from shore to shore.

We fear that when the break-up comes the damage to river property will run into the millions.

A letter from C. J. Ohmer states that during the present cold snap the thermometer reached 28 at West Palm Beach, Fla., where he is situated; it did not injure any of his plants but much damage was done to the vegetables and oranges through that section.

A man employed by Wm. Specht of Newport, Ky., committed suicide by shooting himself with a shot gun in the boiler room at Mr. Specht's range; no cause is given for his action.

Rose Mrs. Jardine is by far the finest pink Rose grown today. If it were only a better producer Killarney would have no show at all, but possibly it is a good thing that it is not so free as it has its own exclusive place in the market, and demands a price that you cannot get for any other Rose of similar character.

We have one florist in this city who is celebrated for the odd designs which he has been called upon to make; the first was a hand car, next a telegraph line, a Calla stuffed with Violets, while another was a reclining anchor upon a base surmounted by a double barreled shotgun. This man's name is John Walt, he maintains a florist's establishment on Eastern ave. E. G. GILLETT.

FERNS
MY SPECIALTY

Boston and Scottii Ferns. 6 in., $6.00 per doz.
Extra Large Bostons. 7 in., $12.00 per doz.

FERNS FOR FERN DISHES

Best stock, largest assortment, 2¼-in. $3.00 per 100, $25.00 per 1000.

CIBOTIUM SCHIEDEI

King of Ferns; the most decorative plant in the world; strong grower, good keeper, fine seller.

4-in., $8.50 per doz., $65.00 per 100.
5-in., 12.00 per doz., 90.00 per 100.

10 and 12-in. specimens in handsome oak-colored tubs, with solid brass handles (novelty). No show window complete without one. $5.00 and $7.00 each.

ASPARAGUS Plumosus Nanus. Excellent 2¼-in. stock, $3.00 per 100, $25.00 per 1000.

Largest commercial collection of Ferns in the country.

Ask for Descriptive Catalog.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist
Please mention the Exchange when writing.

Scholzeli Fern

The best payer and most prolific Fern to date. 2¼-in. $7.00 per 100.

	Per 100
Superbissima, 2¼-in.	$7.00
Whitmani, 2¼-in.	5.00
Scottii, 2¼-in.	5.00

CHAS. H. CAMPBELL
3601 Germantown Avenue
PHILADELPHIA, PA.
Please mention the Exchange when writing.

Nephrolepis Whitmani

From bench, ready for 6-inch pots, $20.00 per 100.

W. D. ROBERTSON, Oakhurst, N.J.
Please mention the Exchange when writing.

FERNS! FERNS!

A nice assortment and good bushy stock, and just now in fine shape. $3.00 per 100.
KENTIAS and COCOS Weddelliana for centers, 10c. each.
ASPARAGUS plumosus, $3.00 per 100.
Scottii FERNS, 4-in., $15.00 per 100.
KENTIA Belmoreana, 6-in., $1.00; 6-in., 75c. and 50c.; 4-in., 25c.

HENRY WESTON, Hempstead, N. Y.
Please mention the Exchange when writing.

FERNS ASSORTED FOR DISHES

Best varieties, full grown plants from 2¼-in. pots, $3.50 per 100; $30.00 per 1000.

Asparagus P. Nanus 2¼-in. pots, $3.00 per 100; $25.00 per 1000; 3-in., $6.00 per 100.

Cocos and Kentias 8 to 10 in., at $10.00 per 100

FRANK N. ESKESEN, Madison, N. J.
Please mention the Exchange when writing.

FERNS! FERNS!

Assorted Ferns for Jardinieres in 6 to 8 best varieties. Good, strong plants from 2¼ in. pots at $3.00 per 100, or $25.00 per 1000.

ASPARAGUS P. NANUS Seedlings, strong, $1.00 per 100, $9.00 per 1000.

THOMAS P. CHRISTENSEN
SHORT HILLS, N. J.
Please mention the Exchange when writing.

NEPHROLEPIS

WHITMANI, 2¼-in., $5.00 per 100; $40.00 per 1000.
MAGNIFICA (new), $25.00 per 100.
BOSTON FERNS, 2¼-in. $30.00 per 1000.

Henry H. Barrows & Son,
WHITMAN, MASS.
Please mention the Exchange when writing

PALMS, FERNS and Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.
Please mention the Exchange when writing.

Dracæna Indivisa

Large plants in 6-in. pots, $20.00 per 100.
GERANIUMS, S. A. Nutt, in 2½-in. pots, $2.00 per 100, $18.00 per 1000. Other varieties of Geraniums will be ready later on.

E. L. RILEY, Trenton, N. J.
R. F. D. No. 2.
Please mention the Exchange when writing.

FUCHSIAS

There are none better than Little Beauty, Lord Byron, Renan and White Beauty. Strong 2½-in. pots ready, $4.00 per 100. New Heliotrope, Miss Berenice, a sport of Mad. Bruant and a great improvement on the latter 2½-in. pots, $8.00 per 100. Katalog for the asking

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.
Please mention the Exchange when writing.

HARDY GARDEN PINK PLANTS

Glen Valley. Variegated.
Improved New Mound. A dark pink.
Edith. Medium shade of pink, a distinct variety.
Edith 2d. Has two distinct shades of bloom on the same stalk.
Wellesley. Dark pink shade, a taller variety.
Price $5.00 per 100. No Catalog.

THADDEUS HALE,
Cor. Forest and Leaver Streets,
WELLESLEY HILLS, MASSACHUSETTS
Please mention the Exchange when writing.

AMPELOPSIS VEITCHII

Fine, well rooted, one year plants, 18 to 24 inches; 60, by mail, $2.00; 100, by express, $3.00; 1000, $25.00. Plants in cellar.
ASPARAGUS ROOTS for Spring, extra strong, 2 year plants, $1.00 per 100; $4.00 per 1000. 3 years, $1.25 per 100; $5.00 per 1000. They will please.

CHARLES BLACK, Hightstown, N. J.
Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS

From 2¼-inch pots, $2.50 per 100, $22.50 per 1000.
Cash with order please

FLORAL HILL GARDENS
G. F. NEIPP, Prop.
CHATHAM, N. J.
Please mention the Exchange when writing.

ASPARAGUS

	Per 100
Plumosus Nanus, 3-in., fine	$6.00
DOUBLE PETUNIAS, 2-in.	2.00
HELIOTROPE, dark, 2-in., strong	2.00
ROOTED CUTTINGS	
BEGONIAS, 6 flowering varieties, R. C.	1.25
DOUBLE PETUNIAS, 25 vars., Dreer's strain	1.00
LANTANAS, Dwarf, 5 vars.	1.00
LANTANAS, trailing	1.25
ABUTILON Savitzii	1.50
HELIOTROPE, dark, for soil, R. C.	1.00
GAZANIA Splendens	1.50
STROBILANTHES Dyerana	1.25
CUPHEA	.75
AGERATUM, Gurney, Pauline, and White	.60

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.
Please mention the Exchange when writing.

THE AMERICAN CARNATION

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PTG. & PUB. CO. Ltd., 2 to 8 Duane Street, New York

The Week's Work

BY
FRITZ BAHR

Carnations

Three Good Commercial Varieties

I received an inquiry today as to the best deep pink and white Carnation, and as the inquirer states that he has the best success with Enchantress of all the Carnations he grows, I should certainly advise him to plant for a deeper pink than Enchantress the rose pink sport of this variety; and again for a white to try the White Enchantress. After all is said and tried these three are hard to beat. When well done they will give the novelties which have appeared of late years an awful run, in their respective colors on the exhibition table, and as bread and butter varieties for the small grower they head the list in most places. Here and there we may hear of instances where there are complaints regarding split calyxes or weak stems but, on the other hand, there are growers who do Enchantress better today than it was ever done. This variety seems to have an iron constitution. When a Carnation can hold its own for the number of years Enchantress has against all the newcomers it must be good, and its sports have also proved themselves worthy. We have other splendid sorts in both the pink and white classes, but as the inquirer states that he is successful with Enchantress he won't go wrong in planting the two above-mentioned. I should also reserve at least some space to give a trial to a few of the newer varieties offered, for that is, after all, the only way to find out anything about them. There is no doubt in my mind that in most cases the originator sends a new variety out in good faith and after having tried it thoroughly, but how very, very few of the new comers survive when sent out into this cold world to fight for recognition and a place among the old standbys.

The Lilies

Get a Move on Those Intended for Easter

We are having the most glorious Winter weather throughout the Middle West. Our thermometer registered 11° below this morning. It has been going down steadily for the last week in spite of the predictions of the weather man. Weather of this kind, and a cloudy sky, isn't at all in favor of getting the longiflorums into bloom by March 20, one week before Easter, unless buds show about Feb. 10. Plants which are less than 10 inches in height ought to go to a Rose house in order to get there—by 10 inches I don't mean plants which have made that growth under some bench; stock of that kind is not fit for a temperature over 50°—but if the plants have been growing in full sunlight during last month in a temperature of about 52° and are in healthy condition, with plenty of live white roots, you can bring them to a 65° house. They won't be to early. Don't be discouraged because your plants are not over a few inches in height; if they are healthy and well rooted and you can give them the heat necessary they will come all right—but don't delay. The most careful watching on the part of the grower is necessary, in order to avoid a lot of disappointment—with the Lilies the most important factor is the weather, so much depends on it—but to be on the safe side is to have them far enough advanced one month before Easter Sunday. Should warm sunny weather set in it won't be hot enough to keep the Lilies back. On the other hand, should dark weather prevail a temperature of 80° to 90° will get plants with buds soon in bloom.

Easter Ramblers

Proper Time to Get the Plant Started

Whether pot grown stock is made use of, or field plants potted up last Fall, the plants should now begin to show new growth, if they are intended for Easter. Let them come along now. While the pot grown plants will not require quite as much time to get into bloom as the others, if in a temperature of about 50° now, it won't bring them too early. When Easter comes at a date near the end of March there isn't as much trouble to hold things back as there is to get there on time, and a Rose doesn't differ from other blooming plants the florist sells, which are forced into bloom; they are all benefited by a little lower temperature a few days before they go out, so while it isn't necessary or beneficial to put the Ramblers into a Rose house climate now, let the plants come along uninterrupted from this date on. Keep the wood of plants moist by syringing, especially before growth commences. Apply flour of sulphur as soon as there is a trace of mildew, thereby keeping the leaves from being disfigured and to keep green-fly in check; the safest precaution is spraying with a weak solution of nicotine. The most beautiful clusters of perfect flowers on a Rambler are of little use when the plant is crippled by imperfect foliage.

Azaleas for Easter

Treatment for the Plants Intended For That Day

While we may dispose of an Azalea in bloom occasionally during the next two months, it is at Easter that quantities of them are sold, and to have them just right for that day requires judgment. When Easter comes on such an early date as this year, moving the plants, according to their varieties, from warm into cooler quarters or vice versa may be

Wholesale Trade List

ASPARAGUS Sprengeri, 2½-in. pots, $3.00 per 100.

ASPARAGUS Plumosus, 3-in. pots, $5.00 per 100.

CLEMATIS Paniculata, from open ground, $10.00 per 100.

DRACAENA Indivisa, fine plants, 6-in. pots, $3.00 per doz.

DRACAENA Indivisa, 4-in. pots, ready for 5-in., $10.00 per 100.

FERNS, Boston and Scottii, 4-in. pots, $2.00 per doz.

FERNS, assorted varieties, 2½-in. pots, $3.00 per 100.

SMILAX, 3-in. pots, $4.00 per doz.

PERIWINKLE, variegated, grown in 4½-in. pots, $8.00 per 100.

DAISIES, Yellow and White, 2½-in. pots, $3.00 per 100.

Cash with order please.

C. EISELE, 11th & Westmoreland Sts., Philadelphia, Pa.
Please mention the Exchange when writing.

Hardy Perennials

Field-grown Clumps.

	Per 100
OENOTHERA Youngii	$4.00
HARDY PHLOX, Peachblow	3.00
HARDY PHLOX, mixed	1.50
PHLOX subulata alba	2.50
PHLOX maculata	3.00
PEONY Whitleyi	6.00
RUDBECKIA purpurea	4.00
SHRUBS	
SPIRAEA Anthony Waterer, 2-3 ft.	7.00
HYDRANGEA grand. alba, 2 yr.	25.00
HYDRANGEA p. g., 2-3 ft.	7.00
CALIFORNIA PRIVET, 12-18 in.	1.50

Cash with order.

All the best varieties of DAHLIAS in strong field roots.

J. MURRAY BASSETT, Hammonton, N. J.
Please mention the Exchange when writing.

Vinca Variegata

3½-in. pots, fine—$4.00 per 100

PANSY PLANTS, ready October 10. $2.50 per 1000

GERANIUMS, S. A. Nutt and other varieties, 2¼-in. pots, $2.50 per 100.

CASH

JOS. H. CUNNINGHAM, DELAWARE, O.
Please mention the Exchange when writing.

Violets! Violets!

MARIE LOUISE, clean and healthy in every particular. 3-inch pots, $5.00 per 100, $45.00 per 1000.

Cash with order.

WM. J. CHINNICK, Trenton, N. J.
Please mention the Exchange when writing.

A HEARTY INVITATION

While the Carnation is up for its Annual Review we would esteem it a favor to hear from those who grow the plants. Send in notes on your experience with Carnations in 1909; together with any suggestions or criticisms you may have to offer. Do it now. Don't wait.

GERANIUMS

All sold until February. Orders booked for February and March delivery. Nutt at $10.00; Poitevine and Ricard at $12.60 per 1000.

ASPARAGUS Plumosus, $25.00 per 1000; Sprengeri, $16.00 per 1000. Ready now.

ALBERT M. HERR, LANCASTER, PA.

Please mention the Exchange when writing.

Geraniums

S. A. Nutt, Bruanti, and Snowdrop, 2½-in. $2.00 per 100.

CARNATIONS, R. C. ready Jan. 1. Enchantress and Lloyd, $1.60 per 100, $12.00 per 1000.

L. C. HAPPEL, Waynesboro, Pa.

Please mention the Exchange when writing.

GERANIUMS

Strong 2-in. stock.

S. A. Nutt, Heteranthe, Jean Viaud, La Favorite, L'Ange, $2.00 per 100, $18.00 per 1000; our selection, $17.00 per 1000. Pamela, $4.00 per 100. Mlle Anastasie, Lecadre, $3.00 per 100. Red Wing, the best novelty of the season, 25c. each, $2.50 per doz. Write for Geranium catalog.

F. H. DeWitt & Co., Wooster, Ohio

Please mention the Exchange when writing.

GERANIUMS Low, stocky, from pots sent nearly free of soil. S. A. Nutt, Bruanti Dble. Grant, $12.00 per 1000. Buchner, Ricard Poitevine, Perkins, Hill, etc., $18.00 per 1000

COLEUS Ver. and G. Bedder, $8.00 per 1000. Fancy, very brightest only, $5.00 per 1000. Giant Leaved, most showy of all, 80c. per 100. Many kinds, some new. Cash.

ASTER SEED. Best long stem kinds for cut flowers. Special low prices to Dealers. Write.

DANIEL K. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

Geraniums

S. A. Nutt, Buchner, La Favorite, Jean Viaud, John Doyle and finest Mixed, $2.00 per 100, $5.00 per 300, $16.50 per 1000.

Cinerarias, Primula Obconica, Asparagus Sprengeri, Ivy Geraniums, Double Petunias (Dreer's), $2.00 per 100, $5.00 per 300.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

Geraniums! Geraniums!

Nutt, Doyle, Buchner, La Favorite, Poitevine, Grant, Bruanti, and others, at least, 100,000, out of 2¼-in. pots, in fine condition, at $18.00 per 1000; 500 at 1000 rates.

AGERATUM, Stella Gurney, Pauline and others, from 2¼-in. pots, $1.00 per 100; $9.00 per 1000. Rooted cuts, 60c. per 100.

HELIOTROPE, 2¼-in. pots, $2.00 per 100.

Cash to accompany the order.

J. E. FELTHOUSEN

154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings

S. A. NUTT, $10.00 per 1000.

Cash with order

FRED W. RITCHY, Lancaster, Pa.

Please mention the Exchange when writing.

THE BEST WAY

to collect an account is to place it with the

National Florists' Board of Trade

56 Pine St., NEW YORK

WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00.

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

necessary. There is quite a difference as to the blooming period, especially when in the greenhouse. With Azaleas, when Easter comes into we may experience trouble in holding the plants back. On the other hand, when wanted early certain varieties may not be in on time. You can't have a dozen varieties and expect them to bloom at the same time, under the same conditions, but by bringing those backward into warmer quarters, or using a 40° house for the advanced ones, you come pretty close in striking it right. Remove any growth which is liable to appear alongside of the flower buds—this should be attended to regularly. Go over the plants once a week—it pays. Don't crowd the plants on the benches; it isn't right to let the light and air get around every one; even when kept in a Violet house or near the freezing point the plants require plenty of water, and the ones in 50° to 55° should be sprayed every day. Keep the foliage clean and glossy, it is as necessary to the plant as its roots are.

Orchids

Cattleyas and Cypripediums

I predict the time will soon come when the out-of-town retail grower, even with only a few thousand feet of glass, will find it necessary to keep a stock of Orchids; not that he will thereby be enabled to have a full supply of his own for all occasions, but his customers will ask to see his Orchids. It is wonderful what difference it makes in taking orders if one is able to show a few plants, and what a drawing card they are when in bloom. We know that to be successful and make the growing of Orchids pay it requires proper facilities for handling the plants, and the paying of strict attention to their requirements in every detail. When considered as a side line they, like anything else, are liable to be neglected, and it doesn't take a Dendrobium, Cattleya or Cypripedium any length of time to perish if neglected, even if it only requires a little moss and peat to sustain the plant. A good many of the Orchids, such as Cattleya Percivaliana or labiata, Dendrobiums and others, may be kept in a Palm house where a temperature of 60° and over is maintained; for the Cypripediums a Carnation house will suit better, say about 50°. If you have any stock on hand now, after flowering, is the time to go over and re-surface same with live sphagnum moss. Remove all dead, decayed or useless material. Work in between the exposed roots some peat, which cover with moss. The Cattleyas need a time of rest after flowering until the bulbs show signs of new life. Don't keep them soaked with water during that time, they don't want it. Should you have a number of Cypripediums which could stand dividing, now is the time to do that. Carefully remove the soil and gently part the plants—it's no trick when done carefully. There are but few of us who haven't use for this valuable Orchid, and not requiring a high temperature and, really, little work, more should be grown. When potting the divided plants, be sure to secure proper and plenty of drainage. Don't try to bury the crown of the plant, and use a fibrous loam for potting, which should be covered with sphagnum. In another month from now the Cypripediums will start to grow, so encourage the plants in every way possible, in order to get them in good shape for another season. The demand for Cypripediums as well as all other Orchids is increasing every year; get ready for it, if you haven't already a few good plants on the place get some, you will have to come to it sooner or later.

Seeds to Sow Now

Asparagus, Grevillea and Cannas

Among the seeds to be sown now, Asparagus, both plumosus and Sprengeri should be included; they constitute important factors with the retail florist. Hardly ever has the average retail grower sufficient of either on hand and there are many who work under the impression that, especially A. Sprengeri, they can be successfully grown in any old corner or places where nothing else will grow, and that it is waste of room to devote a bench where cut flowers will grow to it; but this is folly. Only when either of the Asparagus is doing its best does it pay, and whenever they are struggling along in some dark corner you can't expect anything but failure. Fresh seed of the Asparaguses will soon be offered, and that is the only kind to get. Old seed is worthless, but if fresh you will have no trouble in getting it to germinate, in a Rose house temperature. If you use any Grevillea robusta, that useful plant, sow now; Dracæna indivisa also can be sown at this time. If you wish to try your luck with Cannas from seed, now is the time to do so, as the seed are as hard as iron; as good a way as any is to let them soak in real hot water 20 to 30 hours, and a good strong bottom heat is required below the seed boxes afterwards to get results. Seed of Cannas saved from good varieties will not come true to name, but it is always interesting to grow them in that way, and even if you can't recommend them to your customers they are well worth while to plant out in nursery rows on your own grounds.

Snow White Sport of Helen Frick

CHRYSANTHEMUM

Special certificate of merit at Maryland Horticultural Society last week.

Stock plants for immediate delivery.

Large plants, $3.00 per doz.
Small plants, 2.00 per doz.

CARNATION ALVINA, the only dark pink Carnation, $6.00 per 100; $46.00 per 1000.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

Rooted Cuttings

PETUNIAS, Dreer's Superb, double fringed; the best selected large-flowering doubles, finely fringed, mixed colors, $1.00 per 100, $9.00 per 1000.

FUCHSIAS, finest double, dwarf habit, $1.00 per 100, $8.00 per 1000.

HELIOTROPE, dark, good stock, 75c. per 100, $6.00 per 1000.

PETUNIA, The Queen, fine double fringed, white mingled with purple, $1.00 per 100, $9.00 per 1000.

DOUBLE LOBELIA, Kathleen Mallard, $1.00 per 100, $8.00 per 1000.

SALVIA Zurich, absolutely true to name, $1.00 per 100, $8.00 per 1000. Bonfire, 80c. per 100, $7.00 per 1000.

AGERATUM Stella Gurney, 50c. per 100, $4.00 per 1000.

Cash with order.

J. P. CANNATA, Mt. Freedom, N. J.

Please mention the Exchange when writing.

CHRYSANTHEMUMS Stock Plants. Mrs. Kalb, Estelle, White Bonnaffon, Alice Byron, Angele Laurent, Deajouis, Glory of Pacific, Mande Dean, Pink Ivory, Roselle, Amorita, Major Bonnaffon, Cremo, Halliday, Yellow Jones, Golden Glow, Baby, 60c. per doz.; $4.00 per 100. Golden Eagle and Baby Margaret, $1.60 per doz.; $10.00 per 100.

WILLIAM SWAYNE, P. O. Box 215 **Kennett Square, Pa.**

Please mention the Exchange when writing.

ALL NURSERYMEN SEEDSMEN and FLORISTS

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THE BIG SIX

Mrs. H. Stevens, Gladys Blackburn, W. Mease, Helly Wells, R.H. Felton, Wells' Late Pink; besides several others.

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VIAUD, ... per 1000, 12.00

Cash with order.

PETER BROWN, 124 RUBY STREET, LANCASTER, PA.

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FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

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Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

Index to the Florists' Exchange, Vol. XXVIII

This index, covering the period from first issue in July to last in December, 1909, will be shortly ready for distribution. Subscribers desiring a copy of this index can obtain same by notifying us by post card; copies will be mailed to those who have already previously advised us to that effect.

The Florists' Exchange Design Book

A new edition of the Design Book is now in preparation and, it is expected, will be issued about January 20. It will be found a decided improvement on the earlier editions, has been completely remodelled and now contains 80 pages, covering a multiplicity of designs. It will be freely admitted the most valuable compendium of its character ever offered to the trade, as well as the cheapest. It is sold only in connection with a subscription for this paper; The Florists' Exchange two years and one copy of the Design Book, new or renewal subscription, for $2.50.

National Council of Horticulture

There will be a meeting of the National Council of Horticulture at the Auditorium Annex, Chicago, January 17, 1910, at ten o'clock a.m., to arrange details for next year's work. All interested in exploiting horticulture along broad lines, or in other matters properly belonging to the work of the Council, are invited to cooperate. It is earnestly hoped there will be a good attendance. H. C. IRISH, Secretary.

The American Rose Society

The fifth annual bulletin of this Society is before us and makes quite an imposing appearance with its 100 pages of informative matter. The principal contents of the bulletin naturally are noted in the very full report of the tenth annual meeting and exhibition held at Buffalo last March. The Constitution and By-Laws of the Society and a list of officers and members is also given. The book is well printed in clear type and contains several interesting pictures of exhibits at the show as well as of leading men in the Society.

The list of life and active members appears to be a growing one, and it is sincerely to be hoped that before long this essential to the vitality and influence of an organization will be multiplied many times under the indefatigable exertions of its secretary, Benj. Hammond, who is, we all know, unremitting in his efforts to build up a large and influential membership.

Attention is again called to the fact that the next annual meeting and exhibition is to be held in New York City, March 16 to 18 of this year.

Acknowledgments are due several public spirited members of the Society for the financial assistance rendered through the placing of their advts. in this edition.

The Chrysanthemum Society of America

The Chrysanthemum Society of America will hold its next annual meeting and exhibition at Morristown, N. J., an invitation by the Morris County Gardeners' and Florists' Society presented at the last meeting, in New York, having been accepted by the executive committee.

Meeting of the A. C. S. at Pittsburg

There are but few of our readers who need to be reminded of the forthcoming Convention of the American Carnation Society, which is scheduled to take place at Pittsburg, Pa., on January 26 and 27.

The city selected is eminently central and we shall be greatly disappointed if this meeting and exhibition which, by the way, will be the Society's twentieth, does not turn out the very best yet held.

As to the exhibition, the growers of the East and the West will meet on almost neutral ground, while any interesting program has been arranged.

The debate as to whether the Carnation Society and the Rose Society should hold joint meetings ought to bring out facts, figures and opinions that will influence somewhat the older question as to a closer amalgamation of all the younger national societies with the S. A. F.

But the exhibition of flowers will be, after all, the magnet that will attract and draw delegates. It will be well worth the while of every florist who makes a fair proportion of his income out of the sale of Carnation blooms to be present in person at this Pittsburg meeting. This yearly opportunity of rubbing shoulders, comparing notes, and seeing for oneself all the leading sorts "under one roof" is too educationally valuable to be missed.

The Pittsburg Cut Flower Co. has issued a handy pocket plan of the business section of Pittsburg, showing the location of hotels, railroad stations, public buildings, theaters and florists' establishments. The company will be pleased to forward a copy to anyone sending for it. It also invites anyone attending the convention to make the company's place of business, 222 Oliver ave., his headquarters.

The New York Florists' Club

The first meeting in the new year of The New York Florists' Club was held on Monday evening, January 10, at the Club's quarters in the Grand Opera House building, 23d st. and 8th ave., with a very large attendance of members.

Retiring President H. Turner opened the proceedings, which commenced with the installation of the newly elected officers. He appointed Charles H. Totty, Madison, N. J., as escort for President Miller, who was then conducted to the rostrum. C. B. Weathered performed a similar duty for Vice-President J. A. Manda. Secretary Young and Treasurer Rickards made introductory bows as did also Trustees Bunyard, Pierson, and Kessler. All of these gentlemen made brief addresses, in which they eulogized the Club and promised their most hearty support in its work during the ensuing year.

The committee having in charge the entertainment of the delegates at the forthcoming convention of The American Rose Society reported progress, and that it would make a complete report at the next meeting.

For the Transportation Committee, J. H. Pepper reported that the Pennsylvania R. R. had offered railroad rates to Pittsburg, on the occasion of the Convention of The American Carnation Society, of $8.78 on a ticket covering ten or more delegates, unless 100 would attend when the rate would be made equivalent to three cents a mile round trip. The railroad company also offered to place the Pullman car conveying the party at the rear of the train in order that they might cut off the heat from the rear end, thus accommodating those who wanted to carry their exhibits with them. On motion, Mr. Pepper was authorized to complete arrangements and to communicate with all members.

The committee on awards reported that it had visited Cottage Gardens, Queens, N. Y., and inspected the Carnation C. W. Ward, and as a result recommended that the preliminary certificate awarded the variety be confirmed.

The following were elected to membership in the Club: John Kessler, 50 W. 28th st.; W. H. Siebrecht, Jr., 277 Broadway; W. C. Wright, and Thomas V. DeForest, 1133 Broadway, all of New York City. These gentlemen, being present, were introduced to the meeting and acknowledged their election in brief addresses. Several candidates were nominated for election at the next meeting.

Secretary Young announced that he had received the medals which the Club had awarded for exhibits at the exhibition of the Chrysanthemum Society of America last November, and that, as soon as he should receive the necessary wording to be engraved on them, the engraving would be made and the medals sent to the successful exhibitors.

A letter from George Sykes of Chicago, presenting his resignation as a member of the Club, was read and the resignation accepted with regret.

Walter F. Sheridan moved that the president appoint a committee to make arrangements for the annual dinner of the Club, such arrangements to be on the lines of the dinner of last year and to include the attendance of ladies, with tickets at the same price. The motion being carried, W. F. Sheridan, J. B. Nugent, Jr., Chas. Schenck and C. H. Totty were appointed as such committee.

President Miller then announced his appointments of standing committees as follows: Legislative: P. O'Mara, Chas. B. Weathered, F. R. Pierson. Essay: W. F. Sheridan, J. H. Pepper, John Young. Awards: C. H. Totty, William Duckham, I. S. Hendrickson, F. H. Traendly, Harry Turner, Chas. Weber, Robert Simpson, W. H. Siebrecht, Sr. Exhibition: A. J. Manda, William E. Marshall, R. E. Berry, Julius Roehrs, Jr., James T. Scott. House and Entertainment: J. B. Nugent, Jr., R. M. Schultz, Robert Koehne.

In addition, he appointed as the outing committee, the following: H. A. Bunyard, chairman, C. Schenck, J. K. Allen, H. Weston, Louis Schmutz, Jr., Frederick F. Kessler, R. G. Wilson, Wm. Badgley, J. Rassbach, John Birnie, J. A. Manda.

Secretary Young read a letter from The Morris County Gardeners & Florists' Society inviting all members of the Club to its fourteenth annual "Smoke Fest" to be held in Madison, January 12. He also read a letter from the Greek-American Florists' Association, inviting the officers and board of directors of the Club to a ball to be held on January 17. Both invitations were, on motion, accepted.

Treasurer Rickards read his annual report which showed that the funds of the Club in banks amounted to $3863.35. The report, which had been audited by the Trustees, was, on motion, accepted and filed.

Motions by C. B. Weathered were made and the same were carried empowering the dinner committee and the outing committee to make arrangements looking to the fulfilment of their objects.

Robert E. Berry announced the death of the Club's bowling organization and offered humorous resolutions covering the same which afforded much amusement to the members.

A resolution by C. B. Weathered that a rising vote of thanks be tendered the retiring officers was carried with enthusiasm, as also was a motion by Mr. Berry conveying the thanks of the Club to President Miller for his entertainment that evening.

During recess, and after the meeting had adjourned, the Club was entertained to a substantial lunch by President Miller, and an hour or two was pleasurably spent.

EXHIBIT.

E. L. Enggren of Aqueduct, L. I., exhibited a vase of a beautiful deep pink seedling Carnation, on which the committee of awards gave a preliminary certificate, the variety scoring 85 points.

Smoker of the Morris Co. (N. J.) G. and F. Soc

The fourteenth annual smoker of the Morris Co. Gardeners and Florists' Society was held in Masonic Hall, Madison, N. J., on the evening of Jan. 12. These affairs are becoming more and more famous each year, judging by the attendance and enthusiasm. The committee in charge, composed of A. Herrington, Wm. Duckham, Chas. H. Totty and R. M. Shultz, is to be congratulated on the successful outcome of this, its last effort. "Totty's punch," a concoction fully equal to all of that gentleman's well-known productions, was on tap, and the circulation of it created sociability rapidly, so that by the time the excellent program was in progress the crowd was in a position to enjoy it—the program—to the full. Songs and impersonations were the main features of the entertainment, and were fully appreciated. Sandwiches, coffee and cigars were freely dispensed, as well as some of Madison's famous Celery, distributed by the inimitable Bob Shultz (with plenty of salt) who saw to it that each guest had his share.

Many friends of members of the Society journeyed to Madison; New York, Red Bank and other places were well represented. The festivities were kept up until last train time, and all agreed that the boys of Madison never do things by halves, and that each smoker is far ahead of the one held the previous year. Much enthusiasm was evoked by an announcement made by Arthur Herrington at a short business meeting, held before the smoker began, to the effect that the executive committee of the Chrysanthemum Society of America had decided to hold its annual show in Morristown, N. J., at the same time, and in conjunction with the show of the local Society.

John M. Barker of Morristown, N. J., showed a handsome vase of Christmas Pink Sweet Peas.

M. Bernaix, the well-known rosarian of Villeurbanne, near Lyons, France, is introducing two new hybrid Teas, which he describes as follows: BERTHE GAULIS.—The bud is large and a longish oval, often borne singly on stiff, erect stems, brilliant bright pink in color. The flower is very large, perfect in form and very full, of a pure Hermosa pink, darker in the center. This superb variety, which blooms very freely, is recommended for grouping and as a cut flower.

Monmouth Co. (N. J.) G. and F. Society

The annual dinner of this Society will be held at Red Bank, N. J., on Jan. 19. A good time is assured.

Yale Men Knock Florists

The committee having in charge the various activities of the Yale students Promenade Week at New Haven, Conn., ruled that no flowers be worn at any of the festivities, and to make this more effective, every man who purchased a ticket was forced to sign a pledge that he would not indulge in this luxury. The injury to the florist's business through the committee's action can be fully realized, as the supply of flowers for this event is contracted for months ahead and a serious loss will be the outcome. The florists patronize the Yale men's games, advertise in their magazines and, naturally, regard this as a particularly hostile move against them.

Dinner of the Tarrytown Horticultural Society

The eleventh annual dinner of the Tarrytown Horticultural Society was held at the Florence Hotel, Tarrytown, N. Y., on Wednesday evening, Jan. 12, and was largely attended. An excellent menu was prepared by the hotel management, and the service was all that could be desired. The tables were handsomely decorated with Winsor Carnations, Killarney Roses, small vases of fronds of Nephrolepis compacta—one of the Pierson specialties by the way which lends itself admirably for table adornment—greenery and flowering plants, the latter also being used as wall decorations. A first-class orchestra, provided by F. R. Pierson, dispensed a pleasing selection of music before and during the dinner. Vice-president John Woodcock presided, and after coffee had been passed introduced Henry C. Griffen as toastmaster for the evening, who more than proved his fitness for the office. His first call was on J. A. Shaw, the "perpetual bloomer" as he termed him, who read one of his characteristic addresses. Andrew H. Brown was the next speaker, and he after a humorous address presented Secretary E. W. Neubrand, on behalf of the members of the Society, with a pair of silver mounted military brushes and a pair of gold cuff buttons, a gift which Mr. Neubrand feelingly acknowledged. F. R. Pierson, who was introduced as "a man who had made good" spoke enthusiastically of the work the Society had accomplished and the position it occupied in the horticultural world, and of the pride he felt in being one of its organizers many years ago.

The Hon. Frank V. Millard, one of the Society's directors, was also introduced as a "man who had made good" and demonstrated his ability as an after dinner speaker. His stories produced roars of laughter and each one carried a point.

The veteran M. D. Raymond, Tarrytown's retired newspaper proprietor, made one of the addresses for which he is famous, and which have for a number of years been features of the Society's dinners.

Senator Chas. P. McLellan made a very entertaining address, well besprinkled with stories, and was loudly applauded in his efforts to explain what he knew about horticulture; in fact his was the real "horticultural" speech of the evening.

Jas. Guthrie, who represented the Nassau Co. Horticultural Society made a pleasing address, and other members and guests also contributed to the evening's entertainment.

The dinner was delightfully informal, and passes into the Society's history as one of the best ever held.

Connecticut Agri. Exp. Station Destroyed

A fire, early on Monday morning, Jan. 10, completely destroyed the old building of the Connecticut Agri. Exp. Station, on Huntington st., New Haven, Conn., and also destroyed all the contents, including the general library of valuable volumes and a private library of Chemist T. B. Osborne, that were in the building, as well as many valuable instruments, etc. It is believed that the total loss will be upwards of $25,000, which is said to be covered by insurance.

At the last session of the general assembly the sum of $30,000 was appropriated for the building of an addition to the old laboratory and this has been built and the finishing touches were just about completed when this morning's fire occurred. The new addition is all of brick and concrete, even the floor and roof, and, although a fierce fire raged beside it, it was entirely unharmed.

Owing to the brick walls, the fact that the new building is absolutely fire proof, and that the direction of the wind confined the fire within the burning building, the other nearby buildings, such as State Entomologist's, Dr. W. F. Britton's office, and that of Director E. H. Jenkins were saved from becoming ignited.

The old laboratory contained most of the valuable records and specimens possessed by the experiment station. In one of the corners was the station library, the records in which are valued at about five thousand dollars. The laboratory also contained Prof. T. B. Osborne's library which was valued at a like amount. All these were destroyed and many, it is feared, cannot be replaced. Some of the records which were in a fireproof vault were not damaged, it is believed, but most of the other contents were a complete loss.

The Carnation to the Fore!

The Nineteenth Annual Meeting of the American Carnation Society is to take place at Pittsburgh, Pa., on Wednesday and Thursday, January 26 and 27, 1910

In its issue of Saturday, January 29, The Florists' Exchange will give an account of the meeting, the Proceedings and the Exhibition.

The editions of January 22 and February 5 will likewise be representative of the live trade interest which mention of the Carnation always excites.

The Informative Side

Growers and distributors of Carnations, whether they use our advertising columns or not, are requested to furnish us at once, for publication, notes on their novelties and on their experience with the leading standard varieties the past year.

The Advertising Side

Of especial value to advertisers of Carnation stock will be our editions of January 22 and 29, also of February 5, and we invite the attention of all concerned to the particular advantages afforded by these three consecutive issues, of making known their offers.

As to Advertising—
The Opportunity is Yours
Do not let it go by Default

Advertisements received up to Wednesday noon, each week

The Florists' Exchange
The Business Paper for Business Men
Nos. 2 to 8 Duane St., New York

Dinner of the Hort. Soc. of Newport, R. I

The Horticultural Society of Newport, R. I., celebrated its 20th anniversary on the evening of Jan. 11, almost 100 being present (members and guests) to participate in the festivities.

The dinner took the place of a regular meeting and was served at Sanborn Hall, where the Society has been coming together almost ever since its founding. Four long tables, running the length of the hall, with the guests' table at the head, made a very convenient and pleasing arrangement. The decorations on the table consisted of growing plants in bloom and cut sprays of Asparagus. In the corners of the building were arranged some fine specimen Palms, which added to the homelike appearance of the place.

At the guests' table were seated the following: The president of the Society, James Robertson; toastmaster, Richard Gardner; chairman of the Dinner committee, Andrew K. McMahon; State Senator John P. Sanborn, and representatives of the State Legislature, Messrs. Franklin and Kerr. Mayor P. J. Boyle, John K. L. M. Farquhar and Supt. of Parks John A. Pettigrew of Boston, Mass.; Clark Burdick, James McLeish and John P. Hammond, of this city.

Letters of regret for absence were read from Congressman William P. Sheffield, Representative R. Livingston Beekman and David McIntosh of Tuxedo Park, N. Y.

An enjoyable menu had been provided and, when the cigars had been lit, President Robertson, in a few words, welcomed those present, and bespoke for the Society continued support. Toastmaster Gardner was introduced and, in an interesting way, traced the Society's history from its very inception to the present time. It is interesting to note that three out of the five men who brought about the first movement for the formation of the Society were present at the dinner.

The first toast, the State of Rhode Island, was ably responded to by Senator Sanborn; the Legislature, by Representative Franklin; the city of Newport, by Mayor Boyle; Horticulture, by John K. L. M. Farquhar; Past Presidents, by Col. Andrew K. McMahon; Absent Members, by Alex. MacLellan in lieu of D. McIntosh.

John P. Hammond made the hit of the evening, in his talk on Newport's parks and trees. Many of the members were not aware until now that in our first vice-president we have a born orator; he certainly made good his points in a way that won't soon be forgotten. The last toast, "The Ladies," was responded to by Hon. Clark Burdick, who knows his subjects and, being a lawyer, knows how to handle them.

In the absence of the Rickards Bros. of New York, their places were filled in by local talent. The writer left the hall about 1 o'clock and the "Auld Lang Syne" had not yet been sung. This dinner will go down in history as the most successful social session the Society has held to date.

ALEX. MACLELLAN.

National Sweet Pea Society (Gt. Britain)

The annual general meeting was held at Hotel Windsor, Westminster, December 9. The report showed that at the end of the year 1908 the society had 779 members on its books and 51 societies in affiliation. During the year just ended no fewer than 280 new members have joined the society, a few of these having entered for the coming year. The membership now stands at 938 while the number of affiliated societies is 101.

Spraying Chrysanthemums with Soot Water

In a recent issue you printed an article on 'Mums by Mr. Thos. Proctor of Lenox, in which he advises spraying with soot water. Can you inform me as to the object of such spraying?—J. A. M., Conn.

—As to the object I have in spraying with soot water as advocated in my recent article, on the growing of Chrysanthemums for exhibition. It is used by me as a preventive against rust and mildew affecting the foliage. There are different remedies recommended for that purpose, such as copper solution, liver of sulphur, etc., and while those remedies may stop the spread of the disease, they disfigure the foliage.

I find that by starting when the plants are in a young stage and syringing as stated about once in two weeks with the soot water, there is no trouble with rust or mildew and, aside from that, the soot has a beneficial effect on the foliage, imparting that dark green color so essential to their growth. The soot is put in a bag, allowed to steep over night in water, just enough water to cover the bag; reduce the strength as desired by adding more water, and syringe on the plants with some force to the underside of the foliage, and allowed to remain over night.

Those growers who have never used this material will be surprised at the results obtained after a fair trial.

Lenox, Mass. THOMAS PROCTOR.

[Mr. Proctor's valuable paper was printed in our issue of Nov. 20, page 770.]

New Plants in Guernsey

I have seen plants of a very delicately variegated Smilax in the houses of Mr. N. A. Le Page of Rosamunda, S. Saviours. The foliage is a creamy white, but the stems and the petioles of the leaves are green, and there is a green stripe in the center of most leaves. Strangely enough, the plants seem as vigorous as the strongest of the ordinary Smilax, good trails of five to seven feet being obtainable. And what is even more remarkable in the pale variations of such plants is that Mr. Le Page's flower and seed quite freely. If the variation is permanent, and it promises to be so, as the plants are two to three years old now, this will make a valuable addition to our decorative foliages. The leaves of the new White Smilax are of medium size, between the myrtifolia and the large-leaved green.

Mr. A. J. Guilbert, at his Rohais Nurseries, has also a very bushy variegated Asparagus Sprengeri, but the variegation is not very pronounced, it merely giving the plants a very golden appearance. This is more pronounced in artificial light. The variegation is a yellow stripe in the center of each leaflet. Mr. Guilbert is also bringing out a new Richardia, of which Elliotiana and Mrs. Roosevelt are the parents. The foliage is mottled and spotted in an exactly similar way to the Calla Elliottiana, the golden Arum, but the leaves of the new Arum, which it is suggested should be named Spero, are much more arrow-shaped, almost exactly the shape of the aquatic plant, the Arrowhead, Saggitaria saggittifolius. The spathes of the new plants are pure white in the upper parts and about the size of The Godfrey, while the spadix is a pale yellow, very similar to the color of the spathe of Mrs. Roosevelt. Deep down in the base of the spathe, and out of sight unless the trumpet is looked into is a blotching of deep purple. The flower stem is long and mottled brown and purple and yellow, like the stems of Elliottiana. The new Richardia should prove a good addition to our somewhat scanty list of Arums.

BY EBER HOLMES

Richmond, the Best Red for Christmas

The Christmas season just passed brought out two points clearly. One was the scarcity of red Roses, and the other the beauty and usefulness of White Killarney. With regard to the former, we all know that at the present time Richmond is our great standby for red, but it is apt to produce quite a lot of blind wood at this time of the year although it is also true that these same blind shoots will break again and eventually produce a flower. It is advisable to keep this Rose fairly warm, about the same as advised for Killarneys, or it is apt to go to sleep in the Winter months. It is true that this Rose does well and keeps healthy in a lower temperature, and has been grown in a Carnation house, but to get the best results it should not be kept below 58° or 60° at night. There is really little to be said about other red Roses for Winter flowering; there are kinds that do well in certain localities, but for all around purposes Richmond is king.

White Killarney

With regard to White Killarney it may be said to have made good, to use a common phrase. There is no doubt that it has come to stay and the thing that impressed me most was the fact that, like its sister, the Pink Killarney, it is so very easy to manipulate and may be made to bring in a full crop at almost any time you wish, which is without doubt a great recommendation for it, especially at Christmas and Easter, when white Roses are in demand.

Starting Up Three-Year-Old Plants

While on the subject of Killarney I want to report on the batch I spoke of in my October letter that were carried through the Summer, the last crop being cut off the last of August and the first of September. These plants (about 2300) were top-dressed as described at that time and started up. There were five benches, each about 150 feet long. The two front benches were the best after starting up and were allowed to flower for Thanksgiving. These gave an average of 12 flowers per plant at that time. The three back beds did not start up quite so well and so were pinched back about the 20th of October; on the second break they did better and came along splendidly, with the result that we got about the same number of flowers per plant as we did on the November crop, but of finer quality than those plants produced. The best feature of it is that the crop is divided and, by practicing this method all through the houses, a steady cut is maintained which pays much better than a large lot at certain times and none at others.

[The note to which Mr. Holmes refers, "Starting Up Plants," will be found on page 538, issue of Oct. 9, 1909.]

Of course, at holiday times, we always try to have a greater quantity and the Rose that will adapt itself to these conditions is likely to be a winner today.

Notes on Various Other Sorts

We had a few of the old Perle des Jardins on trial this Fall. They were brought in for Christmas, producing about 10 flowers per plant, and sold readily; these were small plants that were only benched in August. It is rather remarkable that this old favorite is not more grown. I think that one cause of failure with this is the fact that some growers kept it too cold. It does well in a night temperature of 60°, as does Sunrise, which is also liked by some people.

Rose Mrs. Humphrey Ward

One of the newer Roses which is rapidly coming into favor, and which seems likely to be a money maker, is the one commonly called Mrs. Humphrey Ward, and being grown exclusively, I believe, by Mr. W. H. Elliott for the Boston market. This is a Rose of easy growth and distinct from anything now on the market. My Maryland is doing well with us and, in the Summer time, may be ahead of Killarney. Queen Beatrice we have found to be a good grower when planted on its own roots and a ready seller. For a man with a retail trade, or for a private place, it is a very desirably variety. There are, of course, new claimants for a position but it is rather early to pass upon them yet.

English Grown Manetti Stock Scarce

One thing is worth noting and that is the scarcity of English grown Manetti stock this year. It is likely that plants grafted on this stock may be scarce before the season is closed, and it would really be wise to order in time where stock is needed. It is remarkable how people delay in ordering their stock. They would do much better to speak in time; there is nothing to gain by waiting for bargain sales in July for the best stock has been sold out by then, and every day counts at planting time. The best results are always obtained from plants started early and the sooner this lesson is learned the more money you will make.

On Greenhouse Building

It has been remarked that too much attention is paid in our trade papers to cultural notes and not enough to greenhouse building. It is a fact that construction is of supreme importance, nothing can be done without it, and for the beginner the safe way is to give out the contract to some reliable firm of builders. As you gain experience you will be able to build your own houses if you so desire. A house well built is a source of joy and profit to its owner for all time.

Cautionary Notes

We find that, no matter how well a house is built, we lose a few lights of glass during heavy winds and snowstorms. It is advisable to always keep something on hand of the right size to stop up a hole from the inside at such times until the glass can be reset properly. A piece of zinc, or good waterproof building paper, or boards made out of old boxes, make handy things to keep out the cold and stop further damage. It is an excellent plan to keep a good sheet of canvas on hand in case a large hole is opened up at any time. This is only a precautionary measure; there may be little need of it, but we never know what may happen. We often had to prop up the old wooden houses when the snowstorms came and shoveling out the gutters was a common thing, but the houses that are built now seem able to withstand almost any storm. We always like to see the snow disappear from the south side of the houses as soon as possible, but I have noticed for the last twenty years that more glass, as a rule, is broken when the men go to start the snow off the roofs than is broken by the elements. If the snow is left on the north side for a few days, during a very cold snap, it is a great protection to the houses, and it will gradually wear away and come off altogether at the first warm spell with little if any damage.

Aster, Miss Gainsford
A Splendid Light Blue Variety. Height, 4 ft.

Seasonable Cultural Notes

It was written, years ago, that if Roses were in good shape at New Year's there would be little fear of them not doing well the rest of the Winter. There is a great deal of truth in this. We are, of course, only just commencing to get really cold weather, but the days will soon be getting longer and in a few weeks more things will be starting up again in good shape. I think that one of the chief causes of failure in the Fall with the beginner is that his Roses are kept too warm during the period after firing commences and before steady cold weather sets in. This is also where the large modern house has a great advantage over the small one. The latter has a close, stuffy smell, while the large house is always sweet. There is little danger of too much heat after New Year's. Keep the fires going until the sun is able to help out the required temperature, and start heating up early in the afternoon if the weather looks suspicious. Damp down the dry walks every day or two and syringe as occasion requires; do it thoroughly when you are about it.

We find that as soon as a crop has been cut off a lot of plants is the best time to go through them and trim out any old or useless wood. We then tie them up in fair shape and they are all ready to make a good new start without any further trouble. We syringe oftener then, for a couple of weeks, to induce a new break and to get rid of any red spider which may have started when the crop was on and we were unable perhaps to syringe as well as we wished. It is not advisable to syringe much when in full crop, especially if the weather is bad. We have had to go over the bushes and shake them to take off the surplus water in the short dark days after syringing. On kinds subject to black spot this is a good thing to do; a short piece of rubber hose makes a good tool to shake the plants with. We have had little occasion to do this the past Fall and, in fact, have in some cases syringed purposely on cloudy days and let the bushes remain wet over night where we saw a trace of red spider. We could see no harm whatever to the plants where the proper warmth was maintained, even if they were wet all night, and this treatment is a pretty sure cure for red spider. Of course, when in crop, this cannot be done, as the flowers will become spotted.

Most plants will require extra stimulant now and should receive manure water regularly. Keep the houses clean, plants tied up, and pay careful attention to every detail, not forgetting the regular fumigating for green fly. Where propagation is going on be very careful to select scions and cuttings from nothing but clean and healthy stock. This is one of the best ways to insure success.

Stray Notes from Abroad

BY T. A. WESTON

Border Carnations The introducers of the new border Carnation, Comtesse Knuth, are certainly doing their best to make it known, but whether it will catch on remains to be proved. So far as I am aware, border Carnations are not in great vogue in America, whereas over here they are more widely grown than the greenhouse types.

Border Carnations are perfectly hardy here, and moreover they resent anything in the way of coddling, the utmost protection that anyone thinks of giving them being a well ventilated coldframe for the purpose of keeping off heavy rains, which are liable to cause rot. Most growers, however, let them take their chance in the open ground.

Respecting this type, the flowers differ largely from the Perpetuals, being smooth edged, while the colors are more numerous. The Picotees or edged Carnations, are practically as hardy as the others and they are exceedingly pretty and telling. Comtesse Knuth, by the way, although described as yellow, is stated by one who has seen it, to be really buff. It is a strong grower and is likely to prove useful. Strangely enough, a Scotch grower has a seedling of identically the same color and habit, but, if anything, it is superior to the Danish novelty.

The Aster, Michaelmas Daisy In recent years several of our growers have been working hard on these, and the advances made are remarkable. The well-known gardener, Edwin Beckett, has done wonders in the small flowered section, and the noted 'Mum grower, H. J. Jones of Lewisham has also raised large numbers of varieties, which are beginning to catch on for cut flower work.

Coming in in the Autumn they serve to a very useful purpose as they differ so much from 'Mums. There are many types, some bearing myriads of tiny flowers, others have blooms nearly 2½ in. across, the colors running through all shades of blue and pink, while numerous sorts have white flowers with yellow or bronze discs. The heights range from 6″ to 4′, and all bear their flowers in sprays.

They multiply rapidly, as the roots are of the running type, so that propagation is child's play. For pot work many of them are delightful, as even the tall kinds, if cut back in June, will grow afresh and make splendid dwarf bushes for Autumn decoration. They are hardy as a door knob, and the flowers will bear several degrees of frost. A few sorts to be recommended are briefly quoted:

Amellus Prometheus, bluish rose, 1½ ft. Bessie Loeb, pink, 2½ ft. Dan Clark, porcelain, 3 ft. Maude, white, yellow disc, late, 2½ ft.

Moonstone, greyish white, 4 ft. Rosalind, rose, 3 ft. Vimincus elegans rosea, white changing to pink, 2½ ft.

Vimiucus elegantissima, white golden center, 2½ ft. Vimiucus Fairy, rosy grey, 3 ft.

Breydon, pale blue, 3 ft. Pink Gem, pink, 2 ft. Amellus Marion, light blue. Dainty, white, 3 ft. Lil Fardel, deep pink, 4 ft. Thirza, cream, 4 ft. Golden Spray, white, yellow disc, 2 ft. Delight, white, 3 ft. White Spray, 5 ft. Flossy, white, 4 ft. Osprey, soft pink, 3 ft. Horizontalis, bronze, 2 ft.

All the Vimiucus type bear very small flowers in dense masses. The Amellus types have large flowers, and a dwarf habit. The Cordifolius section have medium flowers and average 3 ft. to 4 ft. The diffusus section are of pendulous habit.

There are several other sections, all more or less beautiful. Up to the present there is only one double, "Colwall Beauty," this being light blue. Miss Gainsford, a tall growing variety of great beauty, comes semi-double at times.

Pasadena Tournament of Roses for 1909

This, the twenty-first annual fête of the Association, begun, as I said in a previous note, in simplicity, has grown to immense proportions, and this year plans were laid to have it eclipse in grandeur any preceding tournament. An official program of beauty was issued, to the number of twenty thousand, and in addition to that The Star, one of the city dailies, issued, at great expense, a beautiful souvenir edition, in which appears cuts of various floats and other decorated vehicles of the parade, as well as matter advertising Pasadena, its commercial, social and education advantages and its superiority as a residential city. The official program contains scenes of the 1908 tournament; the newspaper publication contains the scenes, what few there were, of 1909.

Rain began to fall the night of Dec. 30, and the downpour was steady until the morning of New Year's Day, with threatening weather for a continuance up until noon. When the clouds rolled away and the sun shone brightly the impression prevailed in the public mind that there could be no parade under such conditions, and that the chariot races would not be held on a muddy course. The directors of the Association announced through the press on Friday evening and Saturday morning that the parade would take place rain or shine, but that the races would be postponed until Jan. 8. And true to announcement the parade was held; a pigmy in size compared to those of other years, but a parade just the same. As a rule the attractive features of these annual exhibitions are decorated floats of various designs, and carriages and automobiles covered with flowers and foliage, displaying the ingenuity of the decorators, all of which are filled with beautiful girls clad in gorgeous fluffy gowns, or matrons in more expensive attire. This year, however, but two automobiles, one carriage and one float of that class were out. An original design made of Phœnix Canadensis Palm leaves, suggestive of the economic value of this Palm, was in the parade. This float was designed by Japanese and, true to their early training, they had long, slender branches of bamboo canes made to represent those of the double-flowering Peach and Cherry of their native land, by using red and white Carnations. The effect was very pleasing.

Ezra Meeker of Oregon trail fame, the man who astonished New York in the early part of 1909 by appearing in its thoroughfares with two large oxen hitched to a canvas-covered wagon, known as a "Prairie Schooner," was a novel feature, and in marked contrast to automobiles and gaily bedecked and prancing steeds. He made the overland trip from Oregon to New York and return to California by this primitive method of travel, with one object in mind, that of awakening public sentiment in favor of erecting monuments along the "old Oregon trail" to commemorate the time when the Pacific Coast was reached by this slow and perilous method of travel, and thus to perpetuate the memories of the hardy pioneers, both men and women, who had the courage to open up to the world this wonderful country. A worthy motive which it is hoped the patriarch may live to see fulfilled.

The Pasadena Board of Trade automobile was completely hidden with bloom of the Japan rice paper plant, Fatsia papyrifera, which is now in full bloom, despite the chilly days and frosty nights. The "Rose" part of the tournament was not very conspicuous this year. Chilly weather and the heavy rain had its disastrous effects on the Queen of Flowers. One peculiar feature of this and all other parades held here is the violation, the gross violation, of the beautiful, the artistic, namely, decorating the tails and legs of horses with ribbons. The beautiful flowing tail of a spirited animal and the graceful outlines of its sinewy legs are marred by men and women fond of the spectacular, yet lacking in good taste by applying these gaudy appendages.

P. D. BARNHART.

The Carnation Convention at Pittsburg

The Florists' Exchange issues of Jan. 22 and 29, also of Feb. 5, will be essentially Carnation Numbers. (See advertisement on editorial page.) Very many of our readers are equally interested with the disseminators in the behavior of all the leading varieties of Carnations on the market, and to these we extend a hearty invitation to send us in for publication a summary of their experience in 1909 and their suggestions for 1910. —Write now while the mood is on you.

Dahlias from Cuttings—Mixtures

Most florists understand that some cuttings root sooner and better if taken off just below a bud, but although Dahlia cuttings root readily from any portion of the stem, there is another very important reason why there should be no bare stem below the buds; for unless there are buds very nearly down to the roots, while they may be all right for one year, varieties with long joints are liable to come "blind" the next year. Such varieties as Jack Rose and A. D. Livoni, which are short jointed and have plenty of buds pretty close down to the tubers, very seldom fail in this way, but some others, like Pink Pearl, for instance, very often fail to produce any sprouts the second year, even though they have large clumps of strong healthy tubers in perfect condition. I have sometimes lost from this cause 25 to 40 per cent. of plants received from an establishment where cuttings are made without regard to the buds.

Watch the Propagating Bench

The propagating bench is also, to a large extent, the source of mixtures in Dahlias. Necessarily, the cuttings have to be taken off when ready, and often come in small lots, and, as space in a greenhouse is expensive, they are put in the sand very closely, and after they begin to grow the foliage often hides the labels, making it very easy to get them mixed. And when top cuttings are taken from those started early the early mistakes are cumulative. It is, therefore, of the first importance that only first-class, well-trained help, should be entrusted with this work, and not all who are intelligent and apparently all right can be relied upon—I once knew a propagator who understood how to grow plants thoroughly, and was energetic and efficient in other respects but was pretty sure to mix whatever went through his hands.

Two years ago I employed a firm, who propagated Dahlias on a large scale, to propagate about 15,000 for me, for which I supplied the roots. Many of the resulting plants were all right, but in a lot of about 1500 sent to me for Prince of Yellows there were over 200 Perlhilde, which gave no end of trouble in culling out the next Summer when they were in bloom. Among the plants I sent them was a single root of W. W. Rawson, and nearly thirty plants were returned to me under that name. They were a very poor lot of plants and half of them died, but among those that grew there was only one W. W. Rawson and three other distinct kinds. As this place was too far away to investigate, I do not know whether any of the W. W. Rawson got into their collection by a counter mixture.

Last Winter I found a place nearby to get my propagating done and got very little mixture. In about 30,000 which I grew last Summer, in several hundred varieties, there was only fifty-two hundredths of one per cent. of mixtures, and this included nearly four thousand which I bought, in which there was considerably more than one per cent. of mixtures.

How "Mixtures" May Be Avoided

"Dahlia News" for November comes to the defence of Dahlia growers in the matter of mixtures, and give some reasons why they cannot always be avoided. I do not expect that any large grower will be able wholly to eliminate them. Notwithstanding the very small percentage in my crop last Fall, and that all of them were very carefully taken out before the others were dug, I would not dare to guarantee that there would not be a single mixture when sent out, although it is my constant aim to come as near as possible to that result. It is for the interest of every grower, as well as his customers, to send out nothing that is not true to name, and I believe that at least nine-tenths we now have are due to causes that might readily be avoided.

The Importance of a Large, Durable Label

Among the important precautions, labeling in the field is among the first, and my preference is for labels made out of something like a fence picket with the name painted on in large letters with a brush; but if smaller labels are to be used, they should at least be long enough to allow of being set firmly into the ground without covering the name or number. But labels are liable to get knocked out in cultivating, and it is not uncommon for mischievous boys to pull them out. The best method of guarding against such accidents is to commence planting at the left hand corner of the field and to number the varieties, planting so that the numbers will run consecutively. When one row is completed, go back and commence the next row at the same side with any that may be left of those planted in the previous row. Bear in mind that by following up this method they will succeed each other like the printed lines of a book. Then, by keeping in a book a list of the varieties, with their number and name as planted in the field, any variety can be easily located even if the label is removed. By allowing a little wider space between varieties, and going over and replacing missing labels when in bloom, especially just before frost, there will be but little mixing from this cause. [Mr. Bassett's conception of a field label is all right. Firm it into the ground 18 ins., paint the wood white, paint names on over the white in black, and that label will endure in good condition for two to three years.—ED.]

Additional Precautions to Take

When the plants commence blooming and one is found out of place, dig it out and carry it away, unless it is some rare or especially fine variety. Never pull the roots out by the tops, leaving pieces with buds, nor throw down on the ground where they may live along and be gathered up with the others at digging time. In case of a specially valuable sort I set a light stake with something white tied to its top that will attract attention, and attach a wired label to the stem near the ground and, before digging the general crop, go over and take out all these mixtures and attach the labels firmly to the roots.

The next fruitful source of mixtures comes in the digging and storing, and it is very important that there should be one thoroughly competent and careful man in the field and another in the storage room to see that no mistakes are made. Every basket or box should have a

Aster Vimincus Golden Spray, White, Yellow disc. Height, 3 ft.

label so placed that it cannot be mislaid, it should be very plainly written and conspicuous. And, as far as possible, only take one variety in each load. Then when deposited in the storage room each bin or box should have the name of the variety it contains conspicuously attached in large distinct letters. I should also mention here that a very common source of mixtures is the throwing of two rows together when cutting tops and gathering together; it is better not to allow this at all, but rather to throw each plant down in the row where it grew.

Inexperienced Help Does Not Pay

"Dahlia News" refers to the chance of mixing by careless help when dividing. This matter of dividing may be all right for retail trade, but wholesale buyers should understand that divided roots are not worth more than one-third as much as undivided stock. But, if dividing is done, only one variety should be handled at a time, unless far enough apart to avoid all chance of throwing together, and when a variety is finished all fragments and rubbish should be scrupulously cleaned up and removed out of the way before another variety is taken in hand.

Now, I believe that if growers will adopt all these precautions there will be very few mixtures. Undoubtedly, I shall be met with the statement that competent help along all these lines cannot be had for $1.50 per day, and we cannot afford the wages that such help can command. But can you afford not to do so? Would you, for instance, employ a cheap bookkeeper because he could be hired at small wages, and take the risk of loss and trouble from mistakes; and if you omit these precautions in the Dahlia business, can you face complaints from your customers with the statement that you are doing the best you can and that the mistakes are unavoidable?

Hammonton, N. J. WM. F. BASSETT.

Behind Closed Doors

At a recent meeting of the Detroit Florists' Club the question came up as to the advisability of holding a flower show next Fall. No such event has taken place in Detroit during the last ten years, and the experiences at that time were rather sad because of a deficit of some $500. Verily, this was no small matter for a small club, as it existed then.

Still, a matter of this kind must be looked upon from a much broader standpoint than that offered by dollars and cents. Today almost every industry eagerly grasps an opportunity to show its product to the public on a scale larger and more imposing than a show window accomodates, because by a concerted display of the different styles of product of any one industry is given the only opportunity to educate the public.

We florists have been in the education business for a very long time, but we shall have to stick right to it or else we fall back, never to come up again. This matter of holding shows, so universally practiced in even very small towns throughout Europe, has been, so far, rather sadly neglected in this country. Circumstances in Detroit are similar to those in other cities. We are all doing our share, we work out our individual problems and our trade increases as the city is increasing. Does that prove, though, that we are getting the full share of increase? Men will spend their money on articles they never thought of and acquire the habit of their use just because such use was demonstrated to them at some exhibition.

The flower display in some florist's window attracts our attention; even coaxes us to buy some, but what is that in comparison to an exhibition when a hall is filled up with flowers and plants demonstrating their use in most varied forms. This creates a lasting impression, which is bound to terminate in the purchase of our product now and in the future.

Many of us do not hesitate to spend occasionally $30 to $40 for newspaper advertising, but what is the result —practically nothing.

Of course the trend of time has put a dividing line to our individual activity. Some of us are growers; some of us are retailers; but is there any other division except in the form of labor performed? Indeed not. As the brain performs one part of work and the body another, so with the grower and retailers, but outside of that we are as closely affiliated and as dependent of one another as brain and body are. The division of spoils is equal to the work performed. It may be difficult to convince, nevertheless the facts are there to prove that neither grower nor retailer receives more or less than their just dues.

For this reason flower shows are just as indispensable for one as for the other, and the real goal cannot be reached unless both put their shoulders to the wheel and push along. Now, during these long but busy Winter evenings we can find plenty of time to make our preparation for a good and worthy exhibition next Fall.

FRANK DANZER.

MYOSOTIS DISSITIFLORA ELFRIEDE is another novelty by the same firm. It is a cross between M. dissitiflora grandiflora and M. oblongata perfecta. The flowers are large and of a lovely deep blue color, and are borne on long erect stems. It is valuable not only as a cut flower, but also for forcing.—*Bindekunst.*

The Carnegie One Hundred

On Saturday evening, the 8th inst., the barons of the Carnegie Steel Co. held their thirteenth annual dinner at the Fort Pitt Hotel, Pittsburg. Preparation was made for one hundred guests at $100 a plate; 78 attended.

The magnificence of this dinner has never before been equaled in Pittsburg, and probably never surpassed in the country. But it was intensely private. It would have been easier to get an audience with the Czar of Russia than to have obtained admission to that dining hall when it was in course of preparation and decoration or after it was finished. Policemen and detectives, every moment, guarded every door and inlet, and personal influence availed one nothing.

Randolph & McClements had the decorations and Mr. McClements was in his element. Long, silently, secretly and prodigiously, he had been laboring in preparation for this event. Far and near he is known for energy, originality, refined taste and resourcefulness, and here he had the biggest opportunity of his life, and the finished work was the greatest glory of his career.

The spacious dining hall was a fairy dale of loveliness. The table was an extended oval, with the chairs on the outer side only. The whole space inside this oval was a great Water Lily garden in the extravagant gayness and luxuriance of advanced Summer, and filled unstintedly with aquatic, marginal and floating plants, night-blooming Nymphæas in flower, flitting goldfish, and a fountain in full play.

The ceiling was festooned with appropriate vines and flowers.

The surrounding walls, in the abandon of Nature, displayed the extravagance of Flora and Pomona—Spring, Summer and Autumn, each in its proper sphere.

Lattice work, imitation old stone walls, garden fences, gates, pillars, vases, sundries and other surroundings of a grand old Southern mansion home hid the walls of the banquet hall from view, and all was prodigal profusion. As room, variety and material were abundant, no stiff lines, no dense banks, no contracted effects, no harsh groupings obtained anywhere, but Nature, in her most graceful and informal plenty, was imitated.

Birds among the trees and flowery vines, entirely hidden from view, but singing as if their little throats might burst, put real life into the garden. And on the outer edge of the table thousands of choicest Roses were piled, forming as it were an embankment to the glistening lake behind them.

In this very hall, on the 26th and 27th of this month, the exhibition of the American Carnation Society is to be held. WILLIAM FALCONER.

[See also Mr. E. C. Reineman's notes on this function in our Pittsburg letter.]

Building Up a Retail Trade in a Growing Community

A paper read before the Florists' Club of Philadelphia, Jan. 4, 1910, by Edw. A. Stroud.

Your essay committee has asked me to address the Club on the subject of building up a retail trade in a growing community. I will tell you a few of my experiences and some of the methods I have employed in conducting a retail business which I established some years ago in Overbrook. It is possible for a florist in town to confine himself to a few departments of the business and make a success of it financially, but I do not think this is possible with a florist in the suburbs. To make his business a success he has to take up many different lines of work. He should be a landscape gardener, a grower of plants and flowers, a decorator, and in fact a general all-round man.

When a family has moved from the city, with its confined quarters and few opportunities for the cultivation of a taste in the planting of grounds, and, as a rule, possessing little or no knowledge in this direction, it is of vital importance that the suburban florist be well versed in this department, so that he may advise wisely and correctly. If the florist is fortunate enough to have some ground, in addition to his greenhouses, where he can show his customers results which may be obtained in the immediate vicinity, he could give them object lessons; this, I believe, would accomplish more good than any catalog he could issue.

For examples: The hardy border, with the best and uptodate perennials; the Rose garden; the Spring show of bulbs, Pansies, Forget-me-nots, and English Daisies; the Peony bed, with its varieties neatly labeled; the Summer garden filled with annuals and new Cannas; the Fall border with late Asters and Helianthus, followed by the hardy Chrysanthemums. Some years ago there was not a May-flowering Tulip in Overbrook; from the method described I sold this Fall some 15,000 bulbs, and from a small bed of Columbine last Spring I sold 1000 plants.

Now, of course, to carry on this business it is necessary to make desirable connections with the nurseryman, seed and plantsman, and also the wholesaler of cut flowers, acting as their agent. Let me give you an example. When Mr. A. comes along and admires a certain beautiful Rose in bloom, and desires one, you take his order, go to the 'phone, order the same, and thus make a quick turnover with comparatively little labor.

My idea of a retail business in a growing community is to use the glass principally for show houses, keeping the houses supplied from the large growers. It is foolish to try to compete with them in the growing line. An important factor is the sale of house plants. There is scarcely a home in which there is not a growing plant. Then, too, a great many people enclose their porches with glass in Winter time, making a temporary conservatory to be filled with foliage and flowering plants, which of necessity must be replaced from time to time, making a profitable source of income.

The sale of Christmas and Easter plants is so universal that its importance need hardly be mentioned.

With Spring comes the Spring bedding, which, probably, taking the whole season through, embraces the biggest volume of work. Of late years this department has grown to such an extent that I depend entirely on the large growers of bedding plants, placing my orders early so as to insure a good quality of stock. It seems to me there is a great deal of money made in buying Geraniums at $18 per 1000, out of 2½-inch pots, in February, and selling them for $80 per 1000, from 4-inch pots, in May and June, than by growing them myself; besides, I can then confine myself to a few specialties which oftentimes I cannot buy.

Under the head of bedding plants comes the filling of porch-boxes. I have been trying to get away from the usual filled box of Geraniums, Coleus, Petunias, Verbenas and cheap vines, using instead such decorative plants as Crotons, Pandanus, Dracænas, Ferns, etc. The cost of filling such a box as I have described is considerably more, instead of $2.50 to $3, running from $8 to $10, but, wherever I have used them, they have more than pleased and repaid the purchaser; the reason being that they give an immediate effect combined with lasting qualities, if given proper attention. Also, at the approach of frost the boxes can be taken into the conservatory.

The sale of cut flowers is the next branch in importance. My experience has been that one cannot get, or expect to get, the same prices as the city florist receives, for the reason that in a growing community the florist caters almost exclusively to a family trade which wants the flowers but not the frills, considering a fancy, ribbon-tied box unnecessary. I have found that people of wealth like to buy flowers frequently at moderate rates, say from $1 to $2 worth, but will not spend large sums except on special occasions, when they will go the limit. Even so, I have found at Christmas time very few among my customers who are willing to pay $3 per dozen for red Carnations, or $25 per dozen for American Beauty Roses. To meet this demand for moderate prices, I have had to grow flowers which will satisfy the buyers, and at the same time give me a profit. These flowers which I grow for this purpose cannot always be bought at the wholesalers. The following varieties are some of them: Starting in the Fall, Dahlias, Cosmos, hardy Chrysanthemums, Paper White Narcissus; later on, Stocks, Wallflowers, Schizanthus, Daisies and indoor bulbs; following with the Spring flowers, Peonies, Sweet Peas, Spanish Iris, outdoor grown bulbs, etc.

I have an arrangement by which I supply flowers once a week, on any day the customer desires, at $1 and upwards a week. This plan has met with fair success.

In decorations, the public seems to have more confidence in the town florist, thinking that he is necessarily more uptodate and more competent. It is only by showing the people that we are capable of doing the same work as the town florist that we are able to get them to trust us with their orders. Decorating—proper use of flowers and plants—is an art which cannot always be acquired. It is not merely the mechanical part but the knowing how to blend colors, and make the proper arrangement to give the best effect. I have seen a bouquet spoiled where the mechanical work was excellent, but where the ribbon with which it was tied did not blend in color, and the trade of an artistic person was lost by this error. I feel we are in a transition stage in our

The Carnation Convention at Pittsburg

The Florists' Exchange issues of Jan. 22 and 29, also of Feb. 5, will be essentially Carnation Numbers. (See advertisement on editorial page.) Very many of our readers are equally interested with the disseminators in the behavior of all the leading varieties of Carnations on the market, and to these we extend a hearty invitation to send us in for publication a summary of their experience in 1909 and their suggestions for 1910. —Write now while the mood is on you.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — BOSTON, MASS. — 24 Tremont Street

Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Robt. S. Wilson — BROOKLYN, N. Y. — Fulton St. and Greene Ave

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — BUFFALO, N. Y. — W. J. PALMER & SON, 304 Main St.

Hauswirth — CHICAGO, ILL. — The Auditorium Florist, 232 Michigan Ave.

The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

JULIUS BAER, **CINCINNATI, O.** — Fourth St.

Frank F. Crump — COLORADO SPRINGS, COLO. — Retail Florist

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

W. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

The Park Floral Co. — DENVER, COLORADO — 1706 Broadway

J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

business, when new methods and new ideas are needed. What was considered beautiful ten years ago is in many cases distasteful now. One point in which we are far behind other lines of business is in advertising. I would advocate the sending out, with the monthly bills, a small card calling attention to some specialty which we have for sale during the next month. I am anxious to see our business put on a higher plane, to make it more of a profession, not mere labor. It is a shame to see the way the shrubbery is butchered in our suburbs, just because the work is entrusted to anyone who comes along. We are far behind our European neighbors horticulturally, and we can only attain to their high standard by teaching the people that their grounds, gardens and plants should be taken care of by a man who has been trained in all departments of the business.

There is great need for young men in this work. I would like to see courses on floriculture started in our colleges, on the same plane as the courses in agriculture. For experimental purposes the public parks could be utilized. The school gardens are a step in the right direction. I do not know what our florist clubs are doing to help along this work, but they should help, as people are becoming more cultivated; the love of the beautiful is growing, and it is time for us to wake up. In many cases the public is far ahead of the florist, knowing far more about the business in general than he does.

I am afraid the desire to get money quickly has done more to put our business on a wrong basis than anything else. So many people have been advised incorrectly, and have gotten such poor results, after a large expenditure of money, that they have given up in despair.

In conclusion, I would not advise any one starting a business in a growing community unless he is well trained and has sufficient capital to purchase enough ground, to erect a store, office and greenhouse—in a prosperous locality. Even with this equipment it will require patience and probably a loss of money until one is thoroughly established, after which I see no reason why it should not be a profitable investment.

The John Breitmeyer's Sons' Store at Detroit

Our picture gives a partial view of the interior of the store of John Breitmeyer's Sons, much talked of and admired by all who have had an opportunity to visit the same.

The store is located on a corner and covers a ground space of 40′ by 50′, has five large show windows with Mosaic platforms and white marble sidings. All the walls are decorated with marble shelvings and large looking-glasses. The principal fixtures are two small round and two large long tables; the heavy green marble table plates are held up by white marble lion heads, three of which are always combined in an allegorical way. A large icebox, cooled artificially, covers half of the back wall. The office is to the left of the entrance.

The idea governing the planning and execution of this store interior was the fact that people in the habit of living in palatial surroundings desire to do their shopping in similar places. Flowers of value must be shown in valuable receptacles, therefore cut glass is in abundance.

FRANK DANZER.

All advertisers in this column are provided with Arnold's Florists' Telegraph Code No. 16

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave.

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — JACKSONVILLE, FLA. — 20 Laura St.

We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — KANSAS CITY, MO. — 1017 Broadway

I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — LOUISVILLE, KY. — 644 Fourth Avenue

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — MONTREAL, CANADA — 855 St. Catherine St., West

We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Young & Nugent — NEW YORK — 42 West 28th Street

We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North

We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street

We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

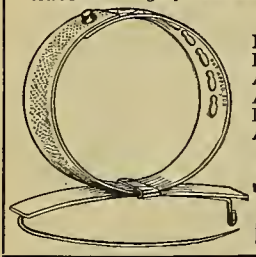
Sievers Floral Company — 70 Geary Street — SAN FRANCISCO, CAL.

"Choicest of Flowers Always on Hand."

For "Supply" Advertisements see pages 92, 93

Interior View of John Breitmeyer's Sons' Store, Detroit, Mich.

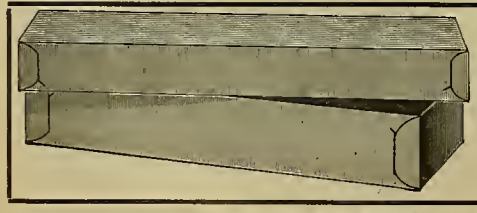
Ribbons that Create a Lasting Impression
FRESH FROM OUR MILL DAILY
Taffetas, Satin Taffetas, Messalines
Rich, lustrous Ribbons, your trade will like. Prices and samples on application.
The Pine Tree Silk Mills Co.
Philadelphia, Pa.
806-808-810 ARCH STREET
Please mention the Exchange when writing.

WILSON'S CORSAGE-BOUQUET HOLDER
Award of "Highly Commended" at the S. A. F. Trade Exhibition at Cincinnati.

Holds Corsage-Bouquets securely and gracefully.
Prevents damage to apparel.
Adjustable to any diameter of bouquet stem.
Adaptable to anything from Violets to Roses.
Does away with Corsage Pins.
A handsomely silver plated article and ornamental in itself.
Samples to the trade, **25c. each**, by mail postage paid. By the dozen **$3.00**, postage paid. Correspondence Solicited.
Address
ROBERT G. WILSON, Fulton St. & Greene Ave., BROOKLYN, N. Y.
Please mention the Exchange when writing.

FANCY OR DAGGER FERNS, $1.00 per 1000.
GALAX, bronze or green, $1.00 per 1000. **SPHAGNUM MOSS,** 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel.
Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods.
SMILAX, 50 lb. cases, $6.00.
PINE, 7c. per lb.
Telegraph office; New Salem, Mass. L. D. Phone Connection
Partridge Berries, $2.00 per 1000 or 10c. per bunch of 50 sprays.—Order now. Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $12.00 to $15.00 per 100 lbs.
CROWL FERN COMPANY, - MILLINGTON, MASS.
Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists
CUT FLOWERS OF ALL KINDS
HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES
Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.
Dagger and Fancy Ferns, $1.50 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.
A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.
Telephone: 2617--2618 Main, Fort Hill 25290.
15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**
Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK
WHOLESALE
ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roplings made on order, all kinds and sizes.
Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.
Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.
CHRISTMAS GREENS, Holly, Mistletoe, Pine Plumes, Table and Christmas Trees.
All Decorating Material in Season.
Please mention the Exchange when writing.


Cut Flower and Design Boxes
All Sizes, Lowest Prices
Write
C. C. Pollworth Co.
MILWAUKEE
Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK
We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work
Please mention the Exchange when writing.

F. E.—The Best Advertising Medium.

Bridgeport, Conn.

Bridgeport is a manufacturing town and while the local prices of florists are somewhat lower than those of the majority of cities of equal population, the amount of sales somewhat equalizes the condition. There is a partial agreement among the majority of local florists in that they observe equal closing hours and work together much better than in some other cities; and, with a few exceptions, they are all friendly with one another.

A good Christmas trade was done. While most of the florists handled Christmas trees this year they contemplate next year dispensing with this feature. A novelty here is table trees in pots, which meet a ready demand at prices ranging from 25c. up to 50c.

James Horan & Sons have a nice store located on the corner of one of the main streets near the center of the city. The window space is unusually large in comparison to the size of the store, and during the Christmas holidays was attractively decorated with made-up pots and baskets of Poinsettias, Ferns, Ficus and Cyclamens. The greenhouses are on Fairfield ave. and comprise some 60,000 ft. of glass. One house is devoted to some large plants of Camellias in bloom. This house is somewhat of a novelty as there are few in the country devoted to this kind of stock. About 15 men are employed by this firm and all stock grown is sold in the store. A recent order was for a casket cover of Chadwick Chrysanthemums. The Christmas business exceeded that of the previous year.

One of the newest stores in town is that of R. H. Hawkins, who opened September 1, after spending some 18 years with the firm of James Horan & Sons. This location, 1223 Main st., is close to the railroad station and next door to the new Stratfield Hotel. The store is unusually attractive at this time, being nicely dressed for the holiday trade and all hands are extremely busy. The best selling stock is made-up baskets and pots of Poinsettias.

The West End Florists, 1009 Broad st., have the largest store, and are located nearly opposite the post office and City Hall. This store is the oldest in Bridgeport and was formerly owned by Mr. Bassick, but is now conducted by Mrs. Herthal. Mr. Herthal is connected with a New York landscape gardening firm and has charge of considerable work on Long Island.

Fred S. Jackson, 927 State st., has been in the business for the past forty years and has had his present store for the past five years. Mr. Jackson was the only local florist to handle Anderson's Poinsettias and reported some good trade in them.

Geo. B. Whitehead of Green Farms, Conn., was a visitor at one of the local stores. Mr. Whitehead has ten houses, 20x100 ft., from which he does a wholesale business in Callas, Carnations, Chrysanthemums and Poinsettias. He reports exceedingly good Christmas trade, much better than previous years.

Jas. E. Duggan recently opened a store at 1124 E. Main st., East Bridgeport, under the name of East Side Florists. He was formerly connected with the West End florists.

John Reck & Son have a nice store at 985 Main st., in the center of the business district and three double bulk windows were filled with made-up pots and baskets of Poinsettias and Ferns grown at their greenhouses, 162 Oak st. This firm started in 1874 and have at present nearly 45,000 ft. of glass devoted to Roses, Carnations and a general assortment of stock for the retail store. J. N. Jakobsen is foreman of the greenhouses and has been here for several years, coming originally from Denver.

G. C. Bouton & Son, 408 Warren st., have one house of 2500 ft. devoted to Carnations and bedding stock. They built the greenhouse during the past Summer and are figuring on another house during the coming Spring. This firm is about seven years established and their location is conducive to good trade. A number of promising seedling Carnations are shown and are being given a good "try-out."

A visit was made to Marina Park, formerly the home of P. T. Barnum, for the purpose of seeing a much talked of Privet hedge. This hedge is nearly 700 ft. long, broken by a single driveway, and one end of it, 200 ft., is 6½ ft. high and 5 ft. wide, as clean cut and thick as any to be seen in many a day's journey.

Chas. Pflomm's Sons, at 1167 Barnum ave., have several greenhouses devoted to retail trade, and they report good business in funeral work. This firm have a series of leaflets giving cultural directions, which they hand out to purchasers of potted stock and seeds. The directions cover in detail the care of the plants and save a lot of unnecessary talk on the part of the florist. This idea can easily be followed by any florist and should be.

Geo. O. Borton & Co., 1342 Park ave., are exclusive agents for Thorburn's seeds, in which they have a nice trade. This firm is making plans to build additional glass in the coming season, in which they will grow Spring stock and vegetable plants.

Julius Reck, of the Woodlawn Conservatories, has some 3000 ft. of glass on Woodlawn ave., in which he grows Carnations, Violets and bedding stock. He came here eight years ago from Villa Nova, Pa., where he was employed by W. H. Maule, and has been in his present location for the past three years. He recently took a trip to Europe and returned with a number of novelties which he is testing, one is a Dahlia with a 6-in. spread. He has a nursery of hardy perennials, in which stock he has a good trade.

F. C. Schleichert has thirteen houses, containing about 30,000 ft. of glass, devoted to general mixed stock for cemetery work. He returned a short time ago from a European trip, bringing back a large stock of bulbs and evergreens for his nursery and landscape work, and a number of plant novelties. He has been in the trade for the past fifteen years and for the last few years in present location on Reservoir ave.

James Beach has 110,000 sq. ft. of glass at 2019 Park ave., in which he grows everything from Chickweed to American Beauty Roses. Some Callas were shown with 5-ft. stems. On this range are grown 75,000 Geraniums, 15,000 Chrysanthemums and a large number of Carnations, among which are some excellent seedlings, one, a good pink, is called the "seedless" from the fact that a customer heard them give an order over the 'phone for the seedling and she now orders what she thinks are the "seedless."

Rochester, N. Y.

Business since the opening of the new year has been entirely unsatisfactory to all concerned, as for the past few weeks there has been practically nothing going on to make use of any flowers, with the exception of a few busy days of funeral work; these, however, are of short duration and help out very little when not accompanied with a demand for cut flowers from the flower buying public.

Colored Carnations are a glut on the market and almost impossible to move, and the demand for Violets has also suffered; however, the very cold weather may have much to do with this condition. All are optimistic enough to say that the present dullness is only a fleeting one; and in a week or so, no doubt, things will be going along nicely. Current prices prevailing for the week were as follows: Roses $5 to $10; Carnations $2 to $4; Violets $1; Valley $4; Paper Whites $2.50 to $3; Narcissus Golden Spur $4; Romans $2.50 to $3; American Beauty Roses $5 to $35, quality not up to standard.

The many friends of Herbert Greensmith received with much regret the news of his daughter's death, published in last week's EXCHANGE.

Commercial Florists' Association

The annual meting and election of officers of the Commercial Florists' Association was held on Monday evening, January 10, in the new headquarter room, 416 Cutler Building. The Association at this meeting started on its third year as an organization under the most favorable auspices, namely, a bank account of some $1300 and a membership roll of 120 members, all enthusiastic and united to work for the upbuilding of an organization worthy the name of Rochester.

The most important business of the evening was the election of officers, the nominating committee presenting two tickets on which, after much good-natured discussion, the ballot was taken and the officers of 1909 declared elected to serve for the year 1910. After the business of the evening was disposed of refreshments were served, and a sociable evening spent in conversation in reference to the future of the Association and the coming convention, which latter is beginning to be a subject of lively interest among the members of the trade.

A meeting of the Association will be held Monday evening, January 17, for the purpose of discussing the proposed revision of the by-laws, and it is especially desired that a large number of members will attend and discuss this important subject. H. B. STRINGER.

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x8	$2.26	28x8x4	$4.50
13x6x3	2.25	30x6x3½	3.75
24x6x3½	3.00	36x6x5	6.60
21x7x3½	3.26		

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.60
18x13x8	9.00	36x10x6	10.00
20x20x8	10.00	30x12x7	8.60
24x24x8	12.00	28x12x4	6.60
24x18x8, Pillow Box			12.00
20x15x8, Pillow Box			10.00

10% discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.
Box 205 CASTORLAND, N. Y.
New York Office, 20 East 42nd Street

Please mention the Exchange when writing.

THE BOHANNAN VIOLET CLASP

A classy article holding the corsage securely

WHERE TO BUY:—
A. L. RANDALL CO.,
19-21 Randolph St., Chicago, Ill.
H. BAYERSDORFER & CO.,
1129 Arch St., Philadelphia, Pa.

Please mention the Exchange when writing.

ORCHIDS

CATTLEYA Warneri, C. Harrisoniae, C. Gaskelliana, C. Gigas, Hardyana type; DENDROBIUM Phalaenopsis, Schroederi; ODONTOGLOSSUM Luteo-purpureum, Sceptrum.

LAGER & HURRELL, Summit, N. J.

Please mention the Exchange when writing.

ORCHIDS

We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawrenceana, Gaskelliana, Dowiana and Percivaliana. Write to-day.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

Please mention the Exchange when writing.

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants; also importations coming, which we offer at advantageous prices.

ORDONEZ BROS., 41 W. 28th St. New York also Madison, N. J.

Please mention the Exchange when writing.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, ST. ALBANS, ENGLAND
and 235 Broadway, Room 1, New York City

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY
962 Mill Street, KENDALLVILLE, IND.

Please mention the Exchange when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the Exchange when writing.

KRICK'S Florist Novelties

Manufacturer and Patentee of
The only genuine IMMORTELLE LETTER on the market
1164-66 Greene Ave., BROOKLYN, N. Y.
For sale by all supply houses.

Please mention the Exchange when writing.

We Manufacture

ICE BOXES

THE LATEST IMPROVED
Also Florists' Novelties
WINDOW BOXES, PLANT TUBS, PEDESTALS GRILL and LATTICE WORK, RIBBON CASES and OTHER FURNITURE
THE ONLY HOUSE MANUFACTURING
Art Wood Novelties
EXCLUSIVELY FOR THE FLORISTS' TRADE
ESTIMATES SUBMITTED

FORSTER MANSFIELD MFG. CO.
145 West 28th Street
'Phone 4254 Madison Sq. NEW YORK.

Please mention the Exchange when writing.

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

Directoire Basket, with Killarney Roses, Etc.
By W. J. Palmer & Son, Buffalo, N. Y.

Coming Exhibitions

Boston, Mass., May 26-30, 1910.—Great Exhibition of Orchids and other plants, by the Massachusetts Horticultural Society. Secretary, William P. Rich.

New York, March 16-18, 1910.—Exhibition of The American Rose Society, at the American Museum of Natural History, 77th st. and Central Park West. Secretary, Benjamin Hammond, Fishkill-on-Hudson, N. Y.

Pittsburg, Pa., January 26-27, 1910.—Exhibition of the American Carnation Society, Secretary, A. F. J. Bauer, Indianapolis, Ind.

A HEARTY INVITATION

While the Carnation is up for its Annual Review we would esteem it a favor to hear from those who grow the plants. Send in notes on your experience with Carnations in 1909; together with any suggestions or criticisms you may have to offer. Do it now. Don't wait.

MUNCY, PA.—John P. Ring, for a number of years with the Evenden Brothers in Williamsport, has purchased the large greenhouses in East Muncy formerly owned by Stanley G. Bryfogle. Mr. Ring will move here shortly to take charge of the new business.

BRIDGETON, N. J.—Five years ago Frank L. Ingles started in the retail business here, opening a small store and paying $15 per month rent. Two years afterward he was forced to seek larger quarters, and now has a store 22 by 120 ft., situated in the very best part of the town, which has a population of 15,000, and up to this year he was the only florist in the center of the town. Another store has now opened up, but it only helps his business the more. His special work is designing, a specialty he learned in one of the best flower shops in Philadelphia. He also deals in poultry supplies, pets and pet supplies.

JUST PUBLISHED

Webster's NEW INTERNATIONAL Dictionary, (G. & C. Merriam Co., Springfield, Mass.) surpasses the old International as much as that book exceeded its predecessor. Editor in Chief, Dr. W. T. Harris, former U. S. Com. of Education. The definitions have been rearranged and amplified. The number of terms defined has been more than doubled. The Etymology, synonyms, pronunciation, have received unsparing scholarly labor. The language of English literature for over seven centuries, the terminology of the arts and sciences, and the every-day speech of street, shop, and household, are presented with fullness and clearness. In size of vocabulary, in richness of general information, and in convenience of consultation, the book sets a new mark in lexicography.

400,000 words and phrases.
6000 illustrations.
2700 pages.

Write to the publishers for Specimen Pages.

Please mention the Exchange when writing.

Orders by Telegraph

For twenty-five cents, cash, we will forward you a handsomely printed card, worth framing, which you can hang in a conspicuous part of your store, to let your customers know you "fill orders for flowers, plants or floral designs to any point" by telegraph.

A copy of Arnold's Florist's Code, price $2.50, will give you a key for the cipher transmission of orders to any of the advertisers in our "Directory of Reliable Retail Houses." All for sale by

The Florists' Exchange
No. 2 Duane St., N. Y.

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50
Manufactured by
W. J. COWEE, Berlin, N. Y.
Samples free. For sale by dealers

Please mention the Exchange when writing.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire
IGOE BROTHERS
Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes
63-71 Metropolitan Ave., BROOKLYN, N. Y

Please mention the Exchange when writing.

MICHIGAN CUTFLOWER EXCHANGE, Inc.

Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

Southern Wild Smilax

Now ready for shipment.
Write, wire, or 'phone the introducers.
CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA

Please mention the Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By German; general greenhouse work; good potter; sober; single. Address, L. Geh, Hesse's Printery, 249 Hamburg ave., Brooklyn, N. Y.

SITUATION WANTED—By experienced designer, decorator and florist, able to handle any branch of the business. Address, W. S., care of The Florists' Echange.

SITUATION WANTED—By Gardener and Florist. Swede, age 37, single, sober; a good worker, 20 years experience under glass and outside, private or commercial place. Address, W. I., care The Florists' Exchange.

SITUATION WANTED—Competent salesman, decorator and designer wishes permanent position. Eastern or Southern city preferred. Aged 29, married. Address, W. T., care of The Florists' Exchange.

SITUATION WANTED—A1 designer and decorator wants change of position. Able to manage a store. First-class references. Address W. N., care of The Florists' Exchange.

SITUATION WANTED—By young gardener in flower store with two years' experience in store work; is reliable and well recommended. Address W. M., care of The Florists' Exchange.

SITUATION WANTED—By a young man, six years' experience in general greenhouse work; good, quick potter; willing worker. References. Address Florist, 180 W. Broadway, New York City.

SITUATION WANTED—By man with first-class experience in cut flowers, Roses, pot plants; gardening inside and outside, private place preferred. Best references. Address, M. H., 265 E. 10th st., New York City.

SITUATION WANTED—By young man as assistant with experience in general stock growing; honest and industrious. State wages. Address Mandelbaum, care of M. Burchikofsky, 526 E. 5th Street, New York City.

SITUATION WANTED—By assistant greenhouse man; a good grower of Roses, Carnations, Chrysanthemums and general stock; good potter. Good wages expected. Address, W. L., care of The Florists' Exchange.

SITUATION WANTED—As manager for gentleman's place, public institution, park, cemetery, etc.; practical experience in all branches. References first-class. Address with particulars to C. L., care Joseph Linfoot, 1015 East McMillan Street, Cincinnati, O.

SITUATION WANTED—As store man by young man; aged 24; good salesman, designer and decorator. New York City experience with high-class trade. New York or East preferred. Excellent references. Address, W. E., care The Florists' Exchange.

SITUATION WANTED—As manager or working foreman on a private or commercial place near Philadelphia. Eleven years' experience in growing Roses, Carnations, Chrysanthemums, vegetables and bedding plants. Age, 28; married. References. State particulars. Open for engagement March 1, 1910. Address W. P., care of The Florists' Exchange.

SITUATION WANTED—By a German, experienced in Carnations, Chrysanthemums, pot and bedding plants, also vegetables under glass; good designer and decorator; thoroughly familiar with handling help. None other than large private place considered and position must be permanent. A. No. 1 references furnished. Address W. F., care The Florists' Echange.

If in need of a good situation—Advertise in our "Want" columns.

HELP WANTED

WANTED—Two assistant Rose growers in American Beauty houses. Apply, with references, to Frank Dolan, care John Young Co., Bedford Station, N. Y.

WANTED—Carnation Grower. Only a sober, well experienced man needs to apply. Wages, $12.00 per week. Geo. Peters & Sons, Hempstead, N. Y.

WANTED—Engineer or Fireman for night duty. Apply, with references, to Frank Dolan, care John Young Co., Bedford Station, N. Y.

WANTED—Good store man, maker-up and salesman, with good reference. Steady place. Le Moult, 436 Fourth ave., New York City.

WANTED—Young man for general store work; good salesman and designer, with references; state wages. Address, Chas. Limmer, 321 State Street, Schenectady, N. Y.

WANTED—A Scotch or Swedish gardener, married, to take care of gentleman's place; must milk and take care of furnace. Good place for good man. Address, A. C. Hindekoper, Meadville, Pa.

WANTED—An all-around man to take care of Palms and other plants in a Greater New York florist's conservatories and to assist in store. Address with references. W. U., care of The Florists' Exchange.

WANTED, MARCH 15, A NURSERYMAN

Of experience in packing and grading, and also a Herbaceous man. CHAS. R. FISH & CO., WORCESTER, MASS.

HELP WANTED—All-round man to take care of Palms and conservatory stock in retail florist establishment, and to assist in store. Apply, with references, to W. C., care The Florists' Exchange.

WANTED—Capable, hustling landscape gardener, sober and reliable, to assume full charge of landscape department of retail concern. Must be A1 in every respect and invest from $1500.00 to $2000.00. Address W. Q., care of The Florists' Exchange.

WANTED—First-class salesman for nursery stock for private estates and landscape work. Must understand nursery stock thoroughly and have some knowledge of landscape gardening. Must have A. No. 1 reference. Address, W. D., care The Florists' Exchange.

WANTED—A good all-around greenhouse man, single, with some experience in Roses, Carnations and pot plants, for commercial place in Massachusetts; must be a good potter. Send copy of references and state wages expected with board and room. Apply to H. Seagroatt, Russell Street, Woburn, Mass.

WANTED—Young man, married, who is sober, honest, hustling, with some experience of greenhouse and outside work on or about April 1. Advancement later on, new house to live in free of rent. State wages expected and full particulars in first letter. American preferred. Address, V. B., care of The Florists' Exchange.

WANTED SEEDSMAN

A competent man to work the gardener and wholesale trade, and to make himself generally useful in store when not so engaged. State in confidence where last employed, reference, and salary expected. Address, U. Y., care of The Florists' Exchange.

MANAGER WANTED for about 100,000 sq. ft. glass, growing Roses for the N. Y. market. Will pay good salary, use of dwelling, and an interest to the right man. Would like to correspond with someone holding a similar position. All correspondence confidential. Address, W. K., care of The Florists' Echange.

WANTED—A vigorous working gardener for a large cemetery. Must be married, absolutely temperate, active and tidy in person, courteous in manner and have experience with greenhouses, outdoor flower gardening and decorating and general routine work, and be able to handle workmen to good advantage. House on place. Give full particulars as to self and experience. Address, W. A., care of The Florists' Exchange.

WANTED—Competent counter hand for Vegetable Seed Department; energetic young man capable for road work later, preferred. Particulars to Northrup, King & Co., Minneapolis, Minn.

WORKING FOREMAN WANTED

Must have accurate knowledge of general greenhouse work and requirements. Particularly strong on Carnations, Chrysanthemums and Roses, also general plant business. Must be systematic, energetic and able to handle men. Strictly sober; total abstainer will be given preference. Middle age preferred. Permanent position for right party. References in first letter. State salary expected. 100,000 feet of glass. **The H. Weber & Sons Co., Oakland, Md.**

Prices Advertised in these Columns are for THE TRADE ONLY

HELP WANTED

WANTED—NEWSPAPER STAFF REPRESENTATIVE

A thoroughly trained gardener, experienced in all plants, a good, descriptive writer, with ability to face men, collect news and get advertising, is offered a permanent position on a horticultural paper; position involves a little traveling. No objection to a man of 50 if he is active on his feet and in good health. Give experience in full and state commencing salary desired. For full particulars address, C. B. A., care of The Florists' Exchange.

STOCK FOR SALE

CARNATIONS

CARNATIONS—Apple Blossom and Wanoka; strong rooted cuttings. Delivery, January 1. Wanoka Greenhouses, Barneveld, N. Y.

20,000 CARNATION CUTTINGS—Well rooted. Ready now. Write to Locust Street Greenhouses, Oxford, Pa. J. H. A. Hutchison, Proprietor.

FOR SALE—100,000 unrooted Winsor and 60,000 unrooted White Lawson cuttings at $10.00 per 1000. Address, L. C. Midgley, Worcester, Mass.

CARNATION CUTTINGS.
Strong, clean and well rooted.

STANDARD VARIETIES

	Per 100	1000
Enchantress	$3.00	$26.00
Rose Pink Enchantress	3.00	25.00
Winsor	3.00	25.00
Winona	3.00	25.00
Afterglow	3.00	25.00
Lawson	3.00	25.00
Melody	3.00	25.00
White Perfection	3.00	25.00
White Enchantress	3.00	25.00
Queen Louise	2.50	20.00
Beacon	3.00	25.00
Victory	3.00	25.00
Variegated Lawson	3.00	25.00
M. A. Patten	2.50	20.00

NEW VARIETIES

Alma Ward	16.00	120.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Dorothy Gordon	10.00	75.00
Pink Delight	6.00	50.00
Apple Blossom	6.00	50.00
May Day	6.00	50.00
Georgia	6.00	50.00
Mrs. J. C. Vaughan	6.00	50.00

S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia Pa.

CHRYSANTHEMUMS

ROOTER CUTTINGS OF FOLLOWING 'MUMS READY—From January 25th on—Golden Glow, October Frost, Rosiere, Minnie Bailey, Monrovia, etc.; at 60c. per dozen, $2.00 per 100; no less than 50 at 100 rate. I. M. Rayner, Greenport, N. Y.

CHRYSANTHEMUM STOCK PLANT—Last call. Golden Glow, Pacific Supreme, White Cloud, October Frost, Polly Rose, Early Snow, Ivory, Byron, White Bonnaffon, Timothy Eaton, Nonin, Merry Christmas, Duckham, Dr. Enguehard, Monrovia, Georgiana Pitcher, Bonnaffon, Yellow Baby, 3c.; $2.50 per 100. Poehlmann, 5c. Gloira, 10c., $8.00 per 100. Baby Marguerite, 20c., $1.75 per dozen. Stafford Floral Co., Stafford Springs, Conn.

CINERARIAS

CINERARIA hyb. nana, best strain from 4-in. pots, ready for shift, 8c. Primula Obconica, elegant plants from 4-in. pots, full of bud and bloom, 12½c. Hydrangea Otaksa and Thomas Hogg, all flowering crowns, 3 in., fine for pans, 5c.; 5 in. to 7 in., 10c. to 25c. each. 2000 Madame Salleroi Geraniums, r. c., $10.00 per 1000. Cash with order. Address, Jos. J. Sokol, New Haven, Conn.

EXTRA FINE CINERARIAS, 3 in. ready for 5 in. pots; Begonia gracilis luminosa in bloom ready for 4 in. pots; fine for Easter; 4c. each. Cash. F. J. Langenbach, Florist, Norwich, Conn.

GERANIUMS

GERANIUMS—S. A. Nutt, 2½ in., $2.00 per 100; E. J. Hill, 2½ in., $2.25 per 100. Cash with order. Address P. A. Peterson, Box 26, R. F. D. No. 1, Asbury Park, N. J.

MISCELLANEOUS

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices. George Peters & Sons, Hempstead, N. Y.

BEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2¼-in. pots, $12.00 per 100, $110.00 per 1000. Bay and Box Trees, in all sizes, pyramid and standards. Write for list. Orchids, largest stock in the country. Ask for prices. Julius Roehrs Company, Rutherford, N. J.

AMOOR RIVER PRIVET—Great Bargain. This is fine, 2-year stock.
5-6 ft., $4.50 per 100, $40.00 per 1000.
4-5 ft. $4.00 per 100, $35.00 per 1000.
3-4 ft. $3.50 per 100, $30.00 per 1000.
Also 1-year stock.
2-3 ft. $2.50 per 100, $20.00 per 1000.
1-2 ft., $2.00 per 100, $15.00 per 1000.
GEO. M. TODD, GREENSBORO, N. C.

STOCK FOR SALE

MISCELLANEOUS

FERNS AND ASPARAGUS
Boston, 3, 4 6 in. at 5c., 12c., and 25c.
Pierson, 3, 4, 6 in. at 5c., 15c., and 40c.
Whitmani, 3, 4, 6 in. at 10c., 20c., and 50c.
Sprengeri, 2, 3, 4, 6 in., at 2c., 3c., 6c. and 12c.
Smilax, 3 in., 3c.
GEO. M. TODD, GREENSBORO, N. C.

NURSERY STOCK—Elm, 3-4 feet, $3.50 per 100; 4-5 feet, $6.00; 6-8 feet, $12.00; 8-10 feet, $18.00. Ash, 6-8 feet, $12.00 per 100; 8-10 feet, $18.00 per 100. Maple (Soft), 3-4 feet, $3.50 per 100; 4-5 feet, $5.00 6-8 feet, $10.00; 8-10 feet, $18.00. Catalpa, 4-5 feet, $5.00 per 100; 6-8 feet, $10.00. White Birch, 8-10 feet, $28.00 per 100; 10-12 feet, $35.00. Wild Black Cherry, 8-10 feet, $28.00 per 100. Silver Leaf Poplar, 6-8 feet, $15.00 per 100; 8-10 feet, $25.00. Nioba Weeping Willow, 6-8 feet, $35.00; 8-10 feet, $40.00. German Iris, strong divisions, $3.00 per 100. Chrysanthemum Uliginosum, $3.00 per 100. Rudbeckia, Golden Glow, $3.00 per 100. Asparagus, two kinds, 1 yr., $3.00 per 100; 2 yr., $3.50 per 100. Pæonies, mixed, 3-5 eye divisions, $5.00 per 100. Pæonies, white, 3-5 eye divisions, $7.00 per 100. Pæonies, pink, 3-5 eye divisions, $6.00 per 100. Packing extra. The Newburye, Mitchell, S. D.

FOR SALE OR RENT

FOR SALE—Cottage, house and barn and three acres of land. Good greenhouses, hen-house, fruit. Easy terms. Box 24, Millidale, Conn.

FOR SALE—$50.00, nine-roomed, semi-detached house, Brooklyn; railroad facilities; acre of ground; German gardener or greenhouse man. Address, Llwyngwair, 2 Wall Street, New York City.

FOR SALE OR RENT—10,000 ft. of glass in No. 1 condition; also dwelling house. Houses are stocked with Carnations, Roses and potted plants. Steam heat. For information, inquire of W. D. Snell, Herkimer, N. Y.

FOR SALE—Retail greenhouse establishment, five houses, large work shed and store room, cottage in rear; about one acre ground. Fourteen miles from N. Y. C., two railroads, several trolley lines. Price $5000. Write Lewis H. Wise, Jersey City, N. J.

FOR SALE—Florist and seed business on Long Island, N. Y., near R. R. Station and car terminal. No opposition; town of 18,000 people. Rent cheap. Price of business, including horse and three wagons, $1000. Address, W. O., care of The Florists' Exchange.

FOR SALE—Retail Florist Business in one of the best towns in Western Pennsylvania, doing from fourteen to fifteen thousand dollars per year; greenhouse, stable, store-room and dwelling; rent reasonable; invoice about $2200.00. A1 chance for man who understands handling good trade. Address, W. B., care of The Florists' Exchange.

FOR SALE OR RENT—Greenhouse, 2000 feet of glass, 100 hotbed sash, 20 or 60 acres of rich land, 5 room house, potting shed, tool house, large barn, root cellar, wagon sheds and other buildings; opposite R. R. Station; 18 miles from New York, 7 miles from Newark, N. J. Place in A1 condition. Address, C. Hornecker, Box 31, Springfield, N. J.

FOR RENT—To a competent, sober, industrious man, four greenhouses, 12,000 feet of glass in No. 1 condition, stocked with Carnations, Ferns, Sprengeri, etc. Rent free of charge from now to July 1st, providing houses are kept in repair. First-class opportunity for a hustler. Reasons for renting, sickness and death in family. Must be taken at once at this offer. Good retail trade. Only greenhouses in town of 4000 inhabitants. Address W. R., care of The Florists' Exchange.

For Sale
WESTERN NURSERY

Forty acres of deeded and 40 acres of leased land. Stock all salable size; clean and healthy; not a scale or bug. Trade has almost doubled each year. We ship 5 to 12 hundred miles west and north of us. Trade to be supplied unlimited. We have a complete general line of nursery stock. We do a strict catalog business. Are well advertised and have a good name.

Will sell for cash, or part cash and time on balance to a man that knows the business and is a pusher. This is a good sound investment and will pay a good dividend.

Address
NURSERYMAN,
Care of THE FLORISTS' EXCHANGE

Please mention the Exchange when writing.

F.E.—Best Advertising Medium

FOR SALE OR RENT

For Sale

Store and Retail Business

A fully equipped and only store in town of 15,000 in New York State, the entire good will and an established business for more than 15 years. Business now $8,000 to $10,000 per year and can be much increased by a good, live man. On account of poor health am willing to sell at a sacrifice and $3000 will buy it. If you mean business, address,

C. B. F., Care The Florists' Exchange

Please mention the Exchange when writing.

SUNDRIES FOR SALE

FOR SALE

Special Florists' Refrigerator 6 ft. x 3 ft. x 8 ft. high, display three sides, mirror back, overhead ice, mess drawers, white enamel interior and exterior, glass shelving and tile floor. Plans, specifications and prices on application. THE DUBOIS MANUFACTURING CO., 39 Wooster st., New York City.

FOR SALE—Three greenhouses at No. 416 Elm Street, Pittsfield, Mass. Glazed with 16x24 A double thick glass; heated with one large 8-section Furman boiler, 2-in. pipe. The drip bars and other material are all of Cypress—just like new. We will sell all or any part of same. Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

MISCELLANEOUS WANTS

WANTED TO LEASE—Store or greenhouses in good retail location. State particulars. Address Box 97, Jersey City, N. J.

WANTED—To buy, a good paying retail florist business. State particulars. Handy to Boston preferred. Address, W. G., care The Florists' Exchange.

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED TO LEASE—8-12,000 feet of glass. Houses must be in good condition. Full particulars in first letter. Address, P. A. Knoll, 72 Ackermann Ave., Clifton, N. J.

WANTED—To lease, greenhouse establishment in good retail location; houses must be in good condition. Full particulars in first letter. Address, W. H., care The Florists' Exchange.

WANTED TO LEASE—A greenhouse establishment containing from 15,000 to 30,000 sq. ft. of glass, good condition, in vicinity of Philadelphia. Address the Philadelphia office of this paper, 34 So. 16th Street, Philadelphia, Pa. (A. H. Secker, Rep.)

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Reebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

KILLED

All pests that trouble greenhouse plants. Write us and we shall be pleased to send you a list of our customers with whom we know you will be acquainted. What better advertisement can be had than the recommendation of leading florists for Getsthere Insecticide Soap. 1-gal. can $1.00, 50 lbs. $3.50.

GETSTHERE SOAP CO., Conshohocken, Pa.

Please mention the Exchange when writing.

A HEARTY INVITATION

While the Carnation is up for its Annual Review we would esteem it a favor to hear from those who grow the plants. Send in notes on your experience with Carnations in 1909; together with any suggestions or criticisms you may have to offer. Do it now. Don't wait.

FOR SALE

FLORISTS' ICE BOX 8 ft. x 8 ft., two upper doors, bevelled French mirrors, two lower doors, double thick glass, second-hand but in good condition, $35.00.

RADIATORS Steam, 1½c. per lb; hot water, 2c. per lb. Guaranteed. All sizes in stock.

BOILERS The following new, round, portable hot-water boilers—guaranteed, 16-in., rated to heat 1,125 sq. ft. of glass, $34.00. 19-in., rated to heat 1,500 sq. ft. of glass, $46.00. 22-in., rated to heat 2,250 sq. ft. of glass, $64.00. 25-in., rated to heat 3,075 sq. ft. of glass, $90.00. No. 45, rated to heat 4,200 sq. ft. of glass, $118.00. No. 331, rated 6,975 sq ft. of glass, $174.00. Get our prices on second-hand boilers. We have one of the largest stocks of new and second-hand round and sectional hot-water and steam boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5½c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

STOCKS AND DIES New and Second-hand About 50 sets of the following make: Ecenomy. Genuine Adjustable. In sizes threading from ⅛-in. to 4-in. pipe.

PIPE VISES New and second-hand; gripping ⅛-in. to 4-in. pipe.

PIPE CUTTERS New and second-hand Saunders pipe cutters and three wheel cutters. All sizes.

STILSON WRENCHES New and second-hand in all sizes, and flat chain wrenches, capacity up to 8-in.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft., 85c.; glazed complete $1.60 up. 175 new 1¾-in. sash, painted, glazed with four rows of 7x9 glass at $1.65. Also 1¾-in. new sash painted and glazed with three rows 10x12 double, at $1.80 each.

PANSY AND FLOWER BOXES. All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box. 8x10, 10x12 and 10x15 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y

Please mention the Exchange when writing.

Please mention the Exchange when writing.

Commercial Violet Culture *Price $1.50*

The Florists' Exchange, 2 to 8 Duane St., N. Y.

Greenhouse Wrecked by Explosion

Chas. R. Tusson's store, adjoining his greenhouse, in Windsor, Ont., was wrecked Wednesday, Jan. 12, by an explosion of natural gas. A leak had been suspected for several days. One of the employees, Miss Winters, was looking for it with a lighted match when the explosion took place. Fortunately, nobody was injured. Damage, $2000, fully insured.

F. DANZER.

Milford, Conn.

R. H. Comstock Co. have 8000 sq. ft. in which they grow a large quantity of Ferns; Boston and Scottii are the leaders and a good-sized shipping business is done in this stock. They also grow Carnations and bedding plants to supply their local trade. Mr. Comstock came here about eleven years ago from Clinton, Conn.

Bridgeport, Conn.

Fred. S. Jackson was taken sick while visiting friends in Danbury on Christmas day, and was confined to his house for about two weeks.

E. B. Jennings of Southport has two houses devoted to Pansies and shows some blooms of excellent coloring and splendid size. The majority are of the light color mixtures. Mr. Jennings has been connected with the floral business for the past 50 years and makes a specialty of Pansies, of which he grows large quantities, both under glass and in the field.

Geo. B. Whitehead of Greens Farms, Conn., has nearly 18,000 ft. of glass devoted to wholesale shipping trade in Carnations, Chrysanthemums, Lilies and Spring stock. His Lilies, both Harrisii and longiflorum show promise of becoming good stock in time for Easter. Mr. Whitehead was formerly in the retail business in Bridgeport, but for the past five years has given his entire attention to wholesale growing.

Oswego, N. Y.

Trade continues remarkably good; there has been a noticeable increase in large out-of-town funeral orders, which has kept stock well worked up.

Christmas trade was good, about the same as last year. Owing to the advance in the price of cut flowers there was a larger sale of pot plants. Cherries, Primulas and Poinsettias sold well; higher priced stock, such as Azaleas moved slowly.

Holly was not up to grade but was sold out as the trade bought cautiously. Wreaths were good and sold well.

In cut flowers Richmond and Killarney Roses led; red and pink Carnations had the next call. Violets sold well; Valley, Romans and Paperwhite Narcissus were not in much demand.

Stewart was fortunate in having his Carnations in just right, and had a big cut.

W. Workman's stock of pot plants was very large and complete; his Primulas, Cyclamens, Poinsettias, Cherries and Azaleas were remarkably good, and he sold out.

H. Y.

Pasadena (Cal.) Gardeners' Assoc.

The annual election of officers of the Pasadena Gardeners' Association was held Jan. 7, with the following result: President, Otto Hentschey, re-elected. Vice-president, James McGillivray. Secretary, Angus McLeod, re-elected. Assistant secretary, G. W. Johnson. Treasurer, Wm. Hutchinson, who is not only a skilled gardener, but a singer possessed of a wonderfully beautiful voice. Trustee, W. J. Loomer.

This Association, now entering on its fifth year, is remarkable for four things: 1. The regularity of its meetings, twice each month since its organization; 2. The large attendance at every meeting; 3. The harmony existing among its members; and 4. The unprecedented record of founding a monthly magazine, The Pacific Garden, not with any hope of financial gain, but from altruistic motives and loyalty to the land of their adoption, that through it, their fellow men who, like themselves, have an inherent love of flowers, may acquire a knowledge of plant life and its successful cultivation on this Coast with its peculiar climate.

To those who have never seen the periodical I wish to say that it is printed on the best book paper obtainable and illustrated with half-tone cuts of the finest specimens of native and exotic subjects of the vegetable kingdom found growing in southern California.

P. D. BARNHART.

Rooted Cuttings

Fine, Clean, Strong, Well-rooted Stock

Carnations

	100	1000
O. P. Bassett	$6.00	$50.00
Victory	2.50	20.00
Beacon	2.50	20.00
Enchantress	2.00	15.00
Winsor	2.00	15.00
Rose Pink Enchantress	1.50	12.50
Lawson	1.50	12.50
White Perfection	2.00	15.00
White Lawson	1.50	12.50

Roses

	100	1000
Richmond	$2.00	$17.50
Chatenay	2.00	17.50
Bridesmaid	2.00	17.50
Bride	2.00	17.50
Uncle John	2.00	17.50
Ivory	2.00	17.50
Killarney	2.50	20.00
Perle	2.50	20.00
Sunrise	2.50	20.00

Peter Reinberg

35 Randolph St.

Chicago

Please mention the Exchange when writing.

Special Bargain

We only have left 150 of the Callas advertised last week, extra fine in 5-in. pots, ready to bloom. They need planting out or shifting into larger pots. $2.50 per dozen, $15.00 per 100. (50 at 100 rate.) $20.00 for the lot. Speak quickly. This will be your last chance.

T. N. YATES & CO., 7356 Germantown Ave. PHILADELPHIA, PA.

Please mention the Exchange when writing.

Rooted Cuttings

Vinca Variegata, $1.00 per 100; $8.00 per 1000.

CARNATIONS
WINSOR, VIOLA SINCLAIR, PROSPECTOR

J. W. ADAMS & CO., Springfield, Mass.

Please mention the Exchange when writing.

FEVERFEW

2,000 ROOTED CUTTINGS

Per 100, $1.50; per 1000 $10.00

THOMAS STOCK
251 Minot St., DORCHESTER, MASS.

Please mention the Exchange when writing.

We Pay The Freight on cut-flower and design boxes. See our price list on page 93, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.
Box 200 - - - Castorland, N.Y.

Please mention the Exchange when writing.

Our advertisers will find our

Stock for Sale Column

most advantageous for advertising special lots of plants, nursery stock, seeds, bulbs, etc.

For Quick Sales

To Progressive Carnation Growers Looking for Profits

You are looking for the variety that will show the most profit, plus the greatest satisfaction to your customers.

Very well, this Carnation will do both. Dorothy Gordon is vigorous and disease-free, with flowers of uniform color—a shade darker than Pink Enchantress. It produces at least a third more Carnations than does Enchantress, and much larger—average flowers of Dorothy Gordon measure 3 inches or more in diameter. It has a stiff stem, and is a long keeper.

Carnation Dorothy Gordon

It has regularly brought us double the profits of the leading commercial sorts—Enchantress for instance. Let me illustrate:

"Enchantress" sells at wholesale in the Philadelphia markets at $6 per 100; "Dorothy Gordon" has regularly brought us $9 per 100. In addition, "Dorothy Gordon" produces easily one-third more flowers, or an additional $3—giving a return of $12 from the same greenhouse space that would be required to grow $6 worth of "Enchantress!"

We are selling strong rooted cuttings at $10 per 100, or $76 per 1000. We are ready to demonstrate to you that you can grow Dorothy Gordon with greater profit than any other commercial Carnation. We invite you to come to Wyncote and see it growing in our houses; if you cannot do this, write for full particulars—we'll furnish some Carnation facts that will interest you!

JOSEPH HEACOCK COMPANY, Disseminators, Wyncote, Pa.

Please mention the Exchange when writing.

SANGAMO

Brilliant glistening pink, brighter than Winsor or Winona

WINNER AT CHICAGO, ST. LOUIS AND MILWAUKEE FLOWER SHOWS

Perfectly formed flowers on long, stiff stems; calyx does not split. The most **PROLIFIC** Carnation grown to-day. Everybody pronounces it the best "bread-and-butter" Carnation they have ever seen growing.

Rooted Cuttings, ready Jan. 1st., **$12.00 per 100, $100.00 per 1000.**

CHICAGO CARNATION CO. JOLIET, ILL. — **A. C. BROWN** SPRINGFIELD, ILL.

Please mention the Exchange when writing.

CONQUEST

Light pink overlaid with deep rose. The most valuable and fancy Carnation on the market.

WINNER OF FIRST PRIZE WHEREVER SHOWN

Habit of Lawson; very free; stem long as Enchantress, and stiff; the flowers are large and well formed, making a good impression wherever shown, and can be used to good advantage in many different ways.

CHICAGO CARNATION CO.
A. T. PYFER, Mgr. JOLIET, ILL.

Please mention the Exchange when writing.

MARY TOLMAN

Winner of First Prize at Milwaukee. Deep flesh pink, the most beautiful color of any in this class. Does not fade in the strongest light. An excellent, clean, upright grower, long, stiff stems and perfectly formed flowers. Will produce more perfect blooms in a season than Enchantress. We want your order for this excellent Carnation. Orders booked now for January, 1910, delivery

$12.00 per 100, $100.00 per 1000.

A. E. HUNT & CO., EVANSTON, ILL. — CHICAGO CARNATION CO., JOLIET, ILL. — HUNT BROS., PARK RIDGE, ILL.

Please mention the Exchange when writing.

Rooted Carnation Cuttings

WHITE	100	1000
Alma Ward	$15.00	$120.00
Shasta	12.00	100.00
Niagara	6.00	50.00
Georgia	6.00	50.00
Mrs. J. C. Vaughan	6.00	50.00
White Perfection	3.00	25.00
White Enchantress	3.00	25.00
Snow Flake	3.00	25.00
Lloyd	2.50	20.00
RED		
O. P. Bassett	6.00	50.00
Beacon	3.00	25.00
PLUM COLOR		
Gov. Dineen	6.00	50.00
CRIMSON		
Ruby	6.00	50.00
Wanoka	6.00	50.00

PINK	100	1000
Admiration	$12.00	$100.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Mary Tolman	12.00	100.00
Dorothy Gordon	10.00	75.00
May Day	6.00	50.00
Winsor	3.00	25.00
Afterglow	3.00	25.00
Winona	3.00	25.00
Enchantress	2.50	20.00
Rose Pk. Enchantress	2.50	20.00
VARIEGATED		
Conquest	12.00	100.00
Bay State	6.00	50.00
Apple Blossom	6.00	50.00
Mrs. M. A. Patten	2.50	20.00

Strong, clean cuttings—Ready for shipment now.

S. J. REUTER & SON, Inc., Westerly, R. I.

Please mention the Exchange when writing.

Carnations

Rooted Cuttings

WHITE	100	1000
Apple Blossom	$6.00	
Mrs. J. C. Vaughan	6.00	
White Perfection	2.60	$22.00
White Enchantress	2.60	22.00
The Queen	1.60	12.00
PINK		
Pink Delight	7.00	
Afterglow	6.00	40.00
Viola Sinclair	3.60	
Lawson Enchantress	3.60	30.00
Winona	2.60	20.00
Rose Pink Enchantress	2.60	22.00
Enchantress	2.00	18.00
Mrs. Thos. Lawson and Winsor	1.60	14.00
RED		
Beacon	2.25	20.00
CRIMSON		
Harvard	3.60	30.00
Harry Fenn	1.60	12.60

January and February delivery.

Cash with order. Quality guaranteed or money refunded.

B. F. BARR & CO., Keystone Nurseries
Lancaster, Pa.

Please mention the Exchange when writing.

A new Carnation Seedling of wonderful merit will be offered to the Florists' Trade in February, 1910. Orders booked now. This Carnation,

"The Constant"

Grown by Wm. Bester, of Hagerstown, Md. Color between Rose-pink and Winsor. Produces long stems and large blooms from October to June. Free of any disease and no cropper. Calyx perfect. Blooms keep in good condition ten days. This Carnation grown and tested by Mr. Bester for three years and all points guaranteed. The original seedling produced under the most scientific cultural conditions, and will supersede the Lawson. Price for Strong Cuttings, only $10.00 per 100, $90.00 per 1000.

C. S. FORD, Box 4515, WEST PARK PHILADELPHIA, PA.

Established 1881. Florists' Supplies, Novelties, etc.

Tioga branch conducted by A. M. FORD, Tioga, Philadelphia, Pa. Also representing A. HERMANN, Florists' Supplies and Metal Designs, 404-412 East 34th st., New York, and others.

Please mention the Exchange when writing.

CARNATION CUTTINGS

	100	1000
Beacon, Enchantress, White Enchantress, White Perfection, Winsor	$2.60	$20.00
Winona, Lawson, Enchantress	3.00	25.00
Georgia	6.00	40.00
Pink Delight	6.00	50.00

WHITE BROTHERS,
GASPORT, N. Y.

Please mention the Exchange when writing.

CLUBS and SOCIETIES

Elberon (N. J.) Hort. Society

The Elberon Horticultural Society held its first meeting of the new year on January 3, president Peter Murray in the chair. The competitions for points resulted as follows: C. Duncan, for Freesia Purity 85; A. Bauer, White Perfection Carnations, 85; W. Seymour, Enchantress Carnations, 75c. The next meeting of the Society will be Carnation night, January 17. As Carnations are very good in this section we look for a nice display.

ALEX. FLEMING, Cor. Sec.

New Jersey Floricultural Society

A regular monthly meeting of this Society is to be held on Friday, January 14, in its rooms in the Lindsley Building. The annual installation exercises for the new officers will be held and reports as to the condition of the Society, etc., given.

The following officers will be installed: President, Albert F. Larson, gardener to A. B. Jenkins; vice-president, Detrick Kindegrab, gardener to Wm. Runkle; secretary, William Reid, gardener to S. & A. Colgate; treasurer, Walter M. Gray of Maplewood.

JOSEPH B. DAVIS, Sec'y.

Milwaukee Florists' Club

The Milwaukee Florists' Club held its regular meeting Thursday evening, January 6, and installed the newly elected officers: Nic Zweifel, president; Alexander Klokner, vice-president; Eugene Oestricher, secretary; J. G. Heitman, treasurer.

The weather was exceedingly cold, which kept down the attendance somewhat, nevertheless the Club had a very successful meeting. It was voted to hold another flower show next Fall and a guarantee fund to that effect is now being made up among the Club members.

The Club holds its regular meeting monthly, on the first Thursday of each month. Meetings are held in the Club rooms at the Quiet House, corner of Mason st. and Broadway. Officers are elected at the meeting in December and installed at the first meeting in January.

C. C. P.

Detroit Florists' Club

There was a significant contrast between out of doors and the inside of the meeting room. While some razor-edged winds cut into cheeks and ears out doors, rather overheated arguments caused blisters on the feelings of some of the members, and all this over the question of be or not to be—flower show or no flower show. Finally, the angel of peace arrived, harmony settled down and a decided vote in favor of a flower show next Fall was cast.

Our ever alert president got busy at once and formed the following committees:

Arrangements: Wm. Dilger, Fred Breitmeyer; Alb. Pouchelon, Walter Taepke; prizes: M. Bloy, Herm. Knope, Wm. Brown, Robt. Klagge; finance: Alb. Pouchelon, Frank Danzer, J. F. Sullivan, A. van Boeslager; entertainments: Wm. B. Brown, Chas. Scribner, Rob. M. Rahaley, S. Stock; advertising: Frank Danzer, J. F. Sullivan, Hugo Schroeter.

This at last has set the ball rolling towards a Fall flower show, the last one of which was held ten years ago in this city. Verily, time we should wake up!

The annual entertainment and dance for members and their friends will be at Harmonie Hall, January 12.

FRANK DANZER.

Florists' Club of Washington, D. C.

The Club, in connection with its regular monthly meeting held at 1214 F st. on the evening of Jnuary 4, gave a "Colonial Smoker" to those present, presenting as a souvenir to each guest a clay pipe with the "Whole Damm Family" and the dog represented in miniature, protruding from the bowl of the pipe.

The attendance was larger than usual, but little business was transacted, the attention of the Club turning at once, upon the next meeting night when it was proposed to have the ladies present and enjoy a banner social evening. Accordingly, Pres. Kramer appointed the following as a committee to select a suitable place for the entertainment, and arrange programs: Geo. H. Cooke, Wm. F. Gude, Wm. Marche, Edw. S. Schmid and W. W. Kimmell.

A resolution was favorably passed by which an amendment to the constitution and bylaws of the Club was adopted, changing its present form for receiving new members. The amendment instead of allowing a candidate to make application for membership and be admitted on the same evening restricts his acceptance until after an investigation by the newly formed credential committee consisting of O. A. C. Oehmler, W. W. Kimmell and M. Belling. Refreshments were served and it was past midnight when the Club members realized that the large Gude clock had not been "stopped to save time."

JAS. L. CARBERY.

The Carnation Convention at Pittsburg

The Forists' Exchange issues of Jan. 22 and 29, also of Feb. 5, will be essentially Carnation Numbers. (See advertisement on editorial page.) Very many of our readers are equally interested with the disseminators in the behavior of all the leading varieties of Carnations on the market, and to these we extend a hearty invitation to send us in for publication a summary of their experience in 1909 and their suggestions for 1910—Write now while the mood is on you.

Carnation Cuttings

For Present and Later Delivery

	100	1000
Beacon, Enchantress, White Enchantress, White Perfection, Winsor	$2.50	$20.00
Winona, Lawson Enchantress	3.00	26.00
Georgia	5.00	40.00
Pink Delight	6.00	60.00

We still have a few S. A. Nutt Geranium Cuttings at $10.00 per 1000.

GEO. B. HART
24 Stone St., ROCHESTER, N. Y.

Please mention the Exchange when writing.

Carnations

ROOTED CUTTINGS

You will find my stock full value for money expended, and I want a trial order, no matter how small. Prices given on request. State how many you will want of each variety and when they are to be delivered. It will pay you to write.

White Perfection, White Rose, Pink and Lawson Enchentress, Winona, Winsor, Lawson, Afterglow, Alvine, Beacon, O. P. Bassett and Harry Fenn.

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

ROOTED CUTTINGS

	Per 100	1000
Perfection	$2.25	$20.00
Georgia	5.00	
Enchantress	2.00	16.00
Pink Delight	6.00	
Rose Enchantress	2.00	16.00
Winona	3.00	26.00
Afterglow	3.00	25.00
Winsor	2.00	16.00
Mrs. Patten	2.00	16.00
Harry Fenn	2.00	16.00
Beacon	2.50	20.00

QUIDNICK GREENHOUSES
J. H. Cushing, Prop., Quidnick, Anthony P. O. R. I.

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, $12.00 per 100, $100.00 per 1000.
Alma Ward, $15.00 per 100, $125.00 per 1000.
Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett, $6.00 per 100, $50.00 per 1000.
White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink, Enchantress and Harlowarden, $3.50 per 100, $30.00 per 1000.
New crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons, at 25c. and $1.00 per package.

CHAS. H. TOTTY
MADISON, N. J.

Please mention the Exchange when writing.

NEW CARNATIONS

The two prize winning introductions of the Cottage Gardens.

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full center; color deep pink several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower and has never shown disease of any kind.

AWARDS

Society of American Florists, Silver Medal, Boston, 1906; The Craig Cup for Best Seedling, Philadelphia, 1906; The Lawson Bronze Medal, Washington, 1908; The Horticultural Society of New York Silver Medal, Sweepstake prize for best 100 blooms, New York, 1909; The Horticultural Society of New York Diploma, for best new variety, New York, 1909.

PRICES FOR ROOTED CUTTINGS

$2.00 per 12, $12.00 per 100, $100.00 per 1000. 25 at the 100 rate, 250 at the 1000 rate.

ALMA WARD

This beautiful Carnation is pure white except during dark weather when it shows delicate splashings of pink similar to the Cattleya Orchid, increasing its popularity.

ALMA WARD is the largest and most fragrant Carnation ever grown, producing perfect flowers 3½ to 4½ inches in diameter on strong, erect stems 36 to 42 inches in length.

AWARDS

The Lawson Silver Medal, Toronto, 1907, (No Gold Medal having been awarded); The Lawson Gold Medal, Washington, 1908; The Society of American Florists' Silver Medal, Washington, 1908.

PRICES OF ROOTED CUTTINGS

$3.00 per 12, $5.00 per 25, $9.00 per 50, $15.00 per 100, $35.00 per 250, $65.00 per 500, $120.00 per 1000.

Delivery February 1st. January Cuttings all sold.

These varieties bring from $2.00 to $4.00 per 100 more than any other Carnation sold in the New York market.

COTTAGE GARDENS CO., Inc.
QUEENS, LONG ISLAND, N. Y.

Please mention the Exchange when writing.

Strong, Healthy, Well Rooted Cuttings, Now Ready

	100	1000
GEORGIA, best white	$6.00	$50.00
HARVARD, crimson	4.00	35.00
FAUST, Christmas scarlet	3.00	25.00
ENCHANTRESS	2.50	20.00
ROSE PINK ENCHANTRESS	2.50	20.00
WHITE ENCHANTRESS	$3.00	$25.00
WINSOR	2.50	20.00
BEACON	3.00	25.00
VICTORY	2.50	20.00
BAY STATE	6.00	50.00
VICTORIA (extra good)	4.00	35.00

Remember, we guarantee satisfaction.

Address all orders to

JAMES D. COCKCROFT, NORTHPORT, L. I., N. Y.

Please mention the Exchange when writing.

JUANITA

A Good Scarlet Carnation

Calyx never bursting—color bright—stem, very strong—a steady bloomer—and a large flower.

Come and see it as often as you like.

Rooted Cuttings, $10.00 per 100; $80.00 per 1000; $300.00 per 5000.

THE FILLOW FLOWER CO., FLORISTS, Westport, Conn.

Please mention the Exchange when writing.

LUCILLE

The new Carnation, that will bring you more dollars and cents than any other Carnation. Try it. $12.00 per 100; $100.00 per 1000.

Write for circular.

A. F. LONGREN, Des Plaines, Ill.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Announcement

BY arrangement with Messrs Patten & Co., all future orders for **Shasta** will be filled and shipped from Indianapolis. To save time in getting your order booked you should send your order direct to us. And by the way, if you want your cuttings early in February you should send in your order at once.

Shasta has averaged us 8½ blooms per plant by Jan. 1st. Come and see it growing and be convinced that it is the greatest money making white Carnation today. We invite the closest inspection. $12.00 per 100, $100.00 per 1000.

SEND FOR OUR LIST OF PRICES ON NEW AND STANDARD VARIETIES

PATTEN & COMPANY
TEWKSBURY, MASS.

BAUR & SMITH
INDIANAPOLIS, IND.

Please mention the Exchange when writing.

We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(12) **Palm Leaves Infested.**—Herewith samples showing incrustation of a hard, black scale. Kindly advise me how to get rid of the trouble.—H. M., N. Y.

—If your Palm leaves are very badly infested with scale would advise a thorough hand washing after which a regular fumigation or spraying with Aphine, Nicoticide, or some other equally effective insecticide, every two weeks.

(13) **Dracæna Indivisa Diseased.**—Enclosed I send you a few leaves of Dracæna indivisa showing a disease which I think is a sort of scale. I have washed them with a strong solution of whale-oil soap, mixed in warm water. I washed them leaf by leaf about two weeks ago and now they are starting to get full of it again. Please let me know what to do for a remedy?—A. S., Ohio.

—We notice that the scale on your sample leaves is apparently young, and would impress on you the need of frequent sprayings of insecticides (as advertised in our columns) at least once every week until you have them in check, underneath as well as above the foliage. By keeping at it you will eventually destroy all the pests.

(14) **Ants on Carnations.**—Please inform me through your valuable paper, a remedy for ants on Carnation flowers; they are so bad they eat into the calyx while flowers are still in the bud; they are ruining my whole house. Be sure and answer this week.—E. L., New Jersey.

—Your trouble is a serious one, and has been seldom met with in our experience. If you can locate holes or nests of the ants in the soil make several small holes carefully about 4 to 6 inches deep, 9 inches apart, into each pouring about a tablespoonful of bisulphide of carbon closing the holes immediately to prevent fumes arising. This will kill anything within reach. Procure liquid from the local druggist. Ants generally have regular runways, watch for these and place near them several small quantities of sugar, honey, cookies, or anything sweet, that has first been liberally sprinkled with Paris green, London purple or some other poisonous powder. Do not excite the suspicions of the ants, they are intelligent insects and you may drive them away temporarily to appear in greater numbers elsewhere. Be patient, and you will win out. Let us know how you succeed. Perhaps a reader can supply a different remedy.

(15) **Bordeaux Mixture.**—I notice in your issue of January 1 an article on fungus on Palm leaf. Will you kindly tell how to make a weak solution of Bordeaux Mixture and how to use it?—M. C. S., Louisiana.

—Dissolve 6 (six) pounds of sulphate of copper in 4 (four) or more gallons of water. In another vessel slake 4 (four) pounds of quick lime (6 pounds air-slaked) in a small quantity of water. When the latter mixture has cooled it is poured into the copper solution, care being taken to mix the fluids thoroughly by constant stirring, and add water to make about 40 gallons of mixture. Stir before applying. This is a normal Mixture. (Gironde.)

HEATING QUERIES

Conducted by U. G. Scollay

Inquirers Read This

Subscribers asking questions for Heating Problems must be particular to give the following: Length, width, height at ridge, height at eaves, glass on sides, glass on ends, position of house as regards points of compass, grade of house, location of boiler pit, size of boiler pit, depth of boiler pit, size and location of chimney, temperature desired in each house, whether steam or hot water is used for heating, number of pipes and size in each house, dimension and position of benches, location of doors. The above information I must have before I can answer any definite questions regarding any heating plants already installed.

If the inquiry is for proposed new house or houses, send full measurements of the houses as described above, including glass, proposed location of boiler pit, proposed location of chimney, position of house as regards points of compass, number and position of benches, temperature required of purposes for which the houses are intended; whether steam or hot water heat desired.

Subscribers who may contemplate asking for information regarding heating apparatus are particularly requested to cut this out, so that when they write, the questions will be answered fully, and will save time and help the writer materially to arrive at the proper conclusions. U. G. Scollay.

Mr. U. G. Scollay, who kindly answers the questions in this department, as President of the Master Steam and Hot Water Fitters' Association of New York City has been entirely occupied with the duties of that office for the past five weeks, in connection with a strike and the making of a new agreement, which fact, he trusts, will satisfactorily explain the delay in answering the questions submitted.

I intend to build an addition to my present greenhouse, according to the inclosed diagram, which will be 20′ x 20′, also a leanto 6′ wide on the southeast of the boiler shed. I wish to run a 2″ main from the boiler up near the ridge to the southwest end of the house, thence returning with 1¼″ pipes for radiation. Will you kindly advise me how many of these I will require and where to locate them? The only bench in the house will be a 3′ bench joining the boiler shed, the balance to be in raised beds. The only exposure to severe winds is on the southwest end, and that is partly protected. J. M. B., New Jersey.

—If you have decided to use 1¼″ pipe for most of the heating surface, would advise using two 2″ flows instead of one in this house. The balance of the heating surface in coils of 1¼″ pipe, consisting of twenty-five runs of that size. In the leanto have one 2″ flow, and eight 1¼″ pipes in coils. The above will give you a temperature, providing you have sufficient boiler power and good circulation, of at least 60° to 65° in zero weather. I cannot very well tell you where to locate the 1¼ coils, for your sketch shows no position of beds. You can divide the coils up so that they will be distributed in the pathways, and hung on the side walls of the beds. I would divide these 1¼″ in the 20-foot house into at least four coils.

Here is a problem for the heating column of the Florists' Exchange. I have a Pierce, Butler & Pierce boiler No. 1512, supposed to carry 400′ of 2″ pipe or 250′ of radiation. I have this boiler installed in a small greenhouse, 12′ x 25′, and located in it as per the enclosed sketch, but I can not get it to heat up more than 44° even in mild Winter weather; somehow or other the circulation is not good. Have got to have a real good fire to even get it to 44°, and yet it is supposed to heat a house 12x50 to 50° with zero weather outside. I am out in the Catskill Mountains, at an elevation of 2600 ft. above tide water, and have no city water pressure. The boiler is set in a pit 2′ deep, in one corner of the house. There are two systems coming out of the boiler, one on each side of the house, with one flow over the bench and a coil of two 2″ pipes under the bench and coming back to the boiler. In coming back to the boiler both systems join and enter as one through 2″ pipe. In fact, the house is piped with 2″ pipe throughout, except under the middle bench where a 1½″ pipe leaves the flow near the expansion tank, and drops under the bench running in one pipe to the farther end of it and coming back in a coil of 2 pipes 1½″ and entering the return of one of the systems at the point marked A. Would say that this middle system has a gradual drop of ½″ to the foot. The water does not get hot so that one can't lay one's hand on the boiler, no matter how good a fire. Would say that the pipe over each side bench marked B runs close to the glass, 6″ away from it. The question is where is this piping wrong and how can I remedy it? Or if wrong altogether, how should it be piped? Keeping in mind that I have an addition on the end of it, 12 x 25, more to pipe and connect with the present piping, which will then be the supposed capacity of the boiler. I have tried to tell you all points so you could advise more intelligently, but if any other information is wanted will gladly send it. I want to keep the house at 50°. W. H. S., New York.

—You state that the boiler is a No. 1512 Pierce, Butler & Pierce, and that company rates, for hot water, this boiler at 400 sq. ft. I would not care to place on it, according to their rating, any more than 500′ of 2″ pipe for greenhouse purposes. Probably you are wrong in the number of boiler you give me. But assuming that the boiler is rated at 250 sq. ft., as you state, and not 400 as the makers state, would say that I would not like to put on it more than 300′ of 2″ pipe. The boiler is evidently large enough for your present wants, and so I will therefore offer suggestions as to why your circulation is not better.

The matter that bothers me most, is the fact that you say you never get the boiler very hot. This leads me to suppose that you do not have a good fire, even though you may think so. Try this boiler with small size coal, say nut size. Is your draft good? There is evidently something more the matter than the piping, for you certainly should be able to get the water very hot in the boiler.

You have sufficient piping, assuming that your sketch calls for two 2″ pipes under each side bench, and three 1½″ under the middle bench, also one 2″ pipe over each side bench, to maintain about 50° in zero weather.

After looking up the fire question, see if you have a steady rise in the flow pipes from the boiler to the cross section on which the expansion tank is located. I assume from your sketch that you vent through the expansion tank. Be sure from the cross pipe, which you state runs level, to flow toward the far end of the house, and from there back to the boiler, without any traps in the pipes whatever. The return connections from the coils to the mains would best be in the side of the main. How much higher are the coils under the benches than the return openings in the boiler? You should try to obtain as much height as possible, and for that reason I would suggest that if you will lower the boiler pit you will get hetresults. I can see almost positively that your trouble is either in a bad draft, or the apparatus is air bound or trapped, or a combination of both. I should be glad to hear from you further after you have adopted my suggestions, when I may be in a position to answer your requirements better.

We have a house built 46′ x 12′, running east and west; north wall 8′, made of boards and plastered; also top and ends same way, door in each end; south wall 9′ high of 12″ x 16″ D. S. glass. How can we best heat it to prevent freezing in zero weather? Just above freezing is all we want. S. S., Louisiana.

—Place five 2″ pipes in this house, and you will easily maintain 40° or less if you desire. Get a small hot water boiler having a capacity of about 200′ of 4″ pipe. These pipes can be placed on each side of the house. One coil on the side with the glass, consisting of one flow and two returns, and the other one one flow and one return. I suppose you know the necessary precautions, grade up from boiler to the far end, fitted with air cock, at highest point, or air vent to the height of the expansion tank. In fact you could locate the tank on a small job of this kind at the highest point on the end of one coil.

Pittsburg

Preparing for Reception A. C. S.

The first meeting of the Florists' Club in the new year was held last week in the Fort Pitt Hotel and was unusually well attended. The membership list is growing wonderfully; it must be on account of the coming convention of the American Carnation Society, as 13 new members were elected. Several delinquent members, whose dues have not been paid within a few years, and some who left the city, were dropped from the list. Most of the committees who have charge of matters in connection with the coming meeting of the A. C. S. had reports to make and everything is progressing nicely.

The chairman of the Finance Committee requested that the secretary of the Club send a notice to all subscribers to the fund for the entertainment of the visitors to send in their subscriptions at once.

The Entertainment Committee gave an idea of what they were doing, and what they desire to do, to make the stay of the visitors as pleasant as possible.

The president appointed Messrs. Langhans and Frischkorn to audit the books of the Club.

Nomination of officers of the Club for the year were in order, and Mr. Falconer's motion that a committee of two be named by the president to make nominations was carried. Messrs. Falconer and Elliott were appointed, and named all the present officers as they thought best they should be continued for another year, and the committee would not accept any refusal.

It was suggested that the Club hold a special meeting before the Carnation Society's convention, but the chairman decided that a joint meeting of the various committees would be far better, and he would instruct the secretary to send notices to all members of committees when and where it would be held.

A Goodly Exhibition

The subject for the evening was Roses; the display was not large but good. P. S. Randolph and Ed. Blind were appointed to judge the display.

John Cook of Baltimore, Md., sent a dozen excellent flowers of his new pink Rose "Radiance," for which he was awarded a first-class certificate. The blooms were much admired by the growers as well as store men; everyone thought it was a fine Rose, showing good color and large buds with good stem and foliage.

The Pittsburgh Rose and Carnation Co. showed a nice lot of white and pink Killarney, My Maryland and Bride.

P. S. Randolph showed a well-grown plant, full of bloom, of Begonia incarnata, an old variety, easily grown but not seen much in commercial places, which, he said, sold well at the Christmas holidays. It is much more satisfactory than Lorraine as it holds its flowers much better for a house plant.

R. & J. Farquhar & Co. of Boston, Mass., exhibited some fine plants in bloom of Cyclamens in the following sorts: Giant white, pink, crimson, Excelsior and Duke of Fife. Mr. George Cruickshank, representative of the firm, who was present at the meeting, read some notes describing their culture, which were listened to very attentively. He was requested to give the secretary of the Club a copy of his paper for publication in the trade papers; this he promised to do. A vote of thanks was tendered to him for the display and his excellent paper.

The subject for the next meeting of the Club will be Carnations, including a competitive exhibit by the private gardeners of 6 Primula plants, 3 varieties, 3 Cyclamens, 3 colors and 25 cut bloom Carnations, any one variety or mixed.

State of Trade

The past week's florist business was satisfactory; a great deal of funeral work created a good demand for stock. Social functions were also numerous. Prices of stock hold up pretty well; the cold spell of weather is of some assistance. Roses are of good quality in fair demand. The supply of Carnations is about equal to the demand; they have not as yet been abundant this year. Paperwhite Narcissus is the best selling bulb stock and brings from 3c. up. There is hardly any demand for Roman Hyacinths; very few are grown. Sweet Peas are coming in better, just a little too high priced to sell readily.

John Bader celebrated his 65th birthday last week at his home on Mt. Troy. Many friends were invited and spent a pleasant evening.

The Pittsburgh Cut Flower Co. is sending out a nice folder, giving the location of hotels, places of amusement, exhibition hall for Carnation Society's meeting, wholesale and retail florists' stores, and other places of interest for the visitors who will be in attendance at the convention of the A. C. S., also inviting delegates to make their place of business, 222 Oliver ave., a most central location, their headquarters.

A Banquet of Unusual Brilliancy

Randolph & McClements had the decorations for one of the most elaborate affairs ever given in our city, the annual dinner of the Carnegie Steel Co.'s officials, held in the Fort Pitt Hotel last week. The English room, where the banquet of the Carnation Society's visitors will be held, was used, and it was decorated in a beautiful and most costly manner. In the center of the banquet hall a miniature lake was artistically arranged, in which were fishes of various kinds. Banked on the sides of the lake was a bower of American Beauty Roses. The outline of the general decorative plan formed a Southern garden scene. Distributed throughout the entire room were many rare and beautiful plants. The orchestra was entirely hid behind a bank of flowers and canary birds jumped from bower to bower, mingling their melodious notes with the strains from the orchestra. At the conclusion of the feast each visitor took an armful of American Beauty roses along home. Mr. McClements had full charge of the decorations, including the electrician's work, a big job, but he was equal to it.

E. C. REINEMAN.

The Carnation Convention at Pittsburg

The Florists' Exchange issues of Jan. 22 and 29, also of Feb. 5, will be essentially Carnation Numbers. (See advertisement on editorial page.) Very many of our readers are equally interested with the disseminators in the behavior of all the leading varieties of Carnations on the market, and to these we extend a hearty invitation to send us in for publication a summary of their experience in 1909 and their suggestions for 1910—Write now while the mood is on you.

PETUNIA DOUBLE 10 kinds, 2 in., 2c.

Smilax, 2-in., $1.25 per 100.
Abutilons, 3 kinds, 2-in., 2½c.
Lantana, asstd., 2-in., 3c.

PRIMULA

Primula Obconica, Giant Mixed, 2-in., 2c.
Heliotrope, 2-in., $1.60 per 100. Cuphea, 2-in., 1½c.
Poinsettia, stock plants, 6c.
Geraniums, Double Grant, Rose, etc., 2-in., $2.00 per 100.
Coleus, 10 kinds; Ageratum, 3 kinds; 2-in., $1.50 per 100.
Rooted Cuttings, prepaid per 100. Heliotrope, $1.00; Fuchsia, 8 kinds, $1.00; Paris Daisy, yellow, white, $1.00; Cuphea, 76c. Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, 3 kinds, 60c.; Ageratum, 3 kinds, 60c.; Swainsona alba, $1.00; Dbl. Petunias, 10 kinds, $1.00. Feverfew, Gem, $1. Flowering Begonia, 8 kinds, $1.26; Salvia, 90c. Cash with order.

BYER BROS., Chambersburg, Pa.

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids.

The strain which I offer is unsurpassable. A fine lot of plants in bud and bloom in five colors, from 4-in. pots, $15.00; from 5 in. pots, $20.00 per 100. August Seedlings twice transplanted from flats first-class stock, $3.00 per 100, $25.00 per 1000.

GERANIUMS

Standard varieties, strong plants, from 2½-in. pots, $2.50 per 100, $22.00 per 1000.

CANNAS

Standard varieties strong healthy tubers, 2-3 eyes, $1.75 per 100, $15.00 per 1000.

Satisfaction Guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Please mention the Exchange when writing.

AZALEAS IN BLOOM

AZALEA Indica, in bloom, for New Year, Mme. Petrich, Simon Mardner, Deutsche Perle, Vervaeneana, 76c., $1.00, $1.26.
Other varieties for Easter: Bernard Andrea alba and Niobe (double white); have only extra large plants of this variety, 16, 18, 20, 22 in., $1.00, $1.50, to $2.00 each. Mme. Van der Cruyssen, Simon Mardner, Vervaeneana, Deutsche Perle, Prof. Welters, Helena Tellman, Apollo, Empress of India, Schreveriana and other well-known American varieties. Price, 60c., 76c., $1.00, $1.25, $1.60 to $2.00 each. We don't carry any cheap Azaleas, only first-class.
COCOS Weddeliana, 3-in., 12 to 16 in. high, 15c. to 18c.
ARECA intescens, 6-in., 36c.
LATANIA Borbonica, 4-in., 20c.
NEPHROLEPIS Whitmani, N. Todeoides, 6-6½-6 in. pots, 36c., 40c. and 60c. each; 7-in., as big as a washtub, 76c. to $1.00 each. Two houses full. All pot grown.
ENTIA Forsteriana, 7-in. pots, single, 40-46-60 in. high, $2.00, $2.60 to $3.00; 6-in. pots, single, 25-30-36 in. high, $1.00, $1.26, $1.60 to $1.76.
KENTIA Belmoreana, 4-in., 25c.
PTERIS Victoriae, (Silver Fern). P. Wimsetti, 6-in. pans, 3 ferns in a pan, very attractive, 30c. per pan. P. Wilsoni, 3-in., 10c.; 6-in., 3 plants in a pan, 35c.

GODFREY ASCHMANN
1012 W. ONTARIO ST. PHILADELPHIA, PA.

Please mention the Exchange when writing.

VINCA VARIEGATA

Extra strong, thrifty stock, ready to shift, 3-in., $3.50 per 100, $30.00 per 1000.
GERANIUMS, Mme. Sallerol, strong, thrifty, 2-in., ready to shift, $2.00 per 100, $18.00 per 1000.
FERNS, Boston and Scottii, extra fine, 5-in., equal to 6-in., 25c. Cash.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

CINERARIA STELLATA

Strong plants in 2½-inch pots, ready to shift into 4-inch.

$3.00 per hundred

Primula Obconica all sold.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

Calendars Received

EDWARD TATRO, Florist, Salina, Kan.

THE BENJAMIN CHASE CO., Manufacturers of Wood Labels and Plant Stakes, Derby Village, N. H.

BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y.—This is one of the most unique calendars that has come to the desk so far this season, inasmuch as while it is informative to a considerable degree the disseminator has managed to get in quite some effective advertising matter on each monthly sheet, thereby proving himself an adept in that line. The calendar furnishes large sized figures, making it very desirable to hang in the office.

Detroit

With the exception of small weddings and club dances, society was rather quiet last week, and the florists' activity was in accordance with it. Stock is accumulating, but not so as to cause alarm, and there is still sufficient to give the retailer a chance to select. Compared with other years we have a remarkably large supply of very fine red Carnations.

Bulbous stock is making its appearance and a systematic well-controlled supply of this class of flowers ought to bring the growers satisfactory returns. The trouble in the past was that for the sake of a half cent or one cent advance at Easter most growers held their stock back, resulting in a glut and consequent heavy loss at a time when best prices should reign. FRANK DANZER.

Dahlias Should be Attractively Staged

When we can present to the general public an exhibition such as is generally produced with the aid of Chrysanthemums, we shall feel we have made a long step forward in the progress for the proper exhibition of Dahlias. This placing twelve or twenty-four or a hundred bottles on a table, and showing one flower in each, is, to our minds, the greatest injury to the progress of Dahlias, and we must make an effort to get away from it. Dahlias should be shown, above all, in connection with graceful greens, such as Ferns or Palms. The good varieties should be shown in large vases carefully arranged to display their best qualities. Single specimens should be used only in connection with the general exhibition in a decorative way. Dahlias can easily be raised in pots, and each exhibit should have a liberal display of them shown in their natural beds, to give visitors a fair idea how Dahlias grow and what they look like in the garden.—*Dahlia News.*

Fires

CAMBRIDGE, MASS.—Wm. E. Doyle on Cambridge st., near Leonard ave., recently suffered a damage of several hundred dollars through fire caused by an overheated boiler.

WASHINGTON, D. C.—An overheated oil stove started a blaze in the greenhouse of E. T. Stunkel in the rear of 801 H st., N. E., January 3 about 11 p. m. Slight damage was done.

TAMPA, FLA.—A blaze starting in a private residence made its way to the front of the Tampa Floral Co.'s establishment on December 31, and a great loss in the destruction of glass is reported.

PEORIA, ILL.—Spontaneous combustion caused a fire in the second story of the building occupied by the Stocker Seed Co. Several thousand dollars' worth of seeds were lost; the property loss was nothing heavy.

ROCHESTER, N. Y.—An overheated stove used in heating a small greenhouse run by Wm. Dobberton at 208 Clinton ave. caused a fire on the evening of December 28; damages amounted to about $50.

POUGHKEEPSIE, N. Y.—Two greenhouses, owned by J. C. Hamlin, were recently partially burned at the ends, but the plants were saved from freezing by covering up the open spaces with blankets.

PEORIA, ILL.—Fire threatened to completely destroy the Weber Seed Co. building at 117 Washington st. at 11 p. m. January 1. The blaze originated in the basement of the structure and before it was extinguished, did damage to the extent of $10,000, fully covered by insurance. The origin of the fire is a mystery.

NEW BRITAIN, CONN.—The A. A. Weldon greenhouses were the scene of a fire which broke out in the early hours of December 31. The three greenhouses which constitute this property have been rented for the last three years by V. C. Pauloz, and many Palms and potted plants have been stored by Mr. Pauloz for patrons in the city to be cared for during the Winter. Snow was used to extinguish the flames, and the damage to the greenhouse buildings was very slight. The engine house, however, which contained the heating apparatus and several tons of coal in the coal shed were totally destroyed.

LILACS

DAFFODILS—YELLOW DAISIES—MIGNONETTE—WHITE, PINK and LAVENDER PEAS—SINGLE VIOLETS—CATTLEYAS—and all other Seasonable Flowers

JOHN W. McINTYRE WHOLESALE FLORIST, 1601 Ranstead Street
PHILADELPHIA, PA.

Please mention the Exchange when writing.

Verbenas! Verbenas! Verbenas!

THE SEASON IS NOW OPEN

OUR SELECTION

Rooted Cuttings .....75c. per 100, $5.00 per 1000
Strong plants in 2½-in. pots .....$2.50 per 100, 20.00 per 1000

PURCHASER'S SELECTION

Mrs. Wm. Taft, Miss Wilmott, Rooted Cuttings.....$1.00 per 100, $9.00 per 1000
Rooted Cuttings .....90 per 100, 8.00 per 1000
Strong plants in 2½-in. pots .....$3.00 per 100, 25.00 per 1000
Plants of Mrs. Wm. Taft and Miss Wilmott..... 4.00 per 100, 30.00 per 1000

When Rooted Cuttings are ordered sent by mail, add 10 cents per 100, 50 cents per 1000, to pay postage.

J. L. DILLON, Bloomsburg, Pa.

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS
From 3-in. pots, $6.00 per 100; from 2¼-in. pots, $3.00 per 100.

POINSETTIAS
Fine for Xmas. 3 in. pots, $1.50 per doz., $12.00 per 100.

ASPARAGUS SPRENGERI
From 3-in. pots, $6.00 per 100.

DRACAENA INDIVISA
4-in., $12.00 per 100; 3-in., $8.00 per 100.

MISCELLANEOUS

ABUTILON Savitzi. 2¼-in. pots, $4.00 per 100.
AMPELOPSIS Veitchii. Pot grown, $3.00 per 100.
ACHYRANTHES. Best varieties, $1.00 per 100, $8.00 per 1000.
AGERATUM. Blue and white, $1.00 per 100, $8.00 per 1000.
COLEUS. Bedding and fancy varieties, $1.00 per 100, $8.00 per 1000.
CUPHEA platycentra. $1.26 per 100.
BEGONIA Erfordi. Pink and white, $2.00 per 100; Crimson Bedder, $2.00 per 100.
FEVERFEW, The Gem. $1.50 per 100, $12.00 per 1000.
FUCHSIAS. Double and single, $2.00 per 100.
GERANIUMS, Double and single, $1.50 per 100; $14.00 per 1000.
GERANIUMS, Ivy-leaved, 2¼-in. pots, $3.00 per 100.
GERMAN IVY. $1.50 per 100.
HELIOTROPE. 8 best varieties, $1.25 per 100.
LANTANAS, 2¼-in. pots, $3.00 per 100.
LOBELIA. New double blue, $2.00 per 100.
MOONFLOWER (True). White, $2.00 per 100; $16.00 per 1000.
SALVIA. New varieties, $1.50 per 100; $12.00 per 1000. Splendens and Clara Bedman, $1.25 per 100; $10.00 per 1000.
VEBENAS. Mammoth set, unsurpassed, $1.00 per 100; $8.00 per 1000.

WOOD BROTHERS, FISHKILL, NEW YORK

Please mention the Exchange when writing.

Bay Trees, Box Trees, Evergreens, Palms, Crotons and Stove Plants

Ferns, Aspidistras, Araucarias,
PHOENIX CANARIENSIS

Large Oleanders and many other plants

JULIUS ROEHRS CO.
RUTHERFORD, N. J.

Please mention the Exchange when writing

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DOMOTO BROS.

Wholesale Florists

Store, 2729 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.

Headquarters for

Japanese Plants and Bulbs, Choice Roses Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.

We respectfully solicit your patronage.

Please mention the Exchange when writing.

A. L. YOUNG & CO., 54 West 28th Street Telephone, 3559 Mad. Sq. **and Manhattan Flower Market,** 46 West 28th Street, NEW YORK Telephone, 1016 Madison Square

WHOLESALE FLORISTS ☞ Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial

Please mention the Exchange when writing.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager Consignments Solicited

30 West 28th Street, Telephone 6237 Madison Square NEW YORK

Please mention the Exchange when writing.

NEW YORK.—The continued bad weather conditions up to last Saturday seriously interfered with business in the wholesale district, and the accumulation of cut flowers grew until all hopes of clearing up at week end were given up. Since Monday, business has been quite brisk, although buyers have been careful to see that no great quantity of stock was on their hands, and confined themselves to small speculations, which have but little effect on the amount of stock continually coming in.

American Beauty Roses have fallen off in supply, so much that on Wednesday a. m., efforts to secure a dozen good grade flowers would have met with failure. But still there is so little demand for them that the price remains at 50c. for top grade. Other grades fare much worse, and but few are seen. Tea Roses of every variety are very plentiful, except white, for which there has been a satisfactory demand the past few days. Top grades of Killarney and My Maryland sell at $12, but only for selected stock. Plenty of medium grade flowers are on hand, but find no buyers at offers of $6 to $10. Richmond cleans up a trifle better than other varieties. A lot of weak flowers of all kinds have been received, and are hard to move at any price.

Carnations are improving in quality right along, but sales lag, and a clean up is only accomplished by job lot offers. $2 to $3 seems to be the prevailing range of prices, although some fancy grades sell at $4, while a few novelties reach $5 to $6. Quantities of poor flowers are left over from day to day, these eventually going for a mere nothing.

Orchids continue in supply as last week, and sales of them are not over brisk. 50c. for top grades is the price limit and a general range of prices is 25c. to 40c. Cypripediums are more plentiful, and at $10 to $12.50 are hard to move.

Lilies continue in good demand, but at a $15 price are hard to move, although where quality of stock is considered, an occasional sale is made at that figure; poorer grades find buyers at $8 to $12. Lily of the Valley is short in supply and at $5 a fair demand for top grades is noticed. Quite a little poor stock is on hand at low figures, but who wants it?

Daffodils are arriving by 5000 lots and on Wednesday noon, large numbers were in the hands of the wholesalers. Prices ranged from $2 to $4. Paper White Narcissus is very plentiful and at $1.50 per 100 a clean up is not effected. Shipments of Tulips are increasing, and where stems are long enough, $3 is the price. Other grades move slowly at $1.50 to $2.

Violets move fairly well, at 60c. per 100 for strictly fresh flowers, while bunches of aged flowers are hard to get rid of, and any fair offer is considered, consequently sales at 25c. per 100 are frequently made. Gardenias drag, and but little call is manifest for them. Sweet Peas go begging, except select stock which moves moderately.

Adiantum, Asparagus, and Stevia are meeting with a good demand.

PHILADELPHIA.—The cut flower market at present writing is feeling the effects of sluggish business in the past few days, so that all lines of cut material are plentiful, with no apparent outlet unless the weather moderates enough to allow the street man a chance to handle a lot of the left over material. From grower, wholesaler and retailer alike come reports of bad business, much of which is due to poor shipping facilities and delayed shipments, with but little chance of a "come back" for some time to come.

American Beauty Roses, as well as all others, are very plentiful and prices average about half as much as a short while ago. Pink Killarney and My Maryland are especially plentiful; while a general shortage exists in white Roses, the condition is only brought about by the excessive demand for funeral material. As far as prices are concerned they range from $3 to $12 and many lots are sold at special prices.

Carnations are even more plentiful, although white sorts, as in Roses, have been more in demand; pink and other colors are quite heavy in supply and are sold at various prices ranging from $1.50 to $3 according to age and condition.

Orchids, in available varieties, are in moderate demand, recent large funeral orders cleaning out the entire supply, since which time the demand has reached normal; selling price is anywhere from 40c. to 60c. for the various Cattleyas, while Cypripediums are quite plentiful and remain unsold at offerings of 10c. and 12c. Lilies fluctuate from day to day, and good flowers are scarce and maintain an average of 15c., while other grades range from 8c. to 12½c. Lily of the Valley is quite plentiful, and but little call is noticed, except for casual orders, the demand for it failing to clean up shipments, which, however, fail to arrive with any degree of regularity. Selling price for top grades is $3 to $4, medium grades from $2.50 downward. Gardenias are very plentiful and but little call is noticed for them; flowers are of fine quality, but price is low, ranging from 10c. to 30c. each for the various grades. Violets drag, and many good flowers are left over only to be jobbed off to a fakir at the rate of about $6 per thousand. Fresh flowers are sold at $1 per 100 for double and single varieties, those remaining unsold usually going at a lower figure next day. Sweet Peas are becoming more plentiful daily, and offers to retailers of good stock at $1 per 100 are refused. White and pink sorts predominate and a trifle heavier call is noted for the lavender shades. Narcissus is plentiful everywhere, and if offers were made to clean out at $1 to $1.50 per 100, wholesalers would not think twice before taking the chance. These flowers are of good substance and during the holidays sold fairly well, but since they have become a nuisance.

Asparagus and other greenery has moved well in the past week, and better general prices have prevailed. Adiantum advanced to $1.50 while Asparagus maintains steady figures from 35c. to 50c., according to grades. Galax and Ferns have experienced a better call, and orders for them keep the stock moving quite frequently. Bulbous stock, such as Daffodils and Freesias, the first shipment of the latter arriving Monday, seem to be in good demand and Yellow Daisies, Pansies, Mignonette, etc., become more plentiful daily. White Lilac is seen in limited quantities and cleans out well at $1 per dozen flowers.

CHICAGO.—The week opened with the thermometer almost at the zero mark, as was experienced for ten days past, but Tuesday saw a decided rise, a most agreeable change. There is plenty of stock to be found everywhere, the only shortage being in white Roses, which are not in quantity sufficient to meet the demand. American Beauty is the only Rose variety that drags, all other Roses moving off fairly well, although prices are lower than a week ago. American Beauty continues to be off color, which is detrimental to sales.

Carnations are in sufficient quantity to meet all requirements, and are in fine shape, the color in all varieties being excellent. The variety Admiration is to be had in the most beautiful coloring, and is becoming very popular as a light pink. Prices on Carnations are unchanged from last week.

Lilies are considerably scarcer, prices, therefore, advancing. L. Harrisii is bringing from $15 to $20 per 100. Callas are moving at $16 per 100 for good stock. Lily of the Valley keeps steady at $4 to $5 per 100 for the best. Sweet Peas are disposed of easily, as there is not a great abundance of same, and they are bringing about $1 per 100.

Roman Hyacinths move slower than any white flower on the market, and the prices seem to be always the same. Some few Jonquils are found, and the demand is about equal to supply. Freesias are also on the market, the price $3 per 100. Tulips, Mignonette, Snapdragon and a few Pansies are to be had, but do not move very quickly. Violets are fine, both in color and size, with prices about as quoted. Orchids are not plentiful; more could be disposed of if obtainable. Gardenias remain about as in the past few weeks at $3 to $5 per dozen.

Ferns have advanced in price since last report, being now $2 per 1000. There is plenty of all sorts of green goods, no matter how great the demand. The market generally is in a pretty fair condition for this season of the year, and all wholesalers are doing as much business as anticipated.

BOSTON.—The market is steady. There is no surplus; in fact, the demand for the past week has been good.

Carnations are bringing good prices, 3c. and 4c. being the regular for the best grades, while some of the fancies bring 5c.

Short-stemmed Roses have been much in demand, selling at 4c. and 6c. Others vary according to variety. Killarney, Richmond and White Killarney are the best sellers. There are some good American Beauty in the market. Limited quantities of other Roses are also to be had.

Violets have been much in demand at $1 and $1.25. Lilies bring $1.50 a doz. Callas $1 and $2; they are not plentiful. Freesias bring 4c. and 6c. Daisies are scarce and bring good prices. Mignonette brings 3c. and 4c. Wallflowers, Stevia, and Myosotis bring 25c. a bunch.

Tulips are not plentiful as yet. Paper White Narcissus bring 2c.; Trumpet Daffodils and Golden Spurs, 4c. and 6c. Sweet Peas bring 50c. to $1. Lily of the Valley, 4c. for the best grade.

H. U. B.

INDIANAPOLIS.—No unusual features evidenced themselves in the flower world during the past week. The quality of stock has been uniformly good and has made many friends of customers. Carnations are showing up in true exhibition form, long stems, large flowers and bright coloring. The wholesale demand does not leave any on the grower's hands at $3 to $5 per 100.

Spring flowers, such as Sweet Peas, Jonquils, Lilacs, Lily of the Valley and single Violets are most readily taken by the courter trade which has been unusually good of late.

The late Rose introductions are still the favorites in the Rose line, although Bride and Bridesmaid are in truly fine condition. The price is much the same: $6 to $8 per 100 for select stock, $4 to $5 for second grade, and $2 to $3 for shorts. American Beauty are again selling at their customary figure—$5 to $50 per 100.

The supply of Cattleya liabiata is exceedingly bountiful at $50 per 100, there is little else in the Orchid line with the exception of Cypripediums at $2 per doz.

Smilax is offered from all quarters. It is apparently impossible for the growers to do otherwise as a scarcity and an overplus of this article invariably come at the same time. Prices are often discounted in order to find a local market, but the major portion is shipped away at $10 to $12.50 per 100. Adiantum is scarce at $1 to $1.50 per 100.

Tomlinson Hall Market has little to offer to the shopmen these days as nearly everything is ordered in advance and does not put in its appearance there.

Retail trade is reported as good.

The conservatories are having and will have for some time a splendid supply of flowering plants. Rhododendrons, Lilacs, Jonquils, Ericas, Azaleas, Primroses and Cyclamens are among the most attractive specimens offered patrons. Prices vary but slightly from other years.

I. B.

ST. LOUIS.—Last week the market was in a good condition as there was plenty of everything to be had in all grades; the quality of the stock coming in just now is above the average.

The commission men say the demand was not very good all of last week and during these dull days, prices dropped pretty low on fancy grades. The first part of the week we had quite a big sleet storm which lasted two days, this kept buyers indoors and most of our business was done by telephone.

Roses are coming in heavily and American Beauty long fancy, bring from $4 to $5 per doz.; medium and shorts according to length of stem; other Roses, such as Killarney, Richmond, Bride and Bridesmaid, fancies, hardly over $5 for choice; shorts very cheap.

Carnations, like Roses, are in big supply and not over $4 for extra fancy. Weber's White Enchantress are very fine just now.

Violets were not any too many but, with clear weather, should be in plenty by the end of the week; 50c. to 60c. was the price last week. There is also a big stock of bulbs coming in at present in Roman Hyacinths, Paper White Narcissus and Lily of the Valley. Callas and Harrisii Lilies are not any too many. The market has calls for Tulips and Von Sion Narcissus but none are in the market yet. All greens are moving well at usual prices.

ST. PATRICK.

Indianapolis

The State Florists' Association of Indana will, at this month's meeting, elect officers for the ensuing year. A number of good Carnation exhibits are promised for the exhibition to be held in connection therewith.

The Indianapolis Plant & Flower Co. is selling many Carnations at its New York store agency.

Indiana will, no doubt, be well represented with Carnation growers at the Pittsburg exhibition. Stock in this section is certainly in fine trim and should result in honors for the Hoosier growers. Dorner's Scarlet Glow, Knopf's Admiration, Hill's Niagara, Baur & Smith's Shasta, and Bertermann's J. Whitcomb Riley are among the débutantes looking for favor there.

Albert Kempke is cutting a quantity of select Peas for this market.

E. A. Nelson is planning additional glass for his range this Summer.

Thomas Knipe of Kokomo is shipping single Violets in quantity.

I. B.

London, Ont.

Now that Christmas is over, and we have time to look around we find very little holiday stock left. Well, there was a rush this season and no mistake, plants taking the lead, both wholesale and retail. The demand for made-up baskets of plants this season was splendid, many hundreds being sold at prices ranging from $1 to $10. Ferns and Palms received a good call; Azaleas, Narcissus, Cyclamens, and in fact anything with a flower on was cleaned up. Cut flowers were about half equal to the demand, Carnations selling at $1.50 to $2.50 per doz.; Roses at $3 to $5 doz.; Violets, 50c. doz.; Valley, 75c. doz.; Orchids, $6 to $10 doz.; Paper White, Romans and Tulips, 50c. to 75c. doz.

The weather remained fair and cold for Christmas, with enough snow for good sleighing.

F. C.

F. E. — Alive and Up-to-Date

I can handle, to best advantage, consignments of Cut Flowers of every variety

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Always Ready to Receive Fine Stock
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All choice Cut-Flowers in season. Send for quotations.
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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
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51 West 28th St. Wholesale Commission Florists NEW YORK
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PHILIP F. KESSLER 55 & 57 W. 26th St., New York City
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Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
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WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
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57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, January 12th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	30.00 to 50.00
" extra	15.00 to 25.00
" No. 1	8.00 to 15.00
" No. 2	3.00 to 8.00
" No. 3	.... to 1.00
Killarney	2.00 to 10.00
White Killarney	2.00 to 10.00
My Maryland	3.00 to 12.00
Richmond	3.00 to 12.00
Mme. Abel Chatenay	4.00 to 12.00
Golden Gate	4.00 to 10.00
Bride, Maid, fancy—spec.	8.00 to 10.00
" extra	5.00 to 8.00
" No. 1	3.00 to 5.00
" No. 2	2.00 to 3.00
Adiantum	.50 to 1.00
Croweanum	.... to 1.25
Antirrhinum (per bunch)	.50 to 1.50
Asparagus, cut strings	25.00 to 50.00
Plumosus, bunches	15.00 to 30.00
Sprengeri, bunches	15.00 to 30.00
Bouvardia	2.00 to 2.00
Callas	10.00 to 15.00
Daffodils	2.00 to 4.00
Daisies	.... to ....
Ferns, hardy	.35 to .50
Galax, green and bronze	.50 to .75
	.... to ....
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.... to 1.50
Standard Varieties: White	2.00 to 3.00
Standard Varieties: Pinks	2.00 to 3.00
Standard Varieties: Red	2.00 to 3.00
Standard Varieties: Yel. & Var.	2.00 to 3.00
Fancy (The highest grades of Sta'd varieties): White	3.00 to 4.00
*Fancy: Pinks	3.00 to 4.00
*Fancy: Red	3.00 to 5.00
*Fancy: Yel. & Var.	3.00 to 4.00
Novelties	3.00 to 6.00
Gardenias, per doz.	1.50 to 4.00
Lilac, per bunch	.... to 1.00
Lilies, Harrisii and Longi.	8.00 to 15.00
Lily of the Valley	2.00 to 4.00
Mignonette, per doz.	.50 to 1.00
Narcissus	1.00 to 2.00
Orchids, Cattleyas	25.00 to 50.00
Cypripediums	10.00 to 15.00
Dendrobium Formosum	25.00 to 40.00
Pansies, per doz. bunches	.50 to .75
Poinsettias per doz.	1.00 to 4.00
Roman Hyacinths	1.00 to 2.00
Smilax (per doz. strings)	1.00 to 1.50
Stevia, per bunch	.15 to .25
Sweet Peas, per doz. bun.	.75 to 1.25
Tulips	2.00 to 3.00
Violets, single	.40 to .50
" double	.40 to .60
	.... to ....

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Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST. NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
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Shipping orders receive prompt attention.
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CONSIGNMENTS SOLICITED

New York

The newly appointed Park Commissioner T. J. Higgins has made sweeping reductions in the park forces in the Broux, having dismissed Supt. of Parks John H. Morrison, and many gardeners and laborers, most of whom had been on the city's pay roll for years. This is in accordance with the wisb of the new mayor to disconnect politics from city jobs.

A large shipment of Gardenias was recently received on 28th st. which, when opened, were found to be badly frozen.

James McManus is receiving shipments of some of the finest Adiantum coming to the New York market.

Geo. Cotsonas & Co. are distributing a tasty calender, which carries a "green goods" advertisement.

Hanft Bros., the 62d st. and Madison ave. florists, have been fortunate in securing much funeral work lately. They recently made two floral casket blankets and many other large pieces.

The death of H. McKay Twombly of Madison, N. J. will be a serious loss to the florists of that vicinity. His well known love of flowers, and horticulture in every line, besides his interest in the annual flower shows, made him very popular, and his efforts along those lines will be long remembered by all who have come in contact with him.

Henshaw & Fenrich are receiving, daily, some of the finest Violets ever seen, and in such quantities as to enable the firm to care for all comers.

B. S. Slinn, Jr. is handling a grade of Mignonette that is hard to beat; top grade Violets are also one of his specialties.

Yellow Prince and La Reine Tulips are coming into the market; and bunches of Lilac are seen more frequently.

During the past week shipments of Violets have arrived so late in the day as to be useless for the day's business, and were consequently held over, much to the chagrin of the wholesaler.

Flowering shrubs in pots, such as Quince, Prunus triloba and Deutzias are being shown in the uptown store windows and branches of Forsythia in bloom are used for window decorations.

Few commission men handle more Roses of all grades than A. Moltz, who deserves much credit for the business he has worked up. His store is in the Coogan Building, W. 26th st., where it is possible to secure Roses of all grades—he handles no other flowers—at any time of the day.

John I. Raynor is receiving some Daffodils of very excellent quality from Newport, and can supply them in any quantity.

The A. T. Bunyard Floral Co. has had a very good business since the establishment of the store on Madison ave., and are satisfied that the location selected is a good one.

Frank H. Traendly, of Traendly & Schenck celebrated his 43d birthday last Wednesday.

A dark pink seedling Carnation exhibited by E. L. Enggren of Aqueduct, L. I. before the New York Florists' Club last Monday night was much admired. The award committee scored it 85 points and awarded it a preliminary certificate. Mr. Enggren will take a vase of the flowers to the Pittsburg exhibition this month.

A visitor at the Club on Monday evening was J. C. Spencer of Utica, N. Y.

Mayor Phil. Breitmeyer of Detroit was in the city last week and was introduced by Harry A. Bunyard to Mayor Gaynor.

NORTH CAMBRIDGE, MASS.—John McKenzie is laid up with a troublesome foot which recently required an operation.

BOSTON, MASS.—Morey Bros. of Tremont st. have fitted up their greenhouses with electric lights.

CARNATION SPECIAL

For week ending January 22nd in lots of 500 or more, good quality, our selection, at $3.00 per 100

GARDENIAS, Cattleyas, Beauties and Valley, are to be had at the P/M Establishment, the house that can take care of any order for anything, in any quantity, at any time of the year; no order too big or too difficult for us to fill. A personal visit will convince you that there is no house in the U. S. that can care for you as we can.

GARDENIAS

	Special	Fancy	1st
Per doz.	$5.00	$4.00	$3.00

BEAUTIES

	Special	Fancy	Extra
Per doz.	$6.00	$5.00	$4.00
	1st	2nd	3rd
Per doz.	$3.00	$2.50	$1.50

CATTLEYAS

Per doz. $9.00, per 100 $70.00.

VALLEY

	Special	Extra	1st
Per 100	$5.00	$4.00	$3.00

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of PHILADELPHIA and WASHINGTON

1608 to 1620 Ludlow St., Philadelphia, Pa. — 1212 New York Ave., Washington, D. C.

Stores close at 6 P. M.

QUALITY

Please mention the Exchange when writing.

Carnations

Stock coming in fine condition. Never had a larger supply or better values.

SPECIAL—Fancies—our selection of colors—lots of 500 or more **$3.00 per 100.**

VALLEY

Extra ..... $4.00 per 100
Firsts ..... $3.00 per 100

PEAS

White, Pink and Lavender, $1.00 per 100.

SINGLE DAFFODILS — WHITE LILAC— DAISIES—White and Yellow Pansies

THE LEO NIESSEN CO., Wholesale Florists — 1209 Arch Street, PHILADELPHIA

Open from 7 A.M. to 8 P.M.

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CRAIG'S SPECIALTIES

CYCLAMEN	$0.25	$0.50	$0.75	$1.00	$1.25	$1.50	Each
BEGONIA LORRAINE	.15	.35	.50	.75	1.25		"
AZALEAS APOLLO and HEXE	.75	1.00	1.25	1.50			"
NEPHROLEPIS SCOTTII	.50	.75	1.00	1.50	2.00		"
N. TODEAOIDES	.50	.75	2.50				"
N. AMERPOHLI	.50	.75					"
DRACAENA MASSANGEANA	1.50	2.00					"
D. FRAGRANS	.50	.75					"
ARECA LUTESCENS	1.50	2.00					"

All of the above stock of highest quality

ROBERT CRAIG CO., Market and 49th Streets, PHILADELPHIA, PA. And NORWOOD, PA.

Please mention the Exchange when writing.

Philadelphia

This city is slowly emerging from the effects of the heavy snowstorm, which will be long remembered for its severity. Even the "oldest resident" never saw the like, and the weather during the past week has been such as to cause business to be at almost a standstill. Continued cold, at times hovering near the zero mark, with cutting northeast winds, have caused many to sit up and take notice, and if the storm had done nothing else, it has awakened Philadelphians to a realization of how poorly equipped the city is to combat such conditions. While many have suffered, others have been enabled to secure work which would not otherwise have been, and the end is not yet. Many reports of damaged greenhouses are still heard. The houses of Herman Schoenfeld of Elmsford, Pa., were completely demolished, and steam pipes frozen and cracked, truly a sad predicament and loss. Through energetic measures, the employees of the Henry A. Dreer Co. were able to prevent several of the structures at Riverton from suffering a like fate, and reports of glass broken, bars smashed, etc., are so plentiful that some good business for builders and supply men should be created immediately.

General business among the retailers has been good, as so many social gatherings have recently taken place, and these combined with an unusual amount of funeral work have kept all hands busy.

Weather conditions have seriously interfered with the plant trade, both local and shipping, and some relief will be felt along all lines when conditions moderate.

The Robt. Craig Co. has a fine lot of various sized Cyclamens now showing extra quality bloom, and plants of Begonia Gloire de Lorraine at the Market st. establishment are still meeting with some demand. This company intends to exhibit blooms of its new non-splitting white Carnation at the coming Carnation exhibition at Pittsburg, January 25, and efforts are now being made to secure a suitable name for it. It's a dandy, and as seen growing at Norwood proves every statement R. A. Craig makes for it; and as a bread and butter kind it should meet with popularity. Visitors to Norwood are always welcome.

Much satisfaction is expressed among the local trade concerning the appointment of Robt. Craig, Sr., as a director of the S. A. F. for the ensuing year and the opinion is that President Pierson has made a wise choice. The same applies to the selection of Edw. A. Stroud, who has been chosen to succeed Edwin Lonsdale as one of the committee on National Flower Show. Mr. Stroud is well known to the trade hereabouts, and

EDWARD REID

Wholesale Florist

Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias

All other seasonable flowers

1526 Ranstead St., Philadelphia, Pa.

Headquarters in Western New York

For Roses, Carnations,

And all kinds of Seasonable Flowers

WM. F. KASTING CO.

Wholesale Commission Florists

Dealers in Florists' Supplies and Wire designs

383-87 Ellicott St., BUFFALO, N.Y.

Give us a trial—We can please you

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Jan. 10, 1910	Buffalo Jan. 10, 1910	NAMES AND VARIETIES	Phil'delphia Jan. 10, 1910	St. Louis Jan. 10, 1910
30.00 to 35.00	30.00 to 40.00	Roses—A. Beauty, fancy—special	40.00 to 60.00	25.00 to 30.00
20.00 to 25.00	— to 25.00	" extra	25.00 to 40.00	15.00 to 20.00
12.50 to 15.00	— to 12.00	" No. 1	15.00 to 25.00	8.00 to 12.50
6.00 to 10.00	6.00 to 8.00	" No. 2	8.00 to 15.00	3.00 to 6.00
5.00 to 10.00	6.00 to 15.00	Killarney	4.00 to 12.00	4.00 to 6.00
5.00 to 10.00	6.00 to 15.00	White Killarney	4.00 to 12.00	4.00 to 6.00
4.00 to 10.00	8.00 to 15.00	My Maryland	4.00 to 12.00	4.00 to 6.00
4.00 to 10.00	6.00 to 15.00	Richmond	4.00 to 12.00	4.00 to 8.00
3.00 to 6.00	4.00 to 10.00	Perle	— to —	3.00 to 5.00
5.00 to 10.00	— to —	Golden Gate	— to 10.00	— to —
5.00 to 10.00	4.00 to 8.00	K. A. Victoria	— to —	— to —
8.00 to 10.00	12.00 to 15.00	Bride, 'Maid, fancy—special	8.00 to 10.00	5.00 to 6.00
6.00 to 7.00	10.00 to 12.00	" extra	5.00 to 8.00	— to 4.00
5.00 to 6.00	8.00 to 10.00	" No. 1	5.00 to 6.00	— to —
3.00 to 4.00	4.00 to 8.00	" No. 2	3.00 to 6.00	— to —
— to 1.00	— to —	Adiantum	— to 1.50	1.00 to 1.50
— to —	— to —	Antirrhinum (per bunch)	— to —	— to —
25.00 to 50.00	— to —	Asparagus, Plumosus, bunches	35.00 to 50.00	— to —
25.00 to 50.00	— to —	" Sprengeri, bunches	25.00 to 50.00	25.00 to 75.00
— to —	— to —	Bouvardia	2.00 to 4.00	— to —
10.00 to 12.50	12.00 to 15.00	Callas	6.00 to 10.00	12.50 to 15.00
— to —	— to —	Chrysanthemums	— to —	— to —
1.50 to 2.00	— to —	Carnations—Inferior grades, all colors	1.00 to 2.00	1.00 to 2.00
2.50 to 3.00	2.00 to 3.00	Standard Varieties: White	2.00 to 2.50	1.00 to 2.00
2.50 to 3.00	2.00 to 3.00	Standard Varieties: Pink	2.00 to 2.50	1.00 to 2.00
2.50 to 3.00	2.00 to 3.00	Standard Varieties: Red	2.00 to 2.50	1.00 to 2.00
2.50 to 3.00	2.00 to 3.00	Standard Varieties: Yellow and var.	2.00 to 2.50	— to —
— to 4.00	3.00 to 4.00	*Fancy (*The highest grades of Sta'd vars.): White	2.50 to 3.00	2.50 to 3.00
— to 4.00	3.00 to 4.00	*Fancy: Pink	2.50 to 3.00	2.50 to 3.00
— to 4.00	3.00 to 4.00	*Fancy: Red	2.50 to 3.00	2.50 to 3.00
— to 4.00	3.00 to 4.00	*Fancy: Yellow and var.	2.50 to 3.00	2.50 to 3.00
3.00 to 5.00	— to —	Daffodils	2.00 to 4.00	3.00 to 4.00
— to —	.75 to 1.50	Daisies	1.50 to 2.00	— to —
— to .15	— to .15	Ferns, hardy	.35 to .75	— to .12
— to —	— to —	Freesia	— to —	— to —
— to .10	— to .15	Galax, green and bronze	.35 to .75	— to .15
2.50 to 3.00	5.00 to 9.00	Gardenias, per doz.	.75 to 3.00	— to —
— to —	— to —	Lilac	.75 to 1.00	— to —
12.50 to 15.00	— to 15.00	Lilies, Harrisii and Longi	10.00 to 15.00	12.00 to 16.00
3.00 to 5.00	4.00 to 5.00	Lily of the Valley	2.00 to 3.00	3.00 to 4.00
3.00 to 4.00	3.00 to 5.00	Mignonette	1.50 to 4.00	4.00 to 5.00
2.00 to 8.00	2.50 to 3.50	Narcissus	1.50 to 2.50	2.50 to 3.00
— to —	75.50 to 100.00	Orchids—Cattleyas	50.00 to 60.00	— to —
— to —	15.00 to 20.00	Cypripediums	10.00 to 12.00	— to —
— to —	— to —	Dendrobium Formosum	25.00 to 40.00	— to —
— to —	— to —	Pansies, per doz. bunches	.50 to .75	— to —
2.00 to 3.00	2.00 to 3.00	Roman Hyacinths	1.00 to 2.50	2.00 to 2.50
— to 20.00	— to 15.00	Smilax, (per doz strings)	10.00 to 15.00	12.50 to 15.00
— to —	.25 to .30	Stevia, per bunch	.15 to .25	.25 to .30
1.00 to 1.50	.75 to 1.25	Sweet Peas, (per doz. bun.)	.50 to 1.00	.50 to .50
3.00 to 4.00	— to —	Tulips	— to —	— to —
— to .75	— to —	Violets, single	.50 to 1.00	.50 to 1.00
— to —	1.00 to 1.50	" double	.50 to 1.00	— to —
— to —	— to —		— to —	— to —
— to —	— to —		— to —	— to —
— to —	— to —		— to —	— to —

F. E.—The Best Advertising Medium

PHONE, MAIN 7576

Florists' Exchange of Washington, D. C.

J. L. LOOSE, Pres.
THEO. DIETRICH Vice-Pres.
JOHN ROBERTSON Treas.
ADOLPH BOWDLER Sec.

729-13th St., N. W.

Solicits Consignments of Cut Flowers

This is strictly a co-operative corporation, composed of 19 growers and retailers of the District of Columbia, under the management of Albert Schnell, formerly in charge of the Washington branch of S. S. Pennock-Meehan Co

Consignors are welcome to inspect our books and see at what figure their stock sold, to satisfy themselves that they have been credited with full amount.

Please mention the Exchange when writing.

his success at Overbrook is a sample of his painstaking and energetic efforts.

J. O. Thilow of Dreer's store, Chestnut st., is shortly to leave for a trip to Richmond, Va., to spend a few days at his old home town; and from there he will journey to Chicago, Ill., to be present, if possible, at a meeting of the National Council of Horticulture, of which he was recently appointed a member.

I. Rosnosky, representing the Henry F. Michell Co., will be at the Pittsburg Carnation meting and hopes to see many of his old friends there, besides getting acquainted with new ones.

It is fully expected that Dorothy Gordon, the best Carnation to date—as viewed by the writer—will be amply represented at the coming exhibition, and as Mr. Heacock, who disseminates the variety, believes in establishing a fair price so as to give all a chance to secure stock, good results may be expected from the trip. Blooms of this variety have proved to be the best in Philadelphia, from every viewpoint.

The Logan Nurseries, under the management of Mr. Hobson, have rapidly improved, and since the holidays strenuous efforts have been put forth in an endeavor to secure plenty of plants for Easter, at which time it is hoped that Hybrid Roses, Climbing Roses (Tausendschon), Azaleas, Lilies, Spiræas, etc., will be in good shape for an extensive business.

Thaddeus N. Yates & Co. of Mt. Airy are offering to the trade some strong established Calla plants, suitable for planting out or repotting, and these should make good material for florists whose trade calls for them. Paperwhite Narcissus and Easter Lilies are being sent into the wholesale market regularly, and the firm expects to have a large number of Lilies, both cut and in pots for the coming Easter.

W. E. McKissick & Bros. are handling the first arrivals of Freesia blooms, which are of such quality that almost record prices are obtained for them. A steady supply of cut Lilies is generally to be found at their establishment.

The S. S. Pennock-Meehan Co. is now booking orders for rooted Carnation cuttings, the list of varieties containing many of the best "tried and true" sorts, also some of the newer introductions. This house is also offering to retailers Carnation blooms in special lots at a rate that should result in a big demand.

Chas. W. Cox of Girard College, who succeeded Edwin Lonsdale, received a letter from that gentleman recently which says that the weather at Lompoc is just frosty enough to ripen the Rose bushes, which have made a splendid growth the past season, and that pruning them is now the order of the day. After remarking that the health of Mrs. Lonsdale has much improved, Mr. Lonsdale concludes by wishing all his Philadelphia friends a "bright and prosperous New Year."

Jas. M. Thoirs, Camden's most prominent retail florist, has had an unusually busy time recently, with funeral and other work.

Even the casual observer is stopped by the pleasing window display in the store of Pennock Bros. The latest feature was an array of baskets containing American Beauty Roses and white Lilac, a combination set off in a very harmonious manner by colored plush carpeting tastily caught up in irregular effect, the entire scheme forming an advertisement from which the firm receives immense benefit. An object lesson to other retailers is to be found in these window displays.

American Beauty and other Roses are a feature of the week with the Leo Niessen Co. The offerings in Carnations, Valley, Narcissus and other cut material enables the house to care for shipping orders at any time of the day.

Wm. Swayne of Kennett Sq., Pa., is shipping to Wm. J. Baker some fine flowers of the O. P. Bassett Carnation, and while the supply is not overabundant it is enough to show that with good culture first-class flowers of this variety can be secured.

Preparations and alterations are going on apace at the new branch store of the Century Flower Shop soon to be opened at 52d st., near Market st., the location of which should prove advantageous to the public as well as to the head of the enterprise.

John McIntyre says he cannot secure enough white Lilac to fill his orders.

St. Louis

Prof. William Trelease, director of the Missouri Botanical Gardens, was elected president of the Academy of Science at its meeting held last week at 3817 Olive st.

A meeting of all the local ladies of the Ladies' Society of the S. A. F., Miss M. Meinhardt, president, was held on Monday, Jan. 10, at the Washington Hotel.

W. H. Kruse, florist at 2845 Arsenal st., had a narrow escape from being burned out last week; the fire was confined to the rear of the place; the stable and all its contents except the horses was burned. Mr. Kruse reports his loss at $800, only partly covered by insurance.

Florists Walbart and Mrs. Ayers at Grand and Olive sts., have their show houses looking fine again and are making a grand display of cut stock; their Christmas and New Year's business nearly cleaned them out.

Mrs. Ellison of the Ellison Floral Co. reports that they have a number of fashionable decorations booked for weddings and balls, to be held the latter part of the month.

Ed. Kalish of Kalish Bros., at Taylor and Delmar aves., says that their New Year's business was double that of last; they have a well stocked show house with fine plants.

The Kahrs Floral Co., which recently opened at 6th and Locust sts., has closed its doors. All the fixtures have been stored as Mr. Kahrs contemplates opening a store in the West End in the near future.

Our commission men have been receiving some extra fine consignments since the holidays with hardly any scarcity except in Violets; these, should the bright weather keep up, ought to be very plentiful by the end of this week. They are just now receiving an extra fine supply of Roses in all varieties.

At the opening of the big show house of Roberts, Johnson & Rand, florists had a busy day, as more than fifty large floral designs were sent by friends of the firm. Chas. Beyer had the main decorations.

The Engelman Botanical Club held its first meeting this year on Monday, Jan. 10, in the Botanical Laboratory of the Central High School. Dr. R. R. Gates lectured with lantern slides on "The Structures of the Plant Cell." The new officers, H. P. Chandler, president, and Charles Fullgraf, secretary and treasurer were installed into office. The meeting was largely attended.

ST. PATRICK.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Jan. 10, 1910	Pittsburg Jan. 10, 1910	NAMES AND VARIETIES	Boston Jan. 10, 1910	Detroit Jan. 11, 1910	Cincinnati Jan. 10, 1909
35.00 to 60.00	to 50.00	Roses—A. Beauty, fancy—special	30.00 to 50.00	to	to 40.00
20.00 to 25.00	30.00 to 40.00	" extra	25.00 to 35.00	35.00 to 40.00	to
15.00 to 18.00	15.00 to 20.00	" No. 1	10.00 to 20.00	25.00 to 30.00	to
8.00 to 10.00	6.00 to 10.00	" No. 2	4.00 to 10.00	6.00 to 20.00	to
8.00 to 12.00	6.00 to 20.00	Killarney	6.00 to 18.00	4.00 to 10.00	4.00 to 10.00
6.00 to 12.00	6.00 to 20.00	White Killarney	6.00 to 16.00	4.00 to 10.00	4.00 to 10.00
to	6.00 to 15.00	My Maryland	6.00 to 16.00	4.00 to 10.00	4.00 to 10.00
8.00 to 12.00	6.00 to 12.00	Richmond	6.00 to 16.00	4.00 to 10.00	4.00 to 8.00
4.00 to 6.00	to	Perle	to	to	to
to	to	Golden Gate	to	4.00 to 8.00	to
to	to	K. A. Victoria	to	4.00 to 10.00	to
8.00 to 10.00	12.00 to 15.00	Bride, Maid, fancy—special	6.00 to 8.00	to	to
to 6.00	to 10.00	" extra	4.00 to 6.00	8.00 to 10.00	to
to 4.00	to 8.00	" No. 1	2.00 to 4.00	6.00 to 8.00	to
to	to 6.00	" No. 2	to	4.00 to 6.00	to
to 1.00	1.00 to 1.50	Adiantum	.75 to 1.00	1.00 to 1.50	to 1.00
to	to	Antirrhinum, (per bunch)	to	to	to
to 30.00	30.00 to 60.00	Asparagus, Plumosus, bunches	to 50.00	30.00 to 50.00	to 25.00
to 30.00	20.00 to 30.00	" Sprengeri, bunches	to 50.00	30.00 to 50.00	to
to	to	Bouvardia	to	to	to
to	to	Callas	10.00 to 12.00	12.50 to 15.00	to 10.00
to	to	Chrysanthemums	to	to	to
to	1.00 to 1.50	Carnations—Inferior grades, all colors	to	to	2.00 to 4.00
to 2.00	to 2.00	Standard Varieties: White	2.00 to 3.00	2.00 to 3.00	to
to 2.00	to 2.00	Standard Varieties: Pink	2.00 to 3.00	2.00 to 3.00	to
to 2.00	to 2.00	Standard Varieties: Red	2.00 to 3.00	2.00 to 3.00	to
to 2.00	to 2.00	Standard Varieties: Yellow and var.	2.00 to 3.00	to	to
to 4.00	3.00 to 4.00	*Fancy (*The highest grades of Sta'd vars.): White	to 4.00	2.00 to 4.00	to
to 4.00	3.00 to 4.00	*Fancy: Pink	to 4.00	2.00 to 4.00	to
to 4.00	3.00 to 4.00	*Fancy: Red	to 4.00	3.00 to 4.00	to
to 4.00	3.00 to 4.00	*Fancy: Yellow and var.	to 4.00	to	to
to	to 4.00	Daffodils	4.00 to 5.00	3.00 to 4.00	to
to	1.60 to 2.00	Daisies	to	to	to
to .25	.15 to .20	Ferns, hardy	to	to .15	to .15
to	to	Freesia	to	4.00 to 6.00	to
to .20	to .12	Galax, green and bronze	to	to .12	to .10
to	3.00 to 6.00	Gardenias, per doz.	4.00 to 5.00	to	to
to	to	Lilac	to	to	to
to 12.50	to 16.00	Lilies, Harrisii and Longi	10.00 to 12.00	12.50 to 20.00	to
to 4.00	2.00 to 4.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00	to
to	4.00 to 6.00	Mignonette	8.00 to 4.00	4.00 to 6.00	to
to	to 3.00	Narcissus	to 2.00	3.00 to 4.00	2.00 to 4.00
to	to 75.00	Orchids—Cattleyas	35.00 to 40.00	to	to
to	to 15.00	Cypripediums	" 8.00	to	to
to	to	Dendrobium Formosum	to	to	to
to	to	Pansies, per doz. bunches	to 1.50	to	to
to	2.00 to 4.00	Romen Hyacinths	to	to	to
to 15.00	to 15.00	Smilax, (per doz. strings)	12.00 " 15.00	15.00 to 20.00	10.00 to 12.50
to .20	to .25	Stevia, per bunch	to	to .50	to
to 1.00	.50 to 1.50	Sweet Peas, (per doz. bun.)	.50 to 1.00	1.00 to 1.50	to 1.50
to	to 4.00	Tulips	to	3.00 to 4.00	to
to 1.00	to .75	Violets, single	to 1.00	.75 to 1.00	to
to 1.00	1.00 to 1.25	" double	to 1.00	.75 to 1.00	to
to	to		to	to	to
to	ty		to	to	to
to	to		to	to	to

BOSTON, MASS.

SPECIALTIES
CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY
And all other seasonable flowers in quantity

WELCH BROS.
226 Devonshire Street.

Please mention the Exchange when writing.

E. G. GILLETT
WHOLESALE FLORIST
Successor to Gillett & Ohmer
131 East 3rd St. CINCINNATI, O.
All Cut Flowers in Season.
—SPECIALTIES—
American Beauties Killarneys, Richmond, Maryland, Jardines, Brides. (Heller Bros. Stock.) Send me an order.
Greens of all kinds. Florist Supplies.
Wire Work.—This department manufactures the best work in the market. Send for Illustrated Catalogue.
Look over your stock and send me a trial order.
How about your "Hanging Baskets" for Spring?
Please mention the Exchange when writing.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES
C. C. Pollworth Co.
Milwaukee, Wis.
Please mention the Exchange when writing.

The McCallum Company
WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE
Headquarters of Western Pennsylvania for wire
937 Liberty Ave., PITTSBURGH, PA.
Please mention the Exchange when writing.

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS
457 Milwaukee St., MILWAUKEE, WIS.
'Phone, Main 874. P. O. Box 108.
Please mention the Exchange when writing.

Lockport, N. Y.

There is very little here to write of interest to florists. The weather is the same as in most other places, cold and snow, and then more snow, and no sun. Carnations are looking good; a little soft, on account of damp weather. The Christmas business was much better than last year, with more plants being sold each year. Everything sold well, Begonias especially. LOCKPORT.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

Please mention the Exchange when writing.

HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

51 Wabash Ave.

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Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

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E. G. HILL CO.

Wholesale Florists

RICHMOND, INDIANA

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Wietor Bros.

Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

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ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Jan. 11, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	4.00 to	5.00
30-inch stems.. "	.... to	3.00
24-inch stems.. "	2.50 to	3.50
20-inch stems.. "	.... to	2.50
18-inch stems.. "	1.50 to	2.00
12-inch stems.. "	1.00 to	1.25
8-in. stems and shorts "	.75 to	1.00
Killarney	5.00 to	8.00
" extra	8.00 to	10.00
White Killarney	8.00 to	12.00
Richmond	7.00 to	10.00
My Maryland	5.00 to	10.00
Bride, Maid, fancy special	6.00 to	8.00
" extra	4.00 to	6.00
" No. 1	3.00 to	4.00
" No. 2	.... to	2.50
Perle	5.00 to	10.00
Chatenay	3.00 to	6.00
Kaiserin	.... to	8.00
Uncle John	.... to	8.00
Mrs. Marshall Field	.... to	8.00
Adiantum	.... to	1.00
Asparagus, bunch	.35 to	.75
" Sprengeri	.35 to	.75
Bouvardia	2.00 to	4.00
Calla Lily	15.00 to	16.00
Chrysanthemums doz.	.... to	....
" fancy doz.	.... to	....
Daisies	.... to	....
Daffodils	3.00 to	4.00

CARNATIONS			
Standard Varieties	White	2.00 to	3.00
	Pink	2.00 to	3.00
	Red	3.00 to	5.00
	Yel. and Var.	.... to	....
FANCY (The highest grades of Sta'd varieties)	White	3.00 to	4.00
	Pink	3.00 to	4.00
	Red	3.00 to	4.00
	Yel. and Var.	.... to	....
Ferns, hardy, per 1000		.... to	2.00
Freesia		.... to	3.00
Galax (green)		.... to	1.25
" (bronze)		.... to	1.25
Gardenias		30.00 to	50.00
Hyacinths, Roman		.... to	3.00
Lilac		.... to	....
Lilies, Harrisii and Longi.		15.00 to	20.00
Lily of the Valley		3.00 to	5.00
Mexican Ivy		.... to	1.00
Mignonette		4.00 to	6.00
Narcissus—Paper White		2.00 to	3.00
Orchids—Cattleyas		35.00 to	50.00
" Cypripediums		15.00 to	20.00
Pansies		.... to	....
Smilax		.... to	12.00
Stevia, bunch		.25 to	.50
Sweet Peas		.... to	1.00
Tulips		.... to	....
Violets, single		.50 to	.75
" double		1.00 to	1.50
		.... to	....
		.... to	....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

Chicago

Evanston has come into possession of a strip of land which was needed to connect two other pieces which are owned by the city, and it is planned to make a continuous park on the lake front, from the southern end of the University campus to Greenwood boulevard. The land was a gift from the Northwestern, is located at the foot of Lake st., and has about 150 ft. frontage on Sheridan rd. and the lake; it is valued at about $20,000. It is north of the piece of land that was presented to the city for park purposes, a short time ago, by James A. Patten.

The decorations for the final débutante of the season, Miss Helen Gurley, was the most elaborate executed this season. The débutante carried Orchids. The dining room glowed with yellow and white Narcissus, with white Hyacinths and Ferns for table decorations. The north drawing room was embowered with flowers. Baskets filled with American Beauty Roses bordered the walls, and vases of these same flowers screened the windows at the further end of the room. Killarney Rose buds in tiers reached to the ceiling, and in the vases around the rooms were Violets, Orchids and Carnations.

Several hostesses are using the slender, graceful silver and crystal vases for table decorations. These stand quite high, but with a drooping arrangement of flowers do not obscure the vision, and they are a relief from the flat decorations so much in vogue at the present time. Orchids, Lily of the Valley or Roses seem best adapted to them, and Lily of the Valley especially is much used at present.

At a banquet at the Commercial Club plans were perfected for lectures, with stereopticon views, to be delivered all through the different sections of the city, to further instruct and impress the public, with the necessity of all working together to beautify the city in every respect.

With the new year comes several changes in business around the flower market, and we miss many familiar faces from the places we have been accustomed to see them. In the Flower Growers' Market we find in George Walther's place Mrs. Percy Jones, who will manage the business with the help of Harry Von Gelder. We find the Benthey & Coatsworth Co.'s quarters vacated, and Mr. Benthey installed with Kyle & Foerster in charge of the stock. The J. B. Deamud Co. have added to its business staff T. C. Yarnell, formerly of The American Florist, and Nick Miller of Park Ridge, Ill. From Peter Reinberg's we miss Leonard Kill, who is visiting in California.

H. E. Philpott, returned to his home in Winnipeg, Man. on Saturday last. He expects to leave Jan. 20 for a trip to the Pacific Coast, to be gone about three weeks. He will be accompanied by Mrs. Philpott. Mr. Philpott says that although the thermometer in Winnepeg has registered 35° below zero every box shipped to him from Chicago and Toronto has arrived without a flower being frozen in any one instance.

C. Frauenfelder, who has been seriously ill with pneumonia the past ten days is reported as improving steadily.

A. I. Simmons of 63d st., has moved, temporarily, across the street, while his own store is going through the process of reconstruction. Mr. Simmons says that when complete he expects to have one of the finest equipped stores in the city.

J. B. Deamud Co. has some fine stock in cut Cyclamens, which he states are meeting with a ready demand. Some fine Freesias are also to be seen at the store.

Mrs. Josephine Garland died Friday night, Jan. 7, at the residence of her daughter, Mrs. Fred Wittbold, 715 Buckingham place. Mrs. Garland was the mother of the Garland brothers, Des Plaines, Ill., and Mrs. Percy Jones. The funeral was held Monday afternoon from the old homestead at Des Plaines.

Chas. Knopf of Richmond, Ind., spent several days in Chicago last week, in the interest of his new Carnation Admiration that has received so much attention from all growers.

We notice the 1910 catalogs of Arthur T. Boddington of New York on the desks of some of the seedsmen.

The Leonard Seed Co. expects to have its new catalogs ready for distribution about Jan. 15. The W. W. Barnard Co. expects to have its catalog ready at about the same time.

Winterson's Seed Store is busy completing its 1910 catalog, and expect to have it out by February 1.

Visitors: J. A. Peterson, Cincinnati, O.; J. S. Wilson, Des Moines, Ia.; Geo. Shepard, representing A. M. Shepard & Son, Minneapolis, Minn.

Martha Frauenfelder, wife of Conrad Frauenfelder, a florist of the West Side, died Jan. 1, at her residence, 3343 W. Madison st. The remains were placed in the vault in Waldheim Cemetery. She leaves, besides her husband, two daughters, Edna and Hazel. Mrs. Frauenfelder had been in ill health for a long time, and her death was not unexpected.

Sidney Wiffen of Des Plaines, says that his crop of Sweet Peas is coming in as well as can be expected, considering the amount of dark weather that has been experienced.

The Butler Flower Shop, previously located at 293 Dearborn st., has moved to a location directly opposite, 294 Dearborn st. Rudolph Jahn, former manager of the store has connected himself in business with Mr. Butler, the business style now being the Butler Floral Co.

A. Montgomery Ward & Co. have purchased a tract of land adjacent to the north side of their mail order building, which will be laid out in a park and playgrounds as recreation grounds for its employees.

The scarcity of coal has become a serious problem among the large growers, but considering the dilemma many of the larger concerns are coming to the assistance of the smaller growers.

Peter Reinberg says his increase of sales over those of 1908 was 10 per cent.

Chicago Florists' Club

The Chicago Florists' Club held its regular meeting on Thursday, January 6, at the Union Restaurant. There were about 60 members present. After the regular business, the election of officers took place, the following being elected: Geo. Asmus, president; H. E. Philpott, vice-president; E. F. Winterson, treasurer; L. H. Winterson, secretary; H. N. Bruns, J. P. Degnan and Alex. Henderson, trustees. The subject of artificial flowers, which has become a vital question to the florists, was discussed, but no action was taken regarding same. At the next regular meeting, February 3, the installation of officers will take place. After the meeting many of the members went over to Flenner's bowling alleys to watch the florist team bowl in the city tournament. The Chicago American said it was too early in the morning for the florists to bowl. The score was 2342, not high enough to give them any standing with the teams on the list. In the doubles, bowled by A. Zech and Ed. Winterson, they fared better, making a score of 1130, high enough to place them on the list for a prize. In the singles they fell down. Still they feel elated that in any instance they were fortunate enough to get on the winning list.

Florists' Bowling League

The Florists' Bowling League bowled last Wednesday, January 5, owing to the Club meeting and the other bowling matches occurring on Thursday night. Following are the results:

Violets vs. Orchids: Violets 2284 total; Orchids 2184 total.

Carnations vs. Roses: Carnations 2279 total; Roses 2173 total.

The teams will bowl as usual this week on Thursday night.

Boston

The speaker in the first of the Winter course of lectures of the Mass. Horticultural Society on Saturday last was E. H. Wilson of the Arnold Arboretum, who gave an illustrated talk on the flora of China, describing many of the new plants which had been collected by him on his recent travels in that country.

At Horticultural Hall, on Saturday, there was on exhibition a fine lot of well-grown Primulas from Martin Sullivan of Brookline, and also some fine Cinerarias from William Rust of Brookline. Each of the exhibits were awarded gratuities.

There will be a meeting of the Committee of Arrangements of the S. A. F. National Flower Show on Saturday, Jan. 15, for the purpose of taking action on the preliminary schedule and other matters of importance.

Henry M. Robinson & Co. report an exceptional brisk business for the past month and are handling large quantities of hardy Ferns and Boxwood of excellent quality.

C. A. Sanborn of Woburn had considerable damage done to his plant on Wednesday of last week when his headhouse, potting rooms, etc., were destroyed by fire; he succeeded in protecting the adjoining houses which were filled with Violets. The loss will be about $1000, partially insured.

Ed. J. Rogean is now handling Roses for A. N. Pierson of Cromwell in the Park St. Market; his white Killarneys are as fine as any seen in this city for a long time.

Don't forget the Club meeting, Tuesday evening. H. U. B.

POUGHKEEPSIE, N. Y.—Flowers, worth $50, were destroyed by the overturning of the delivery wagon of Murphy & Schaumburg recently.

BUFFALO, N. Y.—Edgar J. Spiess has opened a new florist store at 211 Genesee st.

CENTRALIA, ILL.—The J. W. Ross Co. has been incorporated with a capital of $40,000 to conduct a florist, seed and nursery business. Incorporators: J. W. Ross, J. E. Karnes, and J. J. Bundy.

The Best BUG KILLER AND BLOOM SAVER

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The tank is made of galvanized sheet steel, and in brass.
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Ask your dealer about our Extension Hose, Extension Rods, and the Mastin White-wash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. Mastin & Co., 3124 West Lake St., CHICAGO, ILL.

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Albany, N. Y.

Business in Albany is much brighter now, than in the past week; gaiety going on, dinners, receptions and débutantes coming out, giving plenty to do among the local florists, in addition to which the New York State Assembly and Senate went into session on Jan. 5, giving work to many of the florists, in making up horseshoes, baskets and bouquets for the various desks of the honorable bodies.

F. A. Danker has leased the store adjoining his present one at 42 Maiden Lane from April 1 next, which, he says, will be remodeled; one large window will be put in and, when completed he expects to have one of the best equipped florists' establishments in the State.

The Albany Florists' Club met at their rooms, 75 State st., the regular monthly meeting night, Thursday, Jan. 6 but, as the weather was very unfavorable, there was only a small attendance. The banquet of the Club will be held on Thursday, Jan. 13, at the New Kenmore instead of Stanwix Hall; everything has been arranged for a good time for all and a large gathering is expected.

Chas. Sanders, gardener for H. G. Eyres, a member of the Club, has been laid up with erysipelas for the past few weeks, and seems to be in very bad shape, having partly recovered and starting to work too soon had a relapse. Everyone hopes to see him around again soon, for he is certainly missed among his fellow craftsmen. W. C. K.

Washington, D. C.

The New Year ushered itself in amid genuine Winter conditions, with the thermometer unseasonably low. There was a lively demand, kept up since Christmas, for cut flowers and plants, and prevailing prices were much like those of former years. Since the opening of Washington's social season there has been the greatest demand for débutante's bouquets. One local dealer claims this one item alone has more than doubled his business. The favored flower used in the bouquets is the American Beauty Rose.

JAS. L. CARBERY.

KILMDEAD The best of all the tobacco dusts for Dusting or Fumigating

25 lbs., $1.00 50 lbs., 1.75 100 lbs., $ 3.00 500 lbs., 14.00 1000 lbs., $27.00 2000 lbs., 52.50

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Pulverized Sheep Manure

Pure — Uniform — Reliable.

A strong and quick acting manure, highly recommended for carnations and chrysanthemums.

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Easy to handle and apply.

Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequaled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

Ask your supply man or write us for circulars and prices.

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A. T. DE LA MARE PTG & PUB CO. LTD

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

All *our* bags have our guarantee tag on the bag, reading "Satisfaction or Money Back," and this trade mark

$3.00 per bag 100 lbs.

It costs 15 cts. to thoroughly fumigate a house 100x25.

We sell direct to the grower.

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All the Clay for our Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

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Fern Pans all sizes up to and including 10 inches. Our stock of St. Pots, Azalea Pots, Bulb Pans, etc., is complete. Special attention given to mail orders, which are shipped the same day as received.

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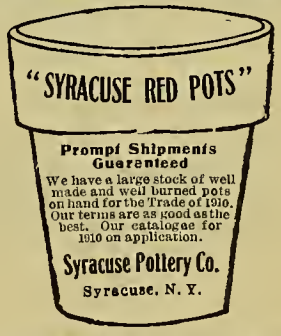

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Packed in small crates, easy to handle.

	Price per crate.		Price per crate.
1500 2 in. pots in crate, $4.50		120 7 in. pots in crate, $4.20	
1500 2¼ " "	5.25	60 8 " "	3.00
1500 2½ " "	6.00		
1000 3 " "	6.00	HAND MADE	
800 3½ " "	6.80	48 9 in. pots in crate, $3.60	
500 4 " "	4.50	48 10 " "	4.80
1456 4½ " "	6.24	24 11 " "	6.60
320 5 " "	4.51	24 12 " "	4.80
210 5½ " "	6.76	12 14 " "	4.60
144 6 " "	3.16	6 16 " "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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Over 40% Nicotine By far the CHEAPEST.

Just Note Prices!

Pint $1.50
½ Gallon. . . . 5.50
Gallon 10.50
5 Gallons. . . . 47.25

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For Plants, Lawns, Gardens, etc.

A natural Plant Food and Soil Improver, guaranteed to contain no acid or chemicals. Try it! $25.00 per ton, $7.50 per 500 lbs., $2.00 per 100 lbs.

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A Word on the Cost of Greenhouses

How much time do you lose, how much needless material is consequently cut up because of the inaccurate measurements of your men in erecting your wooden houses?

Did you ever stop to figure out, right down to dollars and cents, just how cheap the H. & Co. Flat Iron Rafter House is? Take the erecting costs for instance: All parts are cut and fitted at the factory, and made ready to go together with practically no additional labor of fitting and fussing on the job. The frame work can be pushed along at good speed. The rafters with the purlins spacing them 8 feet 4 inches apart form a complete framing unit that in no way depends on any cypress member for its support—these framing units in turn support all the cypress members used.

Some of the cypress members of your house may require replacing after many years, but that Iron Frame will stand rigid and unaffected for generations. It then gets right down to the question of—not whether you can afford to build our Iron Frame House, but CAN YOU AFFORD NOT TO? Write us.

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For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

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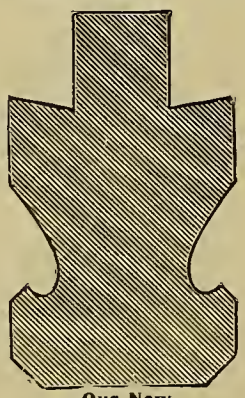
We Carry 1,500,000 ft. of Louisiana Cypress in Stock

Everything for Erection

We carry the largest stock of

HOT-BED SASH In the United States



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Los Angeles

Sidney Hockridge, proprietor of City Nurseries of Redlands, has two of his new houses, each 20 by 100 ft., planted to Tomatoes, and what a beautiful sight they are, furnished with large luxuriant foliage from the ground to the top of the plants, no sign of insect pest or fungus disease, and the crop of fruit promising to be large. The plants are grown to a single stem, trained to strings, and at the price early Tomatoes are sold in our local markets the returns from these two houses should be satisfactory to the owner on the investment. What is better yet, the pleasure of seeing those luxuriant plants at a season of the year when all their class are killed to the ground by frost, is great, even though the finest looking Orange groves to be found in southern California at present are in that locality. The houses are built 20 ft. apart, with large ventilators on both sides of each, as well as on both sides of the ridge. The atmosphere was pure and sweet, free from that "taint" known as "greenhouse" which characterizes many such establishments and is the cause of an untold amount of trouble and loss from fungus diseases. They are heated by hot water under pressure; and—you Eastern greenhouse men, will you believe the statement—with coal at $15 a ton in carload lots, the cost of delivery into the boiler house not included. It is a fact. This part of his expense bill is too high. Greenhouse men about Los Angeles use distillate and oil burners at less than half the cost for the same work. This is the only successful attempt at raising Tomatoes under glass we have seen in California. Delightful as our climate is, and congenial to the growth and perfect development of a greater variety of plants than any other section of the United States, it is a fact that, because of cool nights near the Coast, and the extremely dry atmosphere of the interior sections, we cannot produce ripe Tomatoes here earlier in the season in the open ground than do gardeners in the Eastern States.

D. F. Reichard, of the Morris & Snow Seed Co., was seriously burned Christmas eve., by his clothes taking fire at a Christmas tree, while he was impersonating Santa Claus. P. D. B.

Hot-Bed Sash

If you need more **Hot-Bed Sash** for the coming season write us for prices. We have stock in all grades, including the very best. **Our Washington Red Cedar Sash** are superior even to the old-time White Pine Sash.

A. Dietsch Company

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GREENHOUSE MATERIAL

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Are you going to build a **Sash Bar, Semi-Iron Frame** or **Iron Frame Greenhouse?** We have interested others in our methods of construction and in our prices—why not you?

ISAAC CASSIDY,

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19 GLASS 10

We Wish You a Prosperous New Year

The Holiday rush is over, anticipate your glass wants, buy now, our stock always large and good. Write us for prices before buying.

SHARP, PARTRIDGE & CO., CHICAGO, ILLS. Phone, Canal 880

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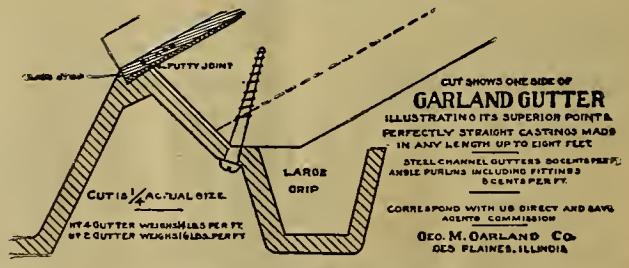

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ITS TWO PHASES

We take it for granted that if you build a greenhouse you want it ornamental, for the days of utilitarian ugliness are past—but this ornamental side must not be sacrificed to the highest possible growing conditions.

The U-Bar with its curved eaves, wide glass and evident lightness makes a combination meeting both the lines of beauty and those of returns.

The catalog lines up the comparative merits of various constructions, and goes into the matter with numerous illustrations—an interesting and very instructive piece of catalog making. Let us send it.

U-BAR GREENHOUSES

PIERSON U-BAR CO.
DESIGNERS AND BUILDERS 1 MADISON AVE. NEW YORK

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CONCRETE STEEL BENCHES

After three years' experimenting and putting to actual test, we are prepared to book your orders for our Steel Forms by which means you can erect the neatest, most durable bench known to the grower to-day. Many perfectly pleased and satisfied customers on our books.

We invite correspondence.

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PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

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Greenhouse Material

STRICTLY RED GULF CYPRESS, milled to any detail.
SASH BARS, in all lengths up to 32 feet.
HOT BED SASH, a specialty.

FRANK VAN ASSCHE
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New Bedford, Mass.

Business has been fairly good the past week. The cut flower trade has had a good demand with the supply about equal to it. Carnations are retailing at 60c. per doz. Roses from $1.50 to $2 per doz. Violets of fair quality at $1.50 per 100. Sweet Peas, $1 per 100; all retail.

Funeral work has been very good the past week, using up lots of short and split stock. Paperwhite Narcissus retails at 50c. per doz.; there is a good supply of these coming in from local growers.

Plant trade is fairly good; some nice Azaleas, Begonias, Primroses, etc., are still to be seen, in the stores.

R. E. Nofftz, the William st. florist, had a unique design for the funeral of a local man the past week; this was an elevator or, as some call them, a lift. Immense quantities of Carnations, Roses and greens were used up in its making.

R. H. Woodhouse's place is looking fine with its Carnations, Roses, Violets and the large quantities of bedding stock he grows.

A. B. Hathaway is growing lots of bulbous stock this year; he also has some nice Sweet Peas.

The weather here since Christmas has been steady cold with fairly good sunshine days, which helps out lots.

HORTICO.

Bridgeton, N. J.

My Christmas business was a little better than the year previous and the things that went first were the largest, such as Azaleas, pans of Poinsettias and made-up pans of Poinsettias and Ferns. I also do quite a business in canaries and goldfish, and sold in the Christmas season about 35 canaries and upwards of 1000 goldfish. FRANK L. INGLES.

KEEP A
HOLLY STANDARD CIRCULATOR
busy and watch results.

SUB-TARGET GUN CO.,
STEAM ENGINEERING DEPARTMENT
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PEERLESS
FULL SIZE No. 2
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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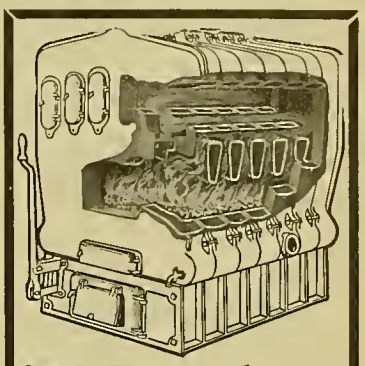

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The Burnham has the longest fire travel of any Cast Iron Sectional Boiler. A long fire travel makes a short coal bill.

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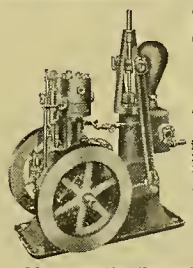

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Evans Improved Challenge

Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

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ALL SIZES
16x24 A. & B. Double a Specialty
C. S. WEBER & CO.,
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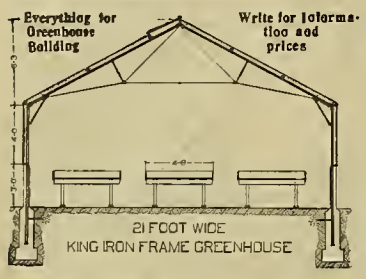

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VENTILATING MACHINERY

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OUR factory has turned out more cypress greenhouses than any other factory in America. We have furnished the largest range in the world and the finest commercial plant in existence to-day. For forty years we have been in business. Greenhouses have been supplied to every State in the Union, to Canada and Mexico and to Europe. . . . There are more commercial greenhouses in the U. S. of our manufacture than of any other firm in existence. You can buy the house all complete from us, or we'll furnish any part of it. . . .

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BY USING

Standard Greenhouse Boilers
One cent gets our catalog.
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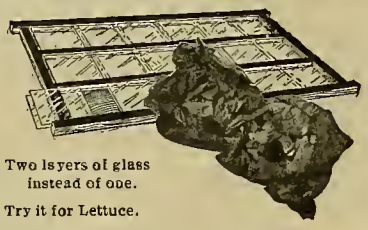

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What are your losses under single glass sash?

R. Effinger, Jeffersontown, Ky. writes: "I bought 20 Sunlight Sash and have given them a thorough trial. I never lost a plant from frost or freezing, although I never used any covering even during zero weather."

The man who grows to sell should test the Sunlight Double Glass sash.

You will get such remarkable results that you will *double your beds.*

Pays for itself in a single season

Get the big prices for the early plants.

The Sunlight Sash makes your plants as safe in zero weather as in the open air in May. The dry air between the two layers of glass is *better* protection than mats or boards. Never needs covering.

You can handle twice the number of beds.

Write for catalog and freight prepaid proposition. Fast freight, safe delivery guaranteed. Order now.

Agents Wanted—The wonderful success of Sunlight Sash makes it a good paying proposition to agents. 75% of our trial orders last year re-ordered this year in lots ranging from 5 to 100 sash. Write for your territory today.

SUNLIGHT DOUBLE GLASS SASH CO.,
933 East Broadway, Louisville, Ky.

for Hot-beds and Cold-frames

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DREER'S Florist Specialties. KEYSTONE CEDAR PLANT TUBS.

	Diam.	Each.	Doz.	100.
A	11 in.	.65	7.15	55.00
B	12¼ "	.75	8.25	65.00
C	13¾ "	.85	9.35	75.00
D	14¼ "	1.00	11.00	90.00
E	15¾ "	1.25	13.75	110.00
F	16¼ "	1.50	16.50	130.00

Three largest sizes have handles.

Special PAIL TUBS

8 inches.	.30	3.50	28.00
11 "	.30	3.50	28.00

Painted Green.

HENRY A. DREER,
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For Good Serviceable **SECOND-HAND PIPE**

Our prices are—1-in. pipe, $2.52; 1¼-in., $3.55; 1½-in., $4.05; 2-in., $5.55; 2½-in., $8 50; 3-in. $11.00 per 100 feet. We also sell Boiler Tubes.

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Write to us about your

Materials and Plans
for any size and style of
GREENHOUSE
for new structure or repairs.

Hot-Bed Sash
in stock or any size required.

Pecky Cypress Benches
most lasting—least expensive.

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The book of WATER GARDENING By Peter Bisset Price, postpaid, $2.50

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AN ALL IRON BENCH

WHAT'S the use of continually replacing wooden benches or building expensive moulds for concrete ones; or experimenting with all tile benches, when here is a *Cast Iron Bench* that is indestructible. Bolts together in sections, easiest thing yet in the bench line, to put up.

Gives 10% more soil room than a concrete bench of same width. Perfect drainage. Easiest to keep free from soil pests. Is thoroughly practical and adaptable for either private or commercial use.

Send right now for a circular.

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Office and Warerooms; 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

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THE KROESCHELL BOILER

IS THE ONLY PERFECT HOT WATER BOILER

Made in 15 sizes, heating from the smallest greenhouse up to 60,000 square feet of glass to 50° at 15° below zero.

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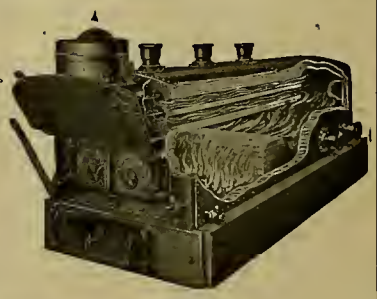
KROESCHELL BROS CO.,
468 ERIE STREET, CHICAGO



Please mention the Exchange when writing.

REMEMBER! FLORISTS, REMEMBER!

That we manufacture Steam and Hot Water Boilers.
That we contract for and erect Heating Apparatus.
That we make a specialty of curing defective apparatus.
That our staff of Heating Engineers is reliable and competent
That our Mechanics—pipe fitters—boiler makers, etc., are all first-class.
That it will pay you to get our suggestions and estimates.

ESTABLISHED NEARLY 50 YEARS

JOHN A. SCOLLAY

74-76 Myrtle Ave. Borough Brooklyn New York City
U. G. SCOLLAY, Manager L. D. Telephone, 1492 Main

Please mention the Exchange when writing.

Next Week—Full Report of the A. C. S. Meeting at Pittsburg

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 4 NEW YORK AND CHICAGO, JANUARY 22, 1910 One Dollar Per Year

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of the different varieties of

NEPHROLEPIS

which will be found one of the best-selling and most profitable plants that florists can handle. Our stock is in unusually fine shape, and we will guarantee it will please the most exacting, as it is exceptionally good value at the prices quoted.

Improved Elegantissima. The finest of all this type. It was introduced by us in 1905. This form of Elegantissima has been greatly improved, and shows no tendency to revert to the Boston, making it the most valuable fern of this type.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8-in., $12.00 to $18.00 per dozen—according to size.

Superbissima. Introduced by us in 1908. A very unique and distinct novelty. Its distinguishing characteristics are its dark green foliage and dense growth. Fronds are very heavily imbricated, making them very dense and compact.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8 in., $12.00 to $18.00 per dozen—according to size.

Bostoniensis, Piersoni, Whitmani, Scottii—Extra fine plants, 6-in. pots, $6.00 per dozen; 8-in. pans, $12.00 per dozen.

F. R. PIERSON CO. Tarrytown-on-Hudson New York

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

GRAFTED AND OWN ROOT ROSES

WHITE KILLARNEY (Waban Strain)

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.50 "	8.00 "	75.00 "

KILLARNEY

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

MY MARYLAND

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	6.00 "	50.00 "

RICHMOND, KAISERIN, BRIDES and 'MAIDS

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

CARNATIONS

We are now booking orders for Carnations. Pink Delight and May Day are our leaders in new varieties. Winsor, Beacon, White Enchantress nnd White Perfection in quantity.

CHRYSANTHEMUMS

The best of the new ones and the best of the standards. Commercial varieties exclusively. We are booking orders for both rooted cuttings and plants from pots for February and March delivery.

OUR CATALOGUE

Contains the Carnation and Chrysanthemum lists. It includes our Rose list and the bedding stock. You need our catalogue. If you haven't received one, send for it. We can handle your order whether it is large or small.

Please mention the Exchange when writing.

SPLENDID NEW CROP of ASPARAGUS Plumosus Nanus

GOOD, HEAVY STRINGS, 50 cts. each

Exceptionally fine plants of

Asparagus Sprengeri

2 1/4 in. stock, $30.00 per 1000

W. H. ELLIOTT

BRIGHTON, MASS.

Please mention the Exchange when writing.

GERANIUMS

OUR new Illustrated Geranium Catalogue is now being mailed; it is free to the trade. If you do not get one write us.

We claim to have the largest and most complete collection of Geraniums in the country: $2.00 per 100, $18.50 per 1000, for good Standard sorts, from 2-in. pots.

For several years we have made a specialty of collections of 1000 Geraniums in 20 varieties for $18.50 cash, which have given general satisfaction.

We have a splendid stock of the following in 2-in. pots, at $2.00 per 100, for immediate shipment:

DOUBLE LOBELIA, Kathleen Mallard; ALYSSUM, Giant and Double; LEMON VERBENAS; FUCHSIAS, 6 Varieties; COLEUS, Verschaffeltii and Golden Bedder; LANTANAS, 8 varieties; IVY LEAVED GERANIUMS, 6 Varieties; SCENTED GERANIUMS.

DOUBLE PETUNIAS, mixed colors, $3.00 per 100.

CANNA ROOTS, home grown, 1,000,000, good, strong division, at $2.00 per 100, $18.50 per 1000. King Humbert, $6.00 per 100, $50.00 per 1,000.

Send for List

DAHLIA ROOTS, whole field clumps, $5.00 per 100 and up.

Cash with order, please

R. VINCENT, JR. & SONS CO.

WHITE MARSH, MD.

Please mention the Exchange when writing.

Contents and Index to Advertisers, Page 119

CANE STAKES

For your Lilies, 6 to 9 ft.....Per 1000 $7.00
For your Lilies, 9 to 13 ft.....Per 1000 13.00

	Per 100	Per 1000
LILY OF THE VALLEY PIPS	$1.40	$12.00
	Trade Pkt.	Per Oz.
AGERATUM, Imperial Dwarf Blue	$0.10	$0.20
ASPARAGUS PLUMOSUS NANUS	1000 seeds $3.50	
ASTER, Perfection, in colors	.25	1.25
BEGONIA, Vernon	.25	2.50
BELLIS PERENNIS, named sorts	.25	1.25
CENTAUREA, Gymnocarpa	.15	.35
COBÆA SCANDENS	.15	.40
CYCLAMEN GIGANTEUM, in colors	100 seeds $0.75	
LOBELIA, Crystal Palace Compacta	.25	1.25
MYOSOTIS, Dwarf Victoria	.25	.80
RESEDA, Machet	.10	.25
SALVIA, Bonfire	.25	2.50
STOCKS, Large Flowering, in colors	.25	2.50
SWEET PEAS, forcing varieties	Per lb., $0.75	
VERBENAS, Elliott's Mammoth	.25	1.00
VINCAS, in colors	.15	.50

WM. ELLIOTT & SONS
42 Vesey St., NEW YORK

Please mention the Exchange when writing.

To Our Florist Friends

FILL UP THE GAPS with GLADIOLI

(The Flower that is just coming into its own)

PLANTED NOW where Carnations have missed, you will have a profitable crop

Leading Varieties That Are Winners

	Per 1000
AMERICA, flesh pink	**$35.00**
ATTRACTION, crimson with white throat	**30.00**
EASTER, white, lemon tinge	**12.00**
SHAKESPEARE, white, suffused carmine	**50.00**

8% discount for cash with order

Our **White** and **Light Mixed** are equal to **any** in the world at **any price**

Write us for prices if your dealer does not carry our stock, which is noted for **superior merit.** We believe that we are the largest growers of **Gladioli** in the world.

JOHN LEWIS CHILDS, Floral Park, N. Y.

Please mention the Exchange when writing.

Sweet Peas

We carry **in stock** all the **LEADING** and **UP-TO-DATE VARIETIES,** and have **MANY TESTIMONIALS as to QUALITY** and **TRUENESS of TYPE.** Catalogues Free.

ARTHUR T. BODDINGTON, SEEDSMAN 342 W. 14th St., NEW YORK CITY

Please mention the Exchange when writing.

S. & W. Co.'s Begonias and Gloxinias

Our stock of these bulbs are the best and finest strains in existence; we have been supplying the same customers for the past ten years with our strains, and adding new customers each year.

BEGONIAS

SINGLE

Scarlet, 1¼ to 1½ in., Dark Red, Pink, Rose, White, Yellow, Orange, Salmon, Mixed — 40c. per doz. — $2.50 per 100

DOUBLE

White, Yellow, Orange, Rose, Dark Rose, Dark Red, Red, Salmon, Mixed — 65c. per doz. — $5.00 per 100

GLOXINIAS—S. & W. Co.'s Superb Strain

	Doz.	100
Emperor Frederick, red, bordered white	$0.75	$5.00
Emperor William, violet, bordered white	.75	5.00
Princess Elizabeth, white, bordered blue	.75	5.00
Mont Blanc, pure white	.75	5.00
Violacea, dark violet	.75	5.00
Madame Helene, white, crowned violet	.75	5.00
Princess Mathilda, white, bordered rose	$0.75	$5.00
Queen Victoria, dark rose	.75	5.00
Defiance, scarlet	.85	6.00
King of the Reds, deep scarlet	.85	6.00
Prince Albert, dark violet	.85	6.00
Finest Mixed	.60	4.00

Stumpp & Walter Co 50 Barclay St., NEW YORK

Please mention the Exchange when writing.

Dreer's Double Petunias

Our DOUBLE PETUNIAS, for more than half a century, have been the acknowledged standard. The strain this season is equal in high quality to its predecessors, and is well known to the trade.

We offer fifteen distinct varieties, in strong 3-in. pots, which will quickly furnish an abundance of cuttings.

Strong 3-inch pots, 75 cts. per doz., $6.00 per 100. The set of 15 for $1.00.

SEED OF OUR

Superb Strain of Fringed Petunias

DOUBLE, 75 cts. per 500 seeds, $1.50 per 1000 Seeds.
SINGLE, 50 cts. per trade pkt., $1.00 per 1-16 oz., $1.50 per 1-8 oz.

OUR QUARTERLY WHOLESALE PRICE LIST, issued January 1st., offers a full line of seasonable Plants, Seeds and Bulbs.

HENRY A. DREER, Philadelphia, Pa.

Please mention the Exchange when writing.

JOHNSON'S

ASTERS

For Florists

The highest developed types from the leading American and European specialists.

QUEEN OF THE MARKET

		Trade pkt.	Per oz.
Dark Blue	Three weeks earlier than other Asters	$0.20	$0.60
Light Blue		20	60
Pink		20	60
Crimson		20	60
White		20	60
Mixed		20	60

EARLY HOHENZOLLERN

Flowers measure four to five inches across.

Azure Blue	25	1 25
Bride. White changing to Rose	25	1 25
Crimson	25	1 25
Pink	25	1 25
White	25	1 25
Mixed	20	1 00
Snowdrift. Pure White. The earliest large flowering White Aster	30	2 50
Violet King	25	1 50
White Fleece. Pure White	30	1 75
Vick's Branching. White	25	1 00
Vick's Late Branching. Sep. colors	25	1 00
Daybreak. Delicate Pink, very double	30	1 75
Purity. Pure White	30	1 75
Lavender Gem	30	2 25
Royal Purple. Extremely early. Invaluable for cutting	25	1 50

Write for our complete Flower Seed List for Florists' just issued.

Johnson Seed Company

217 Market St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Seasonable Seeds

CALADIUM esculentum, Fancy Caladium from Brazil. **GLADIOLI,** all sorts. **Japan IRIS. Japan LILIES.** Double-flowering **CHERRIES** for Easter. Send for our new Spring list. Ready by January 10.

H. H. BERGER & CO.

70 Warren St., New York City

Please mention the Exchange when writing.

XXX SEEDS

SALVIA, Wm. Pfitzer, extra fine, dwarf, very fiery red. Trade pkt. 25c.

ALYSSUM COMPACTUM, most dwarf and compact variety grown, perfect balls when grown in pots, pkt. 20c.

PETUNIA STAR, improved, finest marked flowers, very fine, pkt. 20c.

PETUNIA, GIANT, single fringed large and fine, pkt. 20c.

PHLOX DRUM. PUMILA, very dwarf, grand for pots, fine color, pkt. 20c.

CHINESE PRIMROSE, finest grown, single and double, mixed, 500 seeds, $1.00; ½ pkt. 50c.

PRIMULA KEWENSIS, the grand new sweet-sceneted yellow Primrose, pkt. 20c.

CINERARIA, large-flowering, dwarf, mixed, 1000 seeds, 50c.; ½ pkt. 25c.

CYCLAMEN GIGANTEUM, finest giants, mixed, 200 seeds, $1.00; ½ pkt. 50c.

GIANT PANSY, finest grown, critically selected, 6000 seeds, $1.00; ½ pkt. 50c.; oz. $2.50.

COLEUS, New Hybrids, fine colors, pkt. 20c.

VERBENA, Improved Mammoth, finest giants grown, mixed or separate of white, scarlet, pink, striped and auricula-eyed. Large trade pkt. 25c.

IRISH SHAMROCK

THE REAL THING! GREEN.

Very fine and strong; ready for immediate shipment; perfect beauties. Per 100 $4.00, 50c. per doz. postpaid.

CASH. Liberal extra count.

JOHN F. RUPP, Shiremanstown, Pa.

RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

NEW CROP

Flower and Vegetable Seeds

FOR FORCING

Lobelia Crystal Palace Compacta. Salvia Splendens and Bonfire. Centaurea Gymnocarpa. Begonia Vernon. Cobaea Scandens. Dracaena Indivisa. Mignonette, New York Market. Primula Chinensis. Schizanthus Wisetonensis.

Tomato "The Don." Onion "Allan Craig."

Mushroom Spawn, English and Pure Culture.

Special prices on application.

WEEBER & DON, Seed Merchants & Growers, 114 Chambers St., N. Y.

Please mention the Exchange when writing.

S. & W. CO.'S

Fertilized Flower Pots

For Growing and Shipping Plants

Made of Extra Heavy Manila Waterproof Card Board, Fertilized, Wire Stitched Seams, Perfect Drainage and Shipped Flat.

If you grow Tomatoes or Pot Plants you cannot afford to pass over this.

These square pots economize space, give more room to the roots than the tapering round pots. In setting out plants the pots are not removed. Simply unlock the bottom flaps and turn them up (see cut), allowing the roots to grow down.

Size	Gross Weight Per 1000	250	1000
2¾ inch	....about 30 lbs.	....$1.00	$3.00
3 inch	....about 40 lbs.	.... 1.60	4.50
3½ inch	....about 50 lbs.	.... 1.76	5.50

In setting out plants unlock the bottom, pull pot up one inch and you have a wall to protect the roots against Grubs and Worms.

STUMPP & WALTER CO.

50 Barclay St., New York

Please mention the Exchange when writing.

Stock Seed

Fiske's Branching in all colors. Tr. pkt. 40c., oz. $4.00.

Pure White, tr. pkt. 50c., oz. $5.00.

Also **Beauty of Nice** strains.

H. E. FISKE SEED CO., **Boston, Mass.**

Please mention the Exchange when writing.

CHOICE GERMAN

FLOWER SEEDS

Catalogue free on application
Stamp letters 5 cents; foreign post card 2 cents

FREDERICK ROEMER,

Seed Grower Quedlinburg, Germany

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

Please mention the Exchange when writing.

NEW CROP

FLOWER SEED

ASPARAGUS Plumosus. Per 1000 seeds, $3.50. **Sprengeri.** Per 1000 seeds, 75c.

PETUNIA, Large Flowering Double Fringed. Trade pkt. $1.00. Single Fringed. Trade pkt. 50c. Single California Giants. 50c.

SALVIA Zurich. Oz. $5.00. **Triumph.** Oz. $5.00.

MOONFLOWER. White seed, 36c.

Fresh Tobacco Stems. Bale of 300 lbs. $1.75; ton, $9.00.

W. C. BECKERT

SEEDSMAN

103 Federal St., N. S., Pittsburg

Please mention the Exchange when writing.

GET QUOTATIONS FROM

LANDRETH SEEDS which **SUCCEED**

Bloomsdale Farms **Bristol, Pa.**

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

ONION SEED == ONION SETS

We are large growers of and dealers in Onion Seed and Onion Sets.

Write for prices on 1909 crop.

Can also quote contract prices for the 1910 Onion Seed crop.

SCHILDER BROS., Chillicothe, O.

Please mention the Exchange when writing.

CABBAGE

Wakefield and Succession, $1.00 per 1000, $8.50 per 10,000.

PARSLEY, 25c. per 100, $1.25 per 1000.

LETTUCE, Big Boston, Boston Market and **Grand Rapids,** $1.00 per 1000 Cash with order.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO.

BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

CAULIFLOWER SEED

CABBAGE

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR, HARTMANN & CO.

COPENHAGEN, DENMARK

Please mention the Exchange when writing.

EVERY FLORIST WHO GROWS

ASTERS

Should Send for Our Aster Book Immediately

Get your name on our files for our regular **Florists' Wholesale Catalogue.** These books are free.

JAMES VICK'S SONS

ROCHESTER, N. Y.

Mention this paper

Please mention the Exchange when writing.

CREGO ASTER SEED

The Crego Pink Aster is the largest and finest variety grown. We can furnish seed of our own growing saved from the very best flowers only, all inferior plants being discarded. This seed was saved from the finest lot of Asters we ever saw. Price, ¼ oz. 60c., oz. $2.00.

Ask for catalogue of our seeds.

JOSEPH HARRIS CO., Seed Growers **Coldwater, N. Y.**

Please mention the Exchange when writing.

CANNAS 500,000 roots for Fall delivery in 100 leading kinds, $8.00 to $20.00 per 1000. Write for our list.

SHELLROAD GREENHOUSES, Orange, Baltimore, Md.

Largest Canna Growers in America.

Please mention the Exchange when writing.

WARD'S LILY BULBS

"NOT HOW CHEAP— BUT HOW GOOD"

RALPH M. WARD & CO.

12 West Broadway—New York

AMERICAN SEED TRADE ASSOCIATION

President J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec. Leonard H. Vaughan, Chicago.

We look for the year 1910 to be the greatest in the annals of the American Seed Trade. Those who make the greatest efforts (which includes advertising in all its forms, both wholesale and retail) are likely to be most benefited.

IMPORTS, ETC.—Jan. 10.—Wells Fargo & Co., 1 box bulbs; Pitt & Scott, 1 package seed. Jan. 12.—J. M. Thorburn & Co., 33 bags grass and Clover seed; Vaughan's Seed Store, 8 bags grass seed; Wm. Elliott & Sons, 12 bags grass seed; W. T. Barnard & Co., 5 cases agric. seeds; Wakem & McLaughlin, 700 bags Sugar Beet seed; Bernard Judca & Co., 250 bags Sugar Beet seed; J. S. Bartle, 15 bags grass seed; H. F. Darrow, 3 bags garden seed; American Express Co., 78 barrels garden seeds. Jan. 13.—O. G. Hempstead & Son, 14 barrels seed. Jan. 15, 16.—F. B. Vandegrift & Co., 7 cases plants; Lunham & Moore, 4 cases plants; Aug. Rolker & Son, 10 cases plants; Aug. Rolker & Sons, 32 cases plants; Merchants Dispatch Co., 3 cases plants; J. M. Thorburn & Co., 11 cases seeds; G. W. Sheldon & Co., 32 sacks seeds; Stumpp & Walter Co., 12 cases seeds; Vaughan's Seed Store, 8 packages seeds; H. F. Darrow, 350 cases Lily of the Valley; O. G. Hempstead & Co., 15 packages seeds; H. M. Baker, 200 bags Alfalfa seed. Jan. 17.—Wells Fargo & Co., 6 boxes roots, 8 boxes bulbs; A. T. Boddington, 2 cases seeds; J. M. Thorburn & Co., 38 packages seeds; Tice & Lynch, 7 packages seed; Kennedy & Moon, 10 packages seeds; I. C. Pollack, 9 packages seed; Maltus & Ware, 2 cases plants; H. F. Darrow, 9 packages plants; F. B. Vandegrift & Co., 1 case trees; G. W. Sheldon & Co., 1 case plants; Maltus & Ware, 9 packages plants; F. B. Vandegrift & Co., 45 bags seed; Maltus & Ware, 8 cases bulbs, 12 cases plants; F. R. Pierson Co., 1 barrel garden seed; J. M. Thorburn & Co., 10 packages seeds.

European Notes

With the exception of a few minutes about midday on Jan. 2 we have not seen a glimpse of the sun since the new year commenced; for the greater part of the time we have been enveloped in a damp, dirty, misty gloom which completely shuts the life out of both animals—the human species particularly—and plants.

What his means to those of us who are making frantic efforts to "cure" our crops of Parsley, Mangel and Radish it is impossible for anyone to imagine, who is not actually in the thick of it.

Boddington's Quality Flower Seeds for Florists

SELECTED SEEDS, SUCCESSFULLY SOWN, SECURE SURE, SAFE AND SERVICEABLE SATISFACTION.

Remember you may deduct 5 per cent. if cash accompanies order.

AGERATUM

	Trade pkt.	Oz.
Mexicanum album	$0.10	$0.20
Blue Perfection	.15	.60
Imperial Dwarf Blue	.10	.25
Imperial Dwarf White	.10	.25
Little Dorrit	.15	.50
Swanley Blue	.10	.25

Little Blue Star, trade pkt. 25c., 5 pkts. for $1.00.

BODDINGTON'S MAUVE BEAUTY

Large Mauve flowers; dwarf compact, very free-flowering. A unique variety. Trade pkt. 10c., oz. 50c.

ALYSSUM

White Gem

A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. $1.00.

	Trade pkt.	Oz.	Lb.
Little Gem, dwarf, best for pots	$0.10	$0.30	$3.50
Carpet of Snow, for hanging baskets and borders	.10	.25	
Sweet (the old variety).	.10	.15	1.25

ASTERS

BODDINGTON'S Asters are famous. Write for catalogue of other varieties and prices.

QUEEN OF THE MARKET ASTERS

Boddington's Extra-Early

	Trade pkt.	Oz.
Pink	$0.15	$0.60
White	.15	.50
Light Blue	.15	.50
Dark Blue	.15	.50
Crimson	.15	.50
Rose	.15	.60
Flesh-Color	.15	.60
Light Rose	.15	.50
Scarlet	.15	.60
Red-Lilac	.15	.50
Finest Mixed	.15	.60

BODDINGTON'S GIANT ANTIRRHINUM

(Height, 3 Feet)

	Trade pkt.	Oz.
Coral-Red. Striking color	$0.20	$0.50
Carmine. Splendid color	.20	.50
Daybreak. Light pink	.20	.60
Brilliant. Scarlet, golden yellow and white	.20	.60
Crescia. Dark scarlet	.20	.60
Queen Victoria. Pure white	.25	1.00
Luteum. Yellow	.20	.60
Firefly. Scarlet	.20	.50
Romeo. Deep rose	.20	.60
Lilacinum. Beautiful lilac	.20	.50
Mixed	.20	.50

BRANCHING ASTERS

Vick's Branching

	Trade pkt.	¼ oz.	Oz.
Crimson	$0.25	$0.35	$1.00
White	.25	.35	1.00
Purple	.25	.35	1.00
Violet	.25	.35	1.00
Rose	.25	.35	1.00

Carlson's Branching

	Trade pkt.	¼ oz.	Oz.
Lavender	$0.25	$0.35	$1.00

Semple's Branching

	Trade pkt.	¼ oz.	Oz.
Shell-Pink	$0.25	$0.35	$1.00
Upright White	.25	.35	1.00

Trade pkt each of the collection of 3 varieties for $1.75.

BEGONIA

	Trade pkt.
Erfordii. Carmine, ⅛ oz., $1.00	$0.25
Semperflorens	.25
Vernon grandiflora, ½ ft. A fine bedding sort, with rich red flowers and glossy bronze-red foliage	.25

CINERARIA

Cineraria maritima. 1½ ft. Trade pkt. 10c., oz. 15c.

Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated. Trade pkt. 50c., $2.00 per oz.

CENTAUREA

	Oz.
Candidissima, 1000 seeds, 25c.	$1.00
Gymnocarpa, 1000 seeds, 15c.	.35

GREVILLEA ROBUSTA

	Trade pkt.	Oz.
(Silk Oak)	$0.10	$0.50

COBAEA

	Trade pkt.	Oz.
Scandens. H. P. Blue	$0.10	$0.30
Alba. White	.20	.75

LOBELIA

	Trade pkt.	Oz.
Erinus gracilis. Trailing; light blue	$0.15	$0.60
Erinus speciosa. Deep blue; trailing	.15	.50
Crystal Palace compacta	.30	1.50
Emperor William compacta	.25	1.25

MIGNONETTE

Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select spikes under glass. ½ trade pkt. 50c., trade pkt. $1.00.

MYOSOTIS

	Trade pkt.	Oz.
Eliza Fonrobert, excellent for pots, blue	$0.15	$0.50
Palustris Semperflorens, ever-blooming	.25	1.50

PETUNIAS

Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. ½ trade pkt. about 1000 seeds 50c., trade pkt. about 2000 seeds $1.00.

Boddington's Snowball, Double. The finest double; pure white, ½ trade pkt. 60c., trade pkt. $1.00.

BODDINGTON'S CENTURY PRIZE

Gigantic single flowers having the edges deeply ruffled or fluted; fine substance, with deep white throats. Colors vary from pure white to dark purple-violet, many being beautifully striped or veined. ½ trade pkt., about 1000 seeds 50c., trade pkt. about 2000 seeds $1.00.

	Trade pkt.
Boddington's Bar Harbor Beauty, Single. Color a beautiful rose	$0.25
Boddington's Ruffled Giants. A grand selection of single fringed Petunias	.50
Boddington's Inimitable Dwarf Compact Hybrids, Single. Flowers blotched and striped	.25

PETUNIAS—Continued

	Trade pkt.
Canary Bird. Medium size, finely fringed and curled borders; distinct yellow, which deepens in the throat. 6 pkts. $1.00	$0.25
Emperor. Single. Large blossoms, distinct in form coloring and marking. The solid colors are particularly rich and velvety, some of the crimson blossoms have pink stars, some pure white, while others are distinctly striped	.50
Howard's Star. Rich crimson, with a distinct white star in center	.25
Rosy Morn. Soft carmine pink	.25
Snowstorm. Pure single white	.25
Hybrids, Single Mixed, oz. 50c.	.15

PYRETHRUM

	Trade pkt.	Oz.
Aureum. (Golden Feather)	$0.10	$0.25
Selaginoides. Foliage fine serrated	.15	.50

SHAMROCK

	Trade pkt.	Oz.
(True Irish). Small-leaved	$0.25	$1.50

SALVIA

	Trade pkt.	Oz.
Clara Bedman (Bonfire). 1½ feet	$0.25	$2.00
Splendens (Scarlet Sage)	.25	1.00
Splendens. Ball of Fire. Very dwarf and early	.25	3.50
Splendens, Little Lord Fauntleroy. Neat and compact, upright and free-flowering	.50	4.00
Splendens aucubaefolia (Silver-spot). Dark green leaves, with light sulphur spots, resembling an aucuba, bright scarlet flower	.25	2.50
Splendens carminea (new). Splendid rose carmine Dwarf	.50	
Splendens gigantea. Attains the enormous height of 7 feet, highly recommended for groups or as an individual specimen	.50	
Splendens pendula. Drooping spikes	.25	2.00
Splendens, Boddington's Miniature. Early, dwarf, 12 in. and very free-flowering; covered the whole Summer with large flower spikes of rich scarlet	.50	
Splendens, Zurich	.60	6.00

QUALITY VERBENAS

	Trade pkt.	Oz.
Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed	$0.25	$1.00
Boddington's Mammoth Auricula-flowered. Large flowers with distinct white eye	.25	1.00
Boddington's Mammoth Blue	.25	1.00
Boddington's Mammoth Pink	.25	1.00
Boddington's Mammoth Scarlet Defiance. The finest scarlet sort	.25	1.00
Boddington's White (Candidissima). Pure white	.25	1.00
Boddington's Striped. Many colors	.25	1.00
Lemon (Aloysia citriodora)	.25	2.00

VINCA

	Trade pkt.	Oz.
Alba. White	$0.15	$0.50
Rosea. Rose	.15	.50
Rosea alba. Rose and white	.15	.50
Mixed	.10	.40

We are headquarters for Sweet Peas of every description. Our Wholesale Catalogue of Quality Seeds and Bulbs (ready January 1st), contains 52 pages of Seeds and Bulbs you need. Write for it today—a postcard will fetch it.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street NEW YORK CITY

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS
ALL COLORS
SEND FOR LIST
ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.

Please mention the Exchange when writing.

F. E. Best Advertising Medium—Alive and Up-to-date

Prices Advertised in these Columns are for THE TRADE ONLY

J. BOLGIANO & SON

WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS

BALTIMORE, MD.

Fortunately, just as we are losing heart, comes the news of a blizzard en route from your side and a biting easterly wind on the way from Siberia, and as we are enjoying (?) the temperature of the sweating chamber of a Turkish bath there is every probability of our experiencing a change which surely cannot be worse than it is now.

Our difficulties in getting our crops are aggravated by our precautions. It is customary for such crops as are improved by stacking to be carted to the vicinity of the barns and farm yards when harvested, and as these are usually reached by good hard roads there is not any difficulty in bringing the heavy threshing machines alongside when the weather permits of threshing being done. But during the past harvest the dry hours were so few that to economize time stacks of a somewhat temporary character were made in the open fields where the crops grew, and there they remain to this day, ill protected and unapproachable, for even when we have a few moderately dry hours it is not possible to move the ponderous engines and threshers through sodden plowed fields, and threshing on cloths in the open fields is simply impracticable.

This somewhat lengthy explanation will enable our friends to understand why we are unable to make complete deliveries at the usual time, and why we are anticipating with so much pleasure the approach of frost, which will, we trust, put the threshers and their machines at work once more.

What we can only suppose are our missing Beets are now being offered in limited quantities from very outside and dubious sources and under a strange jumble of names. They had better be left severely alone; it is not wise to assume honesty in a rogue even when he apes the style and bearing of an honest man.

Very few business changes of any importance have marked the New Year. In London, the firm of Watkins & Simpson has been turned into a limited company, but this has been expected for some time.

Seed catalogs, both wholesale and retail—the latter first in the field—are now in evidence, and thus far they do not appear to reflect the depression which is said to prevail throughout Europe at the present time.

The ratio of advance in prices which is due to the adverse season is more apparent in the wholesale than in the retail lists. The reason is not far to seek, for on account of the elaborate nature of their contents the retail lists have to be put in hand not later than October, while the wholesale lists were in most cases not touched until December and the prices were consequently based upon later and more reliable information in regard to crops. But in spite of all precautions many articles have been sold out since the catalogs were printed, and some procrastinating buyers are intimating that they propose to resort to legal measures to enforce deliveries on orders that have only recently been sent along. "Ye canna tak the breeks frae a hielanman."

EUROPEAN SEEDS.

American Notes

Trade Still Quiet

The blizzard snowstorm of the latter part of last week has very generally blocked all traffic so effectually that little immediate store business is being done by the seedsmen. As has been noted before in this column, many seed catalogs will be considerably later than customary in their distribution this season; but owing to the continued Winterish weather since Christmas, this condition of affairs will affect the total of 1910 seed sales very little, if any at all. The all absorbing question with the entire seed trade at the present time, is not how shall we dispose of what stocks we have on hand, but how shall we be able to obtain seeds enough to adequately supply the needs of our regular customers. Not in years have so many items been on the short list both here and in Europe. This fact would be bad enough to contend with of itself, but when, in addition, it is fully realized how generally small, comparatively, are the quan-

Vegetable Seeds

FOR FORCING

Stokes' Standards are Always the Finest Strains

Tomato, Bonny Best Early, the finest tomato for forcing known; better than the Comet or Lorillard. Seed specially saved for greenhouse growing. Pkt., 20c.; ½ oz., 75c.; oz., $1.25.

Radish, Prussian Globe, ¼ lb., 20c.; lb., 60c.

Radish, Stokes' Scarlet Globe, ¼ lb., 20c., 1 lb., 60c.

Lettuce, Grand Rapids Forcing, oz., 10c.; ¼ lb., 25c.; lb., $1.25.

Lettuce, Stokes' Big Boston, oz., 10c.; ¼ lb., 35c.; lb., $1.25.

Add postage, 8c. per lb., if wanted by mail.

Let me estimate on your Spring requirements for vegetable seeds.

Stokes' Seed Store
219 Market St., Philadelphia, Pa.

Please mention the Exchange when writing.

Try The Following

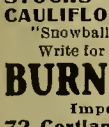
CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
PANSY—"Burnett's Gorgeous Strain."
STOCKS—"Burnett's Perpetual White."
CAULIFLOWER—Burnett's Selected "Snowball."

Write for our Illustrated Catalogue

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

FRESH MUSHROOM SPAWN



ENGLISH AND AMERICAN

VAUGHAN'S SEED STORE

CHICAGO — 84 Randolph Street
NEW YORK — 25 Barclay Street

Please mention the Exchange when writing.

Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C.

Trade Mark **American Spawn Co., St. Paul, Minn.**

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $6.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

FAMOUS ASTER

LADY ROOSEVELT

Gorgeous Pink, 20 to 40 inch stems, scientifically grown and separated seed. Oz. $5.00, ½ oz. $3.00, trial pkt. 50c.

Aster Seed in mixture, best colors, and ¼ Roosevelt. Oz. $1.00.

GLEN MAWR SEED FARMS, Kinzers, Pa.

tities of seeds carried over from the 1908 crop, it is very plain to see that the seed selling season of 1910 will end with little or nothing left, if, indeed many very serious shortages do not in the meantime occur. The shortages in the various varieties of Beans and Peas are now pretty generally understood. Self-blanching Celery, many sorts of Radish and Carrot, and also Beet and Mangel are in limited supply. In flower seeds Canterbury Bells, Foxglove, many varieties of the Spencer types of Sweet Peas, Snapdragon, and California grown Petunias are among the scarce things. Many seeds will be of less vitality than usual this year; it cannot be otherwise with such a very poor growing season just passed. Such being the condition of affairs, it behooves every dealer to purchase his season's supply just as early as he possibly can.

Sweet Peas

The writer of these notes from week to week is never so much pleased as when some reader feels disposed to approve or even differ with the views herein expressed. The following extract is from a letter just received from E. T. of Ohio: "In your issue of Jan. 1 is the following advice: The real secret of success in Sweet Pea seed selling is to persuade a customer to purchase a quantity of seed sufficient to sow a considerable space very thickly. To this end every effort should be used to have customers plant not less than a quarter-pound of the better class of mixtures, and satisfaction is assured them." E. T. goes on to say: "This may be good advice but I do not believe it is, if the seedsman who follows it expects to ever sell Sweet Pea seed to the same customer again. As mixed seed is advised I infer that the customer is supposed to be an amateur, growing simply for home use. I feel safe in saying that the average planting of Sweet Peas by amateurs will not exceed thirty feet of row. A quarter-pound of seed planted in less than one hundred feet of row is almost sure to cause much disappointment, and belief that the soil is unfit for the growing of Sweet Peas; and after a few such disappointments the seed is no longer planted or purchased. I am not a very enthusiastic admirer of the Sweet Pea, but I want to see it have a fair chance and to that end I make this proposition." He also suggests the arrangement of various trials of Sweet Peas sown thinly and thickly, to prove that the writer's original recommendation of the thick sowing of Sweet Pea seed is entirely wrong. The writer would say to E. T. that such experiments as he suggests have been carried out by "V" times without number during the last twenty-five years, and that when the thick planting of Sweet Pea seed was advised in this column, it was done so from experience. If the average garden contains, say, a row of Sweet Peas 20 ft. in length, at least one-quarter pound of seed should be sown in this space. Furthermore, the writer has oftentimes used one pound of seed for 50 ft. of row, and picked blooms from the Sweet Pea vines so grown that received first prizes at such exhibitions as those of the Massachusetts Horticultural Society and elsewhere. Let the average small garden be supplied with at least a quarter pound of Sweet Pea seed, and satisfactory results are sure. V.

New York Seed Trade

J. H. Payne, President of the Jacksonville (Fla.) Floral Company, who was recently here buying novelties, etc. for the holiday trade, writes in reference to the holidays that "never has a larger or more satisfactory volume of business been done by them in this direction."

Burnett Brothers are bringing out an unusually large numbers of worthy novelties and specialties this season. They report trade as starting very satisfactorily, and expect with confidence a very busy season.

At Boddington's as the season approaches things get busier and busier. Orders for florists' flower seeds are coming in well this week; and the first early orders from the retail catalog are also being received. The full swing of trade is not far off.

RAWSON'S RENOWNED SPECIALTIES
FOR FLORISTS

DAHLIAS

To clear a large surplus, we give Florists the first opportunity to purchase some of our latest Dahlias at remarkably low prices. The following list is only an extract from Rawson's florists' catalogue.

Cactus Dahlias

	Per 10	100
Alfred Vasey, pink	$0.75	$6.00
Alpha, white, striped crimson	1.00	8.00
Ambassador, pure white	1.00	8.00
Amos Perry, scarlet	1.00	9.00
Antelope, yellow	.75	6.00
Aschenbroedel, pink	.90	7.00
Blutenregen, scarlet	.75	6.00
Bornemann's Liehling, pink	1.00	9.00
Brautjungfer, pink	1.00	9.00
Charm, pink	1.50	12.00
Citizen, maroon	1.20	10.00
Clara G. Stredwick, pink	.85	7.00
Comet, pink, striped red	.75	6.00
Country Girl, golden	1.20	10.00
Crayfish, scarlet	1.00	9.00
Crepuscule, orange yellow	1.00	9.00
Dainty, yellow and pink	1.00	9.00
Das Marchen, pink	1.50	12.00
Delicata, blush	1.00	9.00
Die Unschuld, cream	1.20	10.00
Edith Groom, white	.75	6.00
Else, salmon pink, suffused yellow	1.00	9.00
Epopee, crimson	1.00	9.00
Feronia, soft pink	1.20	10.00
F. H. Chapman, yellow and orange	1.00	9.00
Floradora, crimson	1.00	9.00
Gaillard, deep red	1.00	9.00
Gladiator, deep apricot	1.00	9.00
Goldfasan, apricot	1.00	10.00
Grenadier, orange pink	1.00	9.00
Harbor Light, vivid orange	.90	7.50
Helene, pink	1.00	9.00
Holsatia, orange scarlet	1.00	8.00
H. Shoesmith, crimson scarlet	1.00	9.00
H. W. Sillem, scarlet	1.00	9.00
Imperator, crimson	1.00	8.00
Ivanhoe, straw color	1.00	9.00
J. H. Jackson, maroon	1.00	9.00
Kriemhilda, pink and white	.50	4.00
Lauretta, yellow edged rose	.75	6.00
Laverstock Beauty, vermilion	.90	7.50
Lovely Eynsford, amber	1.00	9.00
Miss Dorothy Oliver, white	1.00	9.00
Mrs. De Luca, yellow	1.00	9.00
Mrs. H. Shoesmith, pure white	1.20	10.00
Oliver Twist, scarlet	1.00	9.00
Orion, rosy mauve	.90	7.50
Persephone, white	1.00	9.00
Phinens, scarlet	1.00	9.00
Pink Pearl, pink	1.00	9.00
Pink Perfection, rose	1.00	9.00
Princess, deep pink	1.00	9.00
Rainbow, soft pink	1.00	9.00
Roland von Berlin, scarlet	1.00	9.00
Rosea Superba, pink	.90	7.50
Rosy Morn, peach color	1.00	9.00
Ruby, crimson	.75	6.00
Schone Rose, deep rose	1.00	9.00
Schwan, pure white	1.50	12.00
Standard Bearer, crimson	1.00	9.00
Stella, crimson	.75	6.00
T. G. Baker, yellow	2.00	16.00
Wm. Cuthbertson, bright rich crimson	1.00	9.00
Wunderkind, delicate pink	1.00	9.00
Zannkoenig, scarlet	1.00	9.00
Zephyr, rosy pink	1.00	9.00

Not less than 10 of a kind will be sold at the above prices. Single specimens at retail prices less 25 per cent.

To enable florists to have a grand collection of these beautiful flowers we are willing to furnish a collection of one each of one hundred varieties at a net total of $12.00.

Decorative Dahlias

	Per 10	100
Alphonse Isore, scarlet	$1.50	$12.00
Beauty of Kent, red and white	1.00	9.00
Camellia, orange scarlet	.75	6.00
Catherine Duer, crimson	.90	7.50
Fireking, scarlet	.75	6.00
Gigantea, yellow	1.00	9.00
La France, pink	1.50	12.00
Mrs. Roosevelt, pink	1.20	10.00
Papa Charmet, maroon	1.20	10.00
Perle de la Tete d'Or, white	1.00	9.00
Souvenir de Gustave Doazon, scarlet	1.00	9.00
W. W. Rawson, delicate lavender	5.00	
Yellow Colosse, yellow	5.00	

Not less than 10 of a kind will be sold at the above prices. Single specimens at retail prices less 25 per cent.

FLOWER SEEDS

SALVIA SPLENDENS

	½ oz.	Oz.
Grandiflora	$0.25	$1.50
The best tall Salvia in the market.		
Compacta	.40	2.50
Bonfire	.40	2.50
Hardly any foliage, but masses of flowers.		
Lord Fauntleroy, very dwarf	.75	4.00
Maroon Prince, deep maroon	.75	6.00
Fire Ball, most intensely colored	.75	5.00
Silver Spot, leaves spotted, very attractive	.25	1.50

Zurich. The best salvia yet introduced. Plants grow very compact, show little foliage and bear heavy flower spikes, which are thickly laden with bright scarlet flowers. Flowers early in July and remains in bloom with later varieties. ½ oz. 75c., oz. $5.00.

Patens. (Blue Salvia). 1-16 oz. $1.00.

Salvia Splendens. King of Carpets. The best dwarf bedding Salvia on the market today, outrivaling even "Zurich." The plants branch from the bottom and to such extent that the main stem is never visible. All side branches droop completely to the ground, making the whole plant a perfect half ball of fire. The plant grows but 15 inches high and flowers even earlier than "Zurich." ½ oz. $1.00, oz. $6.00.

The veteran Salvia grower, Mr. F. Bedman, says: "About the Salvia, 'King of Carpets.' It has done very well considering the dry weather that we have had, and I consider it one of the grandest dwarf salvias that I ever saw."

AGERATUM

Extensively raised as a pot plant and used for edging.

		Oz.
Lasseauxi	¼ oz. 20c.	$0.60
Mexicanum		.15
Album. Large flowering white		.25
Blue Perfection		.30
Dwarf Imperial White		.25
Dwarf Imperial Blue		.25
Dwarf Swanley Blue		.30
Dwarf Little Dorritt		.25
Dwarf Little Blue Star, 1-16 oz. 75c.		

ANTIRRHINUM

A most valuable plant for the cut flower market, easily grown and very profitable; we have been careful to select but such colors as are ready sellers.

RAWSON'S TALL GIANT. This strain grows three to four feet high and is covered about two-thirds with gigantic flowers of grace and beauty. ¼ oz.

		Oz.
Finest Mixed		$0.40
White	$0.25	.75
Scarlet	.20	.60
Yellow	.20	.60
Dark Rose	.20	.60
Delicate Pink	.20	.60
Coral Red	.25	.75

ASTERS

Rawson's New Midsummer Aster

The colors are true and hardly any open-centered flowers among them.

	¼ oz.	Oz.
Pure White	$0.60	$2.00
Delicate Shell Pink	.60	2.00
Royal Purple	.60	2.00
True Lavender	.60	2.00
Bright Rose	.60	2.00
Finest Mixed	.60	1.60

Aster, Rawson's Late Branching. Flowers are very large in size and borne on long, stiff stems. It is one of the best and most popular varieties for late flower markets.

	¼ oz.	Oz.
Finest Mixed	$0.25	$0.75
Crimson	.30	1.00
Dark Blue	.30	1.00
Light Blue	.30	1.00
Rose Pink	.30	1.00
Shell Pink	.30	1.00
Scarlet	.30	1.00
White	.30	1.00

Dawn of Day. (Novelty, 1908). The earliest flowering Aster in existence. Fine white, perfect in form and growth, long branching stems and flowers; often three weeks ahead of Queen of the Market. It is of branching habit and very full and if freely cut will continue to bear blooms until late in Fall. ½ oz. 50c., oz. $3.00.

Rawson's Daybreak. This variety must not be compared with the strain offered elsewhere and a trial will convince the ever-so-critical of its superiority. ½ oz. 40c., oz. $2.50.

Rawson's Purity. (Pure white.) Of the same type as Daybreak, differing only in color, which is a pure glistening white. Just as free-flowering and symmetrical as Daybreak and undoubtedly unsurpassed as a white bedding variety. ½ oz. 50c., oz. $3.00

Rawson's Queen of the Market Aster. The best early Aster for the Florist, quality being very much improved.

Finest Mixed. ¼ oz. 15c., oz. 50c.

Crimson, Dark Blue, Light Blue, Rose, Peach Blossom, White. ¼ oz. 20c., oz. 60c.

W. W. RAWSON & CO., Boston, Mass.

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

We Are Headquarters, Greenhouse Grown Seed, Extra Quality

100 Seeds	$0.50
500 "	2.00
1000 "	3.50
5000 "	16.00
10,000 "	30.00
25,000 "	70.00

Begonias and Gloxinias

Our Stock of these Bulbs is of the Finest Strain Procurable

SINGLE BEGONIAS	Per doz.	Per 100	Per 1000
Orange	$0.40	$2.75	$22.50
Scarlet	.40	2.75	22.50
Pink	.40	2.75	22.50
White	.40	2.75	22.50
Yellow	.40	2.75	22.50
Mixed	.35	2.50	21.00

DOUBLE BEGONIAS	Per doz.	Per 100	Per 100
Crimson	$0.65	$4.75	$37.50
Scarlet	.65	4.75	37.50
Pink	.65	4.75	37.50
White	.65	4.75	37.50
Yellow	.65	4.75	37.50
Mixed	.50	3.75	33.00

GLOXINIAS

	Per doz.	Per 100	Per 1000
Red and Scarlet	$0.60	$3.75	$32.00
Blue	.60	3.75	32.00
Bordered Scarlet	.60	3.75	32.00
Bordered Blue	$0.60	$3.75	$32.00
Spotted	.60	3.75	32.00
White	.60	3.75	32.00
Choicest Mixed	.50	3.50	31.50

Write for our Wholesale Catalog.

Henry F. Michell Co., 10th and Market Sts., Philadelphia, Pa.

Please mention the Exchange when writing.

Forcing Gladiolus

Many florists plant these in boxes, or among their carnations, in the Winter. They are excellent for decorative purposes and realize good prices, either wholesale or retail. Gladiolus are a good catch crop and take up but little room. The following are the best for this purpose.

Gladiolus Gandavensis Hybrids

America. The flowers, which are of immense size, are of the most beautiful flesh-pink color. $3.25 per 100; $30.00 per 1000.

Shakespeare. White and rose. $4.75 per 100; $45.00 per 1000.

May. Pure white, flaked rosy crimson; the best forcer. Selected bulbs, $1.75 per 100; $15.00 per 1000.

Brenchleyensis (true). Fiery scarlet. Selected bulbs, $1.50 per 100; $13.00 per 1000. First size bulbs, $1.25 per 100; $10.00 per 1000.

Boddington's White and Light. Extra selected bulbs. 1¾ in. and up. $1.50 per 100; $14.00 per 1000.

American Hybrids. A mixture of the choicest varieties of Gladiolus in cultivation. $1.00 per 100; $9.00 per 1000.

Remember, you may deduct 5 per cent. if cash accompanies order.

ARTHUR T. BODDINGTON, Seedsman
342 West 14th Street NEW YORK CITY

Please mention the Exchange when writing.

Direct Importations

AT FOREIGN GROWERS' PRICES

From BELGIUM **From HOLLAND** Palms, Arancarias, Bay Trees, Azalea Indica, etc. Boxwood, Rhododendrons, pot grown Shrubs for forcing, etc., etc.

From GERMANY Valley Pips. Early or late forcing.

From ENGLAND English Manetti selected for grafting.

From JAPAN Lilium Longiflorum. Giganteum, Multiflorum, etc.

Full list of Japanese, Holland, English and French Nursery Stock

Write for catalogues, special lists, etc., mentioning the class of stock you are interested in.

RAFFIA 5 grades. Bale lots only.

Our business is import and wholesale only. Don't write unless you use sufficient to make direct separate importations

McHUTCHISON & CO.

17 MURRAY STREET Please mention the Exchange when writing. **NEW YORK**

To Seedsmen & Nurserymen Only

Our New Illustrated Trade Seed Catalogue

Is Now Published

If you have not received a copy, please write us and one will be sent you.

WATKINS & SIMPSON, Ltd.

Wholesale Seed Merchants

12 Tavistock St., Covent Garden, LONDON, W., ENGLAND

Please mention the Exchange when writing.

K. van Bourgondiën & Sons
HILLEGOM—HOLLAND

Extra Dutch Bulbs Extra

We beg to inform the Trade, that our Messrs. K. H. and C. J. van Bourgondiën have again arrived for their annual trips through the United States and Canada.

It will be of the greatest advantage to every firm needing **A1 Bulbs** to correspond with us and give us a trial. Our many years of successful business in the United States, which every year has increased, clearly proves enough. Address until May 1, 1910

K. H. van Bourgondiën, Care MALTUS & WARE, 14 Stone St, NEW YORK

Please mention the Exchange when writing.

THE AMERICAN CARNATION

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PTG. & PUB. CO. Ltd., 2 to 8 Duane Street, New York

The management of the Aphine Manufacturing Company anticipate a large attendance at the public test of their new insecticide, Aphine, which will be held at the Boston Flower Market, Boston, Mass., on Saturday, January 22. No pains, labor, or expense is being spared to convince users of insecticides of the real value of Aphine.

Wm. Elliott & Sons have just finished mailing their retail catalog for 1910. This is the 65th Spring edition of this retail list, and the new one is certainly a work of art. Spring trade is starting to pick up and preparations are being made for a good reason.

Philadelphia Seed Trade

Activity in the mail order departments is becoming more noticeable as the days go by, especially as regards orders from the northern growers, who are beginning to wake up to the fact that competition from the South must be met. Consequently, orders from market gardeners in the North are much earlier this year, and vegetable seeds for forcing are in good demand. Local business has been far from the standard, as measured by the amount of business done in former years at this date, and this fact is laid to the weather, this locality having experienced serious drawbacks by having to combat with zero weather and heavy snowstorms, which will not soon be forgotten. The poultry show, given in this city during the past week has been fully taken advantage of by nearly all the local seed houses, and exhibits of poultry foods and supplies of all kinds were prominent.

The Johnson Seed Co. is preparing for a heavy Spring rush, and it has a few lots of surplus bulbs, which are being offered to the trade at most reasonable prices to effect a clearance. The sympathy of the trade will be freely extended to Wm. J. Sherry of this house in the recent accident sustained by his mother, who fell on the icy sidewalk last week, breaking her hip, and who, on account of her advanced age, feels chagrined to know that she must lie in bed, the more so, as the aged lady is ordinarily very active.

Colds and grippe have recently played havoc with the working force of the Moore Seed Co., several of the staff being kept home recently for a few days to recuperate. This firm is handling a pruning saw which should prove a handy tool to gardeners and florists; it is made of vanadium steel, a substance which is very durable, allowing the user to even saw through large nails with impunity.

The Stokes Seed Store is replete with a full line of all that pertains to poultry, a line of goods which all seedsmen have found profitable to handle. Tomato, Lettuce and Radish seeds for forcing purposes are also handled extensively, the firm's well known quality of seeds in this line proving a great incentive to buyers.

Henry A. Dreer, Inc., of Chestnut st. is making a fine display in the store window of many appliances for spraying purposes, and is pushing a preparation known as Scalecide, a useful remedy for San Jose scale, and found to be very effective. The house has on sale a very neat calendar, which contains a daily guide in all matters pertaining to gardens, and is a very handy acquisition for all who have need of such things.

The Henry F. Michell Co. is offering special Asparagus plumosus nanus seed, as well as Begonia and Gloxinia bulbs, these bulbs of recent importation and fine in grade. This company has recently completed on its new trial grounds at Torresdale, Pa., a well equipped greenhouse, of Lord & Burnham type, for use as a seed-testing house. The grounds, which in Spring will be planted with many of the company's specialties, are situated on the side of the Penn. R. R. tracks, on which thousands of people ride daily, and as a means of advertisement the location should prove of vast importance. At the store, 1018 Market st., a large display of pruning necessities, and spraying apparatus is to be seen; these store window shows do much toward educating the public along these lines.

Boston Seed Trade

There has been a consolidation effected between the Haskell Implement and Seed Co. and the Ames Plow Co. The new corporation will be known as the Ames Implement and Seed Co. and will continue the business over the Quincy Market, closing up the store of the Haskell Co. on South Market st. The manager of the new concern will be W. H. Peckham, who has been with the Haskell Co. for several years.

W. W. Rawson & Co. has issued a very interesting plant talk pamphlet on the general cultivation of Sweet Peas.

H. W. Rawson has been confined to his home with sickness for several days.

Archibald Smith, formerly manager of the seed department of Jos. Breck & Sons, and who has been in England for

Delphinium Belladonna
Everblooming Hardy Larkspur

DREER'S RELIABLE FLOWER SEEDS

We offer below a short list of Flower Seeds which should be sown early. New crops of same are now ready; for complete list of Flower Seeds, all of the very finest quality, see our current Wholesale Catalogue. If you have not received a copy, we will send one on application.

	Trade pkt.	Oz.
AGERATUM, Blue Perfection. Dark blue	$0.15	$0.50
AGERATUM, Cope's Pet. Light blue	.15	.35
ALYSSUM, Little Gem or Carpet of Snow. Very dwarf	.15	.40
ANTIRRHINUM, Giant White	.20	.50
Giant Scarlet	.20	.50
Giant Pink	.20	.50
Giant Garnet	.20	.50
Giant Yellow	.20	.50
Giant Striped	.20	.50
BEGONIA semperflorens Vernon	.25	
CANDYTUFT Empress. Best white	.10	.20
CENTAUREA gymnocarpa	.15	.35
candidissima	.25	.75
cyanus. New double blue	.25	.75
CINERARIA maritima candidissima	.10	.20
COBÆA scandens. Blue	.15	.40
White	.20	.75
DELPHINIUM Belladonna. New	.17	
DRACÆNA Australis	.15	.60
indivisa	.10	.30
PENNISETUM Rueppelianum	.10	.25
HELIOTROPE, Lemoine's Giant	.40	2.00
IPOMŒA grandiflora (White Moonflower)	.15	.40
LOBELIA Crystal Palace compacta (true)	.25	1.00
Emperor William	.25	1.00
speciosa	.15	.50
gracilis	.15	.40
PETUNIA, Dreer's Superb Single Fringed	.50	
Dreer's Superb Double Fringed, $1.50 per 1000 seeds.		

	Trade pkt.	Oz.
PYRETHRUM aureum (Golden Feather)	$0.10	$0.25
SALVIA splendens (Scarlet Sage)	.25	1.00
Bonfire	.40	2.25
Ball of Fire	.50	3.00
Burning Bush	.40	2.00
Zurich	.50	
SMILAX	.10	.30
SOLANUM capsicastrum	.10	.25
STEVIA serrata	.20	.75
STOCKS, Large-Flowering 10-Weeks.		
Blood Red	.40	2.50
Canary	.40	2.50
Rose	.40	2.50
Light Blue	.40	2.50
Purple	.40	2.50
Pure White	.40	2.50
STOCKS, Cut-and-Come-Again.		
White	.50	3.00
Rose	.50	3.00
Blood Red	.50	3.00
Dark Blue	.50	3.00
Yellow	.50	3.00
Lilac	.50	3.00
THUNBERGIA, Mixed Colors	.15	.40
TORENIA Fournieri	.30	1.50
VERBENA. Mammoth Pink	.30	1.25
Mammoth Blue	.30	1.25
Mammoth Purple	.30	1.25
Mammoth Scarlet	.30	1.25
Mammoth Striped	.30	1.25
Mammoth White	.30	1.25
Mammoth Finest Mixed	.25	1.00

WE HAVE EVERYTHING IN FLOWER SEEDS WORTH GROWING.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

several years past, is returning to this country and will be with the Leonard Seed Co., Chicago.

Maurice Fuld has resigned from the secretaryship of the Dahlia Society, and is now devoting his time to the formation of a Gladiolus society.

The H. E. Fiske Seed Co. are handling a lot of Primulas, grown from their own strain of seed, which are excellent. They also have an extra strain of stock which has been very popular with market growers. Their poultry supply business has greatly increased lately.

Joseph Breck & Sons are busy packaging seeds and look forward to a very busy season.

J. K. L. M. Farquhar spent Sunday with friends in Connecticut.

W. J. Fosgate, seed grower of Santa Clara, Cal., was a visitor this week.

Thos. J. Grey has returned from a very successful business trip in the eastern part of the State. J. W. D.

Baltimore Seed Trade Notes

The local seed houses have all issued their Spring catalogs and business is on the move.

Griffith & Turner Co. have mailed over 50,000 of their catalogs to their customers; it is one of the most complete catalogs issued for the trade.

Seed Trade in General

MADISON, GA.—The Madison Fertilizer Co. has completed its new factory plant near the Georgia depot in this city. It is a large, two-story brick building, equipped with the latest and most improved machinery for making fertilizers.

PLANO, ILL.The Guaranteed Seed Corn Producers, has been incorporated to raise and deal in seed corn and other grains and to publish books and pamphlets relating thereto. Capital $15,000. Incorporators: J. R. Steward, G. S. Steward, M. J. Isaacs.

CENTERVILLE, MD.—At the 23d annual exhibition of the Peninsular Hort. Society of Maryland, held here recently, Professor Vincent made a motion to have a bill placed before the present legislature to allow nothing but pure seeds to be sold, and a committee for the purpose of drafting such a bill was named.

ORANGE, CONN.—S. D. Woodruff & Sons are large wholesale and retail dealers in vegetable and flower seeds here, besides handling some nursery stock. In common with others they find a somewhat restricted seed supply this year, but otherwise they report trade equal to previous seasons. P. M. R.

MILFORD, CONN.—Albertus N. Clark, seedsman, is located about three miles from Milford, on the Derby road, and does a wholesale business in Sweet Corn and vegetable seeds. Mr. Clark has been in the seed trade for 43 years. He reports that the trade outlook as more promising than for several years previous. P. M. R.

SPRINGFIELD, O.—All the mail order houses here are busy mailing their catalogs, about a million of the books being now ready for distribution; the "Blue Rose" is the prominent feature on several of the lithographed covers. The general feeling is that an increased trade will be enjoyed the coming season, and large preparation is being made for it. M.

MCMINNVILLE, ORE.—According to a Portland paper, G. S. Crego, formerly of Chicago, who took up residence in this State, in order to promote the production of seed of Crego Asters, has met with much success, a crop, grown upon one acre of ground, under contract for him in this township, upon being threshed a week or two since yielding a gross value of $2000.

MILFORD, CONN.—The Everett B. Clark Seed Co. was started in 1857 by Everett B. Clark, who still remains the present head of the concern. He reports business never so pushing as at present time and equal to previous years if not better. The outlook for 1910 is promising, but some difficulty is being experienced in securing sufficient acreage for growing the seed crop. This concern has just finished building a large seed house at their trial grounds in Green Bay, Wis. They have other trial grounds at East Jordan, Mich., and at Sister Bay, Wis. At each trial grounds their practice is to grow one row of every variety of the seeds they sell, and a number which they are trying out with a view to handling later. P. M. R.

C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

LILIUM TENUIFOLIUM
LILIUM WALLACEI
Single and Double TIGERS
Named Varieties of Elegans
GERMAN IRIS
DELPHINIUM FORMOSUM
E. S. MILLER
WADING RIVER, LONG ISLAND, N.Y.
Please mention the Exchange when writing.

Thorburn's Bulbs
LILY OF THE VALLEY
Pips just arrived.
Our usual high grade quality. Also cold storage pips. Prices on Application.
J. M. THORBURN & CO., 33 Barclay St. New York
Please mention the Exchange when writing.

A Cause of Postal Deficit

And Postage on Seedsmen's Catalogues —Is OneCent for Each 2 Oz. or Fractions Thereof

INDIANAPOLIS, Jan. 10.—Although this county, Marion, is the only one in the Seventh Congress district, sixty-one big mail sacks full of seeds were received from Washington today at the local post office.

They were sent by Congressman Charles A. Korbly, and constituted his allottment of seeds for 1910.

The mail sacks were addressed to Mr. Korbly's secretary, who will address the thousands of packages to Marion county people. Then they will again enter the Indianapolis post office for delivery to the persons to whom they are addressed.

"When people complain about the cost of handling the mails," said Assistant Postmaster Shideler, "they should remember that the shipment of seeds by mail in this manner costs a lot of money.

"In any other business such a shipment as this would be made by freight, but a Congressman always uses his post office frank and they come by fast trains, which are paid big prices by the Government for running fast and transporting the mails in a hurry."—N. Y. Sun., Jan. 11, 1910.

Referring to Congressman Korbly's shipment, the New York Globe of Jan. 12, says, very pointedly:

The free transportation of free seeds may be thought to be one of the natural rights and original prerogatives of the free born American citizen. Nevertheless, when seeds are sent by the carload through the mails—the same seeds to be transported a second time by the same kind government—we say, we have the boldness to say, that the spectacle should make an impression.

There used to be much chaffing at the congressional habit of sending laundry, household furniture, utensils, and the like under this franking privilege. But what is this compared with the transportation—with an encore—of a carload of seeds, all sent by one congressman to the citizens of one county. Consider the possibilities of the situation—all the rest of the congressmen and all the rest of the congressional districts. We wonder that enough seed is grown to supply the mails.

BABY RAMBLER ROSES

BABY DOROTHY. The best yet. Color deep pink, fine form, a profuse bloomer. Strong field-grown plants, $25.00 per 100; 4-in. pots, in bloom, $15.00 per 100.
BABY CRIMSON (Mad. Norbert Levavasseur) Strong field-grown, $15.00 per 100; 4-in. pots, in bloom. $12.00 per 100.

The New England Nurseries, Inc.
BEDFORD, MASS.

Please mention the Exchange when writing.

California Privet SPECIAL

For two weeks we will make special price on car-lots of 18 to 24 in., 2-yr., well branched and extra fine rooted stock. Small quantities at low prices.
Asparagus, Palmetto and Giant Argenteuil, 3-yr., extra strong, **$5.00** per 1000.

Jos. H. Black, Son & Co.
Hightstown, N. J.

Please mention the Exchange when writing.

Hardy American Grown Roses
General List of Nursery Stock.—Write for our Trade List.
W. & T. SMITH COMPANY
63 YEARS GENEVA, N. Y. 800 ACRES

Please mention the Exchange when writing.

Evergreens Shade Trees Shrubs Privet
100 Acres of Nursery. Ask for quotations upon your own list of wants.
HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Please mention the Exchange when writing.

Koolbergen & Sliedrecht
Eagle Nurseries
BOSKOOP, HOLLAND

Our Mr. Harry van Koolbergen will call on the Trade from January until May.
It will be of the greatest advantage to every firm needing A No. 1 Nursery stock, to correspond with us and give us a trial order.
Our specialties are Rhododendrons, Lilacs pot-grown, Koster Blue Spruces all sizes, Boxwood, Conifers, Peonies, and H. P. Roses.
Ask for our new catalogue.
All correspondence should be directed to
HARRY VAN KOOLBERGEN
Care of Messrs. MALTUS & WARE, 14 Stone Street, NEW YORK CITY

Please mention the Exchange when writing.

Araucaria Excelsa
5-inch pots—4 to 5 tiers—15 to 18 inches high
60 cts. each, $6.00 per dozen
THE CONARD & JONES CO.
West Grove, Pa.

Please mention the Exchange when writing.

LARGE TREES
OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES
WILLIAM WARNER HARPER, Proprietor
Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

ALMA NURSERIES, Oudenbosch, Holland
NURSERIES AT OUDENBOSCH AND BOSKOOP
Proprietors { U. J. Heerme Van Voss. H. A. M. Swellengrebel. | Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.
Large stock of **Ornamental Trees** and **Shrubs, Conifers, Evergreens,** etc. First-class stock only. Prices reasonable. Sole American Agent:
J. MEERKAMP VAN EMBDEN, JR. Mount Vernon, N. Y.
Ask for our General Catalogue and special offer.

Please mention the Exchange when writing.

Viburnum Plicatum, in sizes from 3 to 6 ft.
Japanese Judas, very heavy, 3 to 4 ft.
Spiraea Anthony Waterer, very heavy, 1½ to 3 ft.
Regel's Privet (Ligustrum Regelianum), 2 to 4 ft.
These are but a few of our leaders; we have an enormous assortment of other varieties. Also deciduous trees, especially **Willows, Lombardy Poplars, American Lindens,** and **Dogwood.**
Let us have your "want list," and ask for our catalogue.
The Wm. H. Moon Co., Morrisville, Pa.

Please mention the Exchange when writing.

VAN DER WEIJDEN & CO. Wholesale Nurseries Boskoop, Holland
(Proprietor, D. G. WIEGAND BRUSS) offer:
BLUE SPRUCE (Koster's), all sizes; BOXWOOD pyramids, 4½-6 feet; RHODODENDRONS, CLEMATIS, AZALEA MOLLIS; ROSES (at a bargain), all best varieties. TAXUS HIBERNICA, 2-6 feet. Specimens, etc., etc.
Ask special quotations on all your wants. Catalogues free on demand.
WE DEAL WITH THE WHOLESALE TRADE ONLY

Please mention the Exchange when writing.

For more than fifteen years, I have made a specialty of growing Privet. My stock is of the very finest quality—in fact, the best I have ever offered. This Privet will please you in every respect. I have a very large quantity, and can take care of all orders. Let me quote you prices before you order.
C. A. BENNETT, Box 62, Robbinsville, N. J.

Please mention the Exchange when writing.

P. OUWERKERK
216 Jane Street
WEEHAWKEN HEIGHTS, N. J.
P. O. No. 1, Hoboken, N. J.
Just Received From Our Holland Nurseries
Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.
PRICES MODERATE

Please mention the Exchange when writing.

August Haerens
Somergem, Belgium
Special grower of High-Grade and new AZALEAS, KENTIAS, ARAUCARIAS, BAYS, etc.
August Rolker & Sons, 31 Barclay St., New York American Agts

Please mention the Exchange when writing.

EBBINGE & VAN GROOS
Formerly THE HORTICULTURAL CO,
BOSKOOP, HOLLAND
Hardy Nursery Stock such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.
Ask for catalogue.

Please mention the Exchange when writing.

CALIFORNIA PRIVET
600,000 3-yr. plants, with 12 to 20 branches; have been transplanted once and cut back 2 yrs.; $4.00 per 100, $37.50 per 1000, packed. Will make a good close hedge at once. 500,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr.; $3.00 per 100, $27.50 per 1000, packed. 1-yr. plants 12 to 18 in., well branched, $2.00 per 100, $17.50 per 1000, packed. 500 at 1000 rates. Cash with order.
JOHN BENNETT, Atlantic Highlands, N. J.

Please mention the Exchange when writing.

50,000 CALIFORNIA PRIVET, fine 1-year-old stock, 18 to 24 in., $2.00 per 100, $15.00 per 1000; 24 to 30 in., $2.50 per 100, $20.00 per 1000. Special prices in 5000 lots to dealers, all No. 1 stock. 5,000 extra strong AMPELOPSIS Veitchii. Field grown vines, live tops and roots, now in cellar, $4.00 per 100, 500 at $3.50 per 100. P. S. 25,000 Canna Roots.
BENJ. CONNELL, Florist, **Merchantville, N. J.**

Please mention the Exchange when writing.

KOSTER & CO.
HOLLANDIA NURSERIES
Boskoop, Holland.
Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.
Catalogue free on demand.

Please mention the Exchange when writing.

LILACS Charles X and Marie Legray.
DEUTZIA LEMOINEI, pot-grown, in fine condition.
BOXWOOD and BAY TREES, for immediate or Spring delivery.
Orders booked now at inviting prices. Write to
F. W. O. SCHMITZ
Importer, PRINCE BAY, N. Y.

Please mention the Exchange when writing.

STOCK FOR FLORISTS
ROSES for forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff
CLEMATIS, AMPELOPSIS, TREE HYDRANGEAS and LILACS, SHRUBS, VINES and PERENNIALS. Write for prices.
Jackson & Perkins Co., Newark, (Near Rochester) **New York**
Nurserymen and Florists—Wholesale only. Use printed stationery.

Please mention the Exchange when writing.

NORTHERN GROWN NURSERY STOCK
We Grow a General Assortment of
Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.
Prices Reasonable. Wholesale Trade List for the Asking
THE BAY STATE NURSERIES, North Abington, Mass.

Please mention the Exchange when writing.

"FLOWER OF FAIRFIELD"
THE "EVERBLOOMING CRIMSON RAMBLER"
The best Climbing Rose in the market, flowering during the whole Summer in large clusters of finest crimson color.
Price for first rate plants with 3 to 6 shoots, open ground grown, $12.60 per 100, $120.00 per 1000.
Extra strong plants, from 6 and more branches at $18.00 per 100.
Package free, cash with order only.
SCHULTHEIS BROS., The "Old" Rose Gardens, at Steinfurth, near Bad-Nauheim, GERMANY

THE AMERICAN CARNATION By Peter Bisset
Price $3.00. Send for Sample Pages
A. T. De La Mare Ptg. and Pub. Co., Ltd., 2 to 8 Duane Street, NEW YORK

AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-president; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer.

NEW HAVEN, CONN.—Ernest F. Coe, president of The Elm City Nursery Co., sailed this Saturday, Jan. 22, on the White Star Line Steamer Baltic; he will visit the important European nursery centers.

YORK, NEB.—C. S. Harrison, of the C. S. Harrison Select Nursery writes us: "Our firm, on account of our growing business, reaching from Winnipeg to Mobile, have been compelled to buy more land and double our plant. Peony sales, especially in the retail department, were very heavy last Fall."

MUSKOGEE, OKLA.—The Durant Nursery Co. of Durant, Okla., is planning to establish a branch establishment in this town.

DALLAS, TEX.—The Midwinter meeting of the Texas Nurserymen's Association was held at the Southland Hotel on Friday, Jan. 14. A very interesting program was provided.

PORT ARTHUR, TEX.—A large nursery, in which millionaire John W. Gates is interested, is being established here. The nursery is planned to be one of the most complete in the South, and work has already begun getting ready for the new buildings and greenhouses. The enterprise is capitalized at $40,000.

Shrubs for Easter

The forcing of shrubs for Easter use is now common everywhere, but in many places seems confined to too few varieties. Men of wealth are numerous in these days, and they are pleased to get for their homes for Easter plants in bloom, and if the plant be something uncommon there is no hesitation in paying a good price for it. The number of shrubs now used is far too small alongside of those that could be used. The flowering Almond, flowering Plum, Magnolia stellata, Spiræa Van Houttei, Azaleas, Deutzias, Hydrangea Hortensia and Japan Snowball about covers the list of hardy shrubs one may look for, which leads one to ask why not add to it these: Weigelas, Laburnum, Wistaria, Caragana, Cratægus, Exochorda, hardy Hydrangea, Tartarian Honeysuckle, Mock Orange, Golden Currant and such Spiræas as Billardi.

All of these are beautiful when in flower, and all flower in early Spring, or shortly afterwards. When Easter is late some of the very earliest of flowering shrubs are in bloom outdoors, such as the Golden Bell, for instance, but even then small plants in pots are valued for use indoors. The various Hawthorns (Cratægus) do not flower well when young, unless they have been properly treated for the purpose. This consists in growing them in pots for a year or two in advance, or else in root pruning them a season or two ahead, the checking by either process causing them to flower. The Golden Currant is the Ribes aureum, a much neglected shrub. Its yellow flowered racemes are much admired. It is old in collections, and it is a wonder it has never been taken hold of by florists for forcing.

The hardy Hydrangeas mentioned are the new ones, alba grandiflora and cinerea sterilis, the latter is the Teas' Snowball Hydrangea. These force well, though requiring more time than some other shrubs, but no more than the H. Hortensia does, and this is a well-known Easter plant.

Among Lilacs for forcing one rarely or never sees those of the Hungarian type. One called villosa, a cream white one, is an excellent pot plant, but it takes a week or two longer forcing than the common Lilacs. A forcing starting say six weeks in advance of Easter is usually sufficient for the greater number of the shrubs named, but the potting of them should be done as far in advance as possible.

Hardy Rhododendrons

Getting ready for Spring, which a month or two will bring us, the Rhododendron lists will be examined, looking to the securing of hardy varieties of this lovely evergreen. A list of hardy sorts given by F. L. Harris, and published in a contemporary journal some years ago is today as reliable as it was then. This is it: Album elegans, Atrosanguineum, Chas. Bagley, Edward S. Rand, Francis Dixon, Kettledrum, King of Purples, Album grandiflorum, C. S. Sargent, Chas. Dickens, Everestianum, Guido, Lady Armstrong, Welleslianum, Alexander Dancer, Caractacus, Delicatissimum, F. D. Godman, H. W. Sargent, Lady Grey Egerton, Mrs. John Clutton, Mrs. R. S. Holford, Ralph Sanders, Old Fort, Rosabel, Purpureum grandiflorum, Roseum elegans and Sir William Armstrong.

Experience proves true that situation as to shade from sun and wind has a great deal to do with hardiness. A native Rhododendron, for instance say the maximum or Catawbiense, set out in a bleak place fully exposed to the sun, would likely be in a moribund condition by the time Winter was through with it. The same bush set in a sheltered place where little sun or wind reached it would be in first-class condition when Spring came. All Rhododendrons desire shade in Winter, no sunshine on them at all, then if there is a good layer of leaves over the roots as a protection from hard freezings many sorts deemed tender would prove hardy even in severe Winters.

Larix Europaea. The European Larch

The Calycanthus Family

If we add to the Calycanthus family a former member of it, which is now classed in another genus, Chimonanthus, we have four of these popular shrubs, all renowned for their fragrance. These are C. præcox, C. floridus, C. lævigatus and C. occidentalis. The one of greatest fragrance is the C. præcox, or Chimonanthus fragrans, as it is called today. The flowers appear on the naked branches, in early Spring, small, yellow blossoms, but very sweet. Unfortunately it has the character, peculiar to several other Chinese shrubs, of desiring to expand its flowers with the first sunny days of Spring, or in late Winter rather. A week of mild weather in February will cause them to expand, so that the freezing later, which is sure to come, destroys them. It is, therefore, a good way to pot a plant or two of it in Autumn, place them in a cool place until within a week or two of desiring their flowers, then introducing them to heat. The fragrance is so sweet and powerful that the odor of a single flower is sufficient to permeate a whole room.

C. floridus is the old Sweet Shrub, known and valued wherever grown, because of its fragrance. This is a southern species, but quite hardy in the Middle States, and is the one found around many old residences in the older cities. It is not abundant anywhere, for the reason that it rarely seeds, hence its propagation depends on division of old plants and cuttings made of its roots.

A spurious species, or perhaps but a variety, is one called lævigatus. It is an abundant bloomer, but though of the brown color of the other there is little fragrance to the flowers; or if there is it is not an agreeable one. It is a shame that this one is largely sold as the good old floridus, being not nearly as good.

A fourth one is from the Pacific Coast; it is C. occidentalis. It is hardy at Philadelphia. In character it is more robust than the others, the shoots stronger, the leaves and the flowers larger. The color of the flowers is of a brick red rather than the brownish red of the others, and they come in Midsummer, not in Spring as the rest do, too late for seeds to form.

Larix Europæa

But few trees are better known to everyone, whether horticulturists or not, than the European Larch. In its own country it is a prominent one in all forest plantings, perhaps not so much for the value of it for timber purposes as for its uses in so many other ways. But it is wholly as an ornamental tree that it appeals to planters here; and from the earliest days it has been a favorite tree to use, and one which is contained in all grounds of any extent.

The European Larch is one of the very first trees to come into leaf in Spring and, because of this, European planters say it is often affected by a late frost, which destroys its foliage for the time; but this rarely occurs here, for early though its start it is not so early that frosts are apt to catch it. But wise planters see to it that it is either transplanted in the Autumn or very early in Spring, in fact as soon as the frost is out of the ground.

As well known, the Larch is really a coniferous tree, as much so as a Pine, differing only in dropping its needles in Autumn, being a deciduous tree. When freshly clothed with foliage in Spring it is one of the most admired trees on a lawn, and this is for the reason that with its lovely green drooping foliage there is a tree of beautiful outline. Care must be taken when young that the leader is straight and unbroken. There then results a tree of admirable outline, a well-shaped pyramid, with a nice wide base.

Mentioning its transplanting, it is not a tree that will endure neglect at such a time. Being, as said, a coniferous tree it no doubt partakes of the general character of these trees in this respect, as it is within the observation of planters that if coniferous trees are permitted to become dry at the root at transplanting time they cannot be revived by moisture, as other trees can; and from this it will be seen how important it is that the roots of the Larch be kept moist from the time of digging until well secured in its new position.

Much of the beauty of the Larch comes from the drooping tendency of its newly made shoots. Until Autumn they keep up their drooping habit, but eventually they become straight. In this it is not alone. The Hemlock Spruce does the same; so do some other coniferous trees.

The observation already made to look well to having straight leaders to Larch will be understood as being well timed, when viewing the trees in the Winter season. Then it is that, bereft of leaves, the tree is still an object of enjoyment if with a clean straight trunk.

It is strange that with forests of Larch in our northeastern States our Larix Americana is rarely seen in cultivation here. The few to be met with on lawns show it to be a tree of strong growth, stout branches, and less bushy than the European. Both our native one and a Japanese species, L. leptolepis, are in demand in Europe for timber purposes, possessing valuable qualities in that respect, and as a disease has appeared among the native Larch there some substitute is looked for.

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You are cordially invited to attend the Public Test of

APHINE

AT THE BOSTON FLOWER MARKET

One A-Park Street, Boston, Mass.

Saturday afternoon, January twenty-second, Nineteen-ten

between the hours of two and five o'clock

We will be pleased to have you submit at this test any plants, shrubs, or stock that may be infested with insects or disease, so that we may demonstrate to you the wonderful merits of this new insecticide discovery—Aphine.

Yours respectfully,

APHINE MANUFACTURING COMPANY

Madison, N. J., January 15, 1910.

Please mention the Exchange when writing.

Coming Exhibitions

Pittsburg, Pa., January 26-27, 1910.—Exhibition of the American Carnation Society, Secretary, A. F. J. Bauer, Indianapolis, Ind.

Boston, Mass., Feb. 26, 27, 28.—Spring exhibition of the Massachusetts Horticultural Society of Plants, Flowers, Fruits and Vegetables Schedules may be obtained from Wm. P. Rich., Secretary, 300 Mass. ave.

New York, March 16-18, 1910.—Exhibition of The American Rose Society, at the American Museum of Natural History, 77th st. and Central Park West. Secretary, Benjamin Hammond, Fishkill-on-Hudson, N. Y.

Boston, Mass., May 26-30, 1910.—Great Exhibition of Orchids and other plants, by the Massachusetts Horticultural Society. Secretary, William P. Rich.

Morrisville, Pa.

On the evening of Jan. 14 the Wm. H. Moon Co. of Morrisville, Pa., gave a diner for their foremen and office men, about sixteen in all. After a bounteous meal, including oysters, turkey, and dainties of the season, a lecture was given by Henry T. Moon on "Nurseries and Points of Horticultural Interest at Home and Abroad," the talk being illustrated by a superb collection of over 150 lantern slides. Short speeches were made by members of the firm and others, and music was rendered by some of the guests.

One picture, of particular interest, shown, was that of two Pear trees, sold by the great grandfather of the present proprietors, in 1775. These trees are still in good condition and bearing fruit. This was the first sale of trees on record in this family, which has been engaged in horticulture down to the present day. Their establishment, known as the Glenwood Nurseries, now covers nearly 500 acres, and is almost exclusively devoted to the growing of ornamentals.

New Orleans

The holiday trade in this city was generally above the average, especially in plants, of which there was a good supply.

We are experiencing a prolonged cold spell, nothing to be compared with what you have been getting in the North, but it put an end for the season to the Poinsettias, which is the Winter glory of the New Orleans gardens, while the Rubber trees which, in many gardens, have grown to the size of shade trees, have been sadly disfigured.

A. E. Weller, for many years head gardener at Audubon Park, has resigned and will superintend an experimental farm at Little Woods. Henry David, a very competent man, has been appointed in Mr. Weller's place.

James A. Newsham has just received a fine consignment of Cattleya labiata from his collector. His new Cattleya house is completed and stock moved in. He has now in course of construction another house to be devoted mainly to Asparagus for cutting.

CRESCENT CITY.

Florists' Wooden Novelties

It is not very generally known that there is, in the city of New York, a concern which is engaged almost wholly in the manufacture of Art Wood Novelties for the florist trade. This concern is the Forster Mansfield Mfg. Co., whose factory is at 145 West 28th st. Last Easter, and at Christmas their productions in the way of plant tubs, pedestals, plant holders and receptacles were strongly in evidence in the stores of leading New York florists, most of them remarkable for their artistic design and novel finish. Mr. Beauplan, the proprietor of the business, has had a long experience as an art craftsman with wood, and as his business has been very largely with the florists' trade he is able to forecast trade ideas and have suitable novelties ready for all special seasons and occasions. Window boxes, grills and lattice work, are turned out in quantities, in less time and at much less cost than when such are made by an ordinary carpenter, to say nothing of the art finish given them. Mr. Beauplan, understands thoroughly the requirements of retail florists and designs and manufactures fittings and decorations for store interiors and exteriors, florists' store furniture, ice boxes, in fact, anything a florist can use that is made of wood.

The concern figures largely in the decorative field. There is always material on hand for erecting light screens for church or house weddings, and framework for florists is put up in a few hours, no matter to what extent required. Mr. Beauplan had the contract for much of the work on the Court of Honor at the Hudson-Fulton celebration, for which work he was highly complimented. The retail trade, generally, should bear this house in mind when in need of articles or fixtures made of wood, artistically finished.

New Haven, Conn.

New Haven is one of the largest cities of the New England States and located about 75 miles from New York City, on the Shore Line division of the New York, New Haven & Hartford R. R. It has a population of about 135,000. Yale College is located here and the local florists have generally derived considerable trade from the students, but this season the student committee decided to "cut out" flowers for the annual "Prom." week, and the local stores will fall short on flower sales.

Prof. J. W. Toumey is director of the Yale Forest School and the Yale Botanical Gardens, which include a general assortment of plants, shrubs, etc. The glass comprises some 3500 sq. ft. and the houses are managed by John H. Murray, who has just retired from the president's chair of the New Haven County Hort. Society. The students of the Forest school number about 80, about half of which will graduate this coming Spring.

The recently burned Conn. Agri. Experiment Station was formerly in Middletown, Conn., and was established in 1877, being one of the first in the country. Prof. W. E. Britton, the State Entomologist was appointed in 1901, and has done excellent service in the war against the gypsy moth. The collection of insects comprises some 40,000 specimens and includes 4000 species found in this State. Prof. Britton has issued a hanger card, which is sent to every post office and railroad station in the State, for purposes of instruction in ridding the State of the gypsy moth.

S. H. Moore & Co. have their store on Chapel st., opposite to Yale College, which location helps considerably in getting the College trade. Mr. Moore has been in the trade since 1881 and reports the past Christmas business as being the best he ever had. His double bulk windows are excellent for display and he has them very attractively decorated.

J. N. Champion & Co. of 1026 Chapel st., have been here for the past 20 years and have a fine corner window and nice roomy store, nearly opposite Yale campus, and on the main business street. Christmas business was excellent and considerable funeral work is on hand at present.

W. H. Long, 748 Chapel st., is doing a lot of funeral work and reports good trade in potted stock during Christmas week. A large quantity of Japanese basket ware, of grasses, was disposed of during the holidays.

Edw. J. Morse has some 50,000 sq. ft. of glass at 536 Townsend ave., in which he grows a regular assortment necessary to supply his retail store at 37 Church st., opposite the post office. He has been in the growing business for the past nineteen years and for the past two years has had a retail store. The store has a very nice window and is one in which the floral artist can do his best.

Chas. Munro, 974 Chapel st., has his store in an excellent location, opposite the "Green," and recently took over some 30,000 ft. of glass at 657 Townsend ave., where he grows Roses, Carnations, Lilies and bedding stock. Alfred Nyren, formerly with A. N. Pierson, has been secured as foreman. The store trade was unusually fine during the holidays. Mr. Munro issues two catalogs, and these help to a great extent toward better business. A Lord & Burnham boiler has just been installed and gives good satisfaction

Frank S. Platt conducts a general seed store and flower-shop, and does a regular florists' supply business, in which he has the advantage of being the only supply house between New York and Boston. The flower shop is the oldest in this city and several of the local florists were taught their first lessons in design work under Mr. Platt. Mr. A. L. Doolittle, the present manager of the flower store has been here nearly 15 years. A large quantity of Tulips were forced at the greenhouses on Sherman ave., for the Christmas trade, and proved to be good sellers. The seed department has all it can do at present and is picking up for the Spring trade. The greenhouses comprise some 15,000 sq. ft. of glass and are devoted to growing stock for the store and also a quantity of nursery stock. Some 100,000 Tulips were forced for the holiday trade.

L. Wolf has 5000 ft. of glass at 82 Day st., and grows stock necessary to supply his retail store at 180 Meadow st. Funeral work is very brisk and the Christmas trade was excellent. Mr. Wolf is one of the oldest florists in town and for the past 14 years has run the retail store in connection with the growing end of the business, which he established some 50 years ago. He started in this country with Buist of Philadelphia, and was for some time with Peter Henderson before coming here.

E. H. Meade, 109 Woodward ave., is the only exclusive grower of Violets in New Haven, growing, under about 2500 sq. ft. of glass, such varieties as Marie Louise and Farquhar. These houses were built some ten years ago. Most of his stock is sent to out-of-town retailers.

J. H. Slocombe, 555 Townsend ave., has 20,000 ft. of glass devoted to Violets, Sweet Peas and Freesia, only. One big house was erected this past Fall and Mr. Slocombe grows after plans of the Rhinebeck, N. Y., Violet growers, and has considerable success. Asters, Dahlias and Cosmos are grown in Summer.

Fred. G. Horn, 418 Woodward ave. has been here some 14 years and at present does a wholesale and retail business, operating 8000 sq. ft. of glass. Carnations and Violets are the principal stocks, although he grows considerable bedding and bulbous stock. Mr. Horn is located near the water, and during his spare moments is occupied with his launch.

Ernest Carroll, of "Grants Corner," has about 5000 sq. ft. of glass and during the Winter does considerable wholesale business in plants and flowers. Some fine specimens of Palms, Cycas and Ficus are shown here, the Ficus being over 20 ft. in height and about 10 in. in diameter at base of trunk. A Philodendron pertusum, in fruit, is also shown.

Chas. Conte, 735 Grand ave., is erecting 5000 ft. of glass at South End, near the lighthouse, in which he intends to grow Carnations, Ferns and bedding plants. He has been in the trade for 16 years, the past three in his own store. Some good Christmas and funeral work is here reported.

Carnation Dorothy Gordon

Joseph Heacock Company, Disseminators, Wyncote, Pa.

Grow this Carnation for Big Profits in 1910!

After two years of careful watching and tending—giving it every opportunity to show its defects, if it had any—

After putting it on the cut-flower market and seeing it produce a sensation in the retail field, and after hearing it highly praised by every prominent grower who saw it—

After all this, we are ready to PROVE that our new Carnation Dorothy Gordon, of which you have heard so much recently and which is illustrated on the preceding page, is a real, genuine success—and that the grower who has it will make money!

Carnation Dorothy Gordon has a rapidly widening circle of friends; you'll surely begin to grow it for your trade sooner or later. This is your opportunity to get in NOW. Here are some of the noteworthy features of this new Carnation:

Vigorous constitution—freedom from disease.

Very large size and excellent form of flowers; these average over three inches in diameter. See illustration on facing page.

Wonderful profusion of bloom—one-third more flowers than Enchantress.

Excellent color—a trifle darker than Rose Pink Enchantress and more uniform in shade. Delightful fragrance.

Long, stiff stem and a bud with unusual keeping qualities.

Let's take these matters up in detail. Here is a Carnation that bears solid, lasting flowers of good standard color, three to three and a quarter inches in diameter. That's a big thing in itself, but add to it the fact that plants of this variety bear 130 good, commercial buds where the best sorts—Enchantress, for instance—bear only 100, and it looks bigger yet, doesn't it? But even that isn't all: buds of

Carnation Dorothy Gordon

Bring a price fifty per cent higher than buds of Enchantress, according to our actual experience for two years in the markets of Philadelphia. In other words, we have made Dorothy Gordon show up double the profits of Enchantress under the same conditions and with equal care. Here is a little table of figures based upon our own sales, that explains it:

100 Enchantress, worth say . . .	$6 00
50 per cent extra realized for Dorothy Gordon	3 00
	$9 00
One-third more Dorothy Gordon from same number of plants . . .	3 00
	$12 00

We're enthusiastic, to be sure, but in Dorothy Gordon we have something to support it, as the above table will show.

Up to October, 1909, without a particle of advertising, we had sold 60,000 rooted cuttings of this Carnation on its own merits at the prices given below. While we have now greatly enlarged our facilities, it is still evident that our present supply will not be adequate to meet the demand. Dorothy Gordon is in the hands of an experienced propagator at our plant, and we quote strong rooted cuttings at the following popular prices:—

$10 per 100, $75 per 1,000

That we are maintaining these figures is shown by our books, which are open to inspection at any time.

Our plant is likewise open to you—we urge you to come to Wyncote and investigate this worthy new Carnation for yourself. "Seeing is believing," and if we cannot sell Dorothy Gordon on its own merits we do not want to sell it at all.

We are easily reached from Philadelphia—twenty-five minutes from City Hall on the "Reading," with a service of 100 trains a day through the week. We're open every day except Sunday, and will welcome you at any time.

But don't put it off—you owe it to yourself to investigate Dorothy Gordon. If you cannot do it in person, drop us a line for full particulars.

Again—**don't put it off!**

Extract from the minutes of the Florists' Club of Philadelphia, January 5, 1909

Your committee on Novelties visited the establishment of Joseph Heacock Company and examined their new Carnation, "Dorothy Gordon," on December 30. The variety resembles Rose Pink Enchantress in color and form, but it is superior to that variety in being of a more uniform color, and is also larger and of greater substance. It is of stronger constitution and has a stiffer flower stem. Your committee tested the keeping qualities and find them to be good. The flowers were kept in an ordinary potting shed, and were salable four days after being cut.

(Signed) EDWIN LONSDALE, J. W. COLFLESH, ROBERT CRAIG } *Committee*

Attest: DAVID RUST, Secretary

Joseph Heacock Company, Disseminators, Wyncote, Pa.

Please mention the Exchange when writing.

CLUBS and SOCIETIES

Nassau County (N. Y.) Hort. Soc.

The regular monthly meeting of the Society was held in Pembroke Hall, Glen Cove, N. Y., January 12. The newly elected officers were at their posts; President James Duthie occupied the chair. Over forty members were present and four new ones were elected. The president opened the meeting with a well directed address looking to the welfare of the Society; he was well applauded.

The annual dinner of the Society will be held at the Oriental Hotel, Glen Cove, Jan. 25, and we want to tell those who care for a grand feast and a jolly good time to get their tickets at once.

A splendid exhibit of Carnations was made by Geo. Wilson, which well deserved the cultural certificate bestowed, for Enchantress and White Perfection like those he put up are hard to beat. Mr. Wilson promised to teach us at next meeting how to grow beauties like those exhibited.

Instead of the point competition, it was voted to have monthly prize contests, and the February meeting will be Carnation night. Three prizes are offered by the Society for best vases of 12 white, pink and red, respectively, also a cultural certificate for best vase of 12 mixed Carnations.

A first prize of $10, donated by President Duthie, and a second of $5 offered by A. Morrison, are to be awarded at the end of the year to the two competitors winning the largest number of prizes.

With a good reserve of cash in bank, a fine set of officers, James Duthie in the chair, an executive committee who know how to do business, trustees as good as bankers, there is no doubt but that 1910 will be the banner year of the Society.

OSCAR E. ADDOR, Rec. Sec.

New Haven Co. (Conn.) Hort. Soc.

The monthly meeting of this Society was held Jan. 12, 1910, for the purpose of installing the newly elected officers but, owing to press of business, all were not able to be present and the installation was postponed until the next regular meeting, the second Wednesday of February.

The retiring president, Mr. John H. Murray, was presented with a fine oak rolltop desk as a token of appreciation by the Society.

The new officers are John N. Champion, pres.; James Kydd, vice-pres.; David Kydd, treas.; Fred H. Wirtz, sec.; John C. Morton, press sec. The president, vice-president and press secretary are new officers. The meeting was followed by a smoker and the members were entertained until a late hour by a series of songs by a quartette composed of Messrs. Murray, Bell, Morton and Jas. Kydd. Stories and short pointed remarks were made by Messrs. Tweeddale, Morton, Thompson and others. Refreshments of coffee, sandwiches, etc., were served by the committee. New members joining this night were Adam Paterson of Saugatuck, Conn.; J. T. Burns and Wm. E. McGuiness of New Canaan, Conn.; C. Spanagel of New Haven.

The total membership is 150 and new members are added at every meeting. The attendance at each meeting is a fair proportion of the membership and a good program of speakers and papers are planned for the coming year. The treasurer's report shows a good healthy increase over the previous year and a promise of still better for the coming year.

This Society was incorporated in May, 1832, and is one of the oldest in the country. The present board of managers consist of the officers, and Messrs. Robt. Paton, Wm. Beattie, Richard Bell and John H. Murray. P. M. R.

G. and F. Club of Boston

The past twelve months has been the most prosperous in this Club's history. During the year there has been an average attendance at the monthly meetings of 162. The largest attendance was at the January meeting, when there were 323 present, and the smallest at the February meeting when there were 95 present. Forty-six new members were elected and the Club has now a membership in good standing of 354.

The Club made a total of 91 awards for exhibits including one Report of Highest Merit, one Report of Superior Merit, 11 Reports of Merit, 9 Honorable Mentions and 69 Votes of Thanks.

The largest amount received for dues was during January. The secretary handled 7925 pieces of mail matter, including 2000 letters, 775 postals and 5150 circulars.

Is there any club in the country can beat this for a yearly record?

JOHN W. DUNCAN.

St. Louis Florists' Club

The St. Louis Florists' Club held its regular monthly meeting on Thursday afternoon, January 13, at 2 o'clock. This being the first meeting in the new year, the attendance was quite large and several features were presented during the afternoon that made things very interesting for the members.

Baur & Smith of Indiananolis, Ind., exhibited a fine large vase of their new white Carnation Shasta, around which was centered a group of local Carnation growers. There was also on exhibition a thermostatic instrument by the National Clock & Electric Mfg. Co. of St. Louis, in charge of C. M. Davidson, who demonstrated its merit.

President Windler opened the meeting at 2 o'clock with all his staff of officers present. C. DeWever reported on his paper "Advertising through the Florists' Club." This was put into the hands of a committee consisting of Mr. DeWever and John Connon, to report at the next meeting. W. A. Rowe, a grower from Kirkwood, was elected to membership. Henry Wenzel and Chas. D. Hecht, two growers of Auglum, St. Louis Co., made application for membership. President Windler appointed Carl Beyer, W. C. Young and F. J. Fillmore a committee to look into the merits of the new white Carnation Shasta, as exhibited by Baur & Smith, and they made the following report: "We, the committee, think Shasta, the new white Carnation, is an improvement on any existing white variety, more particularly on account of being heavily fringed."

Ex-president Young gave an interesting talk on his recent New Orleans trip. C. M. Davidson, representative of the National Clock and Electric Mfg. Co., gave a demonstration of the working of their thermostatic machine, to the great satisfaction of all growers present. Frank Fillmore was next called upon to read his paper on "The Troubles of a Grower," which created a great deal of amusement for the members. The president asked Mr. W. C. Smith to read a paper at the next meeting on "The Troubles of a Wholesaler," which proposition Mr. Smith kindly accepted. A vote of thanks was extended to those who entertained the members during the afternoon.

February 10 is the date for the next meeting of the Club.

ST. PATRICK.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter.

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Philadelphia: A. H. Secker, 306 Wood Building, No. 34 So. 16th St.

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The address label indicates the date when subscription expires and is our only receipt therefor.

Registered Cable Address: Florex, Newyork.

Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

Index to the Florists' Exchange, Vol. XXVIII

This index, covering the period from first issue in July to last in December, 1909, will be shortly ready for distribution. Subscribers desiring a copy of this index can obtain same by notifying us by post card; copies will be mailed to those who have already previously advised us to that effect.

The Florists' Exchange Design Book

A new edition of the Design Book is now in preparation and, it is expected, will be issued about January 29. It will be found a decided improvement on the earlier editions, has been completely remodelled and now contains 80 pages, covering a multiplicity of designs. It will be freely admitted the most valuable compendium of its character ever offered to the trade, as well as the cheapest. It is sold only in connection with a subscription for this paper; The Florists' Exchange two years and one copy of the Design Book, new or renewal subscription, for $2.50.

Transparent Envelopes for Sealed Packet of Seeds

There has been some excitement, principally emanating from one section of the country, over a ruling made by a local postmaster in which that individual attempted to stop the mailing of sealed packets of seed in any enclosure but that made from transparent paper. We have good authority for the statement that whatever may happen in the future, no such ruling is at all likely to be made aginst any legitimate seed trade house this season.

Western New York Horticultural Society

This old established organization will hold its 55th annual meeting Jan. 26 and 27, at Convention Hall, Rochester, N. Y. It now has a membership of over 1400 and is still steadily progressing. The subjects of the essays and discussions are almost entirely in the line of fruits and vegetables, and considerable attention will be paid to spraying methods and spraying apparatus.

Two instructive exhibits will be, respectively, those made by the Entomological Department of the New York Exp. Station, illustrating various injurious fruit insects, and the Department of Plant Pathology of the New York State College of Agriculture at Cornell University.

In connection with the meeting will be held a competitive fruit and vegetable exhibit, for which moderate prizes are offered.

The Barry Gold Medal is offered for a new fruit, ornamental tree or shrub, flowering plant or vegetable. Full programs can be had from the secretary of the Society, John Hall, Rochester, N. Y.

The Gardeners and Florists' Club of Boston challenges a statement of equal showing for a year's record as to membership, average monthly attendance, etc. See "Clubs and Societies."

New York to Pittsburgh

It has been arranged that the party composed of members of the New York Florists' Club and their friends, with possibly several of the trade from New England, who will attend the convention of the American Carnation Society at Pittsburgh, Jan. 26-27, will leave on a special car attached to the train on the Pennsylvania Railroad leaving Cortlandt st. on Tuesday evening, Jan. 25, at 8.30 o'clock. The rate of fare one way, going, will be $8.78 on a block ticket of ten or more, and $2.50 for a Pullman berth. Arrangements can be made for a return journey at the same rate. This rate is quite a saving on the regular fare. Present advices indicate that the car will be filled. For the accommodation of those who wish to carry their exhibits with them, the heat will be cut off from the rear of the car, if necessary, so that the exhibits will travel under cool conditions. Anyone wishing to join the party should communicate with J. H. Pepper, P. O. Box 1697, or at the office of the EXCHANGE.

The American Carnation Society

Registration

The following registration of new Carnations has been made by Wanoka Greenhouses, Barneveld, N. Y.

RAINBOW.—White seedling×Enchantress. White overlaid with pink. Size 3 1-2 inches. Grand habit. Large, high built flower, making fine display. Fragrant, with long stiff stem and fine calyx. Fine keeper and shipper.

SULTANA.—Gov. Roosevelt×Mrs. Lawson. Light crimson. 3 to 3 1-2 inches. Fine form, free worker, ideal habit, long stiff stem and fine calyx.

S. A. F. and O. H.

Registration of Rambler Rose

Public notice is hereby given that the application of Mr. Southwick Cary Biggs of 1719 Lamont st., Washington, D. C., for the registration of the Rose described below, having been submitted to the American Rose Society on December 13, 1909, and no reply having been received from them within the required time, the registration becomes complete.

RAISER'S DESCRIPTION

Color: delightful shade of deep pink. Flower: 3" in diameter, semi-double, free-flowering, 5 to 7 blossoms on a spray. Habit: vigorous grower and very hardy. Parentage: Hybrid of Madame Gabriel Luizet×Wichuraiana, seedling crossed by Baron de Rothschild.

H. B. DORNER, Secretary.

January 12, 1910.

Spring Exhibition of the American Rose Society

The executive committee of the American Rose Society and the council of the Horticultural Society of New York met at the American Museum of Natural History, New York, where the exhibition is to be held, on Wednesday, Jan. 12, for conference. Working committees were appointed to take the matter up in earnest, to prepare now for the coming exhibition. The facilities that are offered to the Rose Society for the event are superb.

The city editors of the New York papers have been notified, and requested to take notice of the show as one worthy of the fullest public support.

There will be a joint meeting of all the committees held within a few days to perfect the details. A new edition of the premium list will be issued covering all extra prizes that have been received.

We want everyone having anything that is worth showing to take an interest in it and send it along. If you cannot do anything better send us a single bouquet, but do something and give us the best you have got. This invitation is sent to amateurs and commercial men alike.

BENJAMIN HAMMOND, Sec'y.

The National Flower Show

The National Flower Show, under the auspices of the Society of American Florists and Ornamental Horticulturists, will be held at Boston, Mass., the latter part of March, 1911. So much has been already decided upon. It has not as yet been arranged, however, what building in Boston will be utilized for the show, several having the desired qualifications being now under consideration.

The committee on the schedule of prizes, consisting of F. R. Pierson, chairman, John K. L. M. Farquhar, Thomas Roland, W. A. Manda, Robert Cameron, and Robert Craig, were in session almost continuously for two days and nights the latter part of last week, at the rooms of the Massachusetts Horticultural Society in Boston, planning and working out a list of premiums to be awarded at the show, the attractiveness of which will undoubtedly insure the largest and in every way the grandest display of plants and flowers ever seen in this country.

It is now planned and anticipated that $10,000 at least will be devoted to prizes, and such liberal awards will be made in each individual class that the very finest floricultural productions of our own country and Europe will be entered in every division. The enthusiasm which made the National Flower Show a success at Chicago in 1908, seems, if such were possible, to have become more intensified, and that, both from a horticultural and financial standpoint, this crowning effort of the S. A. F. & O. H. will be a most marked success there is no room whatever to doubt. As mentioned above, the prize schedule committee has given most freely of its energy and time for the good cause, and it will not be long now before the list of premiums to be awarded will be in complete form for publication.

Apart from the wonderful added interest this show will give to the cause of horticulture in this country, everyone in the horticultural business will also benefit in a commercial way, and, therefore, should do everything possible to help advance this truly mammoth undertaking.

Obituary

Johanna Zeh

Johanna Zeh, widow of Philip Zeh, who was from 1857 to 1897 a florist at Twenty-third st. and Fifth ave., Brooklyn, N. Y., died Jan. 12, at her home, 4820 Fifth ave. She was born in Ireland, Aug. 15, 1835, and is survived by a son Charles, who is in the building business in Manhattan, and one daughter.

George P. Bloomer

George P. Bloomer, formerly of Brooklyn, N. Y., while making his way through the recent storm at Bellmore, L. I., where he lived, became exhausted and died on the veranda of a hotel. He was 82 years old. For many years Mr. Bloomer lived at Herkimer and Sackman sts., Brooklyn. For some years he had been in business as a florist at Bellmore.

David De Mott

David De Mott of Tenafly, N. J., died at his residence on Tenafly road, Jan. 12. Mr. De Mott is survived by a wife and one child, and his father, now in his 85th year. For the past few years he had been engaged in the florist business, making a specialty of Violets. Mr. De Mott was an ardent bicyclist, being the last man in this section to ride the old style high wheel.

Luther A. Line

Luther A. Line died at his home in Carlisle, Pa., Jan. 6, aged 75, as the result of a paralytic stroke sustained a week previously. He was for many years engaged in floriculture. The deceased was a close friend of General Fitzhugh Lee, whom he knew as a soldier at the Carlisle garrison and who as a Confederate general was compelled to shell Carlisle, his former home.

Mrs. James L. Towner

Mrs. James L. Towner, aged 62 years, wife of the late James L. Towner, died early Saturday morning, Jan. 8, at the Union Protestant Infirmary Hospital, Baltimore, after a short illness. She had many friends. Many handsome floral wreaths were received by the family. Interment was in Baltimore Cemetery, the following Monday. She is survived by one daughter and three sons, Grace La Fevre, Benjamin, John and James Towner. James L. Towner, one of the sons, has been with the old firm of Griffith & Turner Co., Baltimore, for the past thirteen years, is well known by the trade, and has a host of friends. Much sympathy has been expressed by the trade.

Joseph A. Dirwanger

Joseph Anton Dirwanger, at one time the leading florist of the city of Portland, Me., but who has been laid aside by illness for a number of years, died Jan. 14, at his home, 145 High st., in Portland, from a complication of disorders which have sorely afflicted him for a long time past.

Mr. Dirwanger was born in Bavaria, Germany. 83 years ago and learned the trade of a florist in the royal gardens of the King of Bavaria, then a separate country. He came to this country in 1851 and was first employed as a private gardener. Mr. Dirwanger subsequently went into business for himself, building his greenhouses in the rear of No. 717 Congress st. He was located there for a long time, nearly 40 years in all, and during that time was the leading florist of the city. Of late years, since age and infirmity grew upon him, he had withdrawn from business entirely, and of late he had been almost a helpless invalid.

He is survived by a widow and several children. He leaves also a brother, Albert, who, too, has been a florist in Portland many years.

Richard Shannon

Richard Shannon, the well-known florist of Brooklyn, N. Y., died Jan. 16, at his residence, 172 A Clifton Place, Brooklyn.

Mr. Shannon was born in Ireland in 1837, and had been a resident of Brooklyn for nearly 50 years. He started in business in 1866 and built up a very large

trade, becoming one of the leading florists of the old city. In 1898 he took his son, David Shannon, into the business as partner, and the business thereafter was conducted under the style of R. Shannon & Son. The firm has a large plant, comprising fifteen or more greenhouses located on Greene ave., Brooklyn, near Greenwood Cemetery, where a general stock of decorative flowering and bedding stock is grown.

The deceased was probably the first Brooklyn florist to take contracts for decorating churches for special occasions, and houses for weddings and receptions. In his early days this was a novel feature, but grew rapidly in favor until today it is an important feature of the trade.

The firm started doing special work in Greenwood Cemetery in 1878 and this business soon assumed large proportions.

Mr. Shannon was a member of Hill Grove Lodge F. & A. M.; Evening Star Chapter R. A. M.; Clinton Commandery K. T.; Brooklyn Masonic Veterans; The Aurora Grata Bodies of the Scottish Rite; Unqua Corinthian Yacht Club of Amityville, L. I.

He leaves a widow and six children. The funeral was held Jan. 20, interment being made in Greenwood Cemetery.

Labor Saving Devices

At R. Vincent Jr. & Sons Co., White Marsh, Md.

Several instructive photographs showing the economic side of greenhouse construction and labor-saving devices employed at our establishment are here presented.

Figure 1—A regular farm wagon is used and the method of scaffolding can easily be seen from the photograph. The houses we have just finished are each 250x35 ft. The side posts are of cedar and locust, 7 ft. high. After they are set and the gutter plates are in place, the wagon is brought into play. At the first trip through the bars and ventilator frames are put up; then, on the return trip, the purlins, side posts and ventilators are set in place; on the last trip out, the cross braces and ventilator pipe and arms are erected and every part of the work completed that cannot be done from the ground. (See Fig. 2.)

The tables in the houses, which are the first of block E, are built crossways instead of longways. A four-foot walk up one side allows the man who handles the wheelbarrow, which carries 300 2-in. pots, to make a short carry, and enables him to move from 16,000 to 20,000 pots a day from the potting tables to the greenhouse benches. We have all our houses used for pot plants tabled so as to be convenient to handle the material for the wheelbarrow. Block A—Six houses, 165 ft. long, have a wide walk up each end. Block D—Six houses, 210x30 ft. long, have a wide walk up each end and across the middle, so that it is only necessary for plants to be carried, one box at a time, a little over 50 ft. We find this convenient, both in taking stock in and out of the houses, and consider that one man can easily do two and one-half times as much, and more easily at that, than he would if he had to carry one box or flat at a time.

R. A. VINCENT.

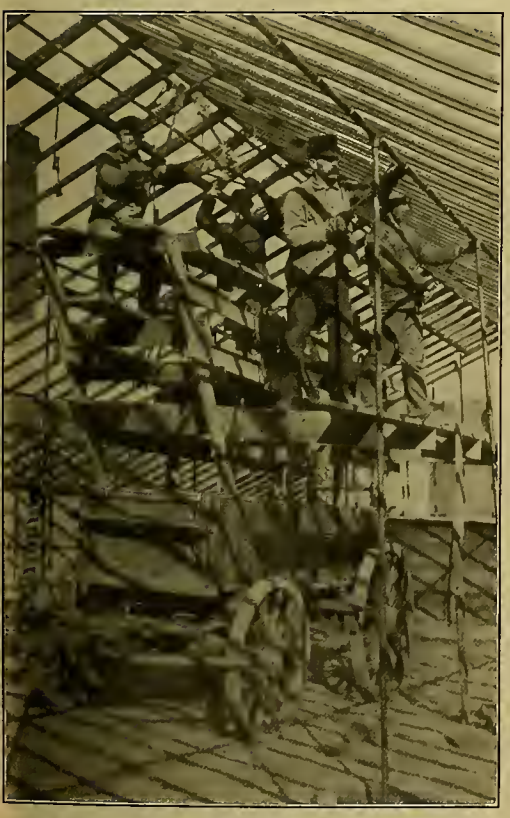


Figure 1—Greenhouse Erection, Showing Movable Scaffold

Handling 300 2-in. Pots at One Time on a Wheelbarrow

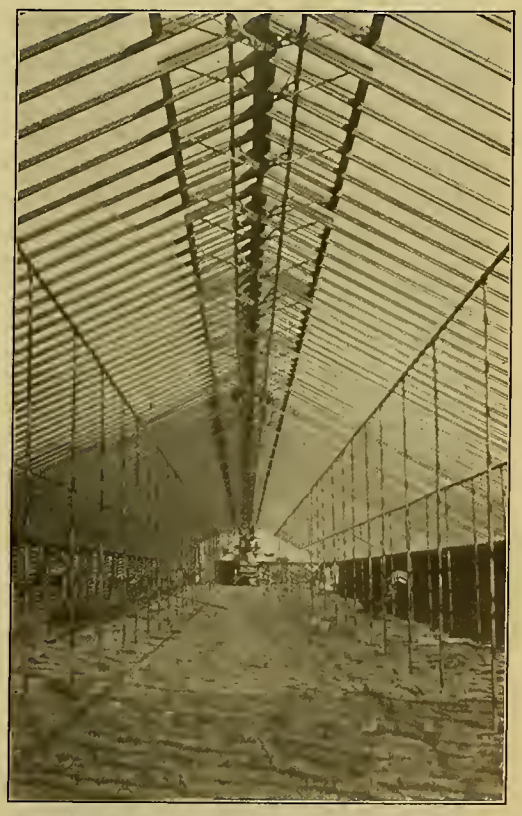


Fig. 2—The Cross Braces Will Be Placed in Position as the Wagon Comes Out
Houses, 250x35 ft.

The Carnation to the Fore!

The Nineteenth Annual Meeting of the American Carnation Society is to take place at Pittsburgh, Pa., on Wednesday and Thursday, January 26 and 27, 1910

In its issue of Saturday, January 29, The Florists' Exchange will give an account of the meeting, the Proceedings and the Exhibition.

The edition of February 5 will likewise be representative of the live trade interest which mention of the Carnation always excites.

The Informative Side

Growers and distributors of Carnations, whether they use our advertising columns or not, are requested to furnish us, for publication, notes on their novelties and on their experience with the leading standard varieties the past year.

The Advertising Side

Of especial value to advertisers of Carnation stock will be our edition of January 29, also that of February 5, and we invite the attention of all concerned to the particular advantages afforded by these issues, of making known their offers.

As to Advertising—
The Opportunity is Yours
Do not let it go by Default

Advertisements received up to Wednesday noon, each week

The Florists' Exchange

The Business Paper for Business Men

Nos. 2 to 8 Duane St., New York

Albert M. Herr
President American Carnation Society

The American Carnation Society

Nineteenth Annual Meeting

Pittsburgh, Pa., Jan. 26 and 27, 1910

Secretary A. F. J. Baur of the A. C. A. will leave Indianapolis on Monday night, Jan. 24, for Pittsburgh. All mail which will not reach him by Monday should be forwarded to him at the Fort Pitt Hotel, Pittsburgh.

The Carnation Exhibition

The 26th and 27th days of January, 1910, at Pittsburgh, Pa., will furnish great opportunities for your personal judging of Carnations, both old and new. They will all be present under one roof and there is only one way to judge them—which is to do it yourself. First, form your own opinion from the exhibits which confront you, then compare your impressions with the judgment of others, and you will have secured benefits and knowledge that will well repay the expense you may have incurred to obtain it.

Hotel Accommodations

The reception committee of the Pittsburgh Florists' and Gardeners' Club has issued a circular in which it is stated that there is every prospect that the hotels will be crowded during the week of the convention of the American Carnation Society and advises delegates to engage rooms early. The Club strongly recommends the Fort Pitt Hotel, where the convention sessions, exhibition and banquet will be held. Following are the rates in force at the different hotels:

Fort Pitt Hotel. European. $1.50 to $3.50 per day.
Seventh Avenue Hotel. European and American. $1 to $3.50.
Hotel Henry. European. $1.50 to $4.
Monongahela House. European. $1 to $3.50.
Schenley Hotel. European. $2 to $4.
Hotel Duquesne. European. $1 to $2.50.
Hotel Anderson. American. $3 to $7.50.
Colonial-Annex. European. $1 to $2.
Hotel Lincoln. European. $1.50 to $3.

The reception committee has arranged for the entertainment and comfort of the ladies of the visiting members.

The convention of the American Carnation Society is uppermost in our minds and the work of all committees is well under way. The Finance Committee had very little trouble in getting sufficient funds from those in the trade and we expect to give all the visitors entertainment that should please them.

Last week a joint meeting of all committees was held and everything was outlined; another similar meeting is to be held a few days before the convention, at the Fort Pitt Hotel and the finishing touch will then be added. The Florists' Club has mailed to every member of the Carnation Society a list of hotels, giving rates, and requesting them to secure rooms in advance, which is very necessary, as our hotels have had a very prosperous time since the new year.

The Fort Pitt Hotel, where the meetings and exhibition will be held, is a veritable "beehive," a very lively place, which you will readily perceive when you get here. A postal card was enclosed with list of hotels requesting all to state whether they will be with us or not, and how many; if this is returned promptly it will give us an idea of how many are coming and facilitate matters in making arrangements for their entertainment.

Mr. A. W. Smith, Jr., manager of the exhibition, states that there will be very little space for anything outside of Carnations, but it is likely that the hotel can make arrangements to accommodate would-be exhibitors with special rooms which would have to be engaged in advance. The Fort Pitt is a little over a square from the Union Station on Penn ave., and three or four squares toward the business center. On Penn ave. are several more good hotels, the Seventh Ave., Anderson and Colonial-Annex.

The H. J. Heinz Co., known all over the world, has extended an invitation to all visitors and our home florists to visit their immense plant on the North Side, and see how the "57" varieties are put on the market; besides they invite us to be their guests at a luncheon.

A smoker will be held on the first evening (Wednesday), to start about 9 p.m., after everybody is through with the day's work. The ladies will be tendered a theater party and luncheon following. The banquet will take place Thursday evening, about 8 o'clock, at the Fort Pitt Hotel, and we expect to have between four and five hundred people at table.

Fred Burki expects to have a good-sized delegation visit the establishment of the Rose and Carnation Co., at Bakerstown, on Friday morning, a place worthy of a visit, as it is equal to anything in the country.

The Phipps conservatories in Schenly Park and in the North Side Park will be glad to receive visitors; both places are easily reached in fifteen minutes from the heart of the city.

There are quite a few commercial places of some magnitude worthy of a visit, all easily reached by electric cars in short time. E. C. REINEMAN.

P. S. Randolph
Vice-President Pittsburgh Florists' Club

Fred E. Dorner
Treasurer American Carnation Society

Fred Burki
Vice-President American Carnation Society and President Pittsburgh Florists' Club

Solid Beds for Carnations

While it would be folly to make a positive statement that either the solid bed or the raised bench is the better method of growing Carnations, there are some good points to be brought out in favor of the solid bed. Although, practically, all the matter that may be brought up in a discussion on this subject would apply as well to the growing of Roses as to Carnations, the subject will be treated in connection with Carnation culture in this case.

Where the soil is very light there is less difference in the results when growing Carnations on the benches as compared with the beds. The light soil dries out readily and, consequently, the raised bench causes less trouble; but with heavy soil the drainage is not free enough and here the advantage is easily with the solid bed.

The one really important point to be considered, when choosing which shall be used, is that of drainage. The temperature in a Carnation house is not sufficiently high to assist, in any marked degree, the using up of the

A. F. J. Baur
Secretary American Carnation Society

A. W. Smith, Jr.
Manager Exhibition Committee Pittsburgh Florists' Club

moisture from the soil. The plants themselves, together with the sun and good drainage, must accomplish this. A solid bed with good gravel drainage dries out more readily than a raised bench, no matter how carefully constructed. The drainage from a gravel foundation is complete, while that from wooden bottoms is not. The narrow spaces between the boards are insufficient and where heavy soil is used there is the most difficulty.

Where the steam pipes are run underneath the benches it is possible to regulate the moisture in the soil somewhat, but this method is not altogether satisfactory. There is always danger that the soil will become too dry on the bottom of the bench while the upper part may still be moist enough; also, the benches will not dry out as evenly. More care is needed to keep the soil condition uniform. With heat underneath the benches it is necessary to keep a very careful watch at all times, or one bench may be wet, another dry, or the same bench may be very uneven, according to how the pipes are laid. Without the pipes underneath the soil may be kept more even as regards moisture, and although they dry out slowly there is less danger from extremes.

With a solid bed it is possible to keep the growing conditions more under control, and the plants are growing under more natural conditions. In the Spring of the year, when heavy watering is necessary and the roots are reaching out further, they are able to go down into the gravel where, it is true, very little food is found, but where a cool and moist condition exists. This is a help, especially during the bright sunny days when stock is apt to get soft.

E. C. Reineman
Chairman Finance Committee and Member Executive Committee Pittsburgh Florists' Club

One item which is of great importance in this connection, and which is bound to be considered by any florist, is the question of cost. No florist is apt to overlook this part of the question. Were this the only thing to be considered the solid bed would easily have the advantage.

The various methods of construction seen in different establishments differ but little. In some cases concrete sides are used, making a permanent neat bed. The sides may be any height desired, differing in accordance to what is under the beds. Where there is a porous, gravelly foundation, it is only necessary to have the sides high enough to hold the proper depth of soil. Of course, these very low beds are not easily worked, the mulching, tying and watering being more difficult than in the case where the sides are higher.

If a good, thoroughly practical and convenient bed is desired, without any great additional expense, the sides may be from 12 to 15 inches high, filling in with gravel, allowing five inches for soil and mulchings. This will give a perfectly drained bed of a very neat appearance, and if well constructed should last without regard to time.

Some of the first experiments in this connection, while successful in a degree, have been improved upon, and profiting by these earlier ideas of construction it is possible to now build beds of very neat appearance.

It is not necessary to have them bulky and clumsy looking, as a wall 1¾ inches at the top and 3 inches at

William Falconer
Chairman Press Committee Pittsburgh Florists' Club

the bottom is strong enough to stand all the strain necessary to put on it. The inside should be straight, with the slant on the outside, which will make the sides withstand the strain from the soil and gravel.

The following formula for the mixing of the concrete has given the best of success, and is given here as a safe one to follow; although a cheaper formula may be used by cutting down on the amount of cement this could hardly be advised. Portland cement should be used, as the cheaper grade does not give satisfaction. Use one part Portland cement, three parts sand—a coarse propagating sand would be the right grade—and five parts gravel; the gravel to be coarse but the largest stones to be no larger than a pigeon's egg. This should be mixed thoroughly and it must be kept mixed while using it, or the heavier gravel will settle and cause trouble.

The handiest way to manage the building of the beds would be to make the forms in sections, so that one bed may be set up complete. The concrete should be poured into the molds, and by having a gang of men on the mixing and carting the work can be carried right along until the whole bed is finished. It will then set evenly, showing no joints or weak places from piecing out.

No reinforcements are needed, excepting at the corners, where it is well to sink an iron made of a rod about the size of an ordinary pencil. This should be bent to go around the corners, with a prong bent down on each end, which will bind the corners securely.

The molds should not be removed inside of two days, and after removing them, if the sun is strong and the

Chas. S. Crall
Chairman Reception Committee Pittsburgh Florists' Club

atmosphere dry, the concrete will be much benefited by an occasional spraying of water. This will avoid the danger of the sides cracking.

When once the concrete is well set there is very little danger of the sides not holding. The critical time is when the work is new. Get the material into the beds at the earliest moment, when the soil can be kept moist and the concrete benefited.

In planning the molds they should be built in sections, ready to be put together easily with cross pieces sawed to the proper length, then when work is commenced there will be no hitch. All nailing of joints should be done with the fact in mind that the molds must be taken apart and reset. If the nails are driven in only far enough to hold, they may easily be redrawn and there will be less danger of breaking to the new concrete.

The greatest danger of breaking down the concrete is while the molds are being taken off. Bear this in mind and arrange all details so that the molds may be easily removed.

Where there are a number of beds it is well to have two or more complete molds so that the work may be carried on rapidly. The first set of molds may be removed and reset, to be filled while the last ones are setting and so on.

There is no doubt that the solid bed of concrete construction is cheaper in the end. The first cost alone is less than that of the raised bench, but the great saving is in the durability. As good, and in many cases better stock is raised on the beds and this fact is asserting itself more every season. DIANTHUS.

John L. Wyland
Executive Committee Pittsburgh Florists' Club

Fort Pitt Hotel, Pittsburgh, Pa.
Headquarters of the American Carnation Society and where the meeting and exhibition will be held.

The Propagation of Carnations

In the propagation of Carnations every grower of good stock is interested, and while each has his own method a few suggestions are here presented to those who may have heretofore failed, either from lack of knowledge or from too great enthusiasm to get all they could, regardless of who suffers through buying inferior stock.

Many of the large firms which make a specialty of supplying rooted Carnation cuttings to the trade have long since concluded that the best stock is none too good for distribution. For that reason the necessity for ideal conditions has been met, and especially prepared propagating houses are now often seen in well-equipped establishments. But so many florists are easily satisfied with their own propagated stock that so long as the cuttings have a root they are potted or transplanted, regardless of the advisability of growing on poor weakly things, as is plainly in evidence when walking through the rows of plants in the fields or garden spots of many commercial florists, and as was my experience in my travels the past season. This, of course, does not apply to all, but the evidence was sufficiently plain in so many instances as to call forth remarks at the time, with the invariable answer: "Well, they will do for somebody."

Somebody then, other than the propagator or distributor has to suffer and to this reason can so much dissatisfaction be traced by those who have recourse to buying a few hundred plants every Fall. Seldom is it that orders for plants are placed with the same firm two years in succession—I write in a general way—for "once bit, twice shy" is a maxim well observed.

A florist doing a general retail business, and one calling for a display of Carnation blooms all the time in his greenhouses, will often propagate the weakest and sickliest side shoots or "grass" in an effort to save his flowering shoots for future blooms. Small wonder is it then that his stock gives out in a year or so, and he must purchase new stock, meantime bewailing the loss of a bread and butter variety. Of course, varieties give out, but how much of this giving out can be attributed to careless propagation? Many firms are today carrying stocks of older varieties in preference to the new arrivals solely because they find that by careful selection of stock to propagate from they are the better repaid by the continuance of a known paying variety.

It is absolutely impossible for growers to keep up a regular supply of cut flowers if all available growth is taken for propagation; therefore, select your varieties, and only choose those plants that have not been highly fed, and forced into soft sappy growth; set these apart for purely stock raising purposes, leaving the other plants to supply you with cut flowers, even if you do have to buy a few once in a while. If growing for your own use, choose such time for making cuttings as best suits your convenience; but the concensus of opinion among the larger growers is that cuttings "struck" in late January and February make the best plants, as at that time of year they may be grown right on without any check in the growth. This produces better stock than that rooted in November or December, for the reason that the general florist has his hands full with the holiday business, and stock for the next year must of necessity be neglected until such time as opportunity presents itself to care for it; meantime the cuttings are becoming more starved, and right here is where a deal of mischief is done.

Place in your propagating bed some clean, sharp, coarse sand, free from decayed matter, level it, and make it firm with a pounder. I have seen good propagating mixtures, used with success, which contain sand and loam, or part sifted coal ashes, but clean sand is better. Having cut off all flowers and buds three or four weeks previously, in anticipation of propagation, the selected plants should be gone over, and cuttings secured, preferably "heel" cuttings, that is, those that can be taken from around the base of the plant. Take a cutting by an outward, downward pull; generally a small clip of the bark comes with it. Do not take every cutting; leave the small growth to grow on a few days, choosing only the strongest shoots that appear to be in fit condition. With a sharp knife remove the small leaves at the base of cuttings, also make a clean cut to remove the slip of bark, thereby presenting to the sand an even surface, from which roots will soon appear. The upper leaves need only be shortened a trifle, to give more light and air around the base of inserted cutting. Allow no leaves to remain on the sand, as with the constant spraying they are apt to decay and cause fungus. Make a cut in the sand, with an old knife, deep enough to allow at least an inch of a cutting to be in the sand, placing cuttings about an inch apart, two inches between the rows. When finished with each batch water thoroughly, and protect it from sunlight, each day; heavy waterings will not be necessary for quite a few days afterward, this, however, depending a good deal on location and amount of heat from the pipes under the propagating bed. If a steady temperature of 60° can be maintained in the sand, and about 45° to 50° in the greenhouse, the cuttings should root in from 20 to 30 days. Attention to light syringing, avoidance of drafts, plenty of fresh air, etc., must be given, and if these instructions are carried out, and a little practical sense added, a percentage of 90 to 95 will result. Some varieties root quicker than others, so that the assistant doing the work will have to use good judgment, making necessary notes for future reference. A word as to the necessity of potting cuttings as soon as roots are formed and the discarding of those unrooted—that is, do not put them back in the sand—should close these few remarks. A. H. S.

The Chicago Carnation Company

As to whether the Carnation leads the Rose in commercial important as a florist's flower under glass or not would say this is a rather broad subject, and one that requires considerable studying before arriving at an accurate conclusion, but if conventions and exhibitions are to be considered, you will always find there are more Carnation growers in competition than Rose growers, which goes to show that the Carnation is of far more importance to a larger number of growers than the Rose; we have no doubt, however, but that there is more money invested in the growing of Roses than in any other flower cultivated under glass. The subject is far too broad to enter into any details for publication at present writing.

Regarding our new varieties, we take pleasure in sending you some photographs of our new Carnations; some that were introduced last year, and one of our new acquisition, "Washington," a Lawson colored sport of Enchantress, which we recently purchased from Henry Eichholz, Waynesboro, Pa. We intend to disseminate this next season and have already begun to book orders. As the variety is a sport from such a well-known family as Enchantress, it needs no introduction, except, perhaps, a little explanation regarding its color, which will be of interest to most florists. The color is a cerise, the same shade as Mrs. Lawson, which has always been and we believe always will be a popular shade. There are many of the so-called dark pinks or cerise in the market at the present time, but we have yet to find one that is as satisfactory all around for exhibition and commercial purposes as "Washington." As it comes from a race of which we doubt whether there is a florist growing Carnations who does not have one or all of the (Enchantress) family growing on his place, we are sure they will welcome this new addition to such a valuable line.

Conquest is one of the best varieties of its type since the days of Prosperity, as it seems to possess all the good points of that grand variety, together with its exceptionally free blooming qualities, stiff stem, and its beautiful color, which is a light flesh pink as a background, overlaid with a deep rose pink extending clear through the petals, making a most valuable Carnation for any one to grow.

English Room—Fort Pitt Hotel, Pittsburgh, Pa.

J. W. Ludwig
Decoration Committee Pittsburgh Florists' Club

Sangamo is, without a doubt, the most prolific Carnation of any variety we have ever seen growing, and it surprises every one at the rapid growth it makes. It comes into crop exceptionally early and so continues heavily throughout the entire season, and the cut increases as the season advances. At all times of the season it shows an unusually heavy crop of flowers and buds, which develop rapidly, and the color is the nearest the true pink, a little brighter than Winona. The variety has always held its own on the exhibition table, and is the "best money maker" for any florist to grow when you figure the net returns per square foot bench space with any other variety, as it is perfect in every way, especially the stem, calyx, form and color, and is a most excellent keeper.

Mary Tolman has an exceptionally beautiful color, being a deep flesh pink, with just a little trace of salmon, which keeps it from fading in the brightest light. It makes a very clean, upright growth, and gives you large and nicely formed flowers on rigid stems 24 to 30 in. long.

Alvina, a variety that was introduced by Mr. Eichholz last season as a pot Carnation, has proved to be one of the best varieties as a cut flower, as it is exceptionally productive, giving you nicely formed flowers on stiff stems.

May Day is an exceptionally beautiful shade of flesh pink, just a little deeper than Enchantress. It comes into crop very early, and so continues throughout the season. It makes very little grass, every shoot making a flowering stem, which develops a fine flower in an exceedingly short time.

Among the standard varieties we grow, in addition to the above, is White Enchantress, which is our principal variety in this color. We have the true stock of the pure white, which has never shown any trace of pink and has never known defeat on the exhibition table. White Perfection is the only other white we grow in this color. In scarlet, we find it a hard matter to decide which of the two is the better, Beacon or Victory. In cerise, we still keep Aristocrat at the head of the list, and also find Afterglow to be a good one of this color. Under light shades of pink, we grow Winsor, Rose Pink Enchantress and a few Winona. In flesh pink, besides May Day, we think a great deal of Pink Delight. Although we were not able to get large plants of this variety in the field by planting-in-time, still it has produced as well as other varieties on our place and the flowers are exceptionally fine, with a stem long and stiff enough to hold the flower gracefully. We will grow it quite heavily next year as one of the leading varieties in this color. We still continue growing the old favorite variety Enchantress and Melody, or Daybreak Lawson, with a few royal purple Gov. Deneen. This completes the list of the varieties which we are growing.

Joliet, Ill. CHICAGO CARNATION CO.

Two New Carnations

Bon Ami and Granite State

Bon Ami and Granite State are two new Carnation seedlings, the result of crossing Queen upon Lady Bountiful in the year 1905, by George E. Buxton of Nashua, N. H. Both are white in color but of entirely different habit. Bon Ami in habit is quite similar to White Perfection, but makes a much better plant in the field. It has always been the first to come into bloom, bearing a very heavy crop of first-class flowers about the middle of October and continuing throughout the season with a crop equal to any of the commercial white varieties of today. Its blooms are of good size, being on an average 3 inches in diameter with many flowers, and when at its best 3½ inches in diameter. The stems are long and very stiff, holding the bloom perfectly erect, and in length Dec. 1 run 24 inches. The percentage of split blooms is so slight that the variety is called a non-splitter. Having given this Carnation a four years' test and believing it will prove itself a *good friend* to all who may try it, Mr. Buxton will send it out in limited number, commencing about February 1.

Granite State, although the result of the same cross as Bon Ami, was not from the same seed pod. The habit of growth is all that the critical grower could ask for. When housed in August the plants are in appearance very much like the grand old variety Wm. Scott. The stems are of extra length and hold the flowers in a graceful, upright manner. The blooms are of good size, being from 3 to 3½ inches in diameter. From Dec. 1 to July 1 stems 30 inches in length are easily cut without entering the hard wood. In Granite State Mr. Buxton thinks he has the "bread and butter" Carnation. For freedom of bloom, size of flowers, health and habit of growth, with practically no split calyxes, he sees no reason why this Carnation should not fill the long felt want for a good commercial white.

Of the keeping qualities of these two new Carnations nothing can be more convincing than the statement of Mr. Buxton that the flowers appearing in the photograph, here presented, and in another to appear in our next issue, were kept in a store window of W. W. Powers, a Nashua florist, in perfect condition for eight days, having been left there for exhibition after being photographed.

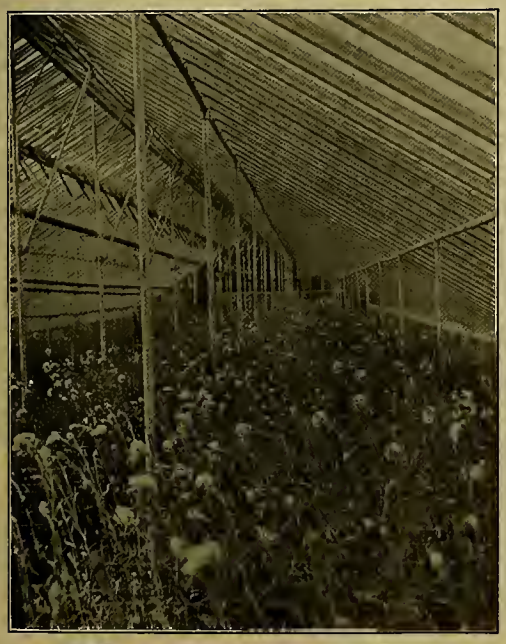
Granite State will be disseminated in 1911.

E. C. Ludwig

We have great pleasure in presenting the picture of Mr. E. C. Ludwig, a leading florist of the North Side of Pittsburgh, a member of the Finance Committee of the Pittsburgh Florists' Club and a gentleman who has worked very hard for the success of the A. C. S. Convention.

Carnation Alvina

This Carnation novelty of last year is reported to have made good with most growers as a cut flower. Those who potted up some of the largest plants found it a profitable Christmas seller, retailing at from 75c. to $1.50 each. The introducer, upon inquiry, gives the following advice: "To get Alvina into good flower for Christmas sales, leave plants in field until end of September, then transfer into a 6" to 8" pot, put into a frame you are able to cover with sash, to start them off, and after your early Chrysanthemums are cut, set the plants of Alvina on the benches and you will have an after crop that will realize more than twice the money the Chrysanthemums brought at Christmas time."



Bench of Carnation Granite State
Photographed Dec. 25, 1909.
Geo. E. Buxton, Nashua, N. H., disseminator.

Carnation Granite State
Geo. E. Buxton, Nashua, N. H., disseminator.

Horticultural Society of New York

A regular monthly meeting of this Society was held at the American Museum of Natural History, on Wednesday, January 12, 1910. Seven medals, four silver and three bronze, were ready for presentation by the president.

On March 16 to 18 the American Rose Society is to give an exhibition, in conjunction with this Society and under its auspices, at the American Museum of Natural History. The American Rose Society has already issued an extensive schedule for this occasion, and the Horticultural Society of New York has authorized its exhibition committee to prepare a schedule providing premiums for other plants. Excellent facilities are offered at the Museum for conducting a large exhibition, as was clearly manifested by the success of the exhibition given there last Autumn by this Society, which was attended by over thirty thousand people. There is abundant room, so that all may feel free to display their exhibits to the best advantage.

Orchid Section's First Meeting

The Orchid Section of the Society, recently established, holds its first meeting at the Museum on Wednesday, Jan. 26, at 8 p.m.; this meeting will be largely devoted to organization. It is hoped that this section may become the focal point about which the Orchid interest in the vicinity of New York may center. The meetings occur on the fourth Wednesday of each month, and all Orchid lovers are invited to attend them. Lectures and talks will be given and discussions encouraged, and all are invited to bring to the meetings interesting plants or flowers. The desire is to make all feel at home and free to ask questions and exchange ideas. Facilities are available for the display of plants or flowers, and it is possible to hold small exhibitions in connection with the meetings. If all interested will lend their encouragement by attending and taking an active part in the proceedings, the cause will be rapidly advanced.

The Lecture

At the conclusion of the presentation of medals referred to above, the lecture announced for the day, "Winter Decorative Shrubs," was given by Secretary George V. Nash, who illustrated his remarks with lantern slides and specimens. The following is an abstract of this lecture:

People are inclined to think that when Winter comes all is over in the line of decorative shrubs, but this is far from true. Each season has its shrubs. Forsythias and Spiræas in April and May; Roses and Rhododendrons in June, with others for July and August; and then the gorgeous tints of our Autumn foliage. Winter, too, has its charming shrubs, and while not as numerous as for the rest of the year they are perhaps even more attractive, for they come at a time when all is grey and bleak, and when every little thing that brings to memory the greenness and brightness of Summer is welcome. These Winter shrubs, of course, cannot attract by their flowers, but there are other features which make them a delight to the eye, and these must be sought in the color of the bark, the beauty of the evergreen foliage, or in the brightness of their persistent fruit.

As examples of the first group in which the color of the bark is the attractive feature, Kerria Japonica, with its bright green twigs, was referred to, Cornus alba Sibirica and Cornus stolonifera, both with dark red bark, and the yellow-stemmed form of the latter, known as the variety flaviramea. This variety is of a bright yellow and seems to carry a bit of the sunshine into the snow-banks.

The plants with evergreen foliage comprise two groups, those known as conifers and the others as broad-leaved evergreens. The dwarf forms of Retinisporas, Cedars, Pines, and Thujas are admirable subjects for Winter decoration, being especially attractive when snow-laden. Rhododendrons, Mahonias, Leucothoe Catesbæi, and especially Ilex crenata, with its thick dark green leaves and graceful habit, were cited as examples of desirable broad-leaved evergreens.

Among the shrubs desirable on account of their persistent fruit were: Aronia arbutifolia, commonly known as Pyrus arbutifolia; Rosa multiflora, with its myriads of red fruits; Ilex opaca, attractive also for its foliage, in addition to its bright red berries; Ilex verticillata, and its Japanese relative, Ilex serrata, both with red fruit; Symphoricarpos vulgaris, the Coral-berry, festooned with thousands of dark red berries which persist until nearly Spring time; and last, but not least, the Japanese Barberry, Berberis Thunbergii, which, if one were restricted to a single shrub, was perhaps best of all, possessing attractive features at all seasons of the year; yellow with its flowers in the early part of the season; clothed in an attractive green during the Summer; decorative during the Fall with its charming mantle of color; and then its chief charm reserved for the Winter months, when all is cold and grey, its bright red berries, borne in great profusion and retaining their color and plumpness until late in the Spring, adding a glow of warmth to the bleakness around.

The speaker then exhibited specimens of about two dozen decorative shrubs which he had gathered that morning in the grounds of the New York Botanical Garden, these impressing upon those present the beauties of many Winter shrubs.

At the close of the lecture, Mr. Wood entertained those present with an account of some of his own experiences with decorative shrubs for Winter, and described some of the interesting gardens he had visited in various parts of this country. He remarked especially upon the beauty of coloring of the foliage of the Mahonia, and advocated growing it in large masses to get the best results. He also commended highly the Japanese Barberry, prizing particularly its bright color which held undiminished until late in the Spring.

Phloxes in the West

Notes from the Horticultural Experiment Station, York, Neb.

Phloxes take a high rank on account of their remarkable beauty, continuous blooming from June until November, and because of the ease of their propagation and culture.

We found we could not depend on many of the imported ones in the trying climate of the West. Some cannot endure the drought and heat; others will rust and blight in wet weather, and many do not find the soil congenial. Said a florist from the East: "You ought to send down and get the kinds we grow." We showed him the identical kinds, but he could hardly recognize them, soil and climate affect them so much.

For years we have been building up a new race. We want: 1. A plant of great vigor to resist the heat and endure the wet weather. 2. Many of the imported ones are very slow propagators and therefore unprofitable. 3. We must have fine individual flowers to blend in one large symmetrical head. 4. We want continual bloomers. 5. A plant should seed well. Many kinds do not seed and others have only abortive pods like many Peonies.

This matter of seed bearing is very important, for there is a great future for Phloxes. We are raising thousands from well-bred seeds, most of which will compare well with imported varieties. Among the thousands are some that score the five points of excellence.

New Varieties

To avoid confusion, we name our new creations from the goddesses and heroines of ancient history. Arete is a cross between Crepuscule and Richard Wallace. It has a large symmetrical head, and florets of a large size, white as snow in warm weather and tinged with lavender late in the Fall, and having a crimson eye. The plant is a strong one and a continuous bloomer from June until November. It also understands the multiplication table.

Born at the same time we have Alcyone. This, I think, is the most beautiful Phlox on earth. Immense florets of snowy white and in the center five little brilliant stars, artistically arranged. But with the same treatment I got but 20 Alcyone and 600 Arete. I consider the latter one of the most profitable of all.

York, Neb. C. S. HARRISON.

Lord & Burnham Co.'s Philadelphia Office

The Philadelphia office of this well-known company has been in charge of D. T. Connor for the past few years, and the many contracts secured from this office, speak well for the popularity of its manager. In the office is on exhibition a full-size Burnham sectional boiler, showing all the new and uptodate improvements; hotbed sash; samples of all kinds of fittings, including boiler ventilator and general greenhouse building necessities; and many sets of plans, whereby the novice, as well as the old experienced greenhouse man, can see at a glance the benefits derived from using Lord & Burnham construction. These plans are very descriptive, even to the smallest detail, and convey to the fullest extent the ideas embodied in L. & B. construction, the durability of which has been the standard upon which the firm has built its extensive business. Telephone connections with all parts of the State have proved very beneficial where hurry orders are wanted, the necessity of which was proved while the writer was in the office, a long distance call referring to the installing of a new boiler (the old one having a serious crack), from a prominent grower, being just then received, the boiler having reached the grower five days after ordering, thus showing the facility with which this concern can handle orders of any size, the smallest receiving as much consideration as the largest. The styles of boilers handled by the company, number 87, all suitable for greenhouse work, from the one piece round water boiler with a record for its economy and fire keeping qualities to the largest sectional steam or hot water boiler, which has proved very satisfactory under the most trying conditions, and which can be operated at a saving by being built to burn pea and other grades of cheap coal. The wood used in the construction of the hotbed sash and frames is of the best selected red Gulf Cypress, for which purpose no better material is known. Thousands of these sash and frames have been sold, and the ease with which they are handled by growers, coupled with the durability, etc., make them especially valued.

Among the fittings, the ventilating apparatus is interesting, its many new and interesting features making it very desirable for florists' use. It includes such improvements as self-oiling gear, the compact standard side ventilation gear—these being constructed so as to allow of no projections beyond the heating pipes into the walks—and the standard and column gears, built specially for pipe frame or semi-iron houses, and fastened to a pipe column for support, to relieve the roof of any unnecessary weight, advantages which can be readily seen. Clamp pipe hooks, swinging pipe hangers designed to carry several steam pipes, and automatic air headers are other fittings used by this house in construction of uptodate greenhouses.

Mr. Connor is to be congratulated on his success in securing many contracts from prominent growers, among which may be mentioned the recent buildings at Norwood, Pa., for the Robt. Craig Co. of Philadelphia, Pa.; a fine Palm and show house for the League Island Navy Yard; two houses for Mr. Weiss of Hatboro, Pa., and others, beside many orders for boilers and bench fittings secured through the unquestionable familiarity that Mr. Connor has with the necessities of a greenhouse man. The office is located in the Heed Building, Filbert st., Philadelphia, and is within easy access of all railroads and car lines, being central, and perhaps an ideal location for such a business. A. H. S.

St. Louis Florists' Ladies Organize

Miss Matilda Meinhardt, who is president of the Ladies' Society of the S. A. F., made a call for a meeting of the ladies, which was held at the Washington Hotel, Monday, January 10, at 2 o'clock. The object of the meeting was to organize a ladies' home circle to which only S. A. F. ladies can belong. A few ladies met, a month ago, at the home of Mrs. John Steidel in St. Louis County, where the organization was first talked over which caused the call for this assemblage. Those present at the Washington were Miss M. Meinhardt, Mrs. J. J. Beneke, Miss O. G. Koenig, Mrs. Theo. Miller, Mrs. F. C. Weber, Miss J. Meinhardt, Mrs. F. H. Meinhardt, Mrs. Geo. B. Windler, Mrs. Carl Beyer, Mrs. H. G. Berning, Mrs. Kuehn and Mrs. John Steidel. The election of officers took place at once and resulted in the election of Mrs. John Steidel as president, and Miss M. Meinhardt secretary and treasurer. It was then stated that the object of the circle was to meet once a month. All members must belong to the Ladies' S. A. F., and to promote its interest each month one of the members will read a paper on something interesting to the ladies. For the next meeting, by a vote, the first lady to read a paper will be Mrs. J. J. Beneke. The circle will also entertain all visiting lady florists during their stay. After a few remarks from each of the ladies the meeting adjourned. Coffee and ice cream were served after adjournment. The secretary will send out notices of the date and place of the next meeting, in February. ST. PATRICK.

The New England Dahlia Society

The annual meeting of the New England Dahlia Society took place at Boston, Wednesday evening, Jan. 12, and the following officers were elected:

President Henry W. Kendal, Newton, Mass.; vice-president, E. B. Gill, Medford, Mass.; sec'y, Loring M. Bates, W. Bridgewater, Mass.; treasurer, Wilbur D. Moon, Lynn, Mass. Executive Committee—C. N. Bacon, E. Boston, Mass.; J. F. Flint, Salem, Mass.; Geo. Rawson, Newton, Mass.; N. A. Lindsey, Marblehead, Mass.; T. H. Tyndale, Boston, Mass.

The meeting was attended by fifty members, and among the visitors we had Mr. Beaulieu of Woodhaven, L. I. and Mr. Arthur Barry, Ossining, N. Y.

MAURICE FULD, Ex-Sec'y.

Attempts to split the New England Dahlia Society came to an end at the annual meeting of the Society, when the "Insurgents," after an effort to drive them out, were taken into camp, horse, foot and dragoons. In September, 1908, H. F. Burt, who had held the presidency of the Society since 1906, was defeated for re-election by William F. Turner of New Bedford, after which it was voted to incorporate the Society, and in the following December a charter was secured.

Under a claim that the meeting of the old Society was not duly dissolved, Mr. Burt and a few other pronounced the new corporation illegal and as having no right to the Society's name. They elected themselves officers of the real and only New England Dahlia Society, one to each office, and issued a paper called the Dahlia News, copied after the official organ of the Society. This did not prevent them from attending the recent meeting of the Society, however, where E. F. Gill of Medford moved the expulsion of Mr. Burt. The head of the "insurgents" made a vigorous defence, and the matter was referred to the Executive Committee.

F. E.—Best Advertising Medium

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — **ALBANY, N. Y.** **11 North Pearl Street**
Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Atlanta Floral Co. — **ATLANTA, GEORGIA** **41 Peachtree Street**
We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** **124 Tremont Street**
We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** **24 Tremont Street**
Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Robt. G. Wilson — **BROOKLYN, N. Y.** **Fulton St. and Greene Ave**
Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — **BUFFALO, N. Y.**
W. J. PALMER & SON, 304 Main St.

Hauswirth — **CHICAGO, ILL.** **The Auditorium Florist, 232 Michigan Ave.**
The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

JULIUS BAER, **CINCINNATI, O.** **Fourth St.**

Frank F. Crump — **COLORADO SPRINGS, COLO.** **Retail Florist**
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

W. G. Matthews — **DAYTON, OHIO** **Florist, 16 West Third Street**
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

The Park Floral Co. — **DENVER, COLORADO** **1706 Broadway**
J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

John Breitmeyer's Sons — **DETROIT, MICH.** **Broadway and Gratiot Ave.**
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Art and Its Study

Where, in all creation, is the opportunity for the development of art and beauty more abundantly placed at the disposal of man than with us, as florists, where Nature at her best surrounds us with unlimited suggestions? It may be asked, how shall we take advantage of the opportunities afforded us, or where and how can we benefit by them?

In the answers to these questions lies the secret of practical creation in design. We have all met the man who, unfortunately for himself, looks only to his own resources, for his further development, as he believes wholly in his ability to create original works.

Who of us would declare himself to be original in his work? None would dare, then why be false to ourselves? Very little result may be hoped for from such a mind, and its salvation, in an artistic sense, depends on the chance that it may so broaden in view as to be able to see and appreciate good in the works of his fellow men.

To gain the most of this world's good we must remain earnest scholars, with the world as our teacher. Let us consider that great artist, Michael Angelo, acknowledged to have been bestowed with priceless gifts of feeling for the beautiful, and aim to become also highly accomplished in our sphere. Let us take the lesson given to us by this great man in his painting of "The Last Supper," a subject that still remains among the world's greatest pieces of art. Here we discern the creation of a great mind; instead of wasting time in trying for something not yet conceived he wisely puts his gifts into a work worth while; his one desire was to reproduce the original scene as nearly as his imagination and belief could follow.

Throughout the works of this great teacher we can clearly see his aim was to reproduce; and, by the proper touches, he succeeded so perfectly that the individuality of his work gave him fame.

Standing Wreath, composed of Roses, Lily of the Valley, Violets, Chrysanthemums, Maidenhair Fern and Asparagus

By W. J. Palmer & Sons, Buffalo, N. Y.

Bertermann Bros. Co. — **INDIANAPOLIS, IND.** **241 Massachusetts Ave.**
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — **JACKSONVILLE, FLA.** **20 Laura St.**
We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — **KANSAS CITY, MO.** **1017 Broadway**
I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — **LOUISVILLE, KY.** **644 Fourth Avenue**
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA** **855 St. Catherine St., West**
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Young & Nugent — **NEW YORK** **42 West 28th Street**
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** **25 Clinton Avenue, North**
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — **SCRANTON, PA.** **122 and 124 Washington Ave**
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** **20-22-24 West Fifth Street**
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

Sievers Floral Company — **70 Geary Street** **SAN FRANCISCO, CAL.**
"Choicest of Flowers Always on Hand."

The poet often finds inspirations for his verse from some suggestive picture; while, in return, great painters have found food for work in the lines of the poet. In the schools of art a student is taught to cultivate his taste in the study of works of past great men. The instruction given is to copy, as closely as possible, the lines, colors, and expressions, that they may be instilled in his mind and later make it possible for him also to do well with his own selected subjects from the lessons so learned.

Does not this suggest to us that to note closely pictures of flowers might often result in some good ideas; or that to read a book bearing upon art, would at least be a healthy pastime.

To become a floral artist it is not necessary that we should know how to draw a flower, or how to paint it; neither is it necessary that we should know how paints are mixed. The artist in the schools spends years in acquiring these principles, and then finds himself unable to get a very large variety of flowers to study with as the price is too great an item. Now, we florists need but study graceful lines and the blending of color and, having the material with which to work, can produce pictures that the artist cannot paint. In short, Nature gives us the color and the variety and the rest lies with ourselves. FRED'K LEARY.

For "Supply" Advertisements see pages 132, 133

All advertisers in this column are provided with Arnold's Florists' Telegraph Code No. 16

The Florists' Exchange Design Book.
Have you seen a copy of this valuable assistant to all who have to do with "make-up" pieces. It is highly recommended by all who have seen it. Third edition now in preparation.

SANGAMO

Brilliant glistening pink, brighter than Winsor or Wiuona

WINNER AT CHICAGO, ST. LOUIS AND MILWAUKEE FLOWER SHOWS

Perfectly formed flowers on long, stiff stems; calyx does not split. The most PROLIFIC Carnation grown to-day. Everybody pronounces it the best "bread-and-butter" Carnation they have ever seen growing.

ROOTED CUTTINGS, ready Jan. 1st., $12.00 per 100, $100.00 per 1000.

CHICAGO CARNATION CO. JOLIET, ILL. — A. C. BROWN SPRINGFIELD, ILL.

Please mention the Exchange when writing.

CONQUEST

Light pink overlaid with deep rose. The most valuable and fancy Carnation on the market.

Winner of First Prize Wherever Shown

Habit of Lawson; very free; stem long as Enchantress and stiff; the flowers are large and well formed, making a good impression wherever shown, and can be used to good advantage in many different ways.

Chicago Carnation Co.
A. T. Pyfer, Mgr., JOLIET, ILL.

Please mention the Exchange when writing.

MARY TOLMAN

Winner of First Prize at Milwaukee. Deep flesh pink, the most beautiful color of any in this class. Does not fade in the strongest light. An excellent, clean, upright grower, long, stiff stems and perfectly formed flowers. Will produce more perfect blooms in a season than Enchantress. We want your order for this excellent Carnation. Orders booked now for January, 1910, delivery.

$12.00 per 100, $100.00 per 1000

A. E. Hunt & Co. EVANSTON, ILL. — Chicago Carnation Co. JOLIET, ILL. — Hunt Bros. PARK RIDGE, ILL.

Please mention the Exchange when writing.

SHASTA

WE are now shipping fine, strong cuttings of **Shasta,** as fast as they are ready to come out of the cutting bench. Orders on our books will take all that will be ready up to February 15th. If you want late February delivery you should send in your order at once before the other fellow gets them.

Come and see it growing if you can. Once you see it you will want to grow it. $12.00 per 100, $100.00 per 1000.

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

CARNATION CUTTINGS

	100	1000
Beacon, Enchantress, White Enchantress, White Perfection, Winsor	$2.50	$20.00
Winona, Lawson, Enchantress	3.00	25.00
Georgia	5.00	40.00
Pink Delight	6.00	50.00

WHITE BROTHERS, GASPORT, N. Y.

Please mention the Exchange when writing.

Rooted Cuttings

	Per 100	1000
Perfection	$2.26	$20.00
Georgia	5.00	
Rose Enchantress	2.00	15.00
Winona	3.00	25.00
Afterglow	3.00	25.00
Winsor	2.00	16.00
Mrs. Patten	2.00	15.00
Harry Fenn	2.00	15.00
Beacon	2.50	20.00

QUIDNICK GREENHOUSES
J. H. Cushing, Prop., Quidnick, Anthony P. O. R. I.

Please mention the Exchange when writing.

WHITE KILLARNEY—MARYLAND

Select Grafted Plants from 2½-in pots, $12.00 per 100.

Ready for delivery March 15, 1910

O. P. BASSETT

Proven the best red in the market. Rooted Cuttings, $6.00 per 100, $50.00 per 1000. Immediate delivery.

BASSETT & WASHBURN

Greenhouses, HINSDALE, ILL. — Office and Store, 76 Wabash Ave., CHICAGO, ILL.

Please mention the Exchange when writing.

JUANITA

A Good Scarlet Carnation

Calyx never bursting—color bright—stem very strong—a steady bloomer—and a large flower.

Come and see it as often as you like.

Rooted Cuttings, $10.00 per 100; $80.00 per 1000; $300.00 per 5000.

THE FILLOW FLOWER CO., FLORISTS, Westport, Conn.

Please mention the Exchange when writing.

Strong, Healthy, Well Rooted Cuttings, Now Ready

	100	1000
GEORGIA, best white	$6.00	$50.00
HARVARD, crimson	4.00	35.00
FAUST, Christmas scarlet	3.00	25.00
ENCHANTRESS	2.50	20.00
ROSE PINK ENCHANTRESS	2.50	20.00
WHITE ENCHANTRESS	$3.00	$25.00
WINSOR	2.50	20.00
BEACON	3.00	25.00
VICTORY	2.50	20.00
BAY STATE	6.00	50.00
VICTORIA (extra good)	4.00	35.00

Remember, we guarantee satisfaction.

Address all orders to

JAMES D. COCKCROFT, NORTHPORT, L. I., N. Y.

Please mention the Exchange when writing.

A new Carnation Seedling of wonderful merit will be offered to the Florists' Trade in February, 1910. Orders booked now. This Carnation,

"The Constant"

Grown by Wm. Bester, of Hagerstown, Md. Color between Rose-pink and Winsor. Produces long stems and large blooms from October to June. Free of any diseases and no cropper. Calyx perfect. Blooms keep in good condition ten days. This Carnation grown and tested by Mr. Bester for three years and all points guaranteed. The original seedling produced under the most scientific cultural conditions, and will supersede the Lawson. Price for Strong Cuttings, only $10.00 per 100, $90.00 per 1000.

C. S. FORD, Box 4515, WEST PARK PHILADELPHIA, PA.

Established 1881. Florists' Supplies, Novelties, etc.

Tioga branch conducted by A. M. FORD, Tioga, Philadelphia, Pa. Also representing A. HERMANN, Florists' Supplies and Metal Designs, 404-412 East 34th st., New York, and others.

Please mention the Exchange when writing.

Carnation Cuttings

For Present and Later Delivery

	100	1000
Beacon, Enchantress, White Enchantress, White Perfection, Winsor	$2.50	$20.00
Winona, Lawson Enchantress	3.00	25.00
Georgia	5.00	40.00
Pink Delight	6.00	50.00

GEO. B. HART
24 Stone St., ROCHESTER, N. Y.

Please mention the Exchange when writing.

A HEARTY INVITATION

While the Carnation is up for its Annual Review we would esteem it a favor to hear from those who grow the plants. Send in notes on your experience with Carnations in 1909; together with any suggestions or criticisms you may have to offer. Do it now. Don't wait.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

Springfield, O.

The Springfield Florists' Club held a social session on the evening of Jan. 10, to which every florist in this vicinity not a member of the Club was invited as a guest.

The affair was a most enjoyable and profitable one for all present. Tables were set in the packing house of the Highland Floral Co., handsomely decorated with potted plants by the members of that progressive firm, and heavily loaded with all the good things that go to make up a square meal for a hungry man.

Dinner was announced at 6.30 and about 35 members and guests "drew up and fell to," giving hearty approval to the menu designed and served by the Club's excellent standing committee on refreshments.

After the tables were cleared and cigars passed, opportunity was given for expression of views, more especially those concerning the interests of the local florists, and some points were brought out from which good results are expected.

The contemplated flower exhibition to be held in this city next Fall came in for full share of discussion; we are all intensely interested in this matter and a creditable showing will undoubtedly be made when the time comes.

The Schmidt & Botley Co. have just completed a commodious cold storage house and will be in fine shape to care for their large bulk of dormant stock.

The Fairview Floral Co., under its new management, has issued a handsome 100-page catalog with lithographed cover and will make a strong bid for a share of Spring business.

Club President Murphey and John M. Good are both confined to their homes with illness and have the sincere wish to all for speedy recovery.

Ed. George of Painesville, O. and C. Betscher of Canal Dover, O. were recent visitors. M.

Rooted Cuttings

Fine, Clean, Strong, Well-rooted Stock

Carnations

	100	1000
O. P. Bassett	$6.00	$50.00
Victory	2.50	20.00
Beacon	2.50	20.00
Enchantress	2.00	15.00
Winsor	2.00	15.00
Rose Pink Enchantress	1.50	12.50
Lawson	1.50	12.50
White Perfection	2.00	15.00
White Lawson	1.50	12.50

Roses

	100	1000
Richmond	$2.00	$17.50
Chatenay	2.00	17.50
Bridesmaid	2.00	17.50
Bride	2.00	17.50
Uncle John	2.00	17.50
Ivory	2.00	17.50
Killarney	2.50	20.00
Perle	2.50	20.00
Sunrise	2.50	20.00

Peter Reinberg

35 Randolph St.

Chicago

Please mention the Exchange when writing.

CARNATIONS

ROOTED CUTTINGS

WHITE	100	1000
Apple Blossom	$6.00	
Mrs. J. C. Vaughan	5.00	
White Perfection	2.50	$22.00
White Enchantress	2.50	22.00
The Queen	1.50	12.00
PINK		
Pink Delight	6.00	
After Glow	4.00	30.00
Viola Sinclair	3.50	
Lawson Enchantress	3.50	30.00
Winona	3.50	30.00
Rose Pink Enchantress	2.50	20.00
Enchantress	2.00	18.00
Mrs. Thos. Lawson and Winsor	1.50	14.00
RED		
Beacon	2.25	20.00
CRIMSON		
Harvard	3.50	30.00
Harry Fenn	1.50	12.50

January and February delivery.

Less 3 per cent. for cash with order. Quality guaranteed or money refunded.

B. F. BARR & CO., Keystone Nurseries **Lancaster, Pa.**

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, $12.00 per 100, $100.00 per 1000.

Alma Ward, $15.00 per 100, $125.00 per 1000.

Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett, $6.00 per 100, $50.00 per 1000.

White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink, Enchantress and Harlowarden, $3.50 per 100, $30.00 per 1000.

New crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons, at 25c. and $1.00 per package.

CHAS. H. TOTTY

MADISON, N. J.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.

LA FAYETTE, INDIANA

Please mention the Exchange when writing.

Here it is! Bon Ami

A NEW WHITE CARNATION

Equal in production to the old Queen, with flowers of a far superior quality. An excellent, clean, upright grower, producing no surplus grass. Stem, very strong and of good length. Average size of flower, 3 inches. An early, continuous bloomer. **Bon Ami** will prove a good friend to all who will try it.

$10.00 per 100, $75.00 per 1000. Orders booked now for February delivery.

GEORGE E. BUXTON, Nashua, N. H.

Please mention the Exchange when writing.

Carnations

ROOTED CUTTINGS

You will find my stock full value for money expended, and I want a trial order, no matter how small. Prices given on request. State how many you will want of each variety and when they are to be delivered. It will pay you to write.

White Perfection, White Rose, Pink and Lawson Enchantress, Winona, Winsor, Lawson, Afterglow, Alvina, Beacon, O. P. Bassett and Harry Fenn.

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

LUCILLE

The new Carnation, that will bring you more dollars and cents than any other Carnation. Try it. $12.00 per 100; $100.00 per 1000.

Write for circular.

A. F. LONGREN, Des Plaines, Ill.

Please mention the Exchange when writing.

A HEARTY INVITATION

While the Carnation is up for its Annual Review we would esteem it a favor to hear from those who grow the plants. Send in notes on your experience with Carnations in 1909; together with any suggestions or criticisms you may have to offer. Do it now. Don't wait.

New Bedford, Mass.

Business is about the same as usual. Funeral work is very good, using up large quantities of stock. Carnations of good quality are now coming into the market, and retail at 60 and 75c. per dozen. Roses retail at $1.50 and $2 per dozen; Violets at $1.50 per 100 blooms; Sweet Peas at $1 per 100 blooms; Paper White Narcissus at 50c. per dozen. There is a good call for greens, which are none too plentiful at this time. Stevia is about all done for this season. A few Freesias are to be seen, and are fine for funeral work.

Friday and Saturday, Jan. 14 and 15, brought us a regular blizzard. Snow fell for two days and everywhere now one can see snow. We have had very cold, steady weather from before Xmas until now.

All the uptown stores are making nice window displays just now. Some nice flowering plants are still to be seen. There is a fairly good call for well flowered Cyclamen plants. Easter Lilies look good at present, for Easter.

Peter Murray of Fairhaven, Mass., informs the writer that he intends to put up another range and boiler house the coming Spring. He is well satisfied with trade this past season. In the Summer time he employs as many as 20 men doing garden work. This is the home of the Winsor Carnation, a good all around Carnation.

Growers are now getting ready to plant for Memorial Day. Stocks and Candytuft are planted extensively around here.

Wm. P. Peirce is still receiving some nice large Violets from Harvey Briggs, near Dighton, Mass.

H. A. Jahn is cutting some nice Lloyd Carnations.

R. H. Woodhouse will have an immense quantity of Geraniums and bedding plants for the Spring trade.

HORTICO.

NEW CARNATIONS

The two prize winning introductions of the Cottage Gardens.

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full center; color deep pink several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower and has never shown disease of any kind.

AWARDS

Society of American Florists, Silver Medal, Boston, 1906; The Craig Cup for Best Seedling, Philadelphia, 1906; The Lawson Bronze Medal, Washington, 1908; The Horticultural Society of New York Silver Medal, Sweepstake prize for best 100 blooms, New York, 1909; The Horticultural Society of New York Diploma, for best new variety, New York, 1909.

PRICES FOR ROOTED CUTTINGS

$2.00 per 12, $12.00 per 100, $100.00 per 1000. 25 at the 100 rate, 250 at the 1000 rate.

ALMA WARD

This beautiful Carnation is pure white except during dark weather when it shows delicate splashings of pink similar to the Cattleya Orchid, increasing its popularity.

ALMA WARD is the largest and most fragrant Carnation ever grown, producing perfect flowers 3½ to 4½ inches in diameter on strong, erect stems 36 to 42 inches in length.

AWARDS

The Lawson Silver Medal, Toronto, 1907, (No Gold Medal having been awarded); The Lawson Gold Medal, Washington, 1908; The Society of American Florists' Silver Medal, Washington, 1908.

PRICES OF ROOTED CUTTINGS

$3.00 per 12, $5.00 per 25, $9.00 per 50, $15.00 per 100, $35.00 per 250, $65.00 per 500, $120.00 per 1000.

Delivery February 1st. January Cuttings all sold.

These varieties bring from $2.00 to $4.00 per 100 more than any other Carnation sold in the New York market.

COTTAGE GARDENS CO., Inc.

QUEENS, LONG ISLAND, N. Y.

Please mention the Exchange when writing.

Rooted Carnation Cuttings

WHITE	100	1000
Alma Ward	$16.00	$120.00
Shasta	12.00	100.00
Niagara	6.00	50.00
Georgia	6.00	60.00
Mrs. J. C. Vaughan	6.00	50.00
White Perfection	3.00	25.00
White Enchantress	3.00	25.00
Snow Flake	3.00	25.00
Lloyd	2.50	20.00
RED		
O. P. Bassett	6.00	50.00
Beacon	3.00	25.00
PLUM COLOR		
Gov. Dineen	6.00	50.00
CRIMSON		
Ruby	6.00	50.00
Wanoka	6.00	50.00

PINK	100	1000
Admiration	$12.00	$100.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Mary Tolman	12.00	100.00
Dorothy Gordon	10.00	76.00
May Day	6.00	50.00
Winsor	3.00	25.00
Afterglow	3.00	25.00
Winona	3.00	25.00
Enchantress	2.50	20.00
Rose Pk. Enchantress	2.50	20.00
VARIEGATED		
Conquest	12.00	100.00
Bay State	6.00	60.00
Apple Blossom	6.00	60.00
Mrs. M. A. Patten	2.50	20.00

Strong, clean cuttings—Ready for shipment now.

S. J. REUTER & SON, Inc., Westerly, R. I.

Please mention the Exchange when writing.

Ribbons that Create a Lasting Impression

FRESH FROM OUR MILL DAILY

Taffetas, Satin Taffetas, Messalines

Rich, lustrous Ribbons, your trade will like. Prices and samples on application.

The Pine Tree Silk Mills Co.

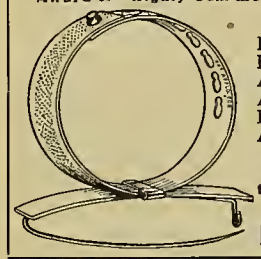
Philadelphia, Pa.

806-808-810 ARCH STREET

Please mention the Exchange when writing.

WILSON'S CORSAGE-BOUQUET HOLDER

Award of "Highly Commended" at the S. A. F. Trade Exhibition at Cincinnati.



Holds Corsage-Bouquets securely and gracefully.
Prevents damage to apparel.
Adjustable to any diameter of bouquet stem.
Adaptable to anything from Violets to Roses.
Does away with Corsage Pins.
A handsomely silver plated article and ornamental in itself.

Samples to the trade, 25c. each, by mail postage paid. By the dozen $3.00, postage paid. Correspondence Solicited. Address

ROBERT G. WILSON, Fulton St. & Greene Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

Dagger and Fancy Ferns, $1.50 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7 50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, BOSTON, MASS.

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roplings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays.

Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

CHRISTMAS GREENS, Holly, Mistletoe, Pine Plumes, Table and Christmas Trees.

All Decorating Material in Season.

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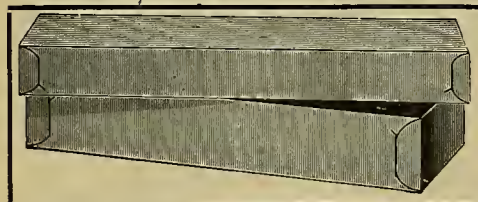

Cut Flower and Design Boxes

All Sizes, Lowest Prices Write

C. C. Pollworth Co.

MILWAUKEE

Please mention the Exchange when writing

FANCY OR DAGGER FERNS, $1.00 per 1000.

GALAX, bronze or green, $1.00 per 1000. **SPHAGNUM MOSS,** 12-barrel bales for $3.50. Nice Stock Try a bale. **GREEN MOSS,** $1.25 per barrel.

Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods.

Telegraph office; New Salem, Mass. L. D. Phone Connection

SMILAX, 50 lb. cases, $6.00.

PINE, 7c. per lb

Partridge Berries, $2.00 per 1000 or 10c. per bunch of 50 sprays.—Order now. Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $12.00 to $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . **FLORISTS' SUPPLIES** Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

F. E.—The Best Advertising Medium.

Retail Notes

DAYTON, O.—Mr. and Mrs. Warren G. Matthews entertained a number of the employees of the Matthews Florist Co. at a banquet at the Atlas Hotel, on Jan. 12.

SOUTH BEND, IND.—The store of the South Bend Floral Co. and the greenhouses have been sold, under the receivership, to Albert and Charles Kinyon, florists—$10,000 was the price paid.

ELKHART, IND.—W. J. Troyer, the retail florist, who now has quarters in Brusman & Holdeman's office, will shortly move into the building to be vacated by Helfrick's, the clothiers.

HARTFORD, CONN.—The florists are greatly concerned over the resurrection of the old Pilgrim Blue Laws of 1702, under which it is sought to compel the closing of all places of business except such as might open on the plea of "mercy or necessity." Sunday, Jan. 16, was the first "blue" day.

JERSEY CITY, N. J.—Wm. G. Elliott reports holiday business as good as that of last year, principally in plants. His rush all came in the last three days.

BUFFALO, N. Y.—Edgar J. Spiess has opened a new florist store at 211 Genesee st.

STONEHAM, MASS.—James H. Delay, a florist, has filed a petition in bankruptcy. Liabilities are $3590; assets uncertain.

Pittsfield, Mass.

A flower store, to be known as "The Flower Shop," will be opened in the new Agricultural National Bank Building, about Feb. 1. Robert L. Smith of The Wallace Co. of Schnectady, N. Y., and Stanley G. Barnes, who has been with Chas. Limmer in the same city, are opening the store. Mr. Barnes will have charge for the present and until it is all well regulated. The store has been fitted up in a most artistic manner and the furnishings are neat and well arranged. A good trade is anticipated as The Flower Shop intends to carry only first quality goods in every respect, as this grade of stock will likely be appreciated in this city. B. F. S.

Hartford, Conn.

Business the past week has been below the average, very few social functions having taken place and not as much funeral work done as usual. The heavy snowstorm of Friday and Saturday kept people from getting out which lessened the sales for these two days considerably.

There is a good supply of all kinds of flowers, excepting Carnations. The retail prices are as follows. Roses $1.50 and $2 per dozen; Carnations 75c. per dozen; Violets $1.50 per 100; Paper Whites and Romans 50c. per dozen; and Sweet Peas $2 per 100.

Stephen Green of H. Bayersdorfer & Co., Philadelphia, and Robt. Greenlaw of N. F. McCarthy & Co., Boston, were callers this week.

A boiler in the Palm house of John Coombs sprung a leak last Wednesday night; all the Palms were removed to an adjourning house, so that none of them were frozen. A new boiler has been installed. J. F. COOMBS.

Albany, N. Y.

The Albany Florists' Club held its annual banquet on Thursday evening, Jan. 13, at the New Kenmore Hotel. About 40 members were present. The banquet tables were decorated with vases of Roses, Carnations, Mignonette and Narcissus, sent by the members, and the room was well decorated with Palms, Ferns, etc. There was a fine menu and everyone present seemed to enjoy it to their hearts' content. After the dinner, the toastmaster, Pres. F. Goldring, called on the different members present for toasts, which were responded to by the different guests. Among them was the genial member, J. H. Snyder of Rhinebeck, N. Y., who is always ready and willing. His toast was "The Pine Knot." Other out-of-town guests were J. Sambrook, Berlin, N. Y., and Henkes Bros. Newtonville, N. Y.

Chas. Sanders of H. G. Eyres' has recovered from his sickness and is well enough to be around again. Visitors: Mr. Roney of Henry S. Michell Co., Philadelphia. W. C. K.

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.25	28x8x4	$4.50
18x5x3	2.25	30x5x3½	3.75
24x5x3½	3.00	36x6x5	6.50
21x7x3½	3.25		

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.50
18x18x8	9.00	36x10x6	10.00
20x20x8	10.00	30x12x7	8.50
24x24x8	12.00	28x12x4	6.50
24x18x8, Pillow Box			12.00
20x15x8, Pillow Box			10.00

10% discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.

Box 205 CASTORLAND, N. Y.

New York Office, 20 East 42nd Street

Please mention the Exchange when writing.

You Need This Paper if You Force Vegetables

The Weekly MARKET GROWERS JOURNAL is the ONLY paper published exclusively for market gardeners and truck farmers. It carries a special department devoted to the greenhouse forcing of vegetables and is the official organ of the Greenhouse Vegetable Growers' and Market Gardeners' Association of America. Recognized by Department of Agriculture and Experiment Station officials as authority on vegetable forcing.

What Eugene Davis Says

Eugene Davis of Grand Rapids, Mich., originator of Grand Rapids Lettuce and Davis' Perfect Cucumber, writes:

"The articles on Growing Lettuce by Mr. Waid and Growing Cucumbers by 'Grower' are worth ten years' subscription to a beginner."

Subscription price, $1.00 a year, 62 issues. Send us $1.00 today. If you are not satisfied at the end of the year we will refund your money. Address

MARKET GROWERS JOURNAL,

532 Walker Bldg., Louisville, Ky.

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THE BOHANNAN VIOLET CLASP

A classy article holding the corsage securely

WHERE TO BUY:—

A. L. RANDALL CO., 19-21 Randolph St., Chicago, Ill.

H. BAYERSDORFER & CO., 1129 Arch St., Philadelphia, Pa.

Please mention the Exchange when writing

Southern Wild Smilax

Now ready for shipment.

Write, wire, or 'phone the introducers.

CALDWELL THE WOODSMAN DECORATING CO.

EVERGREEN, ALABAMA

Please mention the Exchange when writing

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: "Saw your advt. in F. E."

We Manufacture

ICE BOXES

THE LATEST IMPROVED

Also Florists' Novelties

WINDOW BOXES, PLANT TUBS, PEDESTALS GRILL and LATTICE WORK, RIBBON CASES and OTHER FURNITURE

THE ONLY HOUSE MANUFACTURING

Art Wood Novelties

EXCLUSIVELY FOR THE FLORISTS' TRADE
ESTIMATES SUBMITTED

FORSTER MANSFIELD MFG. CO.

145 West 28th Street

'Phone 4254 Madison Sq. NEW YORK.

Please mention the Exchange when writing.

BRONZE GALAX

I have a large stock on hand, all first-class stuff, and in order to move them quickly, I will make a great reduction in price. Size 2¾ to 3½ in., at $2.90 per case of 10,000, f.o.b. Mt. Airy, N. C. Discount on larger orders. Cash in advance from unknown parties. A few cases by express will show the quality.

G. A. HOLDER, Round Peak, N. C.

Please mention the Exchange when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY

962 Mill Street, KENDALLVILLE, IND.

Please mention the Exchange when writing

KRICK'S

Krick's Letters THE BEST.

Florist Novelties

Manufacturer and Patentee of

The only genuine IMMORTELLE LETTER on the market

1164-66 Greene Ave., BROOKLYN, N. Y.

For sale by all supply houses.

Please mention the Exchange when writing

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire

IGOE BROTHERS

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes

63-71 Metropolitan Ave., BROOKLYN, N. Y

Please mention the Exchange when writing.

MICHIGAN CUTFLOWER EXCHANGE, Inc.

Wholesale Commission Florists

Dealers In Fancy Ferns

38-40 Broadway, Detroit, Mich.

The Spineless Cactus

How Misstatements Go Down to Posterity

The dispute that followed the announcement that Luther Burbank had created a spineless Cactus is renewed with the advent of the new State school textbook on geography. Hugo H. Lilienthal, the Berkeley (Cal.) horticulturist and president of the Juvenile Hort. Society of America, in a letter to the State Department of Public Instruction, replying to George L. Sackett, secretary of the State Textbook Committee, who defended the textbook, points out that Burbank admits that he did not originate the spineless Cactus, but simply improved it, while, in the new textbook, Burbank is credited with the spineless Cactus shown in picture illustration and no definite variety or species of Cactus is mentioned.

Our National Forests

Prof. Henry Solon Graves, the new Forester of the United States, begins his term of service Feb. 1. He was born in Marietta, Ohio, May 3, 1871, has been director of the Yale Forest School since 1900, and is a warm personal friend of Mr. Gifford Pinchot.

In speaking of the forest service, Professor Graves stated that the United States forest service has been built up from a very small division of the Department of Agriculture, with an annual appropriation of $25,000, to a sizable bureau with an annual appropriation of about $400,000. At the present time there are 195,000,000 acres in charge of the forester, comprising 27,000,000 acres in Alaska and Porto Rico, and it is the duty of the forester to administer these public lands along lines of conservation and according to the rules of scientific forestry. This work includes the protection of the forests, the cutting of mature timber so that the forests will continue to yield and be perpetuated, the building of roads through the forests and the selling of timber.

During the year 1908 there were cut from the national forests 400,000,000 feet board measure of lumber.

A large business has also grown up on the forest lands in the use of them for grazing purposes, where grass grows between the trees. In 1908 there were over a million cattle and horses grazing under proper regulations on the forest land and there were also 7,000,000 goats. There are 150 different forests in the United States and there are 1500 men in charge of them.

The work of the forest service is gradually growing and it is becoming recognized as being one of the most important business interests of the country.

The service is also engaged in the study of tree growth, the best ways to cut and plant trees, and the encouragement of the State forestry departments similar to that in Connecticut.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00.

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

KILLED

All pests that trouble greenhouse plants. Write us and we shall be pleased to send you a list of our customers with whom we know you will be acquainted. What better advertisement can be had than the recommendation of leading florists for Getsthere Insecticide Soap. 1-gal. can $1.00, 50 lbs. $3.50.

GETSTHERE SOAP CO., Conshohocken, Pa.

Please mention the Exchange when writing.

Orders by Telegraph

For twenty-five cents, cash, we will forward you a handsomely printed card, worth framing, which you can hang in a conspicuous part of your store, to let your customers know you "fill orders for flowers, plants or floral designs to any point" by telegraph.

A copy of Arnold's Florist's Code, price $2.50, will give you a key for the cipher transmission of orders to any of the advertisers in our "Directory of Reliable Retail Houses." All for sale by

The Florists' Exchange
No. 2 Duane St., N. Y.

CANNA ROOTS—CANNA ROOTS

Strong home grown, two or three eyes each, in perfect condition and strictly true to name.

	100	1000
HON. BENJ. F. HOWELL. 6 ft. The best yet. Similar to King Humbert in both flower and foliage but better. The color is more brilliant and the flowers are larger—foliage equally good in rich bronze color and make up. Now first offered	$10.00	
ALLEMANIA. 6 ft. Giant flowered; scarlet-salmon, edged yellow	2.00	
BLACK BEAUTY. 6 ft. Abundant, rich, glistening, bronzy-purple plum foliage	5.00	
COMPTE DE BOUCHARD. 4½ ft. Bright yellow and fine	2.50	$20.00
CRIMSON BEDDER. 3 ft. Bright crimson; very free and valuable	2.50	20.00
DAVID HARUM. 4 ft. Bronze foliage; bright vermilion flowers	2.50	20.00
EMILE WIELAND. 5 ft. Perhaps yields the most brilliant display of any Canna as yet produced. Vivid orange-scarlet flowers; extra fine Musa-like foliage	5.00	
FLORENCE VAUGHAN. 5 ft. Yellow much dotted with orange-scarlet	2.50	20.00
KING HUMBERT. 5 ft. Bronze foliage; enormous trusses of salmon-scarlet flowers. A grand variety	3.50	30.00
LITTLE GEM. 18 in. Orange scarlet gilt-edged flowers	6.00	
MRS. KATE GRAY. 6 ft. Orchids flowered; orange-scarlet with yellow throat	2.50	
MRS. WM. F. KASTING. 3 ft. Clear vivid crimson; early, free	3.50	
PENNSYLVANIA. 6 ft. Orchid-flowered; orange-scarlet flowers	2.50	
PRES. CARNOT. 4 ft. Bronze-leaved; orange-scarlet flowers	2.00	18.00
PRES. McKINLEY. 3 ft. Brilliant crimson with scarlet shadings	3.00	
SOUV. D'ANTOINE CROZY. 3½ ft. Bright crimson edged yellow	2.50	20.00
WEST GROVE. 3 ft. Large rich coral pink flowers	3.00	
WYOMING. 6 ft. Orchid-flowered; bronze-purple foliage, orange flowers	4.00	
YELLOW CROZY. 3½ ft. Pure yellow flowers; the best dwarf yellow	3.00	
ALL COLORS MIXED. Fine named varieties without labels	1.50	12.00

500 of a variety at 1000 rates. Packed free for cash with order.

J. T. LOVETT, - Little Silver, N. J.

Please mention the Exchange when writing.

OUR CATALOGUE

For 1910 has just been mailed our patrons

It is the most complete and comprehensive Catalogue of Chrysanthemums issued

MAILED FREE UPON REQUEST

ELMER D. SMITH & CO., Adrian, Mich.

Please mention the Exchange when writing.

Snow White Sport of Helen Frick

CHRYSANTHEMUM

Special certificate of merit at Maryland Horticultural Society last week.

Stock plants for immediate delivery.

Large plants, $3.00 per doz.
Small plants, 2.00 per doz.

CARNATION ALVINA, the only dark pink Carnation, $5.00 per 100; $45.00 per 1000.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing

CHRYSANTHEMUMS Stock Plants. Mrs. Kalb, Estelle, White Bonnaffon, Alice Byron, Angele Laurent, Deajouis, Glory of Pacific, Maude Dean, Pink Ivory, Rosette, Amorita, Major Bonnaffon, Cremo, Halliday, Yellow Jones, Golden Glow, Baby, 50c. per doz.; $4.00 per 100. Golden Eagle and Baby Margaret, $1.50 per doz.; $10.00 per 100.

WILLIAM SWAYNE, P. O. Box 215 **Kennett Square, Pa.**

Please mention the Exchange when writing

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, ST. ALBANS, ENGLAND

and 235 Broadway, Room 1, New York City

Please mention the Exchange when writing.

The Carnation Convention at Pittsburg

The Florists' Exchange issues of January 29, and February. 5, will be essentially Carnation Numbers. (See advertisement on editorial page.) Very many of our readers are equally interested with the disseminators in the behavior of all the leading varieties of Carnations on the market, and to these we extend a hearty invitation to send us in for publication a summary of their experience in 1909 and their suggestions for 1910—Write now while the mood is on you.

Please stop my advertisement in the "Exchange," as I am all sold out of Geraniums.

Very truly,
(Name and address on application.)

6 **CHRYSANTHEMUM NOVELTIES FOR 1910** 6

THE BIG SIX

Mrs. H. Stevens, Gladys Blackburn, W. Mease, Helty Wells, R.H. Felton, Wells' Late Pink; besides several others.

Large stock of indoor Grape Vines, 1 and 2 years old. Roses, Carnations etc. Send for list.

SCOTT BROS
Elmsford Nurseries
ELMSFORD, N. Y.

6 6

Please mention the Exchange when writing.

ORCHIDS

We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawrenceana, Gaskelliana, Dowiana and Percivaliana. Write to-day.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

Please mention the Exchange when writing

ORCHIDS

CATTLEYA Warneri, C. Harrisoniae, C. Gaskelliana, C. Gigas, Hardyana type; DENDROBIUM Phalenopsis, Schroederi; ODONTOGLOSSUM Luteo-purpureum, Sceptrum.

LAGER & HURRELL, Summit, N. J.

Please mention the Exchange when writing.

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants; also importations coming, which we offer at advantageous prices.

ORDONEZ BROS., 41 W. 28th St. New York, also Madison, N. J.

Please mention the Exchange when writing.

The Florists' Exchange is exclusively a Trade Paper. Prices at which stock is offered in these columns are intended for the Trade only.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By first-class designer, decorator and salesman; Eastern city. Address Box 178, Little Falls, N. J.

SITUATION WANTED—By grower, 5 years' experience in Roses, Carnations and general line of stock. Address, E. R., 144 Second ave., New York City.

SITUATION WANTED—By assistant greenhouse man, growing Roses, Carnations and general stock; good potter. Address X. L., care of The Florists' Exchange.

SITUATION WANTED—By florist for private place, aged 30, 13 years' experience on Roses, Carnations, Chrysanthemums, and outside work. Address, Box 131, New Rochelle, N. Y.

SITUATION WANTED—By Gardener and Florist. Swede, age 37, single, sober; a good worker, 20 years experience under glass and outside, private or commercial place. Address, W. I., care The Florists' Exchange.

SITUATION WANTED—A1 designer and decorator wants change of position. Able to manage store. First-class references. Address X. O., care of The Florists' Exchange.

SITUATION WANTED—Competent rose-grower wants to take care of section. State if private or commercial place and wages. Eastern city preferred. Address X. C., care of The Florists' Exchange.

SITUATION WANTED—By gardener and florist, single, German, aged 28; grower of Roses, Carnations, Chrysanthemums, Easter and bedding stock. Please state wages. Address X. A., care of The Florists' Exchange.

SITUATION WANTED—As foreman or manager on commercial place; growing for store trade or wholesale; best of references as to character and ability. Wages $1200.00 per year and house. Address, X. F., care of The Florists' Exchange.

SITUATION WANTED—By a first-class grower of cut flowers. Easter and bedding plants; competent to take charge of first-class place. Married man. References. Address, X. G., care of The Florists' Exchange.

SITUATION WANTED—By a young lady, as clerk or manageress in a flower store; has had ten years' experience, seven years as partner and three as sole proprietress; can give best of references. Address, X. M., care of The Florists' Exchange.

SITUATION WANTED—Gardener, single, 36 years of age, 20 years' experience in greenhouses and outdoor work, wishes position on private place; able to take charge; good references. Please state full particulars. Address, S. C., care of The Florists' Exchange.

SITUATION WANTED—By an assistant greenhouse man; three years' experience in vegetables and gardening; also some experience in greenhouse work; understands raising cold frame vegetables. References on hand. Address X. D., care of The Florists' Exchange.

SITUATION WANTED—As manager for gentleman's place, public institution, park, cemetery, etc.; practical experience in all branches. References first-class. Address with particulars to C. L., care Joseph Linfoot, 1015 East McMillan Street, Cincinnati, O.

SITUATION WANTED—As manager or working foreman on a private or commercial place near Philadelphia. Eleven years' experience in growing Roses, Carnations, Chrysanthemums, vegetables and bedding plants. Age, 28; married. References. State particulars. Open for engagement March 1, 1910. Address W. P., care of The Florists' Exchange.

SITUATION WANTED—By a German, experienced in Carnations, Chrysanthemums, pot and bedding plants, also vegetables under glass; good designer and decorator; thoroughly familiar with handling help. None other than large private place considered and position must be permanent. A. No. 1 references furnished. Address W. F., care The Florists' Echange.

SITUATIONS WANTED

SITUATION WANTED—By an experienced designer, decorator and florist; 10 years in his own business, able to handle anything. Salary $20.00 per week. Address, X. P., care of The Florists' Exchange.

SITUATION WANTED—By first-class, young married Hollander, no children; four years' American references and ten years' experience in different countries in Europe and East Indies; private situation preferred; experienced in landscape gardening and managing a private estate, also capable to manage an ornamental nursery. Eastern states preferred. Age 30. Address, X. H., care of The Florists' Exchange.

SITUATION WANTED—As foreman or manager in a commercial establishment by a man of unquestioned ability and who has had years of experience in the growing and selling of all greenhouse products; Roses, Carnations and Chrysanthemums a specialty; also Christmas and Easter plants and flowers; good on floral designs and the arrangement of flowers for all occasions; understands the management of help. A position of responsibility desired. Address, Livingston, care of The Florists' Exchange.

HELP WANTED

WANTED—Engineer or fireman for night duty. Apply, with references, to Frank Dolan, care John Young Co., Bedford Sta., N. Y.

WANTED—A greenhouse assistant, able to pot, water, and understands firing. Pole preferred. Wages $11.00 per week. Address, Geo. Stewart, Tuxedo, N. Y.

WANTED—Greenhouse assistant on commercial place; state wages wanted with board and room. Apply with references to George Allan, Princeton, N. J.

WANTED—Two assistant Rose growers in American Beauty houses. Apply, with references, to Frank Dolan, care John Young Co., Bedford Sta., N. Y.

WANTED—Porter and packer in a New York seed house. Send references and full particulars. Address X. J., care of The Florists' Exchange.

WANTED—A good all-round florist and grower of general bedding stock, Easter plants and Chrysanthemums. Good wages. Address X. P., care of The Florists' Exchange.

WANTED, MARCH 15, A NURSERYMAN

Of experience in packing and grading, and also a Herbaceous man. CHAS. R. FISH & CO., WORCESTER, MASS.

WANTED—Gardener to assist in greenhouses, growing all kinds of potted plants and commercial stock; state wages expected with board in first letter; send references. E. L. Riley, R. F. D. No. 2, Trenton, N. J.

WANTED—Young man for general greenhouse work; state experience and wages required. Permanent place, near New York. Address, X. N., care of The Florists' Exchange.

WANTED—Two gardeners, some experience in ornamental nursery stock, herbaceous plants and landscape work desired. Yonkers Nursery Company, Tuckahoe & Grassy Sprain Road, Yonkers, N. Y.

WANTED—Florist assistant, private place; must understand growing of Orchids, foliage plants and fruits under glass. Good wages to the right man. Protestant. State nationality. Address J. M., 1018 Market St., Philadelphia, Pa.

WANTED—A good all-round man in commercial place; central New York, about 15,000 feet of glass. One who can take charge if necessary. Address with references and wages wanted, X. K., care of The Florists' Exchange.

WANTED—To correspond with parties who are first-class planters of nursery stock; also with several good foresters capable of soliciting forestry and landscape work. Address Box 13, Fuller Building, Jersey City, N. J.

WANTED—At once, an assistant in our greenhouse department. One with some knowledge of Carnation growing preferred. Call or apply by letter, giving references. Address Cottage Gardens Co., Inc., Queens, Long Island, N. Y.

WANTED—Capable, hustling landscape gardener, sober and reliable, to assume full charge of landscape department of retail concern. Must be A1 in every respect and invest from $1500.00 to $2000.00. Address W. Q., care of The Florists' Exchange.

WANTED—At once, an assistant for private place with thorough knowledge of stove plants, Chrysanthemums, Carnations, flowering plants and with a general knowledge of Orchids. Must furnish references covering same. Philip H. Cox, Supt., Montclair, N. J.

WANTED—Thoroughly experienced man to take charge of our greenhouse and nursery department, who has had considerable business experience, and is able to handle 20 to 30 men. Must know all about greenhouse work, and considerable about growing nursery stock. A good position for the right party. Only first-class man need answer. State wages wanted, if married or single. Address The Livingston Seed Company, Columbus, O.

HELP WANTED

WANTED—A sober, willing worker and honest American citizen as assistant gardener; $12.00 to $14.00 per week. Steady position (but not for a drinker.) Aged 25 to 35. Address with references of former employers to X. B., care of The Florists' Exchange.

WANTED—Experienced landscape man to work in our city department; one who is capable of planting nursery stock, and able to work other men. Must be a salesman. Only first-class man need apply. State wages. Address, The Livingston Seed Company, Columbus, O.

WANTED—First-class salesman for nursery stock for private estates and landscape work. Must understand nursery stock thoroughly and have some knowledge of landscape gardening. Must have A No. 1 reference. Address, W. D., care The Florists' Exchange.

FERNWOOD NURSERY

WANTED—A nursery salesman; must have A No. 1 references and have knowledge of landscape work and be familiar with the variety and value of all evergreens. Apply by mail to the FERNWOOD NURSERY, Stamford, Conn. New York office: 50 West 30th Street.

WANTED—NEWSPAPER STAFF REPRESENTATIVE

A thoroughly trained gardener, experienced in all plants, a good, descriptive writer, with ability to face men, collect news and get advertising, is offered a permanent position on a horticultural paper; position involves a little traveling. No objection to a man of 50 if he is active on his feet and in good health. Give experience in full and state commencing salary desired. For full particulars address, C. B. A., care of The Florists' Exchange.

STOCK FOR SALE

CARNATIONS

CARNATIONS—Apple Blossom and Wanoka; strong rooted cuttings. Delivery, January 1. Wanoka Greenhouses, Barneveld, N. Y.

20,000 CARNATION CUTTINGS — Well rooted. Ready now. Write to Locust Street Greenhouses, Oxford, Pa. J. H. A. Hutchison, Proprietor.

CARNATION CUTTINGS.

Strong, clean and well rooted.

STANDARD VARIETIES

	Per 100	1000
Enchantress	$3.00	$25.00
Rose Pink Enchantress	3.00	26.00
Winsor	3.00	25.00
Winona	3.00	26.00
Afterglow	3.00	25.00
Lawson	3.00	26.00
Melody	3.00	26.00
White Perfection	3.00	25.00
White Enchantress	3.00	25.00
Queen Louise	2.50	20.00
Beacon	3.00	26.00
Victory	3.00	25.00
Variegated Lawson	3.00	25.00
M. A. Patten	2.60	20.00

NEW VARIETIES

Alma Ward	15.00	120.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Dorothy Gordon	10.00	76.00
Pink Delight	6.00	60.00
Apple Blossom	6.00	50.00
May Day	6.00	50.00
Georgia	6.00	50.00
Mrs. J. C. Vaughan	6.00	50.00

S. S. PENNOCK-MEEHAN CO., 1608-1620 Ludlow st., Philadelphia Pa.

CHRYSANTHEMUMS

CHRYSANTHEMUM STOCK PLANTS—Golden Glow, Pacific Supreme, White Cloud, October Frost, Early Snow, White Ivory, White Bonnaffon, 3c.; Merry Christmas and Dr. Enguehard, 4c.; Gloria, 10c. Stafford Floral Company, Stafford Springs, Conn.

ROOTED CUTTINGS OF FOLLOWING 'MUMS READY FROM JAN. 25 ON: GOLDEN GLOW, OCTOBER FROST, ROSIERE, MINNIE BAILEY, MONROVIA, etc., at 50c. per doz.; $3.00 per 100. No less than 50 at 100 rate. I. M. RAYNER, Greenport, N. Y.

CINERARIAS

EXTRA FINE CINERARIAS, 3 in. ready for 5 in. pots; Begonia gracilis luminosa in bloom ready for 4 in. pots; fine for Easter; 4c. each. Cash. F. J. Langenbach, Florist, Norwich, Conn.

CINERARIA hyb. nana, best strain from 4-in. pots, ready for shift, 3c. Primula Obconica, elegant plants from 4-in. pots, full of bud and bloom, 12½c. Hydrangea Otaksa and Thomas Hogg, all flowering crowns, 3 in., fine for pans, 5c.; 5 in. to 7 in., 10c. to 25c. each. 2000 Madame Salleroi Geraniums, r. c., $10.00 per 1000. Cash with order. Address, Jos. J. Sokol, New Haven, Conn.

GERANIUMS

GERANIUMS—S. A. Nutt, 2½ in., $2.00 per 100; E. J. Hill, 2½ in., $2.25 per 100. Cash with order. Address P. A. Peterson, Box 26, R. F. D. No. 1, Asbury Park, N. J.

STOCK FOR SALE

MISCELLANEOUS

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices. George Peters & Sons, Hempstead, N. Y.

BEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2¼-in. pots, $12.00 per 100, $110.00 per 1000. Bay and Box Trees, in all sizes, pyramid and standards. Write for list. Orchids, largest stock in the country. Ask for prices. Julius Roehrs Company, Rutherford, N. J.

FERNS AND ASPARAGUS

Boston, 3, 4 6 in. at 5c., 12c., and 35c.
Piersoni, 3, 4, 6 in. at 6c., 16c., and 40c.
Whitmani, 3, 4, 6 in. at 10c., 20c., and 50c.
Sprengeri, 2, 3, 4, 5 in., at 2c., 3c., 6c. and 12c.
Smilax, 3 in., 3c.
GEO. M. TODD, GREENSBORO, N. C.

AMOOR RIVER PRIVET—Great Bargain. This is fine, 2-year stock.
5-6 ft., $4.50 per 100, $40.00 per 1000.
4-5 ft. $4.00 per 100, $35.00 per 1000.
3-4 ft. $3.50 per 100, $30.00 per 1000.
Also 1-year stock.
2-3 ft. $2.50 per 100, $20.00 per 1000.
1-2 ft., $2.00 per 100, $15.00 per 1000.
GEO. M. TODD, GREENSBORO, N. C.

NURSERY STOCK—Elm, 3-4 feet, $3.50 per 100; 4-6 feet, $6.00; 6-8 feet, $12.00; 8-10 feet, $18.00. Ash, 6-8 feet, $12.00 per 100; 8-10 feet, $18.00 per 100. Maple (Soft), 3-4 feet, $3.50 per 100; 4-5 feet, $6.00 6-8 feet, $10.00; 8-10 feet, $18.00. Catalpa, 4-5 feet, $5.00 per 100; 6-8 feet, $10.00. White Birch, 8-10 feet, $28.00 per 100; 10-12 feet, $35.00. Wild Black Cherry, 8-10 feet, $28.00 per 100. Silver Leaf Poplar, 6-8 feet, $15.00 per 100; 8-10 feet, $25.00. Niobe Weeping Willow, 6-8 feet, $35.00; 8-10 feet, $40.00. German Iris, strong divisions, $3.00 per 100. Chrysanthemum Uliginosum, $3.00 per 100. Rudbeckia, Golden Glow, $3.00 per 100. Asparagus, two kinds, 1 yr., $3.00 per 100; 2 yr., $3.50 per 100. Pæonies, mixed, 3-6 eye divisions, $6.00 per 100. Pæonies, white, 3-5 eye divisions, $7.00 per 100. Pæonies, pink, 3-5 eye divisions, $6.00 per 100. Packing extra. The Newburys, Mitchell, S. D.

A GREAT SACRIFICE

Large quantities of shrubs, trees and vines that must be sold to close out an estate.

Catalpa speciosa. 1½ to 2 inches in diameter.	Per 100
Dogwood, White Flowering. 4 to 5 ft.	$15.00
5 to 6 ft.	20.00
6 to 8 ft.	30.00
Maple, Norway. 1½ to 2 in. and 2 to 3 in. in diameter.	
Plane, Oriental. 1 yr. old	3.00
4 to 6 ft.	6.00
Poplar, Lombardy. 6 to 8 ft.	10.00
8 to 10 ft.	16.00
10 to 12 ft.	30.00
Willow, Laurel Leaf. 6 to 8 ft.	15.00
8 to 10 ft.	20.00
Willow, Weeping, 6 to 8 ft.	16.00
Althea, to color. 1 yr., 12 to 18 inches	3.00
18 to 24 inches	4.00
2 to 3 ft.	5.00
Ampelopsis Veitchii. No. 1	6.00
$60.00 per 1000	
X size	9.00
XX size	12.00
Ampelopsis quinquefolia. Strong.	5.00
Clethra alnifolia. 2 to 3 ft.	6.00
3 to 4 ft.	7.00
Clematis paniculata. 2 yrs., No. 1	6.00
3 yrs., X size	7.50
Deutzia crenata. 5 to 6 ft.	6.00
gracilis. 18 to 24 inches	6.00
Lemoine. 2 to 3 ft., X size	6.00
Forsythia viridissima. 3 to 4 ft.	7.00
4 to 6 ft.	8.00
CALIFORNIA PRIVET	
12 to 18 inches, $10.00 per 1000	
18 to 24 inches, 15.00 per 1000	
2 to 3 ft., $20.00 per 1000	
3 to 4 ft., 3.50 per 100	
Ball Privet, 2 ft. high x 2½ ft. across, 50c. each; 2½ ft. high x 3 ft. across, 75c. each; small plants 25c. each. All trimmed in perfect ball shape.	
Standard Privet. 4 to 5 ft., 25c. each; 5 to 6 ft., 50c. each.	Per 100
Spirea, A. Waterer, 2 ft.	$6.00
aurea, 3 to 4 ft.	6.00
aurea, 4 to 5 ft.	8.00
Reevesi, 6 to 7 ft., X heavy	8.00
Van Houttei, 18 to 24 inches	3.00
2 to 3 ft.	4.00
3 to 4 ft.	6.00
4 to 5 ft., X fine	7.50
Tamarix, Africana, Indica and Japonica.	
3 to 4 ft.	5.00
4 to 5 ft.	6.00
Viburnum Opulus sterilis. 4 to 5 ft.	7.00
6 to 8 ft., heavy	10.00
Weigelas. 1 yr.	4.00
Weigela rosea, 3 to 4 ft.	7.50
variegata, 3 to 4 ft.	7.50
Wistaria, Purple. 1 yr.	5.00
2 yrs.	8.00
White. 2 yrs.	15.00
Yucca filamentosa. Extra heavy	6.00
American Arborvitae. 2 to 3 ft.	15.00
Norway Spruce. 2 to 3 ft.	20.00
Eulalia variegata and zebrina. Strong plants,	4.00
Pæonias in variety	6.00
Concord Grapes, 1 yr.	1.50
Currants, Fay's Prolific. 2 yrs.	4.00

THE McCOLGAN ESTATE, RED BANK, N. J.

We Pay The Freight on cut-flower and design boxes. See our price list on page 132, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.
Box 200 - - - Castorland, N.Y.

FOR SALE OR RENT

FOR SALE—Retail florist store and dwelling in Philadelphia's theatre district. Address, X. E., care of The Florists' Exchange.

FOR SALE—Cottage, house and barn and three acres of land. Good greenhouses, hen-house, fruit. Easy terms. Box 24, Milldale, Conn.

FOR SALE OR RENT—10,000 ft. of glass in No. 1 condition; also dwelling house. Houses are stocked with Carnations, Roses and potted plants. Steam heat. For information, inquire of W. D. Snell, Herkimer, N. Y.

FOR RENT

$50.00, 9-room, semi-detached house, Brooklyn; railroad facilities; acre of ground; German gardener or greenhouse man. Llwyngwair, 2 Wall St., N. Y.

FOR SALE OR RENT—Seven greenhouses stocked with Roses, Brides and Maids, in A1 condition. Two 18 x 160; one 38 x 162; four 12 x 160. Rent reasonable or price right. Inquire of Mrs. J. M. Lyons, 150 Park ave., Madison, N. J.

FOR SALE—One acre land, 3 greenhouses, about 7000 feet of glass, 75 hotbed sash, packing room, workshop and wagon shed; all located 1 mile from center of town. Population 9000. Must be sold on account of poor health; possession at once. Address Joseph Arnold, Florist, Tyrone, Pa.

FOR SALE OR RENT—Greenhouse, 2000 feet of glass, 100 hotbed sash, 20 or 50 acres of rich land, 6 room house, potting shed, tool house, large barn, root cellar, wagon sheds and other buildings; opposite R. R. Station; 18 miles from New York, 7 miles from Newark, N. J. Place in A1 condition. Address, C. Hornecker, Box 31, Springfield, N. J.

FOR SALE
STORE AND RETAIL BUSINESS IN ROCHESTER, N. Y.

Store located on one of the busiest thoroughfares of this city, connected with a hotel and directly opposite the largest and finest hotel between New York and Buffalo, also within stone's throw of two of the best theatres in town. Excellent opportunity. Ill health reason for selling. For further particulars, address, GEORGE B. HART, 24 Stone St., Rochester, N. Y.

SACRIFICE

SACRIFICE—$3,000 cash will buy a first-class store and good will, doing a business from $14,000 to $16,000 a year and will certainly return purchase to buyer the first season; excellent references from growers and wholesalers; established 11 years; retiring only on account of ill health.

GEO. VLACHOS
536 Columbus Ave., New York City

For Sale
Store and Retail Business

A fully equipped and only store in town of 15,000 in New York State, the entire good will and an established business for more than 15 years. Business now $8,000 to $10,000 per year and can be much increased by a good, live man. On account of poor health am willing to sell at a sacrifice and $3000 will buy it. If you mean business, address,

C. B. F., Care The Florists' Exchange

Please mention the Exchange when writing.

For Sale
WESTERN NURSERY

Forty acres of deeded and 40 acres of leased land. Stock all salable size; clean and healthy; not a scale or bug. Trade has almost doubled each year. We ship 5 to 12 hundred miles west and north of us. Trade to be supplied unlimited. We have a complete general line of nursery stock. We do a strict catalog business. Are well advertised and have a good name.

Will sell for cash, or part cash and time on balance to a man that knows the business and is a pusher. This is a good sound investment and will pay a good dividend.

Address
NURSERYMAN,
Care of THE FLORISTS' EXCHANGE

Please mention the Exchange when writing.

If in need of a good situation—Advertise in our "Want" columns.

SUNDRIES FOR SALE

FOR SALE—Three greenhouses at No. 416 Elm Street, Pittsfield, Mass. Glazed with 16x24 A double thick glass; heated with one large 8-section Furman boiler, 2-in. pipe. The drip bars and other material are all of Cypress—just like new. We will sell all or any part of same. Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

FOR SALE—600 boxes 12x20 and 12x16 double thick glass; lot hotbed sash, 15,000 feet of 1-in., 6000 feet of 2-in. and 1½-in., 4000 feet 4-in. Hitchings pipe; 1400 feet ventilating apparatus; 2 Erie locomotive boilers, one No. 6 Lord & Burnham and one No. 17 Hitchings, 2 years old; everything in first-class condition; 10 greenhouses, 20 x 110; complete or in single lots, very cheap. Inspect S. C. Nash Roseries, Clifton, N. J., or inquire Suessermann, 229 Livingston Street, Newark, N. J.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED TO LEASE—A greenhouse establishment containing from 15,000 to 30,000 sq. ft. of glass, good condition, in vicinity of Philadelphia. Address the Philadelphia office of this paper, 34 So. 16th Street, Philadelphia, Pa. (A. H. Secker, Rep.)

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Please mention the Exchange when writing.

North Shore Hort. Society

At the regular meeting of this Society, on January 21, C. H. Totty will give a talk on Chrysanthemums. J. W. D.

Dayton (O.) Florists' Club

The Dayton Florists' Club held a meeting at the store of J. F. Young, 37 East Fifth street, Monday night, January 10, when a committee was appointed to arrange for a banquet next month. There was also some talk of a floral show to be held in the city, but nothing definite came of it and the plan will likely be abandoned. The next meeting will be held the first Monday in February.

Florists and Gardeners' Club of R. I.

The Florists and Gardeners' Club of Rhode Island held its thirteenth annual banquet at the Westminster Hotel, Providence, on January 17. The meeting was called to order at 8 o'clock p.m. The brothers present seemed to be ready to eat rather than engage in the business affairs of the Club, and business, therefore, was closed after a short session. After the members, with invited guests, were seated at the table, which was loaded with all the good things of all the cultures that could be devised by the fertile brain of man, with the assistance of the soil and natural conditions, Ex-president Michael Sweeney, in years our oldest member, was introduced as toastmaster for the evening. After a few facetious remarks—original of course—the lid was off. The entertainment was interspersed with vocal and instrumental music, well rendered and enjoyed. Prof. H. J. Wheeler of Kingston College, R. I., spoke at length of different types of vegetation suitable to the New England climate, and proffered the idea that the natural resources of New England had been somewhat neglected compared with some other States. The retiring president was then presented with a gold mounted fountain pen suitably inscribed—Charles S. Macnair responded in a very pleasant manner, his facial expressions giving evidence of his appreciation and pleasure.

President-elect Robert Johnston was then introduced as the "master flower," who responded in very fitting words to the pleasant introduction. Mr. Morris, manager of the hotel, gave several impersonations; the one that appealed to the florists might be classed in the category with the "Legend of the Rose" which was apropos.

Only four of the founders of the Club were present: Wm. H. Mason, James B. Canning, Wm. Appleton and Wm. E. Chappell. Every one present had a chance to ventilate himself and no guilty man escaped the eye of Michael. There was a goodly number present and the affair was a success from every standpoint. The tables were decorated by Vice-president Appleton with Palms and cut flowers. The committee in charge were Eugene Appleton, Alex. Macrae, and Harry Clark. Indications of good intentions were displayed, as the secretary was kept busy in receiving money for dues, past and present.

S. F. L.

G. & F. Club of Boston

The regular monthly meeting of the Club was held on Tuesday evening, January 18, with about 150 members, and a number of ladies present. It was installation night and after the opening by president Downs he gracefully handed the gavel to President John W. Duncan, who thanked the members for the honor conferred upon him and said that he had been highly pleased with the work of the Club in the past decade, as when he first became a member the usual attendance was about a dozen, as against an average last year of 162. Short addresses were also made by the other officers, excepting Vice-president Miller and Treasurer Hatch, each of whom were on the sick list and unable to be present. Nine new members were elected, and E. H. Wilson, the noted traveler in China, was proposed for honorary membership. Mr. Wilson was the lecturer of the evening and he gave the members a very interesting and instructive talk on the wild country where he had spent so much time, and illustrated his talk with an excellent lot of stereopticon views.

The president appointed the following committees: Exhibits, J. F. Flood, chairman, W. C. Rust, J. L. Miller, Martin Sullivan, Wm. Sim, Geo. Shields, S. J. Goddard and Albert Bateley; entertainment, P. J. Turley, chairman, C. J. Harvey, W. D. Nickerson, Frank Murray and William McGillivray.

It was announced that at the next meeting, which would be Carnation night, S. J. Goddard would be the lecturer.

On the exhibition tables were a lot of fine exhibits, including some splendid Cypripediums from Duncan Finlayson and also a fine plant of Lælia anceps alba, for which he was awarded a cultural report of merit. Carnation Shasta from Patten & Co. was awarded a report of merit. This fine white variety is indeed a good one. Carnations Sangamo and Admiration were shown by S. J. Reuter & Son, the latter variety showing up fine and receiving the first award of the Club—honorable mention. Littlefield & Wyman showed a white seedling which received honorable mention. Other exhibits were Roses from E. Holmes, Carnations and Freesias from H. A. Stevens, and Freesia Purity from Daniel Whyte. The Club banquet will be held on January 27, and a large attendance is assured.

J. W. DUNCAN.

Massachusetts Horticultural Society

President Wild has appointed J. A. Pettigrew, W. N. Craig and Robert Cameron, members of the local committee of the S. A. F. 1911 National Flower Show. J. W. D.

FOR SALE

FLORISTS' ICE BOX 8 ft. x 8 ft., two upper doors, bevelled French mirrors, two lower doors, double thick glass, second-hand but in good condition, $36.00.

RADIATORS Steam, 1½c. per lb.; hot water, 2c. per lb. Guaranteed. All sizes in stock.

BOILERS The following new, round, portable hot-water boilers—guaranteed, 16-in., rated to heat 1,125 sq. ft. of glass, $34.00. 19-in., rated to heat 1,600 sq. ft. of glass, $46.00. 22-in., rated to heat 2,250 sq. ft. of glass, $64.00. 25-in., rated to heat 2,075 sq. ft. of glass, $90.00. Get our prices on second-hand boilers. We have one of the largest stocks of new and second-hand round and sectional hot-water and steam boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

STOCKS AND DIES New; "Economy," guar. No. 1, threads ⅛, ¾ and 1 in., $2.50. No. 2, threads 1¼, 1½ and 2-in., $4.00. No. 2, New "Armstrong" adjustable, threading 1¼, 1½ and 2-in., $5.25.

PIPE VISES New, guar., hinged, capacity ⅛ to 2½ in., $1.25. No. 2, capacity ¼ to 3½ in., $1.80.

PIPE CUTTERS New, guar. Saunders pat. No. 1, cuts from ⅛ to 1 in., 90c. No. 2, cuts 1 to 2 in., $1.25.

STILLSON WRENCHES New, guar. 18 in., capacity 2 in., $1.20. 24 in., capacity 2½-in., $1.80. Flat chain wrenches, No. 3, capacity ¾ to 6 in., $3.86.

GARDEN HOSE In lengths up to 500 ft., with couplings. 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete. $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES. All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. to the box, 8x10, 10x12 and 10x16 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

ALTERNANTHERA, Red

Extra strong rooted cuttings, 50c. per 100, $4.00 per 1000

The H. Weber & Sons Co.
Oakland, Md.

Please mention the Exchange when writing.

Carnation Cuttings FOR SALE

I HAVE fifty thousand fine, strong, healthy, well, rooted **Carnation Cuttings** ready now **Georgia, Winona, White Enchantress, Pink Enchantress, White Perfection, Melody, Splendor, Queen Louise, Boston Market, Lawson, Variegated Lawson, Winsor Maceo.** $15.00 per 1000, 250 at thousand rate; from soil, $18.00 per 1000. These cuttings are as nice as any you can buy at $25.00 per 1000.

ARTHUR COOMBS, FLORIST, WEST HARTFORD, CONN.

Please mention the Exchange when writing.

CALIFORNIA PRIVET

3 to 4 ft., heavy selected, $4.00 per 100, $35.00 per 1000. 2½ to 3½ ft., 6 or more branches, strong, $3.00 per 100, $25.00 per 1000. Fine 1 year, 18 to 24 inches, branched, $1.50 per 100, $10.00 per 1000. 12 to 18 inches, $1.25 per 100, $8.00 per 1000. 8 to 15 inches, light, $5.00 per 1000. Amoor River, 2 to 3 ft., well branched, $3.00 per 100. Packed free of charges.

CHARLES BLACK - Hightstown, N. J

Please mention the Exchange when writing.

The book of WATER GARDENING
By Peter Bisset. Price, postpaid, $2.50
A. T. DE LA MARE PTG. & PUB. CO. Ltd
2 Duane St. New York.

PALMS And Other Seasonable Stock

We have an extra good stock of **Forsteriana**, made up, three plants in a pot or tub, all clean, perfect plants. (We need to reduce our Palm stock, and are giving extra values.

7 in. pots, 3 plants in a pot, 40 to 44 in. high, $4.00 each
8 " 3 " " 44 to 48 " 5.00 "

Single plants **Kentia Forsteriana**,
7 in. pots, 6 to 7 leaves, 36 to 40 in high, $2.50 each
8 " 6 to 7 " 40 to 44 " 3.50 "

(Full line of sizes of both **Forsteriana** and **Belmoreana** in Price List No. 5, just out. Send for it, if you do not receive it.)

Genista Racemosa, 5 in. pot plants, bushy, $3.50 per doz., $25.00 per 100.

Rhododendrons, 18 in. plants with 8 to 12 buds, $9.00 per doz.
" " 24 " " 12 to 15 " 12.00 "

Azalea Mollis, 12 to 15 in. high, full of buds, $30.00 per 100.
" " 15 to 18 " very bushy, full of buds, $35.00 per 100.

Bougainvillea Glabra Sanderiana, 5 in., well shaped, bushy plants, $3.00 per doz.

Asparagus Sprengeri, 2 in., $2.50 per 100, $20.00 per 1000.

Boxwood, fine bush-plants, 12 in. high, $3.00 per doz., $20.00 per 100.

Fuchsias, assorted in 6 best varieties, $3.00 per 100, $25.00 per 1000. Little Beauty, $4.00 per 100, $35.00 per 1000.

THE STORRS & HARRISON CO., PAINESVILLE OHIO

Please mention the Exchange when writing.

Bay Trees, Box Trees, Evergreens, Palms, Crotons and Stove Plants

Ferns, Aspidistras, Araucarias,
PHOENIX CANARIENSIS

Large Oleanders and many other plants

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS
From 3-in. pots, $5.00 per 100; from 2¼-in. pots, $3.00 per 100.

POINSETTIAS
3-in. pots, $1.50 per doz., $12.00 per 100.

ASPARAGUS SPRENGERI
From 3-in. pots, $5.00 per 100.

DRACAENA INDIVISA
4-in., $12.00 per 100; 3-in., $8.00 per 100.

MISCELLANEOUS

ABUTILON Savitzi. 2¼-in. pots, $4.00 per 100.

AMPELOPSIS Veitchii. Pot grown, $3.00 per 100.

ACHYRANTHES. Best varieties, $1.00 per 100, $8.00 per 1000.

AGERATUM. Blue and white, $1.00 per 100, $8.00 per 1000.

CANNAS, Dormant Tubers, $2.00 and $3.00 per 100.

CHRYSANTHEMUMS, 60 fine varieties, Rooted Cuttings, $1.50 and $2.00 per 100.

COLEUS. Bedding and fancy varieties, $1.00 per 100, $8.00 per 1000.

CUPHEA platycentra. $1.25 per 100.

BEGONIA Erfordi. Pink and white, $2.00 per 100; Crimson Bedder, $2.00 per 100.

FEVERFEW, The Gem. $1.50 per 100, $12.00 per 1000.

FUCHSIAS. Double and single, $2.00 per 100.

GERANIUMS. Double and single, $1.50 per 100; $14.00 per 1000.

GERANIUMS, Ivy-leaved, 2¼-in. pots, $3.00 per 100.

GERMAN IVY. $1.50 per 100.

HELIOTROPE. 8 best varieties, $1.25 per 100.

LANTANAS, 2¼-in. pots, $3.00 per 100.

LOBELIA. New double blue, $2.00 per 100.

MOONFLOWER (True). White, $2.00 per 100; $15.00 per 1000.

SALVIA. New varieties, $1.50 per 100; $12.00 per 1000. Splendens and Clara Bedman, $1.25 per 100; $10.00 per 1000.

VERBENAS. Mammoth set, unsurpassed, $1.00 per 100; $8.00 per 1000.

WOOD BROTHERS, FISHKILL, NEW YORK

PALMS, FERNS
and
Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

Please mention the Exchange when writing.

The Carnation Convention at Pittsburg

The Florists' Exchange issues of January 29, and February. 5, will be essentially Carnation Numbers. (See advertisement on editorial page.) Very many of our readers are equally interested with the disseminators in the behavior of all the leading varieties of Carnations on the market, and to these we extend a hearty invitation to send us in for publication a summary of their experience in 1909 and their suggestions for 1910—Write now while the mood is on you.

We offer our immense stock of Flowering and Decorative Plants at most Reasonable Prices

PANDANUS Veitchii. 5-inch, 50c. each, $6.00 per doz.; better, 5-in., 75c. each, $9.00 per doz.; 6-in., $1.00 and $1.25 each; 7-in., $1.50 and $2.00 each.
ASPIDISTRA Variegated. 5½-in., 75c. each; 6-inch, $1.00 each; 7-in., $1.50 each.
ARAUCARIA excelsa. 5½ and 6-in., $9.00 per doz.; 6-in., larger, $12.00 per doz.; 6½-in., $15.00 per doz.; 7-in., $2.00 each.
glauca. 5-in., $1.00 each, 5½-in., $1.50 each.
BOXWOOD, Pyramids. Fine shapes, from $3.00 to $10.00 a pair.
BOXWOOD, Standards. $2.00, $3.00, and $4.00 a pair.
FERNS, Boston, Piersoni, Whitmani, Scholzeli, Scottii, in all sizes; 7-in. pans, $1.00; 8-in., $1.50; 9-in., $2.00 each.
FICUS elastica. Large-leaved, very fine plants. Single, 6 and 6½-in., $6.00, $7.00 and $9.00 per doz. **Branched,** 6½-in., $9.00 per doz; 7-in., $12.00 per doz.; 2 in an 8-in. pot, $18.00 per doz. Combinations, 9 and 10-in. pots, 3 in a pot, $2.50; 4 in a pot, $3.00 each.
PANDANUS utilis. Green. 8-in. pots and tubs, $2.00 each. Very fine.
DRACAENA Massangeana. 6, 6½ and 7-in. pots, $1.00, $1.25 and $1.50 each.
D. striata. New. 6-in. pots, $1.50 each.
D. gracilis. 3½ and 4-in., $3.00 and $4.00 per doz.; 6-in. pots, $1.00 each.
D. Lindeni. 6 and 6½-in. pots, $1.00 and $1.25 each.
D. fragrans. 5½-in., $6.00 per doz.; 6-in., $9.00 and $12.00 per doz.; 7-in., $18.00 per doz.; 8-in., $24.00 per doz.
D. Veitchii superba. 7-in., $1.00 each.
D. indivisa. 4, 4½, 5, 6 and 7-in. pots, $2.00, $3.00, $4.00, $5.00 and $6.00 per doz.
PHOENIX Canariensis. 7, 8, 9 and 10-in. pots, $4.00, $6.00, $10.00 and $12.00 a pair.
PHOENIX Roebelini. 3½-in., $4.00 per doz.; 4-inch, $6.00 per doz.; 4½-inch, $9.00 per doz.; 5½-in., $12.00 per doz.; 6-in., $18.00 per doz.

KENTIA Belmoreana and **Forsteriana.** Combinations, $8.00, $9.00, $10.00, $11.00, $12.00, $13.00, $14.00 each up to $18.00.
RHAPIS humilis. 7, 8 and 9-in. pots, $1.50 to $5.00 each.
RHAPIS flabelliformis. 6½ and 7-in., $1.50 and $2.00 each.
CYCAS revoluta. 6½, 7, 8 and 9-in. pots, from 50c. to $1.50 each. Very fine dark green foliage.
LILAC. White and Blue, in bloom. $1.60, $2.00, $2.50 and $3.00 each.
CAMELLIAS Chandleri, pink; Campbell, red. Loaded with flowering buds and bloom. Very fine for Easter. 6½-in., $1.25 and $1.50 each; larger, $1.75 and $2.00 each. Combinations, $3, $4 and $5.00 each.
ENGLISH DAISY. In bloom. 5½ and 6-in. pots, $6.00 per doz.; 6½-in. pots, $9.00 per doz.
ORANGES. Citrus Sinensis. Very fine. 7-in. pans, $1.50 and $2.00 each. Full of fruit.

Young stock for growing on

ERICA regerminans. One-year-old. $8.00 per 100.
ERICA fragrans, $15.00 per 100.
BOSTON FERNS. From 2½ and 3-in. pots, $5.00 per 100.
Scholzeli. 2½ and 3-in. pots, $6.00 per 100.
Whitmani. 2½ and 3-in. pots, $5.00 per 100.
AZALEAS. In bloom. 75c. to $3.00 each.
V. der Cruyessen, Empress of India, Niobe, etc.
HYACINTHS in bloom. Doz. $2.00.
TULIPS in pans. 35c., 50c., 75c. and $1.00 each.
LILIUM longiflorum. Timed for Easter. Single stem, $35.00 per 100 pots; 2 stems, $50.00 per 100 pots. This offer is good to February 1.

Cash with order, please.

All goods must travel at purchaser's risk; charges for packing at actual cost of material.

ANTON SCHULTHEIS

316, 19th Street, COLLEGE POINT, L. I., N. Y.

Please mention the Exchange when writing.

Indianapolis

The State Florists' Association of Indiana, at the annual meeting in the Commercial Club Rooms, Jan. 11, re-elected the same officers for the ensuing year. The names of the present and re-elected officers are as follows: President, J. S. Stuart of Anderson, Ind.; vice-president, Herman Junge; treasurer, Homer Wiegand; secretary, A. F. J. Baur.

A very creditable display of Carnations was made and passed upon, as hereinafter mentioned:

Four vases, including Enchantress, Lawson, White Enchantress and an assortment of varieties, Stuart and Haugh, Anderson, Ind. Hon. mention.

Vase of seedling Carnations by Henry Rieman. Hon. mention.

Vase of Shasta by Baur & Smith. Hon. mention.

Vase of red seedling, No. 271, Baur & Smith. Scored 82.

Vase of Rose Pink, Baur & Smith. Hon. mention.

Vase of Jardine Roses and vase of May Day Carnations, Frank & Sons, Portland, Ind. Hon. mention.

It was decided at the meeting that no Spring show be held this year, as contemplated, but that a Fall show should be discussed at the next month's gathering.

The luncheon served was unusually fine and a most pleasant social evening was enjoyed by all.

Among the out of town visitors were: Messrs. Stuart and Haugh of Anderson; Fred Dorner, Jr., of Lafayette; Mr. Barnaby of Columbus; Mr. Gause of Richmond; Mr. Geno of Martinsville; Mr. Kelly of Franklin; Mr. Frank of Portland.

The meeting of the National Rose Society, in 1912, in Indianapolis, was a theme popular with all in attendance. It was the sense of the meeting that a special invitation be extended that body to come to this city two years hence.

C. Chandler Taylor of Louisville, Ky., visited the trade this week.

Mr. Ed. Rankin of Broadripple, is sending good Callas to this market.

Mr. and Mrs. John Bertermann will be among the Indianapolis delegation to Pittsburg. I. B.

NEW HAVEN, CONN.—William H. Ayling of 761 Whitney ave., this city, a landscape gardener and a specialist in forestry, is the first man, under the new law, to be appointed as City Forester of New Haven. The position carries a salary of $1000 a year. His duties will be to care for the city's trees.

AZALEAS IN BLOOM

AZALEA Indica, in bloom, for New Year, Mme. Petrich, Simon Mardner, Deutsche Perle, Vervaeneana, 75c., $1.00, $1.25.
Other varieties for Easter: **Bernard Andrea alba** and **Niobe** (double white); have only extra large plants of this variety, 16, 18, 20, 22 in., $1.00, $1.60, to $2.00 each. **Mme. Van der Cruyssen, Simon Mardner, Vervaeneana, Deutsche Perle, Prof. Wolters, Helena Tellman, Apollo, Empress of India, Schreveriana** and other well-known American varieties. Price, 60c., 75c., $1.00, $1.25, $1.50 to $2.00 each. We don't carry any cheap Azaleas, only first-class.
COCOS Weddeliana, 3-in., 12 to 16 in. high, 16c. to 18c.
ARECA lutescens, 6-in., 36c.
LATANIA Borbonica, 4-in., 20c.
NEPHROLEPIS Whitmani, N. Todeoides, 5-5½-6 in. pots, 35c., 40c. and 50c. each; 7-in., as big as a washtub, 75c. to $1.00 each. Two houses full. All pot grown.
ENTIA Forsteriana, 7-in. pots, single, 40-45-50 in. high, $2.00, $2.50 to $3.00; 6-in. pots, single, 25-30-35 in. high, $1.00, $1.25, $1.50 to $1.75.
KENTIA Belmoreana, 4-in., 25c.
PTERIS Victoriae, (Silver Fern). **P. Wimsetti,** 6-in. pans, 3 ferns in a pan, very attractive, 30c. per pan. **P. Wilsoni,** 3-in., 10c.; 6-in., 3 plants in a pan, 35c.

GODFREY ASCHMANN

1012 W. ONTARIO ST. PHILADELPHIA, PA.

Please mention the Exchange when writing

For Easter, 1910

Our Blooming stock for Easter will consist of **Azaleas, Lilies, Hydrangeas, White** and **Crimson Ramblers, Souperts, Hermosa, Cyclamen, Primroses, Cinerarias.** Bulb Stock: We will have **Paper Whites, Double Von Sion, Single Ajax Hyacinths** in all colors.

FERNS

We have an extra large stock of **Bostons, Whitmani, Amerpohli, Sprengeri, Plumosus,** that we should like to write to you about. We are crowded for the room and can give you extra good bargains for cash.

Plants for Easter bloom can be shipped any time.

GEO. A. KUHL, Wholesale Grower PEKIN, ILL.

Catalogs Received

DEPOSIT SEED CO., Deposit, N. Y.—General Catalog of Vegetable and Flower Seeds.

FRIEDR. C. POMRENCKE, Altona, Hamburg, Germany.—1910 Price List of Seeds and Bulbs.

W. W. RAWSON & CO., Boston, Mass.—Leaflet, "Description of Rawson's Sweet Pea Culture for 1910."

J. J. FREDMAN CO., 285 Metropolitan ave., Brooklyn, N. Y.—Price List of Insecticides, Fertilizers, Tobacco Specialties, etc.

PERRY'S HARDY PLANT FARM, Enfield, Middlesex, England.—Perry's Special List of Delphiniums; Perry's List of Perennial Seeds; and Special Offer of Japanese Lilies, and other stock.

HENRY SAXTON ADAMS, Wellesley, Mass.—Adams' Little Green Book for the Garden. A handy little price list, 3¼x6 ins., covering the "best" Flower and Vegetable Seeds, Bulbs and Roots for a successful garden. Printed on heavy paper stock and well illustrated.

H. H. BERGER & CO., New York.—Trade Price List for Spring and Summer of 1910, containing a carefully selected list of Summer Flowering Bulbs and Tubers for Spring Planting, a selected list of Flower Seeds, Farm Seeds, Fern spores and a Plant Department.

FORD SEED CO., Ravenna, O.—A 56 page catalog descriptive of "Ford's Sound Seeds." Both Vegetable and Flower Seeds are listed, and among the varieties are several of the company's specialties. The catalog is profusely illustrated, and appears within red covers.

W. ATLEE BURPEE & CO. ,Philadelphia.—Wholesale Catalog, for Seedsmen and Dealers, of "Burpee's Seeds that Grow." This publication is supplementary to the firm's retail catalog recently issued, and contains, beside wholesale prices, a very complete telegraph code. Illustrated.

J. M. THORBURN & CO., 33 Barclay st., New York.—Trade Price List covering Vegetable, Flower, Grass, Tree and Shrub Seeds, Bulbs for Spring Planting, Miscellaneous Bulbs and Roots, Garden and Greenhouse Tools and Supplies. The publication contains 56 pages and is bound in brown paper covers. A handsome embossed color plate showing the new Eschscholtzia Thorburni is sent out with the List.

THE LIVINGSTON SEED CO., Columbus, O.—"Tomato Facts," a handsome little 24 page brochure containing much information of interest to Tomato growers, and incidentally describing the Livingston specialties. The publication is printed on heavy plate paper in purple ink on a buff ground, and appears in covers bearing an excellent design, in four colors, showing Tomato fruit, vines and flowers.

ARTHUR COWEE, Berlin, N. Y.—Gladiolus: "The Flower Superb." Not a large catalog, by any means, as these go today; only twenty pages and cover. But the subject is well covered, and the maker's object fulfilled. It's a bright, snappy production, a booklet that will be studied from cover to cover, and this, we take it, is the first consideration in the making of catalogs. Seven pictures interspersed throughout the pages, showing spikes of Blue Jay, Peace, La Luna, Victory and Dawn in their natural colors, a two-page color plate of Cowee's Dollar Collection, and many black and white illustrations all perform their part in enlivening the descriptive matter.

JAMES J. H. GREGORY & SON, Marblehead, Mass.—Catalog for 1910 of "Gregory's Honest Seeds." The publication opens with a greeting by the venerable head of the firm, who mentions that at the age of 82 he is enjoying vigorous health. As in many other seedsmen's catalogs there is a novelty section in this case embracing eight pages. Several floral novelties are described, among them some new double Petunias called the Marvelous; and Solanum Commersonii, a new variety of delicate lavender shade. Besides Vegetable and Flower Seeds, selections of the book are devoted to Summer Flowering Vines, Bulbs and Roots. Shrubs and Plants; Bedding and House Plants, Roses, Small Fruits, Implements, Fertilizers and Garden Requisites. The publication contains 80 pages, and appears within red covers, the front page bearing an illustration of a Squash on which is the legend "Gregory's Honest Seeds."

M. BRUNJES & SON, Brooklyn, N. Y.—1910 Catalog of Seeds, Bulbs and Garden Tools. This Brooklyn seed house has been rapidly forcing its way to the front of late years and has issued for its patrons, this year of 1910, a thoroughly well compiled and handsome catalog printed in the most modern style, from which it follows that this firm is in splendid position to satisfy an exacting trade. The catalog is quite a large one, consisting of 76 pages and cover, and the contents list a full line of Vegetables and Flowering Seeds, Vegetable Plants and Roots, Flowering Plants, Field Corn, Grass Seeds and Miscellaneous Farm Seeds. Bulbs and Roots for Summer Plants are extensively listed, while Insecticides, Fertilizers, Garden and Farm Tools and Sundries, are shown in very complete lines. The covers are in green and black and somewhat of a departure from those of other houses. The front cover shows a realistic reproduction of Sweet Corn (Long Island Beauty), considered by many as the best of the second early sorts. The back cover design shows a dish of "Cool and Crisp" Cucumbers, looking as natural as life. Vegetable Seed Novelties and Specialties occupy four pages at the beginning of the catalog.

JAMES VICK'S SONS, Rochester, N. Y.—Vick's Garden & Floral Guide for 1910. A 96-page catalog of Vegetable and Flower Seeds, Hardy Plants and Bulbs, Hardy Shrubs, Climbers, Roses, Tender Plants and Bulbs, Small Fruits, Fruit and Ornamental Trees, and Garden Supplies. In the Vegetable section a colored insert carries an announcement of prizes amounting to $1040 for the best exhibits of eight of the firm's specialties at the New York State Fair. In the Flower Seed section prominence is, very naturally, given to Asters, among which are several of the firm's own specialties. Vick's Mikado Pink Rochester is the leader, a type which has been selected by the Rochester Board of Trade as the emblematic form for the Aster, as chosen by the Chamber of Commerce to be the city's representative flower. Vick's Comet, Early Snowdrift, Violet King, Rose King and Royal Purple are others prominently featured. Announcement is also made of the distribution of $200 in prizes at the New York State Fair, for the best exhibits of Asters grown from Vick's Quality Aster seed. The publication appears in covers handsomely lithographed in colors, the front cover bearing representations of Onion specialties, and the rear cover a quartette of Vick Asters.

J. M. THORBURN & CO., New York.—109th Annual Catalog of High Grade Seeds for 1910. The growing tendency to distinctiveness in catalogs is well demonstrated in this particular one, as the Thorburn "hall mark" is to be noted on its every page. This might be better expressed by a simplified statement, making known the fact that all the distinctive features shown in former catalogs are preserved in this; namely, use of large type, large, distinctive illustrations, with cultural notes prefacing every vegetable and flower seed chapter, and a most careful arrangement pervading the whole. Where all is so well expressed it is hard to comment on any one feature as surpassing another. Pages 4 to 9 describe and list novelties and specialties in vegetable and flower seeds. In this catalog the general list of flower seeds, giving the time of flowering, hardiness and duration, color of flower, height in feet and general observations, will be found particularly valuable for ready reference. Summer flowering bulbs and roots are listed, and a very complete list of insecticides, high grade fertilizers, tools and implements are given in the closing part of this book of 144 pages. While the front cover is in plain embossed lettering, the back cover shows a most beautiful design, embossed in colors, of an Eschscholtzia Thorburni.

BURNETT BROS., New York.—Seeds, Bulbs and Plants, Spring, 1910. This is an 80-page and cover production, the quality of the work on which is fully equal to any catalog which has come to the desk this year. A splendid quality of paper has been used, the illustrations are clean, in plenty and well selected, and the type is large and easily read. This work contains a full selection of best grown Flower Seeds, Farm and Sundry Seeds, Bulbs and Roots, Plants, Tools, Fertilizers and Sundries; everything, in short, that is requisite for the garden. We notice among the novelties a very fine illustration, accompanied with the description, of Burnett's new Tomato "Liberty," described as a wonderful and striking novelty; Burnett's new Cabbage "Bass Rock," Burnett's "North Pole" Cucumber and Burnett's Pepper "Monarch." The front cover shows embossed letters in gold on a green background, a simple but nevertheless effective rendering. The back cover is handsome enough to frame. It represents a large, modern country mansion, with hip roof and many gables and chimneys, surrounded at rear and to the right by large shade trees and in the front are grouped small evergreens in close proximity to the dwelling; a noble lawn, the result of the skillful use of Burnett's Special Lawn Grass Seed, gives the finish to a most artistic picture.

BRIDGEMAN'S SEED WAREHOUSE, RICKARDS BROS., Proprietors, New York.—Spring, 1910. The standard of Seed Trade Catalog production continues to be raised several notches each year, and the firms which drop behind in this endeavor are few in number. The catalog under review is certainly a decided improvement over its predecessor, good as was that one. Several novelties are shown in the opening pages among which we notice in Cauliflower, Rickards Bros.' "Ball of Snow" and "General Crop;" in Cucumbers, Rickards Bros.' "Invincible Frame;" in Lettuce, Rickards Bros.' "New Head;" in Mushmelons, Rickards Bros.' forcing Mushmelon "Elite;" in Tomatoes, Rickards Bros.' "Extra Early." The body of the catalog is beautifully illustrated with fine halftones, and lists a full line of Vegetable and Farm Seeds, Flower Seeds, Bulbs, Plants and Roots, Implements and Miscellaneous Supplies. The front cover shows in a panel a beautifully colored design of Campanula (Canterbury Bells), forming one of the most effective designs we have yet fallen across; it must be seen to be appreciated; the back cover, shows pictures of Rickards Bros.' New Head Lettuce and Rickards Bros.' Ball of Snow Cauliflower. The halftone reproductions on this cover are wonderfully faithful and we doubt if it is possible to surpass in any future year the clearness of the detail shown in these two pictures.

JOHN LEWIS CHILDS, Floral Park, N. Y.—Child's Combination Catalog for 1910, covering Flower and Vegetable Seeds, Summer Bulbs, Hardy Bulbs and Plants, House Plants, Shrubs, New Fruits and Dutch or Fall Bulbs. The publication is printed in five sections, each on different colored paper. Four floral novelties, shown in a color plate, are Dimorphotheca aurantiaca, Calliopsis radiata, a blue Petunia—Norma, and a new early Linum Perenne. Another color plate shows new Giant Excelsior and other Pansies, and a selection of Spencer Sweet Peas. The new vegetable and flowering plant Helianti is illustrated and described, and particulars as to its food value given. Considerable prominence is given to Gladioli, which are the specialty of the house. Four new varieties are added to the collection this year, named and introduced for the first time, viz.: Dorothy Burnham, a flower of enormous size, rosy flame color with large pure white throat; Pink Pearl, a light delicate pink; Rosy Spray, a white, beautifully sprayed rose; and Geo. Volmer, dark pink suffused orange, with light yellow rays and throat. The first three are of the Childsi type, and the fourth Gandavensis. The catalog contains 152 pages, and, like its predecessors, is most profusely illustrated with line cuts. The cover is lithographed the front page bearing a design representing Pinks, the second page The Wonderberry in fruit—by the way, this plant is in future to be known as the Sunberry—the fourth page the Air Potato or Giant Yam Vine, and the fourth Plums, Raspberries and Dewberries.

WM. ELLIOTT & SONS, 42 Vesey St., New York.—Sixty-fifth Annual Catalog of Vegetable and Flower Seeds, etc., a 68-page publication printed on excellent paper and profusely illustrated. The firm's novelties and specialties for 1910 occupy four pages. Antirrhinum majus Ruby is described, a new variety having bright ruby red flowers, and a tall grower. Brachycome Little Blue Star is a new sort listed as a great improvement on the old variety B. iberidifolia. Cosmidium Burridgeanum var. Orange Crown, ray florets golden yellow with a broad conspicuous circle of rich orange around the disc, is a new annual listed. Dimorphotheca aurantiaca, the showy South African annual, with its Marguerite-like blossoms of rich orange-gold is well described. Gerbera Jamesonii hybrida, the new race of Gerbera, flowering in many shades of color, is another striking novelty. Other novelties are Delphiniums; a carmine flowering Gypsophila; Kochia tricophylla or Summer Cypress; Myosotis Ruth Fischer, a variety suitable for pots as well as for bedding; Orchid-flowered Pansies, a new strain; Ricinus panormitanus, a new hybrid; and new Sweet Williams and Verbenas. There is also a fine list of novelties in Vegetables. The general lists of Flower and Vegetable Seeds are very complete, and a number of new and fine half-tone cuts are used in illustrating different varieties. Grasses and Clover Seeds are conveniently enumerated, and considerable space is given to Summer flowering bulbs and roots. A plant department covers Chrysanthemums, Carnations, Roses, Climbing Vines, Flowering Shrubs, Hardy Perennial Plants and Bulbs, Fruit Trees and Small Fruits and there is the usual department for Horticultural Requisites and Supplies, Poultry Supplies, Fertilizers and Insecticides. The publication appears in handsome covers printed in colors, the first page showing a suburban residence and garden, and the back page a park scene with bedding.

R. & J. FARQUHAR & CO., 6 & 7 South Market st., Boston, Mass.—Farquhar's 1910 Garden Annual. A handsome and finely illustrated catalog of Vegetable and Flower Seeds, Grasses, Roots, Summer Flowering Bulbs, Bedding Plants, Decorative Plants, Aquatics, Hardy Perennial Plants, Roses, Vines, Ornamental Shrubs, Conifers, Ornamental and Shade Trees, Fruits, etc. There are four pages of flower novelties and specialties for 1910, among them being several varieties of Asters; a new bedding Begonia; a new Cosmos, Farquhar's Early-flowering Red; Peony-flowered Dahlias; Impatiens Oliveri, a new introduction from British East Africa, suitable as a pot plant; some new Sweet Peas; and four new seedling Montbretias. The catalog is well printed on good paper and is bound in stiff paper covers, the front page bearing a representation of the flowers and foliage of Hydrangea Hortensis Nikko Blue, and the rear page Farquhar's Peony Flowered Dahlias, all in natural colors.

JAMES CARTER & CO., High Holborn, London, England.—"Garden and Lawns" for 1910, being the firm's catalog of Vegetable and Flower Seeds. The book contains 293 pages, profusely illustrated with unusually fine half tone illustrations, on heavy paper stock. The Vegetable section is very complete; as giving an idea of its magnitude it may be mentioned that twenty-nine pages are given up to garden Peas alone, a product which has ever been a specialty of the firm. Somewhat of an innovation is a list of vegetables, varieties especially suitable for growing under the French method of intensive culture, and which have been seen growing under the skilled cultivation of the French *maraichers* around Paris and elsewhere in France. The general list of flower seeds is very extensive and occupies some 126 pages. A list of "Esthetic or Decorative Flowers for Cut Blooms" describes blue, white, yellow, blood and orange Marguerites, Coreopsis, Poppies and similar flowers. Asters occupy six full pages. In Cinerarias, a beautiful novelty, Carter's Cactus, is the subject of a fine color-plate. It is claimed to be an entirely new break in Cinerarias, the edges of the florets recurve like a single Cactus Dahlia; the colors and combinations of colors in the florets are many. In Cyclamens, Carter's Butterfly, the petals are broad across the top, and the edges finely curled or waved; the colors are various, and the flowers, carried on long and slender stalks, are expected to become a feature in the making up of high class bouquets. There is a selected list of Sweet Peas, with fifteen of the principal varieties shown in a fine color plate. Lilies, Gladioli, Tuberoses and other bulb and root stock are described, and trees, shrubs and foliage, decorative and flowering plants are also listed. Greenhouse and garden tools and supplies, and garden furniture are, as usual, a feature of the book. The publication appears within stiff blue paper covers, with the title, and the royal arms bearing the all-important English legend, "By Appointment," neatly embossed in black.

STUMPP & WALTER CO., New York.—Spring Catalog for 1910, of which two editions have been printed, a Western of 80 pp. and an Eastern of 112 pp. A valuable point in favor of this production is noted in the large, clear type which has been used; while this feature adds materially to the cost of mailing it is a question whether, in the long run, the improved appearance and the ease with which its pages can be searched for material wanted, is not a well paying offset. Five pages are devoted to novelties and specialties in Vegetable Seeds, among which we note S. & W. Co.'s "Dark-leaved Globe Beet" and S. & W. Co's "Large Late Solid Dutch Cabbage." Among novelties in Flower Seeds are S. & W. Co.'s "Late Branching Aster," of which there is a full listing, including halftones of Aster Mary Semple and Aster Rose King, mate to Violet King, claimed to be the peer of the grandest Chrysanthemum. The catalog is beautifully and profusely illustrated throughout; cultural directions are given for each variety of seed listed, and the contents include every desirable variety in Flower and Vegetable Seeds, Farm Seeds, and Lawn Grass Mixtures that can be required. Sweet Peas occupy considerable space, as also do Asters. Summer flowering Bulbs, Fertilizers and General Supplies complete this very desirable catalog. An attractive insert sheet containing an offer of S. & W. Co.'s Giant Flowering Collection of Gladiolus, printed by the four color process, is especially attractive, it comprises twelve varieties of select named large flowering varieties. The covers—front and back—are also from four color plates which, by the way, when artistically treated, forms a most desirable, taking and not expensive attraction for the public, superior to the majority of lithographic effects and equal to the best. In this instance the front cover illustration shows three large Asters, Hohenzollern white and light blue and S. & W. Co.'s Late Branching Pink. On the back cover at top is a lawn scene with Evergreens and house porch in the distance; nearer by is a large circular border of Begonia Erfordii (shell pin) which in turn encloses another circular bed of Stocks S. & W. Co.'s Abundance (rose). The walks between and surrounding these beds are of grass. The entire cover design is striking and effective.

R. VINCENT, JR. & SONS CO., White Marsh, Md.—Geraniums, 1910. For several years this house has surpassed, each year, its catalog of the previous year, and it would appear as though this one of 1910 had positively reached the height of possibilities in the way of artistic development. Known to the trade as the largest Geranium growers and disseminators in the country, the Vincent Company has made it a point that its catalog should be representative of its large business in this particular branch of horticulture. We find listed Bruant's 1909 novelties in singles and doubles, in the Cyclops division and other types of Bruant productions, also those from the same house of 1908 and 1907; Rozain-Boucharlat's 1909 novelties in singles and doubles, also those of 1908 and 1907; V. Lemoine's 1909 and 1908 novelties in single and double varieties, also his varieties of 1907. Then there is a listing of the newer varieties of special merit, of the standard varieties in doubles and singles, of Cactus flowering Geraniums, standard Pelargoniums including the small-flowered Pansy type, Geraniums having variegated foliage, Ivy-leaved varieties and several scented leaved varieties. Four pages in lifelike colors, reproduced from water color paintings, grouped three varieties to a page, show pictures of Colonel Thomas, Paul Crampel, Leon Raudrier, Mlle. Anastasie Lecadre, Leopold Bouille, Pamela, Mrs.

Lawrence, Jean Oberle, Alliance, Anais Segalas, Jules Vasseur and Ornella. The fifth plate, by the Lumiere process, is an exact reproduction of the Geranium stock house at White Mash, Md. Ten full page plates are charmingly shown in black relieved by a delicate background of a delightful shade of green, reproducing pictures of varieties of merit, such as Konigin Olga Wurtemberg, Frau Bertha Schaffer, Admiral Jones, Berthe de Presilly, Mme. Laporte-Bisquit, Peter Henderson, Mme. Recamier, Roi Edouard, Claire Albane, Sycamore, Feuer, Commandant Ott, Maxime Kovalevski and Rival. The cover is one of the most attractive of this year's catalog productions. It is of pure white heavy stock; a simple border encloses the artistic lettering, and an oval panel, in color, of a truss of Geraniums M. Anatole Roseleur is sunk into an embossed frame. The picture itself is a little art gem. All interested in Geraniums should certainly have a copy of this superb catalog.

HENRY A. DREER, Philadelphia, Pa. —Dreer's Garden Book, 1910, 72d Annual Edition. A 256-page Catalog of Vegetable and Flower Seeds. There are four color plates backed with half-tone full page plates, and reading pages are profusely illustrated. The title "Garden Book" is well applied, for in addition to the ordinary matter contained in catalogs, cultural directions are freely given. Six pages and a backed color plate are given up to vegetable novelties, which include Beans, Cabbage, Beets, Carrots, Corn, Celery, Cucumbers, Lettuce, Watermelons, Muskmelons, Peas, Radishes, Peppers, Spinach, Squash and Tomatoes. These are followed by a treatise on The making and Care of Hotbeds and Cold Frames. Following the category of ordinary seeds are pages devoted to Grass seeds for lawn and field, and field, forage and silo seeds. The floricultural section of the book begins on page 51 with chapters on Annuals and How to Grow Them, and Raising Perennials from Seed. Nine pages and a backed color plate are devoted to novelties and specialties. Amaranthus Sunrise, a rare variety is illustrated and described and there is a description of a new double flowering Snapdragon. A color plate displays six double and six single forms of Dianthus, novelties every one of them. The back of the plate shows Dreer's Four Favorite American Asters. Calliopsis Tiger Star is a novel and pretty form of this popular free-flowering annual. Burbank's Shasta Daisies are prominent, seed stated to be received directly from Mr. Burbank. There is a splendid line of new hybrid Delphiniums, representing the finest varieties of a famous English collections. Gerbera Jamesoni Hybrida is a welcome addition to the species, and embraces hybrids in various colors. In Heleniums there are two striking novelties, and there are three new single Annual Poppies. Fra Diavalo is a new variety of Solanum capsicastrum—Jerusalem Cherry—with close, compact growth and foliage somewhat smaller and lighter green than the original type. A new dwarf blue Salvia is described as being more dwarf and compact than others, the flowers larger and more intense in color. Twelve new varieties of Sweet Peas are described under the heading "Dreer's Orchid-flowered Sweet Peas." Thirteen pages and a backed color plate are devoted to Roses, the varieties Lyon, Harry Kirk and Dean Hole—Dreer's Trio of Hardy Everblooming Roses—subjects of the color plate. Hardy Perennial Plants form a large section of the book; among the novelties and rare sorts featured are new varieties of Achillea, Japanese Anemones, a Spiræa, Hardy Asters, a semi-double Shasta Daisy, Irises, Rudbeckias and Trollius. Other sections cover Choice Hardy Shrubs, Climbing Plants, and Small Fruits. Water Lilies and Aquatics are given a "Department," prefaced with a treatise on "How to Grow Water Lilies," written by the expert of the establishment. This section is a unique one and speaks much for the enterprise. Dreer's Garden requisites and supplies form the concluding section of the book. The publication is bound in stiff, green paper covers, with the title embossed in gold on the front page. We have also received Dreer's Market Gardeners' Wholesale Price List, which is supplementary to the general catalog.

H. E. FISKE SEED CO., Boston, Mass. —Seeds, Bulbs, Plants and Poultry Supplies, 1910. This house presents a compact catalog of 96 pp. replete with select offerings of the choicest Seeds in Vegetables and Flowers, and listing additionally a full line of Summer Flowering Bulbs, the chapter on Dahlias being particularly full; Hardy Lilies, Summer Bedding Plants; Water Lilies, Hardy Hybrid Tea and other Roses, Climbing Vines and Shrubs and Hedge Plants. Hardy Perennials and Ornamental Shrubs are listed extensively. There is also a section of Ornamental Trees, Dwarf and Standard Fruit Trees and Strawberry Plants. A full line of Fertilizers, Insecticides, Spraying Implements, Lawn Requisites, Sundries for Garden and Farm and Poultry Supplies is also advertised. Throughout the book is carefully illustrated with a profusion of choice and well selected half tones of the goods so appetizingly set forth. The covers are in black and white; the front one showing a group of Asters. The back cover carries two realistic field views of vegetables growing on the company's grounds, the one, a field of Danver's Half Long Carrot and Globe Curled Savoy Cabbage growing for seed; the other, a field of Home Grown Danver's Yellow Globe Onion for seed; both pictures capitally portray to some extent the magnitude of the firm's operations.

We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(16) **Carnation Production.** — Will you kindly give us some information in regard to what Carnations ought to produce, in order to make them to pay. We have kept records and have our averages, but have no standard of comparison. What is the average number of flowers to the plant that should be produced up to Jan. 1, also for the whole season, when well grown, of White Perfection, White Enchantress, Winona, May Day, Beacon, and Winsor? —C., Illinois.

—The amount of Carnation blooms produced per plant up to Jan. 1 is purely a matter of conjecture, and depends a great deal on time of planting, pinching and the grower. But to prove profitable, each plant should produce 20 to 25 flowers for the year, although this number may be reduced if the returns for the year were above normal, and stock first-class. A great deal depends on having blooms when your commission man needs them, to enable him to secure best price and to sell out. Your varieties are good ones and if product is in any demand, and grown right, should pay. See discussion on a similar subject in the Baltimore news in last week's issue.

(17) **Sweet Pea Troubles.**—Please let me know what is the matter with enclosed Sweet Pea. I planted them two weeks ago, and keep the houses 40° to 45° at night and 60 to 70° at day time? H. E., New Jersey.

—Samples of Sweet Peas sent here by you are filled with scale and it would be cheaper to replant than to rid the plants of the pests. You will also need to use different soil, as it is evidently from that your trouble comes. If you are troubled again, spray with Nicoticide, Aphine, or some other equally effective remedy. It might be well to raise your night temperature nearer to 50°.

(18) **Growing Asters.**—Would you be so kind as to inform us about Aster growing? We have about 8 acres of ground which have not been used for a long time and the ground is very poor. Could this ground be ploughed early in March and the middle of April, manured well, and ploughed again in the first week in May? Or would it be better to plough in March and then in April, and put good bone meal under plants? Which do you think would be a better plan to follow? The ground is very light loam, but very poor. P. B., New Jersey.

—As Asters make such small roots, would advise the placing of bone meal near the roots when planting, repeating the dose two or three times while growing. If you have plenty of manure on hand, by all means spread it on soil before ploughing. Once ploughing should be enough. Sheep manure is also a good fertilizer to use while plants are developing. Throw a handful around each plant, and during the cultivation it will work in the soil.

(19) **Privet Comparisona.**—How does the California Privet foliage compare with Ligustrum Japonicum, L. lucidum and L. macrophyllus? Has the California Privet shining green leaves? Could the California Privet be grown into shape like the three evergreen varieties? Can the evergreen be purchased as cheap as the California Privet? Does the evergreen grow as quick as the California Privet? Thanking you in advance, W. H. L., California.

—The foliage of Ligustrum lucidum is much larger than L. ovalifolium (California Privet), the upper surface of the leaves being dark and glossy. L. Japonicum has leaves the same size as L. lucidum but of lighter shade and dull. The California Privet can be grown into any desired shape. The varieties of Ligustrum vary somewhat in price, for which see the catalogs of any of the prominent nurserymen. California Privet leaves have not such a glossy surface as the other varieties.

(20) **Lilies and Other Stock for Easter.**—I have a lot of longiflorum Lilies for Easter. They were potted December 15 and placed in a cool house, and made a slight root growth. About a week ago I removed them to a Carnation house. Is it possible to get them in for Easter, and what temperature should I give them? Please give me full details, also tell me when to bring Hyacinths, Tulips, Narcissus Von Sion and Paper Whites and Spiræa Gladstone in from outside, and what temperature to give them to have them for Easter? —F. W., Penna.

—Your Lilies having such slight root action, would hardly be in shape for Easter, as a temperature of 65° night and day is necessary for well rooted bulbs. Would advise you to let the plants develop gradually, without undue forcing. This will pay you better than trying to get them into bloom with such a poor start. Lilies for Easter should be 8 to 12 inches high and well rooted by this time. Bring in your bulbs about four weeks before wanted. Hyacinths take a trifle longer than Tulips, for which allow full three weeks at a temperature of 60° at night. Spiræas should now be potted, and put in a temperature of 50° at night, give plenty of water, they are thirsty plants. Allow a few days for all your plants in a cool house before selling, a proceeding advantageous to all.

(21) **Sweet Peas, Violets, etc.**—1. When is the proper time to start Sweet Peas in 3-in. pots to have same 3 inches high by May 1? 2. About when will it become necessary to shade Violets, in bloom, from rays of sun? 3. Is there any preparation which will bring angle worms to the surface so they can be caught; a preparation harmless to the plants and effective? If so in what proportion should same be used?—J. P. A., New York.

—1. About March 25. 2. Depends a great deal on the weather conditions and daily temperature inside. If the latter gets too high and your Violets show effects of same about March 1, then put a very light shade on, and increase as necessary. 3. Lime or tobacco water. If this is not effective, get some bisulphide of carbon; make holes in the soil 4 or 5 inches deep, 9 inches apart; pour about a tablespoonful of liquid in each hole, and close up immediately to keep fumes in the soil. This should kill all worms in a bench.

(22) **Rust on Carnations.**—Will you be so kind as to advise me what the rust appearing on enclosed Carnation leaves is; and whether it is of consequence; if so, what is the proper way to treat it? Will you also give me an opinion as to the probable outcome of bulbs, such as Narcissus, Paper Whites, planted in flats dry, covered with ashes and leaves and now frozen up? They are intended for Easter of course.—S. B. H., Conn.

—The Carnation leaves sent are filled with rust, and we would advise you to spray with Bordeaux mixture for formula and instructions for which see answer No. 15 in our issue of January 15. Bring in your Narcissus bulbs about four weeks before wanted.

(23) **Suitable Planting for Old Houses.** —I have four houses, 55 ft x 12 ft, heated with hot water, and would like to know what I could grow in your opinion, that would be the most profitable for this type of house. The houses were originally Violet houses, but have been idle for a couple of years. From the highest point on bed to the ridge is a trifle over 6 ft., although I have one house of 7 ft. or 8 ft to ridge. The beds are solid, having stone drainage at the bottom and no heat under the surface. They are in a good location and get plenty of light. I can run them to 60° in the coldest weather. I can sterilize any of these houses with my boiler as it is fitted for the work. Any suggestions will be greatly appreciated.—W. C. M., Mass.

—Unless you filled the houses with bedding plants and grew them on for Spring use, there is not much to do at this time of year except prepare for coming seasons. There are many things that can be grown from seed, for instance Asters of the various varieties, using one variety for each house. See your local dealers and find out what kinds are suitable for their market. Planting Gladioli, Tuberoses and other bulbs has also proved profitable. You might secure enough Carnation cuttings of the best kinds and grow these on for next year's crop. If you maintain 60° at night, and have good soil, would suggest you secure young plants of Asparagus plumosus nanus now, and grow these on, and about July 15 plant them in one or two of the houses. This makes a good crop to grow when rightly handled. For trade at Memorial Day would suggest growing on of Geraniums, Heliotrope, Double Petunias and other mixed plants which can be secured at small cost now, through our advertising columns; while from seed sown now Ten Week Stocks, Single Petunias, Ageratum, Verbenas, Alyssum, and many other things can be grown, and will be found useful in a residential district, not forgetting some vines, such as Cobea scandens, Pilogyne, German Ivy, Vinca variegata, Nasturtiums, etc., for porch and window boxes.

(26) **Geraniums Diseased.**—I send you some Geranium leaves which are infested with something I do not understand. Will you kindly tell me what is the cause, and also the remedy? Do you think it due to the soil I am using?—E. V. B., New Jersey.

—The Geraniums are certainly badly infested with a constitutional disease, which has been brought about by adverse conditions in the greenhouses, and unless it is some valuable variety would suggest you discard the entire lot. Otherwise pick off and burn all diseased leaves, shake off all soil and repot in clean pots and soil; also keep the plants sprayed with Bordeaux mixture. But considering how cheaply one can obtain strong rooted cuttings the easiest way to rid yourself of the trouble is to burn all the plants.

(29) **Remedy for White Fly.**—Please give me some information in regards to a remedy for white fly.—W. S. S., Conn.

—If you can use hydrocyanic gas this would be found very effective; otherwise, spray with Nicoticide, Aphine, or some other equally effective insecticide, for which see advertisements in our columns.

(24) **Sweet Peas Under Glass.**—Please advise me through your columns, as to the proper temperature for Sweet Peas, and how many rows would be best for an even span house 34 ft. wide? Would it be possible to grow Carnations in the same house at the same temperature? Also kindly inform me as to the number of Sweet Peas per bunch, as quoted in your paper by the dozen bunches? What is considered an average crop of flowers per plant for Carnations? W. L. H., New York.

—Bunches of Sweet Peas for the New York market contain 6 bunches, 12 stems per bunch, making 72 stems in each bunch offered for sale. Plant Sweet Peas the long way of the house, in rows 3 ft. apart, in a temperature of 48° to 50° at night, and 10° more during day. Would suggest partitioning off the house for Sweet Peas, as the temperature necessary for them is a trifle too low for Carnations, although many florists have success with the combination. Some varieties of Carnations yield more than others, but ordinary kinds should produce 20 to 25 blooms each plant to prove profitable, considering the market all the year round.

(30) **Deutzias and Rhododendrons for Easter.**—Kindly let me know when I must bring in Deutzia gracilis for Easter blooming; also when to bring in varieties of Rhododendrons as follows: Caractacus crimson; Fastuosum flore pleno; Flushing; Parson's grandiflorum rubra; Helen Waterer; Prince Camille de Rohan?—G. L., New York.

—Your Rhododendron plants should be in a warm greenhouse now, as this class of plant can be held in a cool house for a week or more when in bloom. Keep buds syringed, to have them open evenly, also to assist the bud to swell more quickly. 65° at night is necessary for them. If your Deutzias are outside bring them in about February 1, and put them into a cool house until about March 1, when they can be carried to a house where 60° to 65° at night can be maintained. This variety of plants gives better satisfaction when allowed to harden off a few days before selling.

The Propagation of Nephrolepis

What methods are followed by the large growers in propagating Boston, Scottii and Nephrolepis Ferns generally, for quick growing.—R. H. C., Conn.

—Extensive growers of Boston and other varieties of Nephrolepis use the following method for propagating. The stock plants are set out in good soil, about 8 inches apart each way; and the tops of the fronds are then cut off to within six or eight inches from soil, this being done to give quicker root action, causing numerous runners to shoot out, which eventually form crowns, and these, when large enough, are cut off and potted. Sheep manure or other light fertilizer is sprinkled frequently on the soil, commencing three or four weeks from the time of planting, the result being strong offshoots which mature into shapely plants very rapidly. When runners are potted they should be placed on a bench where good steady bottom heat can be given them, and kept close and moist until signs of growth are apparent.

Many growers of the fancy varieties of Ferns allow the leaves to develop on the stock plants, which are then sold to retailers at a fair profit, in this manner securing a double return from the same plants. The leaves are useful to retailers and in some markets reach a good figure.

GERANIUMS

All sold until February. Orders booked for February and March delivery. Nutt at $10.00; Poitevine and Ricard at $12.50 per 1000.

ASPARAGUS Plumosus, $25.00 per 1000; Sprengeri, $15.00 per 1000. Ready now.

ALBERT M. HERR, LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS

Strong healthy plants, ready for a shift from 2¼-in. pots.

A. Ricard, Beauty Poitevine, Hill, J. Viaud, $2.50 per 100, $24.00 per 1000.

Nutt and Grant, $2.00 per 100, $18.00 per 1000.

CANNA ROOTS. Souv. d'A. Crozy, Egandale, Queen Charlotte, A. Bouvier, at $2.00 per 100, $18.00 per 1000.

Cash please.

JAMES AMBACHER, West End, N. J.

Please mention the Exchange when writing.

Geraniums

Rooted Cuttings

S. A. NUTT, BUCHNER, ...per 1000, $10.00
VIAUD, ... per 1000, 12.00

Cash with order.

PETER BROWN, 124 RUBY STREET, LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS Low, stocky, from pots sent nearly free of soil. S. A. Nutt, Bruanti Dble. Grant, $12.00 per 1000. Buchner, Ricard Poitevine, Perkins, Hill, etc., $18.00 per 1000

COLEUS Ver. and G. Bedder, $0.00 per 1000. Fancy, very brightest only, $5.00 per 1000. Giant Leaved, most showy of all, 90c. per 100. Many kinds, some new. Cash.

ASTER SEED Best long stem kinds for cut flowers. Special low prices to Dealers. Write.

DANIEL K. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

S. A. NUTT, from 2¼-in. $2.00 per 100, $18.00 per 1000.

MME. SALLEROI, from 2¼-in. $2.00 per 100, $18.00 per 1000.

Please state if shipped with or without soil.

Cash with order.

C. A. PETERSON, Madison, N. J.

Please mention the Exchange when writing.

GERANIUMS

Strong 2-in. stock.

S. A. Nutt, Heteranthe, Jean Viaud, La Favorite, L'Aube, $2.00 per 100, $18.00 per 1000; our selection, $17.00 per 1000. Pamela, $4.00 per 100. Mlle Anastasie, Lecadre, $3.00 per 100. Red Wing, the best novelty of the season, 25c. each, $2.50 per doz. Write for Geranium catalog.

F. H. DeWitt & Co., Wooster, Ohio

Please mention the Exchange when writing.

Geraniums

S. A. Nutt, Bruantl, and Snowdrop, 2½-in. $2.00 per 100.

CARNATIONS, R. C. ready Jan. 1. Enchantress and Lloyd, $1.50 per 100, $12.00 per 1000.

L. C. HAPPEL, Waynesboro, Pa.

Please mention the Exchange when writing.

GERANIUMS

Nutt and Ricard, 2¼ in. pots, $2.00 per 100, $18.00 per 1000

CINERARIAS

4-in. fine for Easter, $5.00 per 100

JOHN STONE, R. F. D. No. 3 Easton, Pa.

Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

Established 1820

Special Offer OF GERANIUMS

2½ inch, S. A. NUTT, $16.00 per 1000.

Cash or C. O. D.

H. S. HOPKINS
BINGHAMTON, N. Y.

Please mention the Exchange when writing.

Geraniums! Geraniums!

Nutt, Doyle, Buchner, La Favorite, Poitevine, Grant, Bruantl, and others, at least, 100,000, out of 2¼-in. pots, in fine condition, at $18.00 per 1000; 500 at 1000 rates.

AGERATUM, Stella Gurney, Pauline and others, from 2¼-in. pots, $1.00 per 100; $9.00 per 1000. Rooted cuts, 60c. per 100.

HELIOTROPE, 2¼-in. pots, $2.00 per 100.

Cash to accompany the order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

Geraniums

2-inch pots.

Buchner, Double white, $12.00 per 1000.
Nutt, Mme. Salleroi, Doyle, Ricard, Montmort and others, $18.00 per 1000.

Rooted Cuttings of Fuchsias, Salvias, Heliotrope (dark), Lemon Verbenas, Double White Feverfew, Vinca Variegated, $1.00 per 100.

Double Giant Sweet Alyssum, Ageratum Gurney, 50c. per 100.

Cash with Order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

GERANIUMS

Ricard, Nutt, Buchner, strong, cool grown plants, from 2-in. pots, $2.00 per 100, $20.00 per 1000.

Ricard from 2½-in., $2.50 per 100. Mixed $18.00 per 1000.

QUAKER HILL NURSERIES, Oxford Depot, N. Y

Please mention the Exchange when writing.

GERANIUMS

	1000	100
S. A. Nutt and 8 other varieties 2½-in. pots	$20.00	$2.50
ALTERNANTHERAS, yellow, rooted cuttings		.50
VINCAS, Var. 2-in. pots		2.00
ASPARAGUS Sprengeri seedlings	7.00	1.00
PANSY PLANTS	2.50	

—Cash.—

Jos. H. Cunningham, Delaware, O.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings

GEN. GRANT $10.00 per 1000.

S. A. NUTT, $10.00 per 1000. Special price for 5000 lots

Cash with order

FRED W. RITCHY, Lancaster, Pa.

Please mention the Exchange when writing.

Geraniums

S. A. Nutt, Buchner, La Favorite, Jean Viaud, John Doyle and finest Mixed, $2.00 per 100, $5.00 per 300, $16.50 per 1000.

Cinerarias, Primula Obconica, Asparagus Sprengeri, Ivy Geraniums, Double Petunias (Dreer's), $2.00 per 100, $5.00 per 300.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

THE EXCHANGE—Best Advertising Medium

Los Angeles

The chariot race and "Wild West" scenes of the New Year Tournament of Roses, which were postponed this year for one week because of rain, were held at the grounds of the Association Jan. 8. The weather was ideal. The atmosphere was balmy as May in the Atlantic States, and calm, just enough breeze to waft the immense balloon away to the Northwest, along the foot of the mountains for ten miles, where it was landed in the village of Glendale, as easily and softly as though it had been a bird. The time of flight was 1h. 43m.

The chariot races, however, are the scenes which thrill. If those of the Roman arena were more thrilling they must have been hair-raisers sure. Four lithe, muscular horses to each chariot. In their practices before the contest all is quiet except the pounding of their own hoofs upon the solid track—but now the scene is changed. The presence of 10,000 people with nerves at high tension, waving flags and banners, the blare of brass bands, the eager expectancy as to the outcome, because of the danger to life and limb of the charioteer and his steeds, fill the very atmosphere with a magnetism which is contagious, and seems to be shared by the horses, which when the signal is given to start, are in a frenzy of excitement. Strong must be the arm and steady the nerve, and both controlled by a clear, cool head to guide four frantic animals in a mad dash, a veritable runaway. In their excitement they lay their ears back and stretch their bodies out so low as to almost touch the ground. The pounding of their hoofs, the rattle of the chariots, the cheering of the excited, enthusiastic crowd is wonderful to see, to hear, to feel. A chariot race in a circus tent is a tame affair compared to those held in the open, with the heavens for a dome, and the bright California sun to light the scene in our atmosphere, dry and highly electrified. Balloon ascensions, the flight of aeroplanes, and all the modern airships are quiet affairs as compared to the chariot races of the Tournament of Roses of Pasadena, Cal. A feature of this annual fête is an exhibition of horsemanship by men and women, simulating the days and scenes when the West was new to white men, the days when it required men with wills of iron and nerves of steel to meet the emergencies. The ratty little bronchos they ride, made up of bone and sinew exclusively, are apparently indestructible. Buffalo Bill's Wild West Shows are, comparatively speaking, quiet exhibitions, for the reason that their manoeuvers are confined to the circus ring, while here a twenty-acre field is the arena, and some number not on the program is liable to appear, unexpected and unannounced; and because of that fact the interest is great during the performance from start to finish, on the part of the performers and the spectators.

Henry W. O. Melveny and Charles Silent, able attorneys and enthusiastic horticulturists, have been appointed to the board of Park Commissioners of this city, which has a park system of over four thousand acres. These two men spend money with a lavish hand growing ornamental plants for pleasure, both at their city homes and large country estates. A great deal of knowledge relative to the habits and characteristics of exotics and their adaptability to southern California climatic conditions is due to the extensive and expensive experiments of these two plant enthusiasts.

D. F. Reichard, of Morris & Snow Seed Co., who was so severely burned at Christmas while playing at Santa Claus, has so far recovered that it is now definitely known how much skin grafting will be necessary to cover the wound—between 150 and 200 inches. He will be removed from his home at Covina to one of our hospitals this week on Jan. 15 to have the process begun.

P. D. BARNHART.

Stratford, Conn.

Mrs. L. G. Mills has 5000 sq. ft. of glass and grows Carnations, Callas, bedding plants and Pansies. She has recently opened a retail store in E. Bridgeport, at 1124 E. Main st. Plans are made for additional glass this coming Spring.

Frank E. Bacon has one house, 24x48, devoted to Carnations and a general mixed stock for retail trade. The past Christmas trade was much better than any previous year for the past ten years.

GERANIUMS

5000 POITEVINE, 2½-in., $20.00 per 1000.
5000 MME. SALLEROI, 2½-in., $15.00 per 1000.
3000 GEN. GRANT, 2½-in., $20.00 per 1000.
Good stock

ROBERT A. ELLIOTT, Morristown, N. J.

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS

From 2¼-inch pots, $2.50 per 100, $22.50 per 1000.

Cash with order please

FLORAL HILL GARDENS
G. F. NEIPP, Prop.
CHATHAM, N. J.

Please mention the Exchange when writing.

Dracæna Indivisa

Large plants in 5-in. pots, $20.00 per 100. GERANIUMS, S. A. Nutt, in 2½-in. pots, $2.00 per 100, $18.00 per 1000. Other varieties of Geraniums will be ready later on.

E. L. RILEY, Trenton, N. J.
R. F. D. No. 2.

Please mention the Exchange when writing.

FUCHSIAS

There are none better than Little Beauty, Lord Byron, Renan and White Beauty. Strong 2½-in. pots ready, $4.00 per 100. New Heliotrope, Miss Berenice, a sport of Mad. Bruant and a great improvement on the latter 2½-in. pots, $8.00 per 100. Katalog for the asking

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Violets! Violets!

MARIE LOUISE, clean and healthy in every particular. 3-inch pots, $5.00 per 100, $45.00 per 1000.

Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Please mention the Exchange when writing.

300,000 COLEUS

$4.00 per 1000
60c. per 100
By mail.

50,000 good, strong, clean, well-rooted cuttings; now in sand. 200,000 more coming on: Verschaffeltii, Golden Bedder, Queen Victoria, and all other leading varieties. Come and see them. Cash with order.

C. SCHULZE & SON
261-275 Lawrence St., FLUSHING, L. I., N. Y.

Please mention the Exchange when writing.

AMPELOPSIS VEITCHII

Fine, well rooted, one year plants, 18 to 24 inches; 50, by mail, $2.00; 100, by express, $3.00; 1000, $25.00. Plants in cellar. ASPARAGUS ROOTS for Spring, extra strong, 2 year plants, $1.00 per 100; $4.00 per 1000. 3 years, $1.25 per 100; $5.00 per 1000. They will please.

CHARLES BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

VINCA VARIEGATA

Extra strong, thrifty stock, ready to shift, 3-in., $3.50 per 100, $30.00 per 1000.

GERANIUMS, Mme. Salleroi, strong, thrifty, 2-in., ready to shift, $2.00 per 100, $18.00 per 1000. Cash.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

CINERARIA STELLATA

Strong plants in 2½-inch pots, ready to shift into 4-inch.

$3.00 per hundred

Primula Obconica all sold.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

Please stop my advertisement in the "Exchange," as I am all sold out of Geraniums.

Very truly,

(Name and address on application.)

A. L. YOUNG & CO., 54 West 28th Street Telephone, 3559 Mad. Sq. **and Manhattan Flower Market,** 46 West 28th Street, NEW YORK Telephone, 1016 Madison Square

WHOLESALE FLORISTS Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial

Please mention the Exchange when writing.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager — Consignments Solicited

39 West 28th Street, Telephone 6237 Madison Square NEW YORK

Please mention the Exchange when writing.

NEW YORK.—The condition of the cut flower market remains about the same as last week, and while there has been considerable activity in all lines, the amount of available material has exceeded the demand. Midweek conditions are such that, as a rule, but little business is accomplished, and with receipts as heavy as other days of the week stock accumulates rapidly. Usually on Monday and Saturday of each week a greater activity is noticed. The American Beauty Rose situation remains unchanged, and but small demand is felt for flowers; top grades, however, realize 50c. Receipts, fortunately, are light. Tea Roses have met with a better demand, although the heavy shipments are far from allowing a general clean up. Medium grades have been moving more freely and are realizing a fair average figure. Top grades of all varieties reach $15; other grades, according to quality, $4 to $10. White Roses have been in greater demand the past two days, and a general clean up of these has been accomplished at varying prices.

Carnations are becoming more plentiful, and the quality is considered to be far superior to that of other years, at this time. Red and pink sorts are to be had in unlimited quantities. Extra quality Enchantress and White Perfection realize $5 per 100, but for ordinary grades $2 to $4 is the range.

No great change is manifest as regards Orchids, although the market has been recently thoroughly cleaned up for large decorative orders. The demand is such that 50c. still remains the top figure, while 35c for medium grade flowers is a fair average. Cypripediums are very plentiful and range from 10c. to 15c.

Lilies are abundant and are hard to move at $1.50 per doz. Top grade stock reaches $15 per 100, but so little of this is received that it has no bearing on the general market. $8 to $12 is the range of most sales. Lily of the Valley is hard to move, and sales have been recorded at $2.50 per 100 for good grade flowers. Job lot offerings at $2 per 100 are frequently in evidence.

Daffodils are arriving daily in very large quantities and are hard to move; prices range from $2 to $4. Paper White Narcissus continues to flood every wholesaler's store and $1 per 100 to clean out is the rule. Tulips drag, and at the price of 3 dozen for $1 remain unsold.

Violets are becoming a hard proposition, and warm weather will encourage street offerings by the fakir. Prices range from 20c. to 50c. per 100. A few selected flowers realize 60c., but there are so few of them that they should not figure in quotations. Sweet Peas are a glut, and only top grades sell, prices ranging from 50c. to $1 per 100. Gardenias are plentiful and sales at very low figures are made, one sale of 200 for $10 being a fair sample of the conditions. Adiantum and other greenery moves well.

PHILADELPHIA.—In spite of the stormy weather of last week a general clean up in all lines was experienced. Especially was this so of the medium grades of Roses, the demand for which was heavy, and continued so until Monday night. Of course, the dark weather has been responsible for a short supply, and the market is also feeling the results of the undue forcing of flowers for the holidays, a fact which should be borne in mind by growers, especially as at this time of year most flowers bring a good average price which, although not as high as at Xmas, is enough to satisfy when vitality of plants is considered. American Beauty Roses are apparently all off crop, and what few are offered bring prices ranging from 25c. to 50c. No great demand is being noticed for them at even this price. On Monday of this week medium grade Tea Roses of all colors were in good demand, several wholesale houses having completely sold out early in the day. Pink of any variety would have been acceptable, the strong demand having been caused by forthcoming social events. Prices ranged from $4 to $12, according to grade.

Carnations are plentiful; white are most called for, but all colors are cleared out fairly well at prices ranging from $1.50 to $4, the latter being paid for top grade White Perfection. Reds are very plentiful.

The Orchid supply continues spasmodic, and prices range from 30c. for medium to 75c. for top grades, with the demand about equal to the supply. Cypripediums are more plentiful, but the height of production of these flowers has evidently passed for this season, so that the supply will gradually fall off.

Lilies have met with fair demand, and plenty are on hand to meet all wants, at prices varying from 8c. to 15c. Lily of the Valley is plentiful in the smaller grades, out of town shipments using up all the available supply of top grade material. From $2 to $5 per 100 is the asking price for them. Callas are not over plentiful, and move moderately at various prices, with no great demand noticeable for them. Narcissus is dragging, and the supply is away beyond that of any previous year; efforts are made in many cases to clean up at $1.50 per 100. Single Daffodils move well, but the double variety is hard to dispose of, on account of the green appearance; the general opinion is that this does not force properly at this date, and unless good colored flowers can be procured no great sales are to be recorded.

White Tulips have made their appearance, but only in small lots, and short stemmed, fit only for funeral and basket work. Violets move well and prices vary according to quality and age, and range from 35c. to $1 per 100. Lilac is appearing in greater quantity and offerings at 50c. per bunch are frequent, although top grade material still reaches the $1 per bunch mark. Sweet Peas are quite plentiful, although they move freely and a better clean-up at fair prices is possible now than for some time past; top grades go at $1 per 100. Greenery of all kinds is moving well, and good prices are obtained.

INDIANAPOLIS.—Funeral work, counter trade and decorations were well distributed among the shop-men during the past week and satisfactory reports are received from all quarters. The wholesalers, naturally, had little left on their hands and received prices which though lower in instances than the preceding week, were all they should have been for this date.

Spring flowers, such as Jonquils, Narcissus and Roman Hyacinths were in most demand at $3.50 to $4 per 100. Lilacs at $20 per 100 and Sweet Peas at 50c. to $1 received their share of attention.

Carnations, now in their prime, are a most useful commodity and lead in the number of sales. Prices remain close to $3 to $4 per 100, wholesale, and 75c. to $1 per doz., retail. The variety of good kinds is, at this time, too lengthy for the casual observer to enter into, but it is obvious to all that the Carnation producers are not standing still.

Bride and Bridesmaid are being cut in quantity in this locality at $3 to $8 per 100. Killarney, for the time being, has to be shipped in and consequently is not so much used, at the same figure. Am. Beauty, because of the dark weather, are not so good at $5 to $50 per 100.

Home grown Cattleyas sell fairly well at $40 to $50 per 100; the shipped product does not always give satisfaction.

The plant line is being well taken care of with a fine line of blooming shrubs beside the staple articles. Rhododendrons with their wealth of color and goodly size are again available for window dressing. Bulbous stock is here, too, in pots and pans. Tulips, Crocus and Hyacinths are always good sellers at this time. I. B.

BOSTON.—Business continues good. The weather has been typically wintry and flowers have been a good deal in demand.

Roses continue to be scarce especially the medium grades. Those most in demand range in prices of from 4c. to 8c. There are some excellent grades at a much higher figure however. Carnations continue at the same even price; there is a fairly good demand for the best grades. Orchids are more plentiful, especially Cypripediums. Lily of the Valley continues steady. Lilies are more plentiful than they have been. Violets are steady and not over abundant. Sweet Peas are more plentiful. Some fine grades of Mignonette and other such flowers are seen. J. W. D.

CHICAGO.—The market at this writing is in a very undecided condition, and it is almost impossible to make any statement regarding it. Prices have advanced from 25 to 50 per cent. over last week and the prospects are that the stock will advance to Christmas prices, unless the continued dark weather breaks up and we have sunshine for a few days. The outlook is anything but encouraging to the growers. At this time there is a decided shortage of stock in all lines. Prices are simply extravagant for this season, a most unusual occurrence, as if the sun would only shine there would be quantities of everything in season. In the Rose line is the most marked shortage in all colors. The cry in the past few weeks has been for white, but this week Killarney, Richmond and all varieties are equally as much in demand. Prices range from $4 to $15 per 100, and all stock cleans up.

Carnations are also commanding better prices, and any decent stock is selling at $4 per 100.

Sweet Peas do not look as well as usual, as they also are suffering from weather conditions. Lilies continue scarce and all arrivals are taken without any effort on the part of the commission men. Prices have not advanced as perceptibly on these as on Roses.

Paper White Narcissus is being taken more freely owing to shortage of other flowers, but Roman Hyacinths are not in as good demand. Violets are coming in from the East in very good shape, both as to size and coloring. White Lilac has made its appearance, but is only visible in one or two places, and no price is quotable. Orchids and Gardenias are no more plentiful than for some time past. Tulips are showing up in several colors and look very prepossessing. There are complaints heard all over regarding the condition of common Ferns, the quality being anything but good. This is a little early for complaints in this line. All miscellaneous stock is getting a chance to move off with a little more activity than usual.

ST. LOUIS.—The market was very irregular last week at all the commission houses. One day the stock would come in abundance and the next day everything would be scarce, but the demand has been much heavier of late than at any time this year (which is only two weeks old). The regular social season has about opened and from now to the end of the season, which closes when Lent commences, the uptown florists will have plenty to do with weddings, receptions, balls, dinners and other social affairs, as the season promises to be a lively one, according to the social news of the daily press. The downtown retailers say that transient trade has been most excellent last week, plenty of funeral work was turned out by them and large designs at that.

Prices on stock at the commission houses were up and down last week. Roses, Violets and Carnations were the flowers that sold at irregular prices. Extra good American Beauty Roses bring from $3 to $4 per doz.; medium from $1.50 to $2; extra short from 50c. to $1 per doz.; Carnations, fancy, from $3 to $4 per 100, others from $1 to $2 per 100; Violets, 50c. to 75c. per 100; Callas and Harrisii Lilies, $10 to $12.50 per 100; Lily of the Valley, $2 to $4; Roman Hyacinths and Paper White Narcissus, $1 to $2 per 100; Sweet Peas, 50c. to 75c. per 100; Stevia, 50c. Smilax and all other greens seemed to have had a big call all of last week. ST. PATRICK.

New York

For the A. C. S. Convention at Pittsburgh full arrangements have been made for delegates going from this city. See editorial page.

An auction will be held Jan. 26 at 14-16 Vesey st., New York, at which time the estate of the late Thomas Patten will be offered for sale; this will include, besides other holdings, the building occupied by Traendly & Schenck on W. 28th st.

The buildings occupied by Walter F. Sheridan and Geo. Saltford have recently been sold to real estate dealers.

J. A. Peterson of Cincinnati was in New York this week, and had with him specimens of his new Begonia "Pride of Cincinnati," and which have since been on view at Traendly & Schenck's store. The opinion of prominent growers regarding this Begonia is that it is a winner and will prove popular when introduced. It is a large flowering variety, with clusters of bloom, of a pleasing shade of pink, borne on strong stems. The foliage is heavy, with a mass of flowers above it, forming a pleasant combination.

Walter F. Sheridan is handling a fine grade of white Lilac.

The Futaba Garden, at 615 Madison ave., handles Japanese bulbs and dwarfed trees exclusively.

A fine electric sign has been placed in front of The Flower Shop, 136 West 42d st.

Frank Good, who recently severed his connection with J. K. Duer of 644 Madison ave., is now with S. A. Anderson of Buffalo, N. Y. A. Stapleton is his successor in Mr. Duer's store. A. Pengel, formerly with Salter Bros., of Rochester, N. Y., is the new assistant at the store.

The dinner committee of the New York Florists' Club held a meeting on Thursday afternoon of this week, to consider a date for the annual dinner.

Manager Coan of the Growers' Cut Flower Co. says that if his shippers continue to increase their products as has been the case the past few weeks, it will be absolutely necessary to secure larger quarters.

The Orchid Florist of 69th st. and Columbus ave., has sold out to Chas. D. Foley, son of J. J. Foley of the Bowery.

Alex. McConnell had the decorations at the opening of the new mansion of George J. Gould, 857 Fifth ave. on Jan. 18. Orchids were the main feature of the decoration, some 3000 of which were used, presenting beautiful effects in the ballroom and salon, as well as on the dining tables.

The store window of this well-known florist was, this week, tastily decorated with immense sprays of Oncidium varicosum and Vanda cœrulea, the latter showing some wonderful colorings.

The Kervan Co. is handling immense quantities of Galax leaves, many of which are now being used by Violet growers when preparing their product for market.

J. K. ALLEN

WHOLESALE COMMISSION FLORIST

106 W. 28th St., New York

I have room to handle more consignments to advantage, of **Roses, Carnations, Violets, Valley, Tulips** and other stock. Highest prices. Prompt returns. Give me a trial. Your correspondence appreciated.

Tel. 167 Madison Square. Open 6 o'clock every morning

Please mention the Exchange when writing.

C. BONNET G. H. BLAKE
BONNET & BLAKE
Wholesale Florists
130 Livingston St., BROOKLYN, N. Y.
Telephones: 1293-1294 Main
Consignments solicited. Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Avenue and 26th Street
COOGAN BUILDING, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary

FORD BROS.
Wholesale Florists
48 WEST 28th ST., NEW YORK
Telephone, 3870-3871 Madison Square

GREATER NEW YORK FLORIST ASSOCIATION, Inc.
Wholesale Commission Dealers in Cut Flowers and Supplies
162 LIVINGSTON STREET, BROOKLYN, N. Y.
GEORGE W. CRAWBUCK, Manager

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
110 West 28th Street
Phone, 551 Madison Square NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888

WILLIAM H. KUEBLER
Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby Street
Tel. 4591 Main BROOKLYN, N. Y.

Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
55 West 28th Street, NEW YORK
Telephones 4626, 4627 Mad. Sq. Established 1891.

Charles Millang
Wholesale Florist
55-57 West 26th Street, New York
Branch: CUT FLOWER MARKET,
57 West 26th Street, Ground Floor
Telephone, 7062 Madison Square.

GEORGE SALTFORD
Wholesale Florist
CONSIGNMENTS SOLICITED
43 West 28th Street, New York
Telephone: 3393 Madison Square

MOORE, HENTZ & NASH, WHOLESALE COMMISSION FLORISTS, GROWER, AGENT, ADJOINING New York Cut Flower Co's SALESROOM, 55 West 26th St., New York.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York.

HENSHAW & FENRICH
51 West 28th St. Wholesale Commission Florists NEW YORK
Phones: 325, 5582 and 5583 Madison Square
A Complete Supply of CUT FLOWERS, and Room and Demand for More.
Please mention the Exchange when writing.

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664--1665 MADISON SQUARE
ENOUGH SAID

PHILIP F. KESSLER 55 & 57 W. 26th St., New York City
Commission Dealer, Wholesale Buyer and seller of
CUT FLOWERS
Open from 8 a. m. to 6 p. m. Sunday till 10 a. m.
Tel., 5243 and 2921 Madison Sq. Res., 345 J., Newtown
Finest Lilies in the Market Every Day in the Year.

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, January 19th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—		CARNATIONS—	
A. Beauty fancy—special	35.00 to 50.00	Inferior grades, all colors	.... to 1.50
" extra	25.00 to 35.00	Standard Varieties: White	2.00 to 3.00
" No. 1	10.00 to 20.00	Pinks	2.00 to 3.00
" No. 2	6.00 to 10.00	Red	2.00 to 3.00
" No. 3	4.00 to 6.00	Yel. & Var.	2.00 to 3.00
Killarney	3.00 to 12.00	*Fancy (* The highest grades of Sta'd varieties): White	3.00 to 5.00
White Killarney	3.00 to 12.00	Pinks	3.00 to 5.00
My Maryland	3.00 to 12.00	Red	3.00 to 5.00
Richmond	3.00 to 12.00	Yel. & Var.	3.00 to 5.00
Mme. Abel Chatenay	4.00 to 12.00	Novelties	5.00 to 6.00
Golden Gate	4.00 to 10.00	Gardenias, per doz.	1.00 to 4.00
Bride, Maid, fancy—spec.	8.00 to 10.00	Lilac, per bunch	.50 to 1.00
" extra	6.00 to 8.00	Lilies, Harrisii and Longi.	8.00 to 15.00
" No. 1	4.00 to 6.00	Lily of the Valley	2.00 to 4.00
" No. 2	2.00 to 4.00	Mignonette, per doz.	.50 to 1.00
Adiantum	1.00 to 1.50	Narcissus	1.00 to 2.00
Croweanum	.... to 1.50	Orchids, Cattleyas	25.00 to 50.00
Antirrhinum (per bunch)	.50 to 1.50	Cypripediums	10.00 to 15.00
Asparagus, cut strings	25.00 to 50.00	Dendrobium Formosum	25.00 to 40.00
Plumosus, bunches	15.00 to 30.00	Pansies, per doz. bunches	.50 to .75
Sprengeri, bunches	15.00 to 30.00	Poinsettias per doz.	1.00 to 4.00
Bouvardia	2.00 to 3.00	Roman Hyacinths	1.00 to 2.00
Callas	10.00 to 15.00	Smilax (per doz. strings)	1.00 to 1.50
Daffodils	2.00 to 4.00	Stevia, per bunch	.15 to .25
Daisies	.75 to 1.00	Sweet Peas, per doz. bun.	.50 to 1.25
Ferns, hardy	.35 to .50	Tulips	2.00 to 3.00
Galax, green and bronze	.60 to .75	Violets, single	.25 to .50
....	.... to	" double	.25 to .60
....	.... to	....	.... to ....

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST. NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1996 Madison Square JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE CUT FLOWERS AT WHOLESALE

B. S. Slinn, Jr.
WHOLESALE FLORIST
55 & 57 West 26th St., New York
VIOLETS CARNATIONS AND ROSES
Shipping orders receive prompt attention.
Telephone: 3864 Madison Square

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
44 West 28th Street, New York and Cut Flower Exchange
TELEPHONES: 798 AND 799 MADISON SQUARE
CONSIGNMENTS SOLICITED

George Peters & Sons, the Carnation growers of Hempstead (L. I.) N. Y., are to have a Lord & Burnham iron frame greenhouse built, in connection with their present plant, this Spring; the new greenhouse is to be 50 x 400 ft. This will no doubt be the largest greenhouse on Long Island.

We regret to learn of the loss, by fire, of two of the five greenhouses of Thomas Jones, the well-known Orchid grower of Short Hills, N. J., on the evening of Jan. 10. Although the firemen were on the scene shortly after the alarm was turned in, it was some time before water could be obtained. It was necessary to lay the lines of hose across the Lackawanna tracks, and several trains were, in consequence, stalled. Many valuable plants were destroyed, and, it is understood there was only a small insurance on the buildings.

A thief who broke into the greenhouses of Emerson McFadden, Short Hills, last week, has been held in $1000 bail.

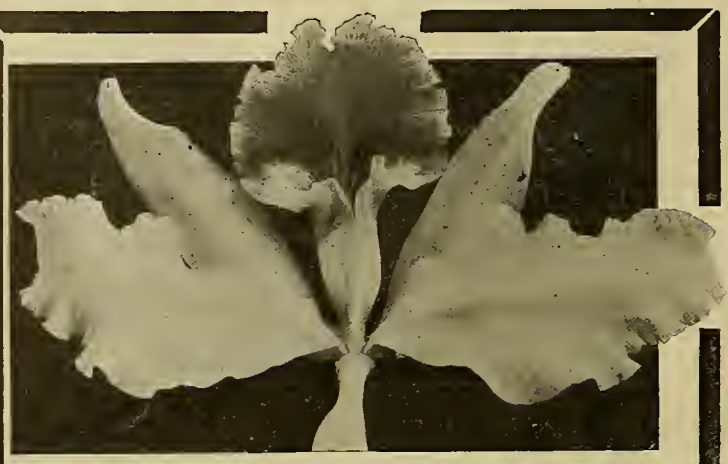
Frederick Kuhnert, of the firm of Kuhnert & Son, the florists of Hackensack, N. J., is trying to solve the problems of aerial navigation and, in a large shed, is building an airship upon entirely new lines, which will carry considerable weight and yet be small and safe. A model of good size was tried out some two months ago, and proved so satisfactory that the larger machine was determined upon. The construction shed is 30 by 60 ft. and the machine is expected to completely fill it. Mr. Kuhnert is already noted as an inventor of good things.

Some important changes in location are expected among the wholesalers on 28th st. this Spring. The store of the Manhattan Flower Market is to be occupied by Ford Bros., and Alfred H. Langjahr will occupy the present Ford store. A. L. Young's business is in no way affected by this arrangement, as he will concentrate all his energies at his store at No. 54.

Greek-Am. Florists' Ass'n. Ball

The third annual ball of the Greek-American Florists' Association was held at Terrace Garden, 58th st., on Monday, Jan. 17. It was a grand success from beginning to end, and the committee of arrangements deserves much credit for the able manner in which the program was carried out. The hall was decorated in a splendid manner, the decorations forming the chief subject of conversation. Hundreds of yards of Laurel roping were used, besides Christmas trees and other greenery. From the dome of the ceiling were suspended white doves, held by vari-colored ribbons, while myriads of small electric lights were dispersed among the greenery. The Greek flag, worked out in blue and white electrical effects was very striking, and many other features added to the general effect produced. At the opening of the grand march, live doves were liberated, and these circled above the dancers.

Dancing continued until the small hours, and was indulged in by all branches of the trade, including the entire wholesale district, which was fully represented. Since the ball, the one expression heard is that it was "a howling success," and will be long remembered as a night when everybody was made to feel as much at home as possible, while the social and convivial features will be recorded as the greatest in the history of this Society. Each person was given a miniature silk Greek flag, which will be kept by many as a souvenir of the occasion. President George D. Nicholas is to be congratulated on being at the head of a very live Society. The committee of arrangements was composed of: Geo. Polykranas, chairman, D. J. Pappas, J. Chiotes, G. Comatas, M. Rovatzos, D. Carlaftes, Theo. Malandrenes; floor manager, Z. Vaream; ass't floor manager, John Andriopoulos.



CATTLEYAS

Magnificent blooms, as choice as we ever offered.

Per doz. .....$7.50. Per 100.....$50.00.

CYPRIPEDIUMS. Per 100, $15.00.

GARDENIAS. Per doz., Special $4.00, Fancy $3.00, 1st. $2.00.

WILD SMILAX. (50 lb. case.) $5.00 per case.

GREEN LEUCOTHOE. 75c. per 100; $6.00 per 1000.
The Green to use, now much cheaper while other greens are in short supply.

BRONZE LEUCOTHOE. $1.00 per 100; $7.50 per 1000.

CARNATION SPECIAL For week ending January 29th in lots of 500 or more, good quality our selection, at $3.00 per 100.

RIBBONS. Some of the choicest novelties; exclusive patterns; an endless variety to choose from. **SUPPLIES** of all kinds.

CATALOGUE ON REQUEST

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of PHILADELPHIA and WASHINGTON

1608 to 1620 Ludlow St., Philadelphia, Pa. — 1212 New York Ave., Washington, D. C.

Stores close at 6 P. M.

Please mention the Exchange when writing.

Philadelphia

Philadelphia is now at its best, as far as the social season is concerned, and the interest, as well as apparent rivalry, participated in by some of the prominent society folk in efforts to outdo those events that have gone before, is greatly appreciated by the local florists. The recent Stotesbury party given at the Bellevue-Stratford Hotel called for thousands of flowers of all descriptions, while canaries flitted to and fro, singing as though their little throats would burst. It was rightly termed a "bower of beauty," and J. J. Habermehl's Sons deserve much credit for the decorations. The interest in the coming Widener party is intense, as promises of even greater surprises are made daily.

Business among the smaller retailers has been far from satisfactory the past week, owing to more heavy snowfalls, which have seriously retarded traveling, many of our side streets being entirely closed to traffic on account of the snow. Shipments of cut flowers have also arrived from two to six hours late, a condition which seriously handicapped the local business men.

The propagation of Dorothy Gordon Carnation is going on rapidly at Jos. Heacock's establishment, and the orders are coming in large numbers. The stock is very healthy, and no attempt is made to increase stock faster than Nature will allow, Mr. Heacock appearing to be very conscientious in this respect, and from all appearances everybody will get the same quality of stock as he would wish to keep for his own use.

The continued cold weather has proved a bonanza to Alfred Burton at Wyndmoor, and the ingenious ice making device fitted up by him a year ago is doing yeoman service. His stock of imported Orchids has turned out as well as he expected, and he hopes for better results next year, when the plants will be fully established.

EDWARD REID

Wholesale Florist

Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias

All other seasonable flowers

1526 Ranstead St., Philadelphia, Pa.

Headquarters in Western New York

For Roses, Carnations,

And all kinds of Seasonable Flowers

WM. F. KASTING CO.

Wholesale Commission Florists

Dealers in Florists' Supplies and Wire designs

383-87 Ellicott St., BUFFALO, N. Y.

Give us a trial—We can please you

The greenhouses of John Burton, although off crop, are now in first-class shape, all the plants appearing healthy and in good condition. Preparations for next year are being carried out, and propagation of American Beauty Roses is the order of the day.

Wyndmoor, Pa., where these and other large greenhouse establishments are located, is a leading factor in Philadelphia's American Beauty supply, a fact which should be borne in mind when visitors come to our city, as the quality of stock produced in this thriving suburb is second to none.

Gilbert Woltemate, who last Summer secured the Westerfield property at

Spring Flowers

We are offering quite a variety in that line now. It is a change from the regular line of stock, such as:

TULIPS	DAISIES
DAFFODILS	SWEET PEAS
WHITE LILACS	PUSSY-WILLOWS
PANSIES	DAISIES

THE LEO NIESSEN CO.,
Wholesale Florists
1209 Arch Street
PHILADELPHIA

Open from 7 A.M. to 8 P.M.

Please mention the Exchange when writing.

CRAIG'S SPECIALTIES

CYCLAMEN	$0.25	$0.50	$0.75	$1.00	$1.25	$1.50 Each
BEGONIA LORRAINE	.15	.35	.50	.75	1.25	"
AZALEAS APOLLO and HEXE	.75	1.00	1.25	1.50		"
NEPHROLEPIS SCOTTII	.50	.75	1.00	1.50	2.00	"
N. TODEAOIDES	.50	.75	2.50			"
N. AMERPOHLI	.50	.75				"
DRACAENA MASSANGEANA	1.50	2.00				"
D. FRAGRANS	.50	.75				"
ARECA LUTESCENS	1.50	2.00				"

All of the above stock of highest quality

ROBERT CRAIG CO., Market and 49th Streets PHILADELPHIA, PA.
And NORWOOD, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Jan. 17, 1910	Buffalo Jan. 17, 1910	NAMES AND VARIETIES	Phil'delphia Jan. 17, 1910	St. Louis Jan. 17, 1910
35.00 to 40.00	30.00 to 40.00	Roses—A. Beauty, fancy—special	40.00 to 50.00	20.00 to 25.00
25.00 to 30.00	..... to 25.00	" extra	25.00 to 40.00	12.50 to 15.00
15.00 to 20.00	..... to 12.00	" No. 1	15.00 to 25.00	8.00 to 10.00
5.00 to 10.00	6.00 to 8.00	" No. 2	6.00 to 10.00	4.00 to 5.00
4.00 to 10.00	6.00 to 15.00	Killarney	4.00 to 12.00	4.00 to 6.00
4.00 to 10.00	6.00 to 15.00	White Killarney	4.00 to 12.00	4.00 to 6.00
5.00 to 10.00	8.00 to 15.00	My Maryland	4.00 to 12.00	4.00 to 5.00
5.00 to 10.00	6.00 to 15.00	Richmond	4.00 to 12.00	4.00 to 8.00
3.00 to 6.00	4.00 to 10.00	Perle	..... to	4.00 to 5.00
4.00 to 10.00	..... to	Golden Gate	..... to	..... to .....
4.00 to 10.00	4.00 to 8.00	K. A. Victoria	..... to	..... to .....
8.00 to 10.00	12.00 to 15.00	Bride, Maid, fancy—special	8.00 to 10.00	5.00 to 6.00
6.00 to 8.00	10.00 to 12.00	" extra	6.00 to 8.00	..... to 4.00
5.00 to 6.00	8.00 to 10.00	" No. 1	4.00 to 6.00	..... to .....
3.00 to 5.00	4.00 to 8.00	" No. 2	3.00 to 4.00	..... to .....
..... to 1.00	..... to	Adiantum	1.00 to 1.50	1.00 to 1.50
..... to	..... to	Antirrhinum (per bunch)	..... to	..... to .....
25.00 to 50.00	..... to	Asparagus, Plumosus, bunches	20.00 to 40.00	..... to .....
25.00 to 50.00	..... to	" Sprengeri, bunches	15.00 to 35.00	25.00 to 75.00
..... to	..... to	Bouvardia	2.00 to 3.00	..... to .....
8.00 to 12.50	12.00 to 15.00	Callas	8.00 to 10.00	12.50 to 15.00
..... to	..... to	Chryasanthemums	..... to	..... to .....
1.50 to 2.00	..... to	Carnations—Inferior grades, all colors	1.00 to 1.50	1.50 to 2.00
2.50 to 3.00	2.00 to 3.00	Standard Varieties: White	2.00 to 3.00	1.50 to 2.00
2.50 to 3.00	2.00 to 3.00	Standard Varieties: Pink	2.00 to 3.00	1.50 to 2.00
2.50 to 3.00	2.00 to 3.00	Standard Varieties: Red	2.00 to 3.00	1.50 to 2.00
2.50 to 3.00	2.00 to 3.00	Standard Varieties: Yellow and var	2.00 to 3.00	..... to .....
..... to 4.00	3.00 to 4.00	*Fancy (*The highest grades of Sta'd vars.): White	3.00 to 4.00	2.50 to 3.00
..... to 4.00	3.00 to 4.00	*Fancy: Pink	3.00 to 4.00	2.50 to 3.00
..... to 4.00	3.00 to 4.00	*Fancy: Red	3.00 to 4.00	2.50 to 3.00
..... to 4.00	3.00 to 4.00	*Fancy: Yellow and var	3.00 to 4.00	..... to .....
3.00 to 5.00	..... to	Daffodils	2.00 to 4.00	3.00 to 4.00
..... to	.75 to 1.50	Daisies	1.00 to 2.0	..... to .....
..... to .15	..... to .15	Ferns, hardy	..... to	..... to .12
1.00 to 2.00	..... to	Freesia	..... to	..... to .....
..... to .10	..... to .15	Galax, green and bronze	..... to	..... to .12
2.00 to 2.50	5.00 to 9.00	Gardenias, per doz.	..... to	..... to .....
..... to	..... to	Lilac	.50 to 1.00	..... to .....
..... to 12.50	..... to 15.00	Lilies, Harrisii and Longi	8.00 to 15.00	12.50 to 16.00
..... to 4.00	4.00 to 5.00	Lily of the Valley	2.00 to 3.00	3.00 to 4.00
3.00 to 4.00	3.00 to 5.00	Mignonette	1.50 to 4.00	4.00 to 5.00
2.00 to 3.00	2.50 to 3.50	Narcissus	1.00 to 2.00	..... to 2.00
..... to	75.50 to 100.00	Orchids—Cattleyas	50.00 to 60.00	..... to .....
..... to	15.00 to 20.00	Orchids: Cypripediums	10.00 to 12.50	..... to .....
..... to	..... to	Orchids: Deodrobium Formosum	30.00 to 40.00	..... to .....
..... to	..... to	Pansies, per doz. bunches	.50 to .75	..... to .....
2.00 to 3.00	2.00 to 3.00	Roman Hyacinths	1.00 to 2.00	1.50 to 2.00
..... to 20.00	..... to 15.00	Smilax, (per doz strings)	1.00 to 2.00	..... to 1.25
..... to	.25 to .30	Stevia, per bunch	.15 to .25	..... to .20
1.00 to 1.50	.75 to 1.25	Sweet Peas, (per doz. bun.)	.60 to 1.00	.25 to .75
..... to 3.00	..... to	Tulips	1.50 to 3.00	..... to .....
..... to .75	..... to	Violets, single	.60 to .75	.40 to .60
..... to 1.00	1.00 to 1.50	" double	.50 to 1.00	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

F. E.—The Best Advertising Medium

Wyndmoor, hit upon a good idea when he planted one of the greenhouses entirely with Sweet Peas, these having proved a very profitable crop. The planting, in a solid bed, with vines 10 feet high and filled with flowers, present a fine sight, both from an artistic as well as financial point of view. Callas, Snapdragon and Asparagus plumosus are some of the other products of Gilbert.

Watch these columns for the announcement of the date for ladies' night at the rooms of the Florists' Club of Philadelphia. The club room committee is anxious to make a complete success of the affair.

Edw. Reid journeyed to Richmond and Norfolk, Va., recently, his store meantime being in charge of "Stewart" who evidently fills the bill O. K.

Berger Bros. are handling some of the finest Marguerite Daisies ever seen in this market. J. Berger has recovered from his injury and is again on the job.

Robert Craig has just returned from Boston, Mass., where he went in the interests of the S. A. F. to consider the schedule and other matters relating to the coming National Flower Show of 1911, to be held in the City of Beans.

Wm. J. Baker is receiving Smilax in large quantities, and is handling quite a number of single and double Daffodils.

Arthur Niessen says that growers should realize that flowers are just as necessary after the holidays as during the days just preceding them, and that it might be better for all concerned if growers would not resort to unnecessary practices to bring their products in all at once, thus serving the double purpose of maintaining the vitality in the plants as well as stringing out the supply of flowers, a fact strongly emphasized during the past few days, when several growers have been heard to say, "No more for me," meaning of course, steady supply, and no more spasmodic efforts to ruin their plants. Taken all in all, and considering the extra labor put forth to secure a few extra dollars for two or three days, to say nothing of the added expense of coal bills, one wonders if there is really anything in it, especially when facts prove that through this month the average of prices, according to quality, has been equal to that of any other month.

Gardenias and Cattleyas are offered by the S. S. Pennock-Meehan Co., while special lots of Carnations at reasonable rates should prove advantageous to shipping business, when quantities of these flowers are wanted.

Detroit

No startling feature of any kind has appeared at the local outpost of floricultural activity. Our annual January snowstorm was of greater liberality than usual and all business was greatly interfered with for two days. Prices are normal, Carnations retailing at from 75c. to $1; Roses $1.50 to $5, Am. Beauty $3 to $10 per dozen; Violets, $2.50 per 100. Azaleas and Lilac, in pots, are coming in and selling well. The greenhouse men are very busy getting their Lilies and Crimson Ramblers ready for Easter, all of them having well founded hopes for a great Easter trade.

Notwithstanding the heavy blizzard, young and old responded liberally to the call for the annual florists' dance. While friends are invited, it always works out to be a genuine family affair and Papa Sullivan increases the enthusiasm by playing his old violin.

The news of the natural gas explosion which wrecked the flower store of friend Tuson in Windsor was received with great sorrow here. He had a very nice, neatly fitted up store in a building of his own, on the principal business street. To be deprived of its use at this season of the year seems very lamentable. Still, considering that nobody got seriously hurt and Mr. Tuson, who so unwittingly started the trouble, escaped with a general shake up, it is simply miraculous. For several days a strong odor of gas, which is used to heat the building and adjoining greenhouse, was noticed. On the eventful morning Mr. Tuson started to light a cigar and the same moment all four plate glass windows were blown to atoms. A heavy iron table and typewriter were blown 30 feet; most of the glass in the greenhouse was broken and the interior in general was badly wrecked. A few hours after this catastrophe laborers of all kinds were busy repairing the damage, and business will be rseumed in a few days. FRANK DANZER.

Pittsburgh

Trade conditions have changed but little since last week; fairly satisfactory is the general verdict. Some fine Roses were to be seen, particularly Killarney, and a few Mrs. Jardine. Carnations are in prime condition, quoted about 3c. and better for first-class stock. L. Harrisii are quoted at $2 per doz. wholesale, a good price.

Gustave Ludwig is absent from the stand in the North Side Market, home in bed under a doctor's care.

Ed. McGrath, who has been with Breitenstein & Flemm for many years, has accepted a position with H. Blind & Bro. at the Liberty ave. store.

Holland Bulb agents are about the only visitors we've had lately; quite a few of them are already in the field.

E. C. REINEMAN.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Jan. 17, 1910	Pittsburg Jan. 17, 1910	NAMES AND VARIETIES	Boston Jan. 17, 1910	Detroit Jan. 17, 1910	Cincinnati Jan. 17, 1910
to 25.00	40.00 to 50.00	Roses—A. Beauty, fancy—special	30.00 to 60.00	to	30.00 to 40.00
18.00 to 20.00	20.00 to 30.00	" extra	20.00 to 80.00	30.00 to 40.00	to
12.50 to 15.00	10.00 to 15.00	" No. 1	10.00 to 20.00	15.00 to 25.00	to
4.00 to 8.00	6.00 to 8.00	" No. 2	to	10.00 to 15.00	to
to	6.00 to 8.00	Killarney	4.00 to 16.00	6.00 to 10.00	to
to	6.00 to 8.00	White Killarney	4.00 to 16.00	4.00 to 10.00	to
to	6.00 to 12.00	My Maryland	to 16.00	4.00 to 8.00	4.00 to 8.00
4.00 to 8.00	6.00 to 15.00	Richmond	to 16.00	4.00 to 10.00	3.00 to 8.00
4.00 to 6.00	to	Perle	to	to	to
to	to	Golden Gate	to	4.00 to 8.00	to
4.00 to 8.00	to	K. A. Victoria	to	4.00 to 8.00	to
to 8.00	to 12.00	Bride, Maid, fancy—special	4.00 to 8.00	to	4.00 to 8.00
to 6.00	to 10.00	" extra	to 4.00	8.00 to 10.00	to
to 4.00	6.00 to 8.00	" No. 1	to	6.00 to 8.00	to
to	to 4.00	" No. 2	to	4.00 to 6.00	to
to 1.00	1.00 to 1.25	Adiantum	.75 to 1.00	1.00 to 1.50	to
to	to	Antirrhinum, (per bunch)	to	to	to
to 30.00	30.00 to 60.00	Asparagus, Plumosus, bunches	to 50.00	20.00 to 30.00	to 25.00
to 30.00	20.00 to 30.00	" Sprengeri, bunches	to 50.00	20.00 to 30.00	to
to	to	Bouvardia	to	to	to
to 12.50	to 12.00	Callas	10.00 to 12.00	15.00 to 20.00	10.00 to 12.00
to	to	Chrysanthemums	to	to	to
to	1.00 to 1.50	Carnations—Inferior grades, all colors	to	to	1.00 to 3.00
1.00 to 2.00	to 2.00	Standard Varieties: White	2.00 to 3.00	1.00 to 3.00	to
1.00 to 2.00	to 2.00	Standard Varieties: Pink	2.00 to 3.00	1.00 to 3.00	to
1.00 to 2.00	to 2.00	Standard Varieties: Red	2.00 to 3.00	2.00 to 3.00	to
1.00 to 2.00	to 2.00	Standard Varieties: Yellow and var.	2.00 to 3.00	to	to
to 3.00	to 3.00	*Fancy (*The highest grades of Std'd vars.): White	to 4.00	3.00 to 4.00	to
to 3.00	to 3.00	*Fancy: Pink	to 4.00	3.00 to 4.00	to
to 3.00	to 3.00	*Fancy: Red	to 4.00	3.00 to 4.00	to
to 3.00	to 3.00	*Fancy: Yellow and var.	to 4.00	to	to
to	to 4.00	Daffodils	2.00 to 4.00	3.00 to 4.00	to
to .50	1.00 to 3.00	Daisies	to	to	to
to .20	to .15	Ferns, hardy	to	to .15	to
to	2.00 to 3.00	Freesia	4.00 to 6.00	4.00 to 6.00	to
to .20	to .12	Galax, green and bronze	to	to .12	to
to	to	Gardenias, per doz.	4.00 to 5.00	to	to
to	to 1.00	Lilac	to	to	to
to 12.50	to 16.00	Lilies, Harrisii and Longi	8.00 to 12.00	15.00 to 20.00	to
to	2.00 to 4.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00	to
to	4.00 to 6.00	Mignonette	2.00 to 4.00	4.00 to 10.00	to
to	2.00 to 3.00	Narcissus	to 2.00	3.00 to 4.00	2.00 to 3.00
to	to 75.00	Orchids—Cattleyas	35.00 to 50.00	to	to
to	to 20.00	Cypripediums	8.00 to 15.00	to	to
to	to	Dendrobium Formosum	to	to	to
to	to	Pansies, per doz. bunches	to 1.50	to	to
to	2.00 to 3.00	Roman Hyacinths	to	to	to
to 1.50	12.00 to 15.00	Smilax, (per doz. strings)	1.00 to 1.50	15.00 to 20.00	1.00 to 1.25
to .20	to	Stevia, per bunch	to	to .50	to
to 1.00	.50 to 1.50	Sweet Peas, (per doz. bun.)	to 1.00	.50 to 1.00	.50 to 1.50
to	3.00 to 4.00	Tulips	to 4.00	3.00 to 4.00	to
.75 to 1.00	.50 to .75	Violets, single	.75 to 1.00	.75 to 1.50	to
.75 to 1.00	.75 to 1.00	" double	.75 to 1.00	.75 to 1.50	to
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

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131 East 3rd St. CINCINNATI, O.

All Cut Flowers in Season.

—SPECIALTIES—

American Beauties Killarneys, Richmond, Maryland, Jardines, Brides. (Heller Bros. Stock.) Send me an order.

Greens of all kinds. Florist Supplies.

Wire Work.—This department manufactures the best work in the market. Send for Illustrated Catalogue.

Look over your stock and send me a trial order.

How about your "Hanging Baskets" for Spring?

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C. C. Pollworth Co.

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Headquarters of Western Pennsylvania Growers

937 Liberty Ave., PITTSBURGH, PA.

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HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee St., MILWAUKEE, WIS.

'Phone, Main 874. P. O. Box 103.

Please mention the Exchange when writing.

Boston

"The Use of Water in Commercial Gardening" was the title of the lecture in the regular Winter course at Horticultural Hall on Saturday. There was a good attendance and the speaker, who was H. M. Howard of West Newton, talked on the subject for over an hour and brought out many interesting and instructive phases of it.

The next lecture will be on Jan. 22. The subject will be "A Study of Continental Landscape Gardening," with stereopticon illustrations, by A. D. Taylor, Ithaca, N. Y.

There was a full attendance of the S. A. F. 1911 National Flower Show committee, on Friday and Saturday, and they put in enough hard work on the schedule to last for some time. F. R. Pierson presided and he kept the members busy during the whole of the meeting.

Chas. Roberts, who has had charge of the Duncan estate at Nahant for the past decade, has resigned and gone to take charge of the country estate of W. T. Barbier at Birmingham, Mich.

Peter Murray of Fairhaven is planning the erection of another house, 160x30. His crops at present are in excellent condition and, besides a fine lot of Carnations, he has an excellent showing of Lilies and Azaleas.

H. S. Dawson, manager of the Eastern Nurseries, is out again after having been confined to his home for two weeks with rheumatism.

F. J. Dolansky is extending two of his houses each 100 ft. more in length.

J. S. Manter has, besides his usual stock of high-grade flowers, some of the finest Mignonette seen in the market for a long time.

James Hamer is now assistant manager in the Park St. Flower Market.

Chas. Holbrow is about to erect two more houses, each 100x30.

Leonard Cousins will also add one house in the near future.

W. R. Pierson of Cromwell, Conn. let flowers take a back seat last week, his time having been taken up at the poultry show held in this city. Well, he managed to carry away ten Blue ribbons.

The Aphine Manufacturing Co. will give a public test of Aphine in the Park St. Flower Market on Saturday, Jan. 22.

Visitors this week have been quite numerous and included F. R. Pierson and J. R. Fotheringham, Tarrytown, N. Y.; A. N. & W. R. Pierson, Cromwell, Conn.; S. J. Reuter, Westerly, R. I.; Robt. Craig, Philadelphia; Jas. Robertson and Alex. MacLellan, Newport, R. I.; F. C. Green, Providence, R. I.

During the past five years the writer of these notes has derived much pleasure from the many friends he has met in gathering his items of interest and, in now severing his Boston connection with The Florists' Exchange, he wishes to express his appreciation of the kindly interest and assistance given him by his acquaintances among the growers, wholesalers and market men. This may come as a surprise to many, but a call has been received to a wider field and he feels that it is a duty to accept.

JOHN W. DUNCAN.

Kalamazoo

Another very heavy storm visited this section last week, demoralizing traffic and putting a few severe crimps into the transient business among the stores. However, there seems to be enough going on to use up all the stock obtainable, and as the sun still remains behind the clouds the increased cut expected has not yet materialized. This season has been, I think, the most cloudy and dark that the florists in this part have ever known, and there are no indications of anything brighter in sight. Skillful handling of Roses and Carnations has been required this Winter, and it is to the credit of the growers that the quality has been maintained so well. I think the cut has not been as great as usual, and with zero weather for days together the amount of fuel needed has made the cost of production very close to receipts. I suppose sometime even florists will realize that the prices of ten years ago will not suffice to meet the ever increasing expenses. Maybe, however, they expect the other fellow to "bust," and then of course they will get all the business and everything will be lovely.

Quite a lot of social events have occurred during this month and Van Bochoves and Fisher have had considerable praise from the local press for their work. This class of business seems to be on the increase, and at apparently profitable prices. I think on the whole more money is being spent this year here for flowers than ever before. S. B.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

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FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

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HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

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Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

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"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

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WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

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All telegraph and Telephone orders given prompt attention.

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ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

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All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Jan. 17, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	4.00 to	5.00
30-inch stems.. "	.... to	3.00
24-inch stems.. "	2.50 to	3.50
20-inch stems.. "	.... to	2.50
18-inch stems.. "	1.50 to	2.00
12-inch stems.. "	1.00 to	1.25
8-in. stems and shorts "	.75 to	1.00
Killarney	4.00 to	8.00
" extra	8.00 to	15.00
White Killarney	8.00 to	15.00
Richmond	7.00 to	15.00
My Maryland	5.00 to	10.00
Bride, Maid, fancy special	6.00 to	12.00
" extra	4.00 to	6.00
" No. 1	3.00 to	4.00
" No. 2	.... to	2.50
Perle	5.00 to	10.00
Chatenay	3.00 to	6.00
Kaiserin	.... to	8.00
Uncle John	.... to	8.00
Mrs. Marshall Field	.... to	8.00
Adiantum	.... to	1.00
Asparagus, bunch	.35 to	.75
" Sprengeri	.35 to	.75
Bonvardia	2.00 to	4.00
Calla Lily	15.00 to	16.00
Chrysanthemums doz.	.... to	....
" fancy doz.	.... to	....
Daisies	.... to	....
Daffodils	3.00 to	4.00

CARNATIONS			
Standard Varieties	White	2.00 to	3.00
	Pink	2.00 to	3.00
	Red	3.00 to	5.00
	Yel. and Var.	.... to	....
*Fancy (*The highest grades of Sta'd varieties)	White	3.00 to	4.00
	Pink	3.00 to	4.00
	Red	3.00 to	4.00
	Yel. and Var.	.... to	....
Ferns, hardy, per 1000		.... to	2.00
Freesia		.... to	3.00
Galax (green)		.... to	1.25
" (bronze)		.... to	1.25
Gardenias		30.00 to	50.00
Hyacinths, Roman		.... to	3.00
Lilac		.... to	....
Lilies, Harrisii and Longi.		15.00 to	20.00
Lily of the Valley		3.00 to	5.00
Mexican Ivy		.... to	1.00
Mignonette		4.00 to	6.00
Narcissus—Paper White		2.00 to	3.00
Orchids—Cattleyas		35.00 to	50.00
" Cypripediums		15.00 to	20.00
Pansies		.... to	....
Smilax		.... to	12.00
Stevia, bunch		.25 to	.50
Sweet Peas		.75 to	1.00
Tulips		.... to	....
Violets, single		.50 to	.75
" double		1.00 to	1.50
		.... to	....
		.... to	....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

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Chicago

No sunshine for fully two weeks, consequently stock has shortened up considerably, and this week people are running from place to place to secure what stock is desired, especially in Roses in all colors and grades. It is impossible to find enough stock to fill orders. White Roses have been scarce for some weeks past, but at this time all colored Roses are just as much so. Other flowers are about equal to the demand. These conditions in one way are beneficial, as better prices, are obtained by the growers for their stock on account of the scarcity.

The following announcement was received by the Chicago houses last week: "Notice is hereby given that on Jan. 11 Henry Payne of Hinsdale, Ill., was duly adjudicated a voluntary bankrupt, and that the first meeting of the creditors will be held at the Court House in Wheaton, Du Page Co., Ill., on Friday, Jan. 21." Mr. Payne is a well-known florist and built his first greenhouses in 1893. He had about 25,000 ft. of glass. His flowers were handled by the Chicago wholesale houses. Mr. Payne has found it an effort to keep things moving for several months, and several Chicago florists are among the creditors. Thos. S. Huntly was appointed referee.

A. Lange had the decorations for a banquet given by Jno. F. Smulski, ex-president of the West Park Board, on Saturday night last. The center pieces and table decorations were pink Killarney Roses and Ferns; the parlor and hall decorations were also carried out in a pink color scheme. Mr. Lange also had an elaborate wedding decoration same evening.

On Jan. 12, in honor of the occasion of Carl Cropp's twenty-fifth anniversary of his connection with Vaughan's Seed Store, the employees, both at the store and greenhouses, including the traveling men in Chicago and New York, presented him with a handsome mahogany desk for his home, as a memento of their good will. Mrs. J. C. Vaughan made the presentation in a charming address.

Leonard H. Vaughan in the bowling tournament of the Chicago Athletic Association, in a class of 40, bowled the highest score in singles, his score being 279 out of a possible 300. He won as a prize a handsome watch fob of Roman gold.

Mrs. Nellie C. Craig, wife of J. C. Craig, the florist, died, after a long illness, on Saturday last at her residence, 738 Oakley blvd., and was buried at Mount Carmel Cemetery on the following Tuesday morning. Mrs. Craig was 49 years old and had been a resident of Chicago for 46 years. She was the mother of Arthur, Herbert, Irene, Joseph, John O'Callaghan, Raymond and William Craig. The sympathy of the trade is extended to Mr. Craig and family in his bereavement.

Frederick Sperry, of Vaughan & Sperry, was on the sick list the past week.

A. J. Pieters, one of the principal contractors for seeds for the Government free distribution this year, is on his way from his ranch in California to Washington, D. C.

Chas. P. Braslan, of the Braslan Seed Growers' Co., San José, Cal., left Chicago Saturday, Jan. 15, en route for Washington, D. C.

D. I. Bushnell, the St. Louis seedsman, is spending some time in Mexico.

Albert McCullough of Cincinnati, O., spent several days in Chicago the past week. Alfred J. Brown, wholesale grower for the seed trade of Grand Rapids, Mich., was another visitor.

Horticultural Society of Chicago

The Horticultural Society of Chicago held its annual meeting at the Art Institute on Friday, Jan. 14. The election of officers was an important proceeding, and the following were elected: W. E. Kelly, president; W. N. Rudd, first vice-president; Ernst Wienhoeber, second vice-president; August Poehlmann, third vice-president; J. H. Burdett, secretary; N. H. Carpenter, treasurer; trustees for the term of two years, E. A. Kanst, C. A. Samuelson, Geo. Asmus, Geo. Haigh. A committee, consisting of N. H. Carpenter, Mr. Hutchinson and J. C. Vaughan was appointed to secure permanent quarters. The executive committee was instructed to secure a place for a show the coming year. Ex-treasurer Wienhoeber reported that the fund on hand amounted to about $830.

One of the Brant & Noe Floral Co.'s greenhouses, 38 by 100 ft., collapsed last week under the weight of the snow. The men who were in the house had a narrow escape.

Vaughan's Seed Store has been greatly improved by changes made in the interior. The large show window that was partly enclosed on the inside is now completely of glass, giving much more light, and adding greatly to the appearance of the front of the store.

The coal question was a very grave one with the Hoerber Brothers all last week, and grave fears were entertained as to the outcome, as their supply was about exhausted; but fortune favored them at the last moment, for on Sunday morning the first freight that had passed through Des Plaines in two weeks switched them two car loads of coal and everything is lovely now. The stock from this firm is excellent, and one could not find better Roses than are to be seen in their houses.

The D. D. Johnson Co. is very well satisfied with the results of the reception of their "Evergreen Brand" fertilizer. It is proving a good seller, as everyone is convinced, after a trial, that its qualities are unsurpassed.

The J. G. Mastin Co. has a big supply of the Mastin Automatic Sprayer ready for shipment, as large sales of them are practically guaranteed.

The John C. Moninger Co. has about completed the large building that has been in the course of construction for some time past, and the same is a great addition to their already extensive factory.

The occasional hauling of large Kroeschell boilers noticed in various parts of the city in the past few weeks indicates that the Kroeschell Brothers Co. is kept busy supplying boilers.

Osa F. Coryell, representative of the Chas. Knopf Floral Co., Richmond, Ind., was visiting among the suburban growers, around Chicago the past week.

Elmer D. Smith of Adrian, Mich., was also a welcome visitor among the trade on Monday. Other visitors were C. G. Anderson, Kenosha, Wis.; Ed. Amerpohl and wife, Janesville, Wis.; and Wm. Dittman, New Castle, Ind.

The Forestry Class of the Chicago Woman's Club, met Friday morning, January 21. Mrs. Ella Peattie delivered an address on different subjects relating to forestry.

The Geo. Wittbold Co. has the decorating of the Coliseum and Armory for the coming automobile show.

A change from Roses and Sweet Peas and other flowers usually carried by bridesmaids, was the baskets of Poinsettias carried at a recent wedding.

Bowling

The Bowling League met last Thursday night, January 13, at Bensinger's Alleys. The following scores were made:

Orchids	vs.	Carnations
2393		2608
Roses	vs.	Violets
2229		2238

Cincinnati

Business during the past week has been quiet. The demand for American Beauty Roses since Xmas has not been very encouraging; other Roses have sold fairly well, but prices have dropped back to normal conditions and the business has just about been sufficient to use up this class of stock. We are still having dark, gloomy weather, which will retard the blooms somewhat—possibly a good thing, as the demand is still very light. Best American Beauty is still selling at $3 and $4 per dozen; Killarney 3 to 8c.; Richmond the same, 8c. is about the limit now for good stock. Carnations are selling at 1 to 3c., according to quality.

On Monday evening, January 17, all members of the Florists' Society who are interested in the bowling are to meet at Weilerts and have a good time.

A letter received a few days since from my old friend, A. L. Aldrich of Orange, Cal.—Mr. Aldrich was formerly in the florist business in Springfield, O.—states that he is very much pleased with California, and calls it "God's country." He invested in some land, planted an Orange grove, the total cost of which was about $3000. Since that time he has been offered $10,000 for it.

Saturday evening, January 15, a serious accident occurred on the hill leading to College Hill. J. W. Rogers, park superintendent, and his father-in-law, Mr. Meyer, were in an auto going to College Hill. A lot of boys were coasting down this hill, which is about three quarters of a mile long, and going at the rate of a mile a minute. Mr. Rogers drove as near the bank as he possibly could, but the boys on the sled seemed to lose their heads, and crashed into the hind end of Mr. Rogers' machine. Mr. Rogers escaped without a scratch, but Mr. Meyer received a broken leg, and four or five boys are very seriously injured.

J. W. Herdegen of Aurora, Ind. was a caller Saturday. E. G. GILLETT.

READING, PA.—D. Kline has opened the Ideal Flower Shop, at 616 Penn st. E. H. Beears & Son, florists, have purchased the property at Ninth and Court sts., in which they conduct their store.

Evergreen Brand

A New Fertilizer

Specially manufactured for growing FLOWERS, FERNS, PALMS, etc.

It contains all the PLANT FOOD elements necessary to plant growth, and is compounded in proper proportion to get the best results in growing FLOWERS and PLANTS.

It removes Acid from the soil, consequently sweetens sour land and makes it productive.

It permanently enriches the soil.

It is all available.

Contains no "filler."

The plants can use it all.

Now Used by Largest Growers, With Excellent Results

JOHN W. POEHLMANN, PRES.
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1,500,000 Sq. Feet of Glass

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RESIDENCE: " " 1 AND 282

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GROWERS AND WHOLESALERS

Specialties

Roses, Carnations and Chrysanthemums

Store: 33-35-37 Randolph St. Chicago

Mail all Plant Orders direct to Morton Grove

Morton Grove, Ill., Oct. 6th, 1909.

Mr. D. D. Johnson

Dear Sir:-

We have used the 6 cans of Evergreen Brand Flower Fertilize shipped us Sept. 6th and noted remarkable results.

You may increase our second order of 500 to 2000 lbs. and ship soon as possible.

Yours truly,

Poehlmann Bros. Company.

Aug Poehlmann Sy

Odorless and Sanitary

It will annihilate all disease germs; thus it prevents stem rot and other diseases from destroying the plants.

The Price is Low

compared with common Fertilizers or Bone Meal, for when purchasing the EVERGREEN BRAND you get PLANT FOOD, hence eliminating the expense and handling of "filler" or "make weight" material usually found in large quantities in common Fertilizers.

It is immediately soluble in water. Can be used Dry or in Solution.

1 lb. to the 100 Square ft. of Benching

TRY IT. We have arranged to ship small quantities, as follows: Boxes containing 1, 2, 4, 6 or 8 cans each.

Cans contain 12 pounds. Price $2.00 per can. Terms net cash with order.

Full instructions with each shipment.

For Sale by All Leading Jobbers

D. D. Johnson Company

Manufacturers

66 Wabash Ave., CHICAGO

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Write for Catalog and Discounts.

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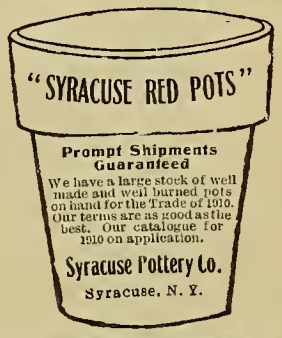

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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

	Price per crate.		Price per crate.
1500 2 in. pots in crate,	$4.88	120 7 in. pots in crate,	$4.20
1500 2¼ " "	5.25	60 8 " "	3.00
1500 2½ " "	6.00		
1000 3 " "	5.00	HAND MADE	
800 3½ " "	5.80	48 9 in. pots in crate,	$8.60
500 4 " "	4.60	48 10 " "	4.80
456 4½ " "	5.24	24 11 " "	3.60
320 5 " "	4.51	24 12 " "	4.80
210 5½ " "	3.78	12 14 " "	4.60
144 6 " "	3.16	8 18 " "	4.60

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.

August Rolker & Sons, Agts., 51 Barclay St., N.Y. City

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A HEARTY INVITATION

While the Carnation is up for its Annual Review we would esteem it a favor to hear from those who grow the plants. Send in notes on your experience with Carnations in 1909; together with any suggestions or criticisms you may have to offer. Do it now. Don't wait.

The Week's Work

BY

FRITZ BAHR

The Pittsburgh Convention

If There Is Any Chance At All, Attend It

If you are growing Carnations, even on a small scale, it is of the greatest importance that you should attend the coming convention of the American Carnation Society in Pittsburgh. The flowers shown there may have had special treatment, and been grown under the most favorable conditions and surroundings, such as the smaller grower can't think of giving them; also the flowers may have been selected out of thousands. Yet with all that, the only way to judge any new sort is to compare it side by side with existing varieties. The uptodate grower will not miss a show such as is to be held at the convention, he can't afford to. We may see a good stock on Carnation nights at the club at home, but what can be more instructive or interesting than to see exhibits from so many different parts of the country. Nowhere else have a lot of us a chance to see the possibilities of certain Carnation varieties than here. On the other hand, other novelties we have had great confidence in may be disappointing to us at the next show; so much the better to find it out now; at a show of this kind there is a whole lot any of us can learn. Someone has said that the improvement in newer Carnations will not be so noticeable, and that we shall not make as much headway in the future as we have been making, but, after all, this is only guess work. I don't see why we should take that view. I look forward to some new phenomenal variety to be brought out by someone we least expect, and in the near future.

Delphiniums and Gaillardias

Good Time to Sow Seed

Among the most widely known of the perennials, both the Larkspur, or Delphinium, as well as the Gaillardias might be mentioned; there is always a call for them, either as cut flowers or in Spring and Fall for the plants. If you are short on stock of either you can sow seed out now; by so doing nice plants in 2½'s can be had by the latter part of April, by which time they can be planted outdoors. Another good way is to give the strongest a shift into larger pots and keep them growing inside; quite a number of them can be disposed of during the bedding plant season. Don't overlook planting some seed of that grand Delphinium Belladonna. If sown now, you will have flowering plants before the Summer is over. Belladonna is one of the very best of the Larkspurs, is of a fine blue color and an excellent bloomer. In Gaillardias, the Kelway's Hybrids are a grand lot and should be grown. The better known is G. grandiflora, also beautiful, and one of the best perennials, being a constant bloomer. Plants grown from seed sown now will also bloom this Summer. While the Gaillardias are perfectly hardy perennials, the old plants don't seem to do as well when planted out for a number of years. The young stock grown from seed is more vigorous, blooms freer, throws larger flowers and longer stems. I don't know but what this is the case with most of the hardy plants. No matter how they are propagated, whether by seed, cuttings or division, the young stock is superior to old field-grown clumps.

Maurandia Barclaiana

Great Value as a Vase or Basket Plant

This is one of the plants which, if not grown in your own greenhouses, you have trouble in buying on the open market next Spring. The man who uses but little outside of Nutt Geraniums and Vincas for the filling of his window boxes has but little use for small leaved dainty little trailers such as the Maurandias are; but for those who have customers who wish more of an assortment it is of importance. The mistake the average florist makes in growing them is that he sows his seed in March, puts 7 or 10 of the little seedlings in a 2" pot, lets the plants grow into each other on the bench, and when some are wanted in May it is almost impossible to untangle them. In this way the real value of the Maurandia as a vase or basket plant can not be judged. Seed ought to be sown at once. Sow thinly, for if fresh seed is made use of 95 per cent. will germinate. Transplant the seedlings into flats—when so doing you can put 2 or 3 plants together, not more; when large enough, pot up into 2½'s and later into 3's or 3½'s. Set the plants along the edge of a bench and don't allow them to get tangled; this is easily prevented by going over them once every week. In this way nice bushy plants in bloom can be had by May, plants 15 inches long, ideal for a window box or hanging basket. We never have enough of them, and it is only a question of room that we don't grow more.

Thunbergia Alata

A Plant Deserving More Attention

This is another valuable plant for the retail grower who has baskets, window boxes or vases to fill, where hanging or trailing plants are needed. There are but few combinations where a number of the yellow Thunbergia with the black center, or the white flowering variety, can't be used to good advantage, but the same mistake often made with the Maurandias is also made with the Thunbergias—not sufficient attention is paid to their culture. If only used to fill up, a poorly grown plant might do, but why not grow fewer and better plants? It costs but very little more to do. A 3" or 3½" pot plant of Thunbergia, branches 12" long, and from 12 to 15 open flowers, is worth a dozen straggly 2½" pot plants. You can't grow these plants properly when put pot on pot on a bench. While the main object is to grow as large a plant in as small a pot as possible, to have a Thunbergia at its best it really requires more than a 2½" pot. Let the plants have a place along the edge of the bench where they can hang over. About the end of January is none too early to sow out some seed. A lower temperature than 55° is liable to cause yellow foliage on the plants; a little higher is better. As soon as the seedlings have their first leaves properly developed put them into 2's; this will be about the end of February. They can remain in them for 4 to 5 weeks, when a shift into larger pots is in order. Thunbergia seed when old is useless, and even the fresh seed will want a good bottom heat to germinate. Use a good, rich soil for the Thunbergias, and don't allow red spider, their worst enemy, to disfigure the leaves. A rather moist atmosphere and warm quarters will suit them best.

Nierembergia Gracilis

This Useful Plant Should Be Grown More

This beautiful little flowering plant might also be classed with the Maurandias and Thunbergias, for it is equally as useful as either for the window box or vase. Its fine feathery growth forms a happy contrast against the heavy foliage of the Vinca or the Geranium, the two main factors, usually, in the filling of most of such work. It is a continuous bloomer and its light blue or white single flowers hardly ever interfere with any other colors. More of them should be used by the retail grower. It can't be bought, when in need of it, as easily as some of our other plants used for bedding or window box filling; the best way is to have a good stock on hand. Plants which have been carried over in pots will, when put into a temperature of 55°, soon furnish a lot of good cuttings, which will easily root and quickly make nice material for 2½" pots; or seed may be sown now, which will furnish nice stock by May. As the seedlings are rather slow during the next two months no time should be lost in getting started at once. The plants will do well in almost any soil not too heavy.

Glechoma

The Time to Get the Plants Started.

If you have stock plants of Glechoma, the variegated Ground Ivy, which were kept up to this time in the cold house or outdoors in a frame, it is not too soon to bring them into warmer quarters; we usually pot them up during August and September into 4" pots. By the end of this month, or the beginning of February, we divide the plants into 6 to 8 small pieces and pot them up separately into 2½'s. There will be but little growth noticeable until the end of March, when one can almost see them grow. If plenty of stock is on hand no pinching back will be required. The plants will make 20 inches of growth by May and furnish the very best of material for baskets and window boxes. If short on stock the young shoots of the plants will root in a week, and 5 or 6 of them, potted up into a 2½" pot, will make nice stock by Spring. I forgot to mention that the stock which is put into 2½'s now will need a shift into 3 or 3½'s in about 6 weeks from now. It doesn't pay to use larger pots when the plants are wanted for vase or basket filling, but if plants can be disposed of singly in pots, specimens in 4" and 5" pots make a great showing.

Petunias

Those of us who handle bedding stock have a call for Petunias. There are, continuously, new varieties coming out, some of them excellent for bedding and vase work, especially medium sized single sorts. Rosy Morn, with its clear, pink color, is one of them. One of the drawbacks of the Petunias is the coloring some of them have, that blue or purple which we find in most of the pink ones. Rosy Morn is free from that, and it is one of the freest of bloomers and ideal for bedding. Howard's Star comes almost true from seed now, and is another good sort to grow. While there is plenty of time yet to sow either of these, if any of the double sorts are to be grown from seed, it isn't one bit too early to get started. There is always call for extra strong plants in bloom in 4" and 5" pots during May, and when well grown even the large fringed single varieties make a fine pot plant. As with lots of other plants, buy the best double seed that is offered by your seed houses, this will give a good percentage of doubles and the balance will be good single ones. For a white one suitable for veranda boxes and vases, the old favorite Snowball is still one of the best, and while, especially where there isn't the best of care taken in watering, Petunias suffer when used in window boxes, we are still using them, particularly when it is the wish of the customer. A one dollar package of double Petunia seed doesn't look much, one thousand of these little seeds make but a small pile, but it depends entirely on how careful you are in sowing them out as to what luck you will have—that is if the seed is new.

Propagating

Bouvardias and Hydrangeas

While these two do not require the same treatment, it is time for both to be propagated, if young stock is wanted, with the Hydrangeas especially. From now on the plants expected to be in bloom for Easter and Decoration Day will usually furnish plenty of side shoots or growth from below the flowering stems, just the thing for cuttings. As they come along remove and place into the propagating bench. A little bottom heat will help to root them. In a Carnation house temperature cuttings rooted now will make the right stock for either field culture during the Summer, or where they are grown in pots entirely. Good results can be had either way if proper attention is paid to them. The Bouvardias used to be propagated almost entirely by, or rather through root cuttings. For this purpose the roots are cut into pieces averaging about one inch in length. These are laid in flats, on about one inch of sandy soil and covered with a thin layer of the same material. In this way, when exposed to a gentle bottom heat, almost every piece will produce a little plant, sometimes even two. This method is still practiced where large quantities are grown. When, however, plenty of stock is on hand and not a great many cuttings are wanted, propagation from soft wooded cuttings made from now on will answer as well. Cut the plants which have been blooming back a little when the young growth is about 2" long, and you will have good cuttings for the sand; they want a little bottom heat and a 55° house.

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Violets

Seasonable Hints on Culture

With the Violets, as with all of our other stock we grow indoors, yes! and out of doors as well, don't wait until the plants are diseased or full of insects. There isn't another plant we have indoors which suffers more when allowed to have a few spotted leaves on it than the Violet. In no time the whole bench will be infested, so look out for this. You may, during the holiday rush, have overlooked matters, but there is no excuse now. You can't spend time any better than in removing every bad leaf, if it should take every one the plant has got. Don't allow any broken off or decayed leaves to lay about on top or under the benches. Watch the condition of the soil—continuous cultivating will keep it sweet. In zero weather, when heavy firing is necessary, certain places or spots on the bench may dry out sooner than others. Maintain an even temperature, and whatever you do, don't try to raise the temperature in order to get more blooms. I am not talking to the man who has grown Violets for years, but to the beginner. There isn't any time set for propagating, but the end of January is not too early to begin. Use only the very best of stock for this purpose, even a healthy looking cutting from a sick plant is not fit for the purpose. The next great day for Violets is St. Valentine, and then Easter. If the plants are in good shape now they ought to give a good yield for both of these days. Watch the ventilators; whenever possible open them, it will help to keep the stock healthy and the flowers large.

Baltimore

Business has been fairly good since the holidays. There is a sufficient supply of good cut flower stock. Weather conditions have been anything but favorable, and snow, alternating with rain and slush, has been the order for two weeks past. There have been a few very cold and windy days, requiring close attention and extra heavy feeding of boilers.

During the past week Baltimore has seen several society events of considerable magnitude, which required large quantities of first-class cut flowers and decorative plants.

The Assembly Ball, which was held at the Belvedere, was a scene of beauty and gaiety. Five hundred persons were present, the contribution for this event being $100 for each participant. A committee of five society ladies conceived an idea of converting the ballroom of the Belvedere into a "Garden of Eden." Geo. L. Black, with a corps of assistants, and under the supervision of the committee of ladies, attended to the floral decorations, which consisted of almost everything in choice cut flowers, Palms, greens, etc., with Cedars and Southern Smilax as a background. Many Azaleas, Lilies and Primroses were used. A pleasing contrast and a special feature were four great French baskets of gold, filled with yellow Roses tied with broad yellow ribbons. The general scheme of color, however, was red and white. Many silver baskets filled with red and white Roses and Ferns were suspended from ceilings and arches, and others were placed upon windows and tables. The candle shades were of white and silver, with white Tulips.

Another event of note was the true Maryland dinner given by General and Mrs. John Gill of Baltimore to J. Pierpont Morgan of New York. The decorations of the Gill manston consisted of choice exotics, Orchids, American Beauty Roses and white Lilies.

John Cook, our rosarian, is still sojourning in the sunny and tropical South; he writes to his friends from time to time and states that his health is much benefited. C. L. S.

Again we are in the clutches of the old time Winter. Snow fell heavily on last Thursday, and by Friday was nearly a foot deep. Our roads were in bad condition and many growers could not get to town until Saturday; but no glut of cut flowers was apparent on the market, as the weather has been very gloomy, with little sunshine, which helped to keep our large output from excess. The death rate has been large and the retailers have been kept exceedingly busy, many designs being called for. Many suppers, balls, and entertainments are on the go, calling for some extra fine decorations. Southern Smilax is used in great quantities.

Our market florists have missed many market days on account of the bad weather, which entails a loss. They are offering in their little glass houses choice cut blooms of Carnations, some bulbous stock, and pans of Cyclamens. Their trade has been fair, most of them disposing of their stock. Prices have been a little high, due to the scarcity of blooms.

Bernheimer Brothers, proprietors of one of our largest department stores, have mailed out their circulars to the public announcing their plant and flower department. They have an uptodate florist in charge, doing all kinds of work at low prices. They dispose of great quantities of flowers and plants.

Matthias Thau of Govanstown has installed a new model boiler to replace the old boiler that cracked through the center. The accident occurred December 24 at 5 a. m. However, he considers himself lucky in only losing four Ferns, and the weather was extremely cold. He at once made arrangements and in two weeks the new boiler was installed and his large plant is now in fine condition.

Frederick Reitz, Franklintown, is offering to the trade a choice collection of bulbous flowers. Mr. Reitz is one of the largest Dutch bulb growers in the trade here.

Edward Muhle, Mondawin, has a mixed house of large and healthy Carnations, at present writing cutting heavily.

John T. Willheim, Gardensville, reports that his 'Mum season was a perfect success, he not losing the sale on a single flower. He is a very large grower, 'Mums being one of his specialties.

Albert Fiedler & Co. are sending out a large number of funeral designs made of Galax. They certainly show up well, and are very attractive.

Lohr & Fritze, Athol, are still cutting extra fine Roses, which find ready sale. Their new wagon is completed and makes a daily trip to town.

Isaac H. Moss, Govanstown, exhibited a choice lot of shrubbery at the Maryland Poultry Show, which attracted considerable attention. Samuel Feast & Sons also made a display of Palms and Ferns in the center of the large hall, which was tastefully arranged.

Many of our growers have inspected the new Culm furnace. It has attracted considerable attention and quite a few who have seen it have expressed the opinion that it is favorable to them. One of the points to be considered is the low cost of operating it. It is claimed to save a large percentage of the fuel expenditure. The writer expects to have the furnace thoroughly explained at the next Club meeting.

John Black, of E. Chase st., had charge of the beautiful decorations last week at the Assembly Ball at the Hotel Belvedere. J. L. T.

Greenhouse Material of Louisiana Cypress and Hot-Bed Sash Washington Red Cedar

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OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT.

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ROUND TILE

Earliest and easiest worked. Carries off surplus water; admits air to the soil. Increases the value. Acres of swampy land reclaimed and made fertile. Jackson's Round Drain Tile meets every requirement. We also make Sewer Pipe, Red and Fire Brick, Chimney Tops, Encaustic Side Walk Tile, etc. Write for what you want and prices. JOHN U. JACKSON, 50 Third Ave., Albany, N.Y.

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The Mastin Automatic White-Wash and Spraying Machine is Reliable, Practical and Durable

The tank is made of galvanized sheet steel, and in brass.
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The mixing device keeps the contents of the tank well stirred up from start to finish.
When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.
All parts are made to gauge, and may be had for repairs.
Ask your dealer about our **Extension Hose, Extension Rods,** and the **Mastin White-wash Nozzle** for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

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A HEARTY INVITATION

While the Carnation is up for its Annual Review we would esteem it a favor to hear from those who grow the plants. Send in notes on your experience with Carnations in 1909; together with any suggestions or criticisms you may have to offer. Do it now. Don't wait.

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

Not genuine without it.

All *our* bags have our guarantee tag on the bag, reading "Satisfaction or Money Back," and this trade mark

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F. E.—Best Advertising Medium

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3 Houses, 150x30—7 foot sides

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They are at Baldwin, L. I., and George Schuneman is the man who is growing them.

Planted in July, Mr. Schuneman began cutting the latter part of September. Instead of tearing them out about this time, they are climbing pretty near the ridge, 15½ feet high, and are loaded down with big blooms, and good for several weeks more cutting.

That's one of the things that have been done in light, tight, perfectly ventilated and rightly heated houses.

It paid him to build Hitchings houses—it will pay you.

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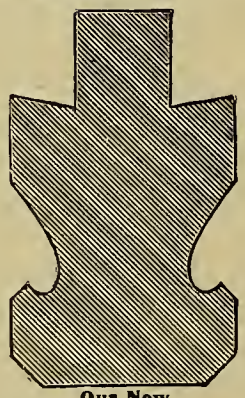

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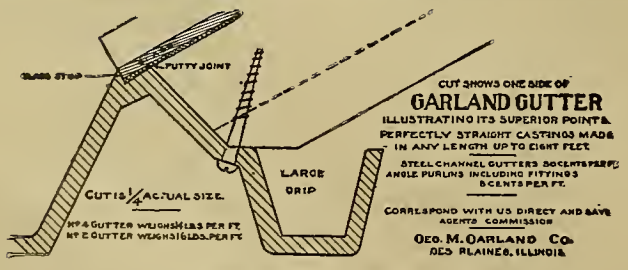

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F. E.—The Best Advertising Medium.

The Carnation Convention at Pittsburg

The Florists' Exchange issues of January 29, and February. 5, will be essentially Carnation Numbers. (See advertisement on editorial page.) Very many of our readers are equally interested with the disseminators in the behavior of all the leading varieties of Carnations on the market, and to these we extend a hearty invitation to send us in for publication a summary of their experience in 1909 and their suggestions for 1910—Write now while the mood is on you.

Southern Notes

We have certainly been having some cold weather; ten degrees above zero is awfully cold for us. The cold has been of such long duration that we have ice for a week at a time. Of course, the sun thaws everything in the day; this is more injurious than a continual freeze. Our plants have not suffered any serious injury, however, as the outdoor stock had begun no Spring growth. Last year many things were killed outright, but it was because the blizzard came in February, after over a month's warm weather.

During the holidays I visited some of the Atlanta growers. They all reported a satisfactory Xmas trade. The stores were expecially beautiful. The window decorations of Dahlias were very handsome. The Lorraine Begonias in the window of the Atlanta Floral Co.'s store were well grown. Indeed, it owuld be hard to decide who had the best.

At Nunally's greenhouses all was in first-class condition. Mr. Reeve, the efficient grower, was very kind to me. I met him several years ago, and each time I visit him, go away more charmed with his personality and friendliness. He certainly attends strictly to his business, as his place will testify. All his men are well pleased with his management of them. He has a young son about fourteen years old who is following in the footsteps of his sire. This establishment is the only one in Atlanta which grows Orchids. Mr. Reeve seems to succeed with them admirably. He has a fine collection of plants consisting of such varieties as, Lælia anceps. Cattleyas Trian& and Percivaliana, Lælia autumnalis, etc. There were several beautiful specimen plants in bloom. I also saw some lovely blooms at the store. In the Orchid house were some fine Formosum Lilies; these promise to do well. There were also some nice Cyclamens in this house. In the Palm house were some magnificent Palms and Ferns, in variety, all showing excellent culture. The strings of Smilax and Asparagus were of good color. The Asparagus had a good crop of seed and Mr. Reeve had already planted a quantity. I saw some magnificent Poinsettias, the largest bracts I've ever seen. Mr. Reeve said that they enjoyed an immense sale; all he had were engaged then. The Easter Lilies were making satisfactory growth and were free of insect pests; only a few diseased ones had been found. Mr. Reeve's specialities are Carnations and Roses. While they do not grow such a great quantity, the quality is par excellence. The Carnations were the best I ever saw. The plants carried perfect blooms on extra long stems. All the leading varieties are grown. They grow no American Beauty Roses at Nunally's; Richmond is grown for red. Killarney is a favorite here, although I can't see why people should be so enthusiastic about it. Kaiserin does well here in Winter. Mr. Reeve had one house in preparation for Easter. I never spent two hours more profitably with anyone. More enjoyable than all was Mr. Reeve's reminiscences of his boyhood days in old England. He told me how the people raised flowers there and how saving they were. His love for the mother country is strong and true. We are all one people really. Mr. Reeve spoke of going back to visit the scenes of his youth ere his life journey ends. I appreciate Mr. Reeve's kindness to me more than I can tell. We should all be more unselfish and not be so envious and jealous. Let us be more in harmony with the plants we grow and love. The Nunally range consists of about sixteen houses, 200 by 20 ft. They are heated by steam. It's a problem to heat Southern greenhouses. Often the temperature will register between 10° and 20° above zero at sunrise, then by 10 o'clock there will be no need of any heat. There are never two days alike. Of course one's coal bill isn't so great, but the worry is rather expensive. The Japanese Irises grown here are truly grand. It seems strange that they are not more generally grown in the South. The culture is remarkably simple. Last Spring when I visited Mr. Reeve they were in full bloom and the sight was truly wonderful. The clumps are immense.

Mr. Barnhart can praise wonderful California but dear old Georgia is good enough for yours truly. We have no unusual things but the skillful man can work wonders with plants even here.

J. C. S.

Schenectady, N. Y.

Local florists are quite encouraged by this month's business; with some it exceeds last January's. Several small dinner parties have added many orders. Receptions and dances are numerous; however flowers are not as much used here for such occasions as in some other cities. Funeral work is holding up in good shape.

B. F. S.

Milwaukee

Business the past week was unusually quiet, which was principally due to the continuous snowstorms which we had, which congested traffic and made it almost impossible to ship flowers out on time, as all express and mail was delayed and local trade was likewise demoralized.

Roses are somewhat off crop and are coming in rather light, and Carnations are quite plentiful and at the present writing there is quite a large proportion of them splitting up badly. Split Carnations on the market usually affect the price on the better qualities, to a great extent, especially in the light colors, for dealers buy these at reduced rates to put in design work, thus lessening the demand for the fancy grade of stock on the market.

Alex. Klokner is taking a trip to California.

C. C. P.

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and wide glass means more light—and more light means better plants, better blooms.
The catalog tells why they are the lightest, simplest, strongest, most durable, most attractive and productive houses built and cost less to maintain.
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After three years' experimenting and putting to actual test, we are prepared to book your orders for our Steel Forms by which means you can erect the neatest, most durable bench known to the grower to-day. Many perfectly pleased and satisfied customers on our books.

We invite correspondence.

WILSON-HOYT CO.
1 Madison Avenue NEW YORK

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THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

Send for Circulars **DILLER, CASKEY & KEEN.** Successors to JENNINGS BROS.
S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

Please mention the Exchange when writing.

The Carnation Convention at Pittsburg

The Florists' Exchange issues of January 29, and February. 5, will be essentially Carnation Numbers. (See advertisement on editorial page.) Very many of our readers are equally interested with the disseminators in the behavior of all the leading varieties of Carnations on the market, and to these we extend a hearty invitation to send us in for publication a summary of their experience in 1909 and their suggestions for 1910—Write now while the mood is on you.

Washington, D. C.

Peter Bisset, who some weeks ago accepted a position with the Department of Agriculture at Washington, is soon to start out on a 17 weeks' trip, taking in Cuba, Florida and California. This is significant of the high esteem and confidence manifested in that worthy gentleman by the Department, and his services will no doubt as time advances prove a great acquisition to the Government.

William F. Gude has been re-elected to the presidency of the Washington Chamber of Commerce by unanimous vote.

Prof. Charlemagne Koehler, who has been absent from Washington for about eight months, has returned to this city.

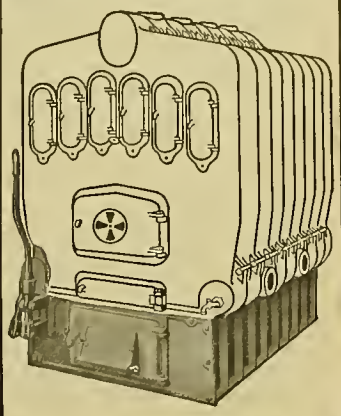
An unexpected and very premature glut of Carnations struck Washington during the week, and these flowers were hard to move.

Genial Edw. S. Schmid is always falling into new fields to be conquered, and invariably carries off the laurels. One day last week he decided to lay aside the cares and responsibilities with which he is daily surrounded and seek diversion at a poultry show being held in a small nearby Virginia town. When it became generally known Mr. Schmid was in town, the fond mothers hastily held a conference and decided to prolong the excitement of that memorable day as much as possible by also giving a baby show. They secured the services of one judge, and decided to confer the remaining honors upon their guest Mr. Schmid. Mr. Schmid blushingly declined, saying he had judged almost everything from a Japanese dancing mouse to a formidable tarantula, but never officiated at a baby show, and that all babies looked alike to him. The country folk knew no refusal and he was hastily and unanimously elected to his new office. Things went well until the contestants dwindled down to two infants, dressed in pink and blue respectively. The babies were enough alike to be twins, and the gaze of two rather handsome mammas wandered appealingly from the subjects to the judges; all was expectancy. After a whispered consultation it was decided to award the prize to the one in blue. "But what about the one in pink" said Mr. Schmid feelingly; and thereupon, as the committee had but one remaining prize, that big hearted gentleman began to feel for his pocket, and thus the last two contestants were each satisfied, and Edward S. has written a few lines in his experience book.

The bottom seemed to drop out of things during last week, and especially with Carnations, which are in excess of all demand. JAS. L. CARBERY.

F. E.—Best Advertising Medium

The Burnham



Why buy half a boiler and then get a mason to build the other half? When you buy a Burnham you buy a base too. No bricking in expense.

LORD & BURNHAM CO.
IRVINGTON, N. Y.
New York Boston Philadelphia Chicago

Please mention the Exchange when writing.

KEEP A
HOLLY STANDARD CIRCULATOR
busy and watch results.
SUB-TARGET GUN CO.,
STEAM ENGINEERING DEPARTMENT
216 High Street, BOSTON, MASS.

Please mention the Exchange when writing.

Holds Glass Firmly
See the Point
PEERLESS
FULL SIZE No 2
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.

Please mention the Exchange when writing.

For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS

N. COWEN'S SON,
14 & 16 Wooster Street, New York

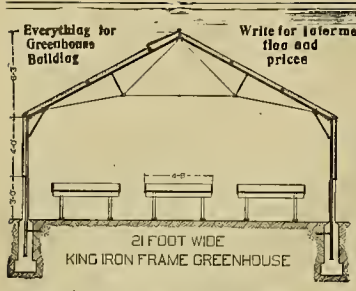
Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over Write for circulars and prices

The A. T. Stearns Lumber Co.
NEPONSET, Boston, Mass.

Please mention the Exchange when writing.



In Widths from 14'0" to 54'0" Without Posts

KING TRUSS SASH BAR HOUSES
IRON GUTTERS AND EAVES
VENTILATING MACHINERY

King Construction Company
N. Tonawanda, N. Y.

Please mention the Exchange when writing.

THINK THIS OVER

OUR factory has turned out more cypress greenhouses than any other factory in America. We have furnished the largest range in the world and the finest commercial plant in existence to-day. For forty years we have been in business. Greenhouses have been supplied to every State in the Union, to Canada and Mexico and to Europe. . . . There are more commercial greenhouses in the U. S. of our manufacture than of any other firm in existence. You can buy the house all complete from us, or we'll furnish any part of it. . . .

Greenhouse and Boiler catalogs sent free on request.

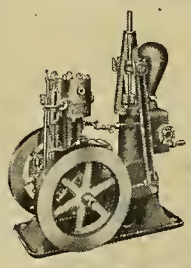
John C. Moninger Co.
CHICAGO, ILL.
906 Blackhawk Street

Please mention the Exchange when writing.

GREENHOUSE GLASS
ALL SIZES
16x24 A. & B. Double a Specialty
C. S. WEBER & CO.,
10 Desbrosses St., New York

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY



FOR WATER SUPPLY

A Standard Pumping Engine is more reliable than windmills and will furnish a much higher pressure. Catalogue on request—will tell you more.

THE STANDARD PUMP & ENGINE CO.
CLEVELAND, OHIO

Please mention the Exchange when writing.

DREER'S
Florist Specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.
The HOSE for the FLORIST
¾-inch, per ft., 15 c.
Reel of 500 ft., " 14½c.
2 Reels, 1000 ft., " 14 c.
½-inch, " 13 c.
Reels, 500 ft., " 12½c.
Couplings furnished.
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

Please mention the Exchange when writing.

The Carnation Convention at Pittsburg

The Florists' Exchange issues of Jan. 22 and 29, also of Feb. 5, will be essentially Carnation Numbers. (See advertisement on editorial page.) Very many of our readers are equally interested with the disseminators in the behavior of all the leading varieties of Carnations on the market, and to these we extend a hearty invitation to send us in for publication a summary of their experience in 1909 and their suggestions for 1910—Write now while the mood is on you.

For Good Serviceable **SECOND-HAND PIPE**
Our prices are—1-in. pipe, $2.52; 1¼-in., $3.55; 1½-in., $4.05; 2-in., $5.55; 2½-in., $8.50; 3-in. $11.00 per 100 feet. We also sell Boiler Tubes.
ALBERT & DAVIDSON, Brooklyn, N. Y.
Tel. 2225 Williamsburg 68-70 Troutman St.

Please mention the Exchange when writing.

Evans Improved Challenge
Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.
Write for catalogue and prices before placing your orders elsewhere.
QUAKER CITY MACHINE CO
RICHMOND, IND.

Please mention the Exchange when writing

SUMMER IN WINTER
BY USING
Standard Greenhouse Boilers
One cent gets our catalog.
GIBLIN & CO., Utica, N. Y.

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Greenhouse Material
STRICTLY RED GULF CYPRESS, milled to any detail.
SASH BARS, in all lengths up to 32 feet.
HOT BED SASH, a specialty.
FRANK VAN ASSCHE
150 Fulton Ave., JERSEY CITY, N. J.

Please mention the Exchange when writing.

Write to us about your
Materials and Plans
for any size and style of
GREENHOUSE
for new structure or repairs.

Hot-Bed Sash
in stock or any size required.

Pecky Cypress Benches
most lasting—least expensive.

THE FOLEY MFG. CO.
Western Ave. and 26th St.,
CHICAGO.

Please mention the Exchange when writing.

THE JUDGE MOORE RANGE AT PRIDE'S, MASS.

SECTIONAL IRON FRAME CONSTRUCTION

First, there was but the two compartment portion at the right—then a few years ago we added that charming octagon palm house and another two compartment wing. It now flanks two sides of the choice little formal flower garden.

What we have particularly in mind, is to tell you not to be discouraged because you want more houses and cannot seem to plan out an addition to your satisfaction.

Call us in, we have fifty years of greenhouse building experience to draw upon. Our salesmen, you will find are particularly resourceful, and know thoroughly the kinks of the business. You will find a satisfaction in doing business with them.

Write to us and we will write to you.

LORD AND BURNHAM COMPANY
IRVINGTON, N. Y.

NEW YORK St. James Building | BOSTON Tremont Building | PHILADELPHIA Heed Building | CHICAGO The Rookery

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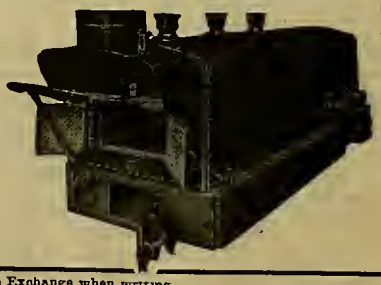
A. HERRMANN
Manufacturer of Floral Metal Designs
IMPORTER AND DEALER IN FLORISTS' SUPPLIES
FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK
Office and Warerooms; 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

Please mention the Exchange when writing.

THE KROESCHELL BOILER
IS THE ONLY PERFECT
HOT WATER BOILER



No. 1 FOR SMALL GREENHOUSES
No. 15 FOR A RANGE OF 50,000 SQ. FT. GLASS HEATED TO 60 AT 15 BELOW ZERO.
Prices and Catalogue on application.
KROESCHELL BROS. CO.
468 Erie Street, CHICAGO

Please mention the Exchange when writing.

SCOLLAY BOILERS
ARE BEST
For Greenhouse heating, Standard Cast Iron Greenhouse Pipe and Fittings
We are Headquarters for all sizes wrought iron pipe and fittings.
It will pay you to get our special quotations. We also contract for and erect Steam and Hot Water Heating apparatus in all parts of the country.
Illustrated catalogues free on application
JOHN A. SCOLLAY,
74-76 MYRTLE AVE.
BOROUGH OF BROOKLYN,
NEW YORK CITY.
Telephones, 1492-1493 Main.
U. G. SCOLLAY, Manager

Please mention the Exchange when writing.

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 5 — NEW YORK AND CHICAGO, JANUARY 29, 1910 — One Dollar Per Year

Wilder Hall M A C
Amherst MASS

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of the different varieties of

NEPHROLEPIS

which will be found one of the best-selling and most profitable plants that florists can handle. Our stock is in unusually fine shape, and we will guarantee it will please the most exacting, as it is exceptionally good value at the prices quoted.

Improved Elegantissima. The finest of all this type. It was introduced by us in 1905. This form of Elegantissima has been greatly improved, and shows no tendency to revert to the Boston, making it the most valuable fern of this type.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8-in., $12.00 to $18.00 per dozen—according to size.

Superbissima. Introduced by us in 1908. A very unique and distinct novelty. Its distinguishing characteristics are its dark green foliage and dense growth. Fronds are very heavily imbricated, making them very dense and compact.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8 in., $12.00 to $18.00 per dozen—according to size.

Bostoniensis, Piersoni, Whitmani, Scottii—Extra fine plants, 6-in. pots, $6.00 per dozen; 8-in. pans, $12.00 per dozen.

F. R. PIERSON CO. Tarrytown-on-Hudson New York

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

GRAFTED AND OWN ROOT ROSES

WHITE KILLARNEY (Waban Strain)

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.50 "	8.00 "	75.00 "

KILLARNEY

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

MY MARYLAND

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	6.00 "	50.00 "

RICHMOND, KAISERIN, BRIDES and 'MAIDS

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

CARNATIONS

We are now booking orders for Carnations. Pink Delight and May Day are our leaders in new varieties. Winsor, Beacon, White Enchantress and White Perfection in quantity.

CHRYSANTHEMUMS

The best of the new ones and the best of the standards. Commercial varieties exclusively. We are booking orders for both rooted cuttings and plants from pots for February and March delivery.

OUR CATALOGUE

Contains the Carnation and Chrysanthemum lists. It includes our Rose list and the bedding stock. You need our catalogue. If you haven't received one, send for it. We can handle your order whether it is large or small.

Please mention the Exchange when writing.

SPLENDID NEW CROP of

ASPARAGUS Plumosus Nanus

GOOD, HEAVY STRINGS, 50 cts. each

Exceptionally fine plants of

Asparagus Sprengeri

2 1/4 in. stock, $30.00 per 1000

W. H. ELLIOTT

BRIGHTON, MASS.

Please mention the Exchange when writing.

GERANIUMS

We have a fine stock in 2-in. pots, ready for immediate shipment at $2.00 per 100 and up. Our New Descriptive Catalogue and Price List is being mailed. If interested write us.

	100
IVY LEAVED GERANIUMS, 6 varieties	$2.00
SCENTED GERANIUMS, 10 varieties	2.00
VARIEGATED GERANIUMS, 5 varieties	3.00

We have a splendid stock in 2-in. pots, of the following:

DOUBLE LOBELIA, Kathleen Mallard		$2.00
ALYSSUM, Giant and Double		2.00
LEMON VERBENAS		2.00
FUCHSIAS, 6 varieties		2.00
COLEUS, Verschaffeltii and Golden Bedder		2.00
LANTANAS, 8 varieties		2.00
DOUBLE PETUNIAS, mixed colors		3.00
CANNA ROOTS, home grown, 1,000,000 good, strong division, at	100	1000 $18.50
King Humbert	$6.00	50.00
DAHLIA ROOTS, whole field clumps	5.00	40.00
Mixed to color		35.00

R. VINCENT, JR. & SONS CO.

WHITE MARSH, MD.

Please mention the Exchange when writing.

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GROUND HOG DAY

February 2d

CANES

For your Lilies, 6 to 9 ft.....Per 1000 $7.00
For your Lilies, 9 to 13 ft....Per 1000 13.00

	Per 100	Per 1000
LILY OF THE VALLEY PIPS	$1.40	$12.00
	Trade Pkt.	Per Oz.
AGERATUM, Imperial Dwarf Blue	$0.10	$0.20
ASPARAGUS PLUMOSUS NANUS.....1000 seeds $3.50		
ASTER, Perfection, in colors	.25	1.25
BEGONIA, Vernon	.25	2.50
BELLIS PERENNIS, named sorts	.25	1.25
CENTAUREA, Gymnocarpa	.15	.35
COBÆA SCANDENS	.15	.40
CYCLAMEN GIGANTEUM, in colors....100 seeds $0.75		
LOBELIA, Crystal Palace Compacta	.25	1.25
MYOSOTIS, Dwarf Victoria	.25	.80
RESEDA, Machet	.10	.25
SALVIA, Bonfire	.25	2.50
STOCKS, Large Flowering, in colors	.25	2.50
SWEET PEAS, forcing varieties.....Per lb., $0.75		
VERBENAS, Elliott's Mammoth	.25	1.00
VINCAS, in colors	.15	.50

WM. ELLIOTT & SONS
42 Vesey St., NEW YORK

Please mention the Exchange when writing.

To Our Florist Friends

FILL UP THE GAPS with GLADIOLI

(The Flower that is just coming into its own)

PLANTED NOW where Carnations have missed, you will have a profitable crop

Leading Varieties That Are Winners

	Per 1000
AMERICA, flesh pink	$35.00
ATTRACTION, crimson with white throat	30.00
EASTER, white, lemon tinge	12.00
SHAKESPEARE, white, suffused carmine	50.00

8% discount for cash with order

Our **White** and **Light Mixed** are equal to **any** in the world at **any price**

Write us for prices if your dealer does not carry our stock, which is noted for **superior merit.** We believe that we are the largest growers of **Gladioli** in the world.

JOHN LEWIS CHILDS, Floral Park, N.Y.

Please mention the Exchange when writing.

Sweet Peas

We carry in stock all the **LEADING** and **UP-TO-DATE VARIETIES,** and have **MANY TESTIMONIALS** as to **QUALITY** and **TRUENESS** of **TYPE.** Catalogues Free.

ARTHUR T. BODDINGTON, SEEDSMAN, 342 W. 14th St., NEW YORK CITY

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S. & W. Co.'s Begonias and Gloxinias

Our stock of these bulbs are the best and finest strains in existence; we have been supplying the same customers for the past ten years with our strains, and adding new customers each year.

BEGONIAS

SINGLE

Scarlet ... 1¼ to 1½ in.
Dark Red
Pink
Rose
White
Yellow
Orange
Salmon
Mixed

40c. per doz. — $2.50 per 100

DOUBLE

White
Yellow
Orange
Rose
Dark Rose
Dark Red
Red
Salmon
Mixed

65c. per doz. — $5.00 per 100

GLOXINIAS—S. & W. Co.'s Superb Strain

	Doz.	100
Emperor Frederick, red, bordered white	$0.75	$5.00
Emperor William, violet, bordered white	.75	5.00
Princess Elizabeth, white, bordered blue	.75	5.00
Mont Blanc, pure white	.75	5.00
Violacea, dark violet	.75	5.00
Madame Helene, white, crowned violet	.75	5.00
Princess Mathilda, white, bordered rose	$0.75	$5.00
Queen Victoria, dark rose	.75	5.00
Defiance, scarlet	.85	6.00
King of the Reds, deep scarlet	.85	6.00
Prince Albert, dark violet	.85	6.00
Finest Mixed	.60	4.00

Stumpp & Walter Co 50 Barclay St., NEW YORK

Please mention the Exchange when writing.

K. van Bourgondiën & Sons
HILLEGOM—HOLLAND

Extra Dutch Bulbs Extra

We beg to inform the Trade, that our Messrs. K. H. and C. J. van Bourgondiën have again arrived for their annual trips through the United States and Canada.

It will be of the greatest advantage to every firm needing **A 1 Bulbs** to correspond with us and give us a trial. Our many years of successful business in the United States, which every year has increased, clearly proves enough. Address until May 1, 1910

K. H. van Bourgondiën, Care MALTUS & WARE, 14 Stone St, NEW YORK

LILIUM TENUIFOLIUM

LILIUM WALLACEI
Single and Double TIGERS
Named Varieties of Elegans
GERMAN IRIS
DELPHINIUM FORMOSUM

E. S. MILLER
WADING RIVER, LONG ISLAND, N.Y.

Please mention the Exchange when writing.

SEED by the oz. or lb. **PANSIES** PLANTS 150,000

The Jennings Strain, fine field-grown plants, large-flowering, in great variety of fancy colors. Strong plants for cold frames, $3.00 per 1000, by express, 60c. per 100 by mail.

PANSY SEED, finest mixed, $5.00 per oz., $1.00 per pkt. of 4000 seeds. Sample of Pansy blooms by mail free.

SALVIA, Splendens and Bonfire. My Own Growing. Trade pkts. 25c. and 50c. each.

E. B. JENNINGS, Lock Box 254 Southport, Conn.
Grower of the Finest Pansies

Please mention the Exchange when writing.

TUBEROUS
BEGONIAS
LARGE PLUMP BULBS

	Doz.	100
Single White	$0.40	$2.25
Single Scarlet	.40	2.25
Single Crimson	.40	2.25
Single Yellow	.40	2.25
Single Pink	.40	2.25
Single Mixed	.35	2.00
Double, Separate Colors	.65	3.75
Double Mixed	.50	3.50

GLOXINIAS
Giant Flowering

Blue	.60	3.25
White	.60	3.25
Spotted	.60	3.25
Crimson	.60	3.25
Violet with border	.60	3.25
Red with border	.60	3.25
Giant Mixed	.50	3.00

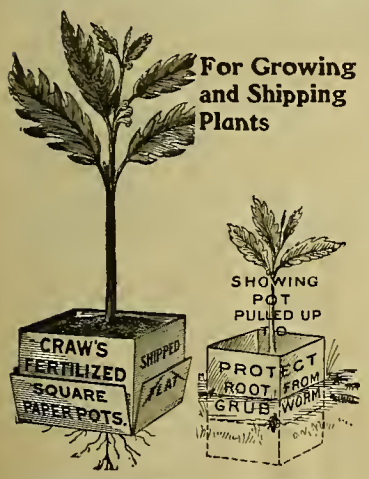
New Crop Flower Seeds ready. Write for our Wholesale List for Florists.

Johnson Seed Company
217 Market St., PHILADELPHIA, PA.
Please mention the Exchange when writing.

Seasonable Seeds
CALADIUM esculentum, Fancy Caladiom from Brazil. GLADIOLI, all sorts. Japan IRIS. Japan LILIES. Double-flowering CHERRIES for Easter. Send for our new Spring list. Ready by January 10.

H. H. BERGER & CO.
70 Warren St., New York City
Please mention the Exchange when writing.

S. & W. CO.'S
Fertilized Flower Pots
For Growing and Shipping Plants



Made of Extra Heavy Manila Waterproof Card Board, Fertilized, Wire Stitched Seams, Perfect Drainage and Shipped Flat.
If you grow Tomatoes or Pot Plants you cannot afford to pass over this.
These square pots economize space, give more room to the roots than the tapering round pots. In setting out plants the pots are not removed. Simply unlock the bottom flaps and turn them up (see cut), allowing the roots to grow down.

Size	Gross Weight Per 1000	250	1000
2¼ inch	about 30 lbs.	$1.00	$3.00
3 inch	about 40 lbs.	1.60	4.50
3½ inch	about 50 lbs.	1.76	5.60

In setting out plants unlock the bottom, pull pot up one inch and you have a wall to protect the roots against Grubs and Worms.

STUMPP & WALTER CO.
50 Barclay St., New York
Please mention the Exchange when writing.

CAULIFLOWER SEED
CABBAGE SEED
MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR, HARTMANN & CO.
COPENHAGEN, DENMARK
Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

XXX SEEDS
SALVIA, Wm. Pfitzer, extra fine, dwarf, very fiery red. Trade pkt. 25c.
ALYSSUM COMPACTUM, most dwarf and compact variety grown, perfect balls when grown in pots, pkt. 20c.
PETUNIA STAR, improved, finest marked flowers, very fine, pkt. 20c.
PETUNIA, GIANT, single fringed large and fine, pkt. 20c.
PHLOX DRUM. PUMILA, very dwarf, grand for pots, fine color, pkt. 20c.
CHINESE PRIMROSE, finest grown, single and double, mixed, 500 seeds, $1.00; ½ pkt. 50c.
PRIMULA KEWENSIS, the grand new sweet-sceneted yellow Primrose, pkt. 20c.
CINERARIA, large-flowering, dwarf, mixed, 1000 seeds, 50c.; ½ pkt. 25c.
CYCLAMEN GIGANTEUM, finest giants, mixed, 200 seeds, $1.00; ½ pkt. 50c.
GIANT PANSY, finest grown, critically selected, 6000 seeds, $1.00; ½ pkt. 50c.; oz. $2.50.
COLEUS, New Hybrids, fine colors, pkt. 20c.
VERBENA, Improved Mammoth, finest giants grown, mixed or separate of white, scarlet, pink, striped and auricula-eyed. Large trade pkt. 25c.

IRISH SHAMROCK
THE REAL THING! GREEN.
Very fine and strong; ready for immediate shipment; perfect beauties. Per 100 $4.00, 50c. per doz. postpaid.
CASH. Liberal extra count.
JOHN F. RUPP, Shiremanstown, Pa.
RUPPTON: The Home of Primroses
Please mention the Exchange when writing.

Try The Following
CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
PANSY—"Burnett's Gorgeous Strain."
STOCKS—"Burnett's Perpetual White."
CAULIFLOWER—Burnett's Selected "Snowball."
Write for our Illustrated Catalogue
BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt
Please mention the Exchange when writing.

Vegetable Seeds
FOR FORCING
Stokes' Standards are Always the Finest Strains
Tomato, Bonny Best Early, the finest tomato for forcing known; better than the Comet or Lorillard. Seed specially saved for greenhouse growing. Pkt., 20c.; ½ oz., 75c.; oz., $1.25.
Radish, Prussian Globe, ¼ lb., 20c.; lb., 60c.
Radish, Stokes' Scarlet Globe, ¼ lb., 20c., 1 lb., 50c.
Lettuce, Grand Rapids Forcing, oz., 10c.; ¼ lb., 35c.; lb., $1.25.
Lettuce, Stokes' Big Boston, oz., 10c.; ¼ lb., 35c.; lb., $1.26.
Add postage, 8c. per lb., if wanted by mail.
Let me estimate on your Spring requirements for vegetable seeds.
Stokes' Seed Store
219 Market St., Philadelphia, Pa.
Please mention the Exchange when writing.

HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Stock Seed
Fiske's Branching in all colors. Tr. pkt. 40c., oz. $4.00.
Pure White, tr. pkt. 50c. oz. $5.00.
Also **Beauty of Nice** strains.
H. E. FISKE SEED CO., Boston, Mass.
Please mention the Exchange when writing.

ROUTZAHN SEED CO.
Arroyo Grande, Cal.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of Full List of
Flower and Garden Seeds
Please mention the Exchange when writing.

GET QUOTATIONS FROM
LANDRETH SEEDS which SUCCEED
Bloomsdale Farms **Bristol, Pa.**
Please mention the Exchange when writing.

EVERY FLORIST WHO GROWS ASTERS
Should Send for Our Aster Book Immediately
Get your name on our files for our regular **Florists' Wholesale Catalogue.** These books are free.
JAMES VICK'S SONS
ROCHESTER, N. Y.
Mention this paper
Please mention the Exchange when writing.

FAMOUS ASTER
LADY ROOSEVELT
Gorgeous Pink, 20 to 40 inch stems, scientifically grown and separated seed. Oz. $5.00, ½ oz. $3.00, trial pkt. 50c.
Aster Seed in mixture, best colors, and ¼ Roosevelt. Oz. $1.00.
GLEN MAWR SEED FARMS, Kinzers, Pa.
Please mention the Exchange when writing.

CREGO ASTER SEED
The Crego Pink Aster is the largest and finest variety grown. We can furnish seed of our own growing saved from the very best flowers only, all inferior plants being discarded. This seed was saved from the finest lot of Asters we ever saw. Price, ¼ oz. 50c., oz. $2.00.
Ask for catalogue of our seeds.
JOSEPH HARRIS CO., Seed Growers **Coldwater, N. Y.**
Please mention the Exchange when writing.

BURPEE'S SEEDS
PHILADELPHIA
Blue List of Wholesale Prices mailed only to those who plant for profit.
Please mention the Exchange when writing.

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY
Please mention the Exchange when writing.

CHOICE GERMAN
FLOWER SEEDS
Catalogue free on application
Stamp letters 5 cents; foreign post cards 2 cents
FREDERICK ROEMER,
Seed Grower Quedlinburg, Germany
Please mention the Exchange when writing.

NEW CROP
FLOWER SEED
ASPARAGUS Sprengeri. Per 1000 seeds, 75c.
PETUNIA, Large Flowering Double Fringed. Trade pkt. $1.00. Single Fringed. Trade pkt. 50c. Single California Giants. 50c.
SALVIA Zurich. Oz. $5.00. Triumph. Oz. $5.00.
MOONFLOWER. White seed, 36c.
FRESH TOBACCO STEMS. Bale of 300 lbs. $1.75, ton $9.00.
W. C. BECKERT
SEEDSMAN
103 Federal St., N. S., Pittsburg
Please mention the Exchange when writing.

WARD'S LILY BULBS

"NOT HOW CHEAP— BUT HOW GOOD"
RALPH M. WARD & CO.
12 West Broadway—New York
Please mention the Exchange when writing.

AMERICAN SEED TRADE ASSOCIATION
President J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec. Leonard H. Vaughan, Chicago.

IMPORTS, ETC.—Jan. 17, 1910.—P. Henderson & Co., 9 cases seed; F. R. Pierson & Co., 1 bbl. seed; J. M. Thorburn & Co., 10 bags seeds; Wells, Fargo & Co., 14 packages roots, etc.; L. J. Spence, 6 packages plants; F. B. Vandegrift & Co., 7 cases plants. Jan. 18.—O. G. Hempstead & Co., 1 case seed. Jan. 19—F. D. Downing & Co., 6 packages seed; A. W. Featon, Jr., 1 case flower seed; Vaughan's Seed Store, 1 case seeds; H. M. Baker, 330 bags Alfalfa seed; J. M. Thorburn & Co., 13 bags seed; Bridgeman's Seed Store, 4 bags seed; Stumpp & Walter Co., 11 bags seed; H. F. Darrow, 217 packages seed; McHutchison & Co., 4 cases plants; McHutchison & Co., 33 cases plants; H. F. Darrow, 71 cases plants; H. Nungesser Co., 100 bags seed; Broslem Seed Co., 21 bags seed; T. Meadows & Co., 53 bags seed. Jan. 20—H. F. Darrow, 43 packages seeds; McHutchison & Co., 28 packages seeds; Vaughan's Seed Store, 78 packages seeds. Jan. 21—O. G. Hempstead & Son, 15 packages seed. Jan. 22, 23—Chas. F. Meyer, 218 cases Lily of the Valley pips; Burnett Bros., 1 case seed; Vaughan's Seed Store, 1 bag seeds; F. B. Vandegrift & Co., 4 bags seed; H. M. Baker, 190 bags Clover seed; Maltus & Ware, 6 cases Lily of the Valley pips; L. F. Spence, 2 cases plants. Jan. 25—E. Dreyfuss, 1 case seeds; Hensel, Bruckman & Lorbacher, 21 boxes seeds; F. B. Vandegrift & Co., 2 packages plants.

European Notes

The famine in Peas is bringing to light supplies from the uttermost parts of the earth; for some of these we are truly grateful as they enable us to fill binding orders without trenching quite so deeply on our stock seed. This will also be the means of helping to sow a sufficient acreage to fill contract orders already booked, but up to the time of writing no more contracts can be accepted.

The first sowings of early Peas should be made at the close of the present month, but there is no possibility of any January sowings this year, for during the past six weeks we have not had one thoroughly dry day, and, if it should cease raining at once it would be fully three weeks before we could work some of our best Pea land.

The conditions set out in last week's notes respecting the late crops of Radish and Mangel still continue and the blizzard from your side, on which we counted for relief, simply furnished a few hours of dry frost and was then

RAWSON'S RENOWNED SPECIALTIES

FOR FLORISTS

DAHLIAS

To clear a large surplus, we give Florists the first opportunity to purchase some of our latest Dahlias at remarkably low prices. The following list is only an extract from Rawson's florists' catalogue.

Cactus Dahlias

	Per 10	100
Alfred Vasey, pink	$0.75	$6.00
Alpha, white, striped crimson	1.00	8.00
Ambassador, pure white	1.00	8.00
Amos Perry, scarlet	1.00	9.00
Antelope, yellow	.75	6.00
Aschenbroedel, pink	.90	7.00
Blutenregen, scarlet	.75	6.00
Bornemann's Liebling, pink	1.00	9.00
Brautjungfer, pink	1.00	9.00
Charm, pink	1.60	12.00
Citizen, maroon	1.20	10.00
Clara G. Stredwick, pink	.85	7.00
Comet, pink, striped red	.75	6.00
Country Girl, golden	1.20	10.00
Crayfish, scarlet	1.00	9.00
Crepuscule, orange yellow	1.00	9.00
Dainty, yellow and pink	1.00	9.00
Das Marchen, pink	1.50	12.00
Delicata, blush	1.00	9.00
Die Unschuld, cream	1.20	10.00
Edith Groom, white	.75	6.00
Else, salmon pink, suffused yellow	1.00	9.00
Epopee, crimson	1.00	9.00
Feronia, soft pink	1.20	10.00
F. H. Chapman, yellow and orange	1.00	9.00
Floradora, crimson	1.00	9.00
Gaillard, deep red	1.00	9.00
Gladiator, deep apricot	1.00	9.00
Goldfasan, apricot	1.00	10.00
Grenadier, orange pink	1.00	9.00
Harbor Light, vivid orange	.90	7.50
Helene, pink	1.00	9.00
Holsatia, orange scarlet	1.00	8.00
H. Shoesmith, crimson scarlet	1.00	9.00
H. W. Sillem, scarlet	1.00	9.00
Imperator, crimson	1.00	8.00
Ivanhoe, straw color	1.00	9.00
J. H. Jackson, maroon	1.00	9.00
Kriemhilda, pink and white	.50	4.00
Lauretta, yellow edged rose	.75	6.00
Laverstock Beauty, vermilion	.90	7.50
Lovely Eynsford, amber	1.00	9.00
Miss Dorothy Oliver, white	1.00	9.00
Mrs. De Luca, yellow	1.00	9.00
Mrs. H. Shoesmith, pure white	1.20	10.00
Oliver Twist, scarlet	1.00	9.00
Orion, rosy mauve	.90	7.50
Persephone, white	1.00	9.00
Phineas, scarlet	1.00	9.00
Pink Pearl, pink	1.00	9.00
Pink Perfection, rose	1.00	9.00
Princess, deep pink	1.00	9.00
Rainbow, soft pink	1.00	9.00
Roland von Berlin, scarlet	1.00	9.00
Rosea Superba, pink	.90	7.60
Rosy Morn, peach color	1.00	9.00
Ruby, crimson	.75	6.00
Schone Rose, deep rose	1.00	9.00
Schwan, pure white	1.50	12.00
Standard Bearer, crimson	1.00	9.00
Stella, crimson	.75	6.00
T. G. Baker, yellow	2.00	15.00
Wm. Cuthbertson, bright rich crimson	1.00	9.00
Wunderkind, delicate pink	1.00	9.00
Zannkoenig, scarlet	1.00	9.00
Zephyr, rosy pink	1.00	9.00

Not less than 10 of a kind will be sold at the above prices. Single specimens at retail prices less 25 per cent.

To enable florists to have a grand collection of these beautiful flowers we are willing to furnish a collection of one each of one hundred varieties at a net total of $12.00.

Decorative Dahlias

	Per 10	100
Alphonse Isore, scarlet	$1.50	$12.00
Beauty of Kent, red and white	1.00	9.00
Camellia, orange scarlet	.75	6.00
Catherine Duer, crimson	.90	7.50
Fireking, scarlet	.75	6.00
Gigantea, yellow	1.00	9.00
La France, pink	1.50	12.00
Mrs. Roosevelt, pink	1.20	10.00
Papa Charmet, maroon	1.20	10.00
Perle de la Tete d'Or, white	1.00	9.00
Souvenir de Gustave Douzon, scarlet	1.00	9.00
W. W. Rawson, delicate lavender	5.00	
Yellow Colosse, yellow	6.00	

Not less than 10 of a kind will be sold at the above prices. Single specimens at retail prices less 25 per cent.

FLOWER SEEDS

SALVIA SPLENDENS

	½ oz.	Oz.
Grandiflora	$0.25	$1.50
The best tall Salvia in the market.		
Compacta	.40	2.60
Bonfire	.40	2.60
Hardly any foliage, but masses of flowers.		
Lord Fauntleroy, very dwarf.	.75	4.00
Maroon Prince, deep maroon	.75	5.00
Fire Ball, most intensely colored	.75	6.00
Silver Spot, leaves spotted, very attractive	.25	1.60

Zurich. The best salvia yet introduced. Plants grow very compact, show little foliage and bear heavy flower spikes, which are thickly laden with bright scarlet flowers. Flowers early in July and remains in bloom with later varieties. ⅛ oz. 75c., oz. $5.00.

Patens. (Blue Salvia). 1-16 oz. $1.00.

Salvia Splendens. King of Carpets. The best dwarf bedding Salvia on the market today, outrivaling even "Zurich." The plants branch from the bottom and to such extent that the main stem is never visible. All side branches droop completely to the ground, making the whole plant a perfect half ball of fire. The plant grows but 15 inches high and flowers even earlier than "Zurich." ⅛ oz. $1.00, oz. $6.00.

The veteran Salvia grower, Mr. F. Bedman, says: "About the Salvia, 'King of Carpets.' It has done very well considering the dry weather that we have had, and I consider it one of the grandest dwarf salvias that I ever saw."

AGERATUM

Extensively raised as a pot plant and used for edging.

	¼ oz.	Oz.
Lasseauxi	20c.	$0.60
Mexicanum		.16
Album. Large flowering white		.26
Blue Perfection		.30
Dwarf Imperial White		.25
Dwarf Imperial Blue		.25
Dwarf Swanley Blue		.30
Dwarf Little Dorritt		.26
Dwarf Little Blue Star, 1-16 oz. 75c.		

ANTIRRHINUM

A most valuable plant for the cut flower market, easily grown and very profitable; we have been careful to select but such colors as are ready sellers.

RAWSON'S TALL GIANT. This strain grows three to four feet high and is covered about two-thirds with gigantic flowers of grace and beauty. ¼ oz.

	Oz.
Finest Mixed	$0.40
White	$0.25 .75
Scarlet	.20 .60
Yellow	.20 .60
Dark Rose	.20 .60
Delicate Pink	.20 .60
Coral Red	.25 .75

ASTERS

Rawson's New Midsummer Aster

The colors are true and hardly any open-centered flowers among them.

	¼ oz.	Oz.
Pure White	$0.60	$2.00
Delicate Shell Pink	.60	2.00
Royal Purple	.60	2.00
True Lavender	.60	2.00
Bright Rose	.60	2.00
Finest Mixed	.60	1.60

Aster, Rawson's Late Branching. Flowers are very large in size and borne on long, stiff stems. It is one of the best and most popular varieties for late flower markets.

	¼ oz.	Oz.
Finest Mixed	$0.25	$0.76
Crimson	.30	1.00
Dark Blue	.30	1.00
Light Blue	.30	1.00
Rose Pink	.30	1.00
Shell Pink	.30	1.00
Scarlet	.30	1.00
White	.30	1.00

Dawn of Day. (Novelty, 1908). The earliest flowering Aster in existence. Fine white, perfect in form and growth, long branching stems and flowers; often three weeks ahead of Queen of the Market. It is of branching habit and very full and if freely cut will continue to bear blooms until late in Fall. ¼ oz. 50c., oz. $3.00.

Rawson's Daybreak. This variety must not be compared with the strain offered elsewhere and a trial will convince the ever-so-critical of its superiority. ½ oz. 40c., oz. $2.50.

Rawson's Purity. (Pure white.) Of the same type as Daybreak, differing only in color, which is a pure glistening white. Just as free-flowering and symmetrical as Daybreak and undoubtedly unsurpassed as a white bedding variety. ½ oz. 50c., oz. $3.00

Rawson's Queen of the Market Aster. The best early Aster for the Florist, quality being very much improved.

Finest Mixed, ¼ oz. 15c., oz. 60c.

Crimson, Dark Blue, Light Blue, Rose, Peach Blossom, White. ¼ oz. 20c., oz. 60c.

W. W. RAWSON & CO., Boston, Mass.

Please mention the Exchange when writing.

promptly boiled out, and found a watery grave.

In western France, where the same conditions prevail, the growers are rapidly sinking into a state of almost sullen depression and no amount of persuasion will induce them to take on Radishes again, except at prohibitive figures. This feeling is so strong that we shall be compelled to develop the culture in some other parts of the country, but both for the grower's sake and our own we trust this will not be necessary. The sandy lands in the Loire Valley have been the means of providing us with the extra early varieties which are so highly esteemed; the growers there thoroughly understand, and have often profited by the culture, and, as a rule, the sunny climate for which that part of the world is famous usually enables the growers to make early deliveries.

The keen competition of England, Germany and Holland has no doubt kept prices far below a profitable level, and as price counts for very much in these days there is very little hope of any improvement.

The missing parcels of Beet are still coming to light, and the sources through which they are being widely offered occasions no little surprise. As one or two of the firms in question claim to have been inundated with orders for this article it is singular, to say the least, that they should be so heavily overstocked.

In market seeds the principal interest is centered in Tares. Supplies are now beginning to come forward and the samples thus far offered are really very good. Prices have advanced fully 30 cents per 100 pounds during the past two weeks, mainly as the result of enquiries from your side and the practical failure of the crop in western Europe. Oats, Barley and other seed grain are very firm in price and will bring a splendid profit to the prudently lucky few.

Flower seeds move somewhat slowly in more senses than one just now, but as trade is daily improving we rely upon an average demand.

EUROPEAN SEEDS.

American Notes

Trade Starts a Little

Trade has started with our seedsmen quite a little; and every day now will add to its volume until we find ourselves once more really at the beginning of another seed selling season. Catalogs are fast being distributed, and another couple of weeks will find most of the important ones in customers' hands; it is the same this year as it always turns out to be—Feb. 1 arrives before very many seeds are sold. Of course, for a month past florists' flower seeds have been selling, and many advance wholesale orders have been placed; but no large amount of trade has yet started. It is going, as all along expected, to be a year of many seed shortages in both flower and vegetable seeds; so many items are in more or less limited supply that early purchases cannot be too strongly urged upon every dealer, and planter as well—the late comers will find seed stocks more depleted than in many years. Every member of the trade is putting things in final shape for the rush so soon to start; at best the Spring seed selling season is a short one and every moment must be used to advantage.

The "Non-Guarantee" of Seeds

It will be remembered that one short year ago our seedsmen were being taken to task most severely, by certain very prominent members of the agricultural press for not being willing to warrant the seeds they sell. So much and so strong did the agitation of this subject become, that the entire trade were very greatly disturbed by it all. In fact, it was very plainly insinuated that our seedsmen hid behind their "non-guarantee" clause in cases where the planter would otherwise be entitled and justified in holding his seedsman responsible for a poor crop. Time works wonders. A year ago there certainly seemed to be much dissatisfaction with our seedsmen's methods of selling seeds, and a fixed determination in certain quarters to force the seed trade to practically warrant the seeds they sell. This feeling has very much modified itself, if it has not entirely passed away; and once again it would seem to be generally recognized that our seedsmen cannot deliver to a planter any better seeds than Nature produces. When once every user of seeds fully imbibes the true fact that the American seed trade is continually striving to deliver to customers the best that can be produced in the entire line of seeds, no word of criticism will again be

J. BOLGIANO & SON

WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS

BALTIMORE, MD.

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

Please mention the Exchange when writing.

CABBAGE

Wakefield and Succession, $1.00 per 1000, $8.50 per 10,000.

PARSLEY, 25c. per 100, $1.25 per 1000.

LETTUCE, Big Boston, Boston Market and Grand Rapids, $1.00 per 1000 Cash with order.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO.

BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

ONION SEED==ONION SETS

We are large growers of and dealers in Onion Seed and Onion Sets.

Write for prices on 1909 crop.

Can also quote contract prices for the 1910 Onion Seed crop.

SCHILDER BROS., Chillicothe, O.

Please mention the Exchange when writing.

NEW CROP

Flower and Vegetable Seeds

FOR FORCING

Lobelia Crystal Palace Compacta. Salvia Splendens and Bonfire. Centaurea Gymnocarpa. Begonia Vernon. Cobaea Scandens. Dracaena Indivisa. Mignonette, New York Market. Primula Chinensis. Schizanthus Wisetonensis.

Tomato "The Don." Onion "Alisa Craig."

Mushroom Spawn, English and Pure Culture.

Special prices on application.

WEEBER & DON, Seed Merchants & Growers, 114 Chambers St., N. Y.

Please mention the Exchange when writing.

Thorburn's Bulbs

LILY OF THE VALLEY

Pips just arrived.

Our usual high grade quality. Also cold storage pips. Prices on Application.

J. M. THORBURN & CO., 33 Barclay St. New York

Please mention the Exchange when writing.

Delphinium Belladonna
Everblooming Hardy Larkspur

DREER'S RELIABLE FLOWER SEEDS

We offer below a short list of Flower Seeds which should be sown early. New crops of same are now ready; for complete list of Flower Seeds, all of the very finest quality, see our current Wholesale Catalogue. If you have not received a copy, we will send one on application.

	Trade pkt.	Oz.
AGERATUM, Blue Perfection. Dark blue	$0.15	$0.50
AGERATUM, Cope's Pet. Light blue	.15	.35
ALYSSUM, Little Gem or Carpet of Snow. Very dwarf	.15	.40
ANTIRRHINUM, Giant White	.20	.50
Giant Scarlet	.20	.50
Giant Pink	.20	.50
Giant Garnet	.20	.50
Giant Yellow	.20	.50
Giant Striped	.20	.50
BEGONIA semperflorens Vernon.	.25	
CANDYTUFT Empress. Best white	.10	.20
CENTAUREA gymnocarpa.	.15	.35
candidissima.	.25	.75
cyanus. New double blue.	.25	.75
CINERARIA maritima candidissima.	.10	.20
COBÆA scandens. Blue	.15	.40
White.	.20	.75
DELPHINIUM Belladonna. New.	.17	
DRACÆNA Australis.	.15	.60
indivisa	.10	.30
PENNISETUM Ruppelianum.	.10	.25
HELIOTROPE, Lemoine's Giant.	.40	2.00
IPOMŒA grandiflora (White Moonflower)	.15	.40
LOBELIA Crystal Palace compacta (true)	.25	1.00
Emperor William	.25	1.00
speciosa	.15	.50
gracilis	.15	.40
PETUNIA, Dreer's Superb Single Fringed	.50	
Dreer's Superb Double Fringed, $1.50 per 1000 seeds.		

	Trade pkt.	Oz.
PYRETHRUM aureum (Golden Feather)	$0.10	$0.25
SALVIA splendens (Scarlet Sage)	.25	1.00
Bonfire	.40	2.25
Ball of Fire	.50	3.00
Burning Bush	.40	2.00
Zurich	.50	
SMILAX	.10	.30
SOLANUM capsicastrum	.10	.25
STEVIA serrata	.20	.75
STOCKS, Large-Flowering 10-Weeks.		
Blood Red	.40	2.50
Canary	.40	2.50
Rose	.40	2.50
Light Blue	.40	2.50
Purple	.40	2.50
Pure White	.40	2.50
STOCKS, Cut-and-Come-Again.		
White	.50	3.00
Rose	.50	3.00
Blood Red	.50	3.00
Dark Blue	.50	3.00
Yellow	.50	3.00
Lilac	.50	3.00
THUNBERGIA, Mixed Colors.	.15	.40
TORENIA Fournieri.	.30	1.50
VERBENA. Mammoth Pink	.30	1.25
Mammoth Blue	.30	1.25
Mammoth Purple	.30	1.25
Mammoth Scarlet	.30	1.25
Mammoth Striped	.30	1.25
Mammoth White	.30	1.25
Mammoth Finest Mixed	.25	1.00

WE HAVE EVERYTHING IN FLOWER SEEDS WORTH GROWING.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

CANNAS

Home grown, guaranteed true to name. Good, strong, 2 to 3 eyes. **Alsace, Chas. Henderson, Duke of Marlborough, Capt. Dragoon,** (one of the best yellow), **Mlle. Berat, Defender, Kate Grey, Pennsylvania, Pres. Vigor,** at $1.75 per 100, $15.00 per 1000. **David Harum, Florence Vaughan,** at $2.25 per 100, $20.00 per 1000. **Egandale,** $2.50 per 100. **King Humbert,** $6.00 per 100. The above varieties mixed, $8.00 per 1000.

W. W. COLES,
KOKOMO, INDIANA

Please mention the Exchange when writing.

CANNAS 500,000 roots for Fall delivery in 100 leading kinds. $8.00 to $20.00 per 1000. Write for our list.

SHELLROAD GREENHOUSES, Orange, Baltimore, Md.

Largest Canna Growers in America.

Please mention the Exchange when writing

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

heard against the "non-guarantee" clause as so long used in seed selling.

Gerbera Jamesonii Hybrida

Among the flower seed novelties being offered this season, none have been given more prominence, both as regards illustration and text description, than has this new "Scarlet Daisy, or Marguerite of the Cape." The trade very generally feel that it will be an excellent seller; the retail rate is 50 cents per packet. This new half-hardy perennial, by artificial hybridizing, has given a great number of varieties, varying in color from pure white, through shades of yellow, pale red and salmon to orange rose, cherry red, scarlet and rich crimson or violet red. Sometimes the disc is of the same shade as the ray florets and again of a varying color. The Marguerite-like blooms are very large, borne on long and strong peduncles, and as a cut flower last a long time, furnishing most excellent material for bouquet work or any decorative purpose. Such very briefly is this novelty, and a large sale seems destined for it.

Your Advertising

Do not neglect your advertising. There are no more lucrative months in the year for the seedsman in this direction than from now on; and if ever large spaces were justified they most certainly are now. Select your list of mediums carefully in accordance with the particular line of trade you are striving for, and then use what spaces for your advertisements would seem to be judicious. The day has long since passed when any successful seed business can get along without advertising. V.

New York Seed Trade

At Boddington's things are getting very busy; the past week they received a carload of Cannas and Caladiums. Mr. Bunyard has gone to Pittsburgh, Pa., to attend the annual convention of the American Carnation Society. This firm, the past week, shipped one-half ton of Sweet Peas to England. As with the rest of the trade, they are quite exercised over the short crops of seeds and are urging their customers to place their orders just as early as possible.

The Aphine Mfg. Co. held a demonstration on their new insecticide "Aphine" at Boston last Saturday which was largely attended and a marked success in every particular. Martin C. Ebel, manager of this company, is arranging a similar test to be held in the near future at Philadelphia. It is being clearly demonstrated that Aphine is an insecticide, that is fast becoming very popular.

The Stumpp & Walter Co. are making a very attractive window display of poultry supplies at their Barclay st. store. This firm does a large business in this direction; in fact, they issue a special catalog for this line of goods.

J. M. Thorburn & Co. have this week also an attractive window display, Peas and Beans in flat baskets lined with green making up the same.

Charles Loechner of the Yokohama Nursery Co., who has been confined in the Norwegian Hospital at Brooklyn since Christmas with a broken leg, continues steadily on the road to recovery.

CANNA ROOTS—CANNA ROOTS

Strong home grown, two or three eyes each, in perfect condition and strictly true to name.

	100	1000
HON. BENJ. F. HOWELL. 6 ft. The best yet. Similar to King Humbert in both flower and foliage but better. The color is more brilliant and the flowers are larger—foliage equally good in rich bronze color and make up. Now first offered.	$10.00	
ALLEMANIA. 6 ft. Giant flowered; scarlet-salmon, edged yellow	3.00	
BLACK BEAUTY. 6 ft. Abundant, rich, glistening, bronzy-purple plum foliage	5.00	
COMPTE DE BOUCHARD. 4½ ft. Bright yellow and fine	2.50	$20.00
CRIMSON BEDDER. 3 ft. Bright crimson; very free and valuable	2.50	20.00
DAVID HARUM. 4 ft. Bronze foliage; bright vermilion flowers	2.50	20.00
EMILE WIELAND. 5 ft. Perhaps yields the most brilliant display of any Canna as yet produced. Vivid orange-scarlet flowers; extra fine Musa-like foliage	5.00	
FLORENCE VAUGHAN. 5 ft. Yellow much dotted with orange-scarlet	2.50	20.00
KING HUMBERT. 5 ft. Bronze foliage; enormous trusses of salmon-scarlet flowers. A grand variety	3.50	30.00
LITTLE GEM. 18 in. Orange scarlet gilt-edged flowers	5.00	
MRS. KATE GRAY. 6 ft. Orchids flowered; orange-scarlet with yellow throat	2.50	
MRS. WM. F. KASTING. 3 ft. Clear vivid crimson: early, free	3.50	
PENNSYLVANIA. 6 ft. Orchid-flowered; orange-scarlet flowers	2.50	
PRES. CARNOT. 4 ft. Bronze-leaved; orange-scarlet flowers	2.00	18.00
PRES. McKINLEY. 3 ft. Brilliant crimson with scarlet shadings	3.00	
SOUV. D'ANTOINE CROZY. 3½ ft. Bright crimson edged yellow	2.50	20.00
WEST GROVE. 3 ft. Large rich coral pink flowers	3.00	
WYOMING. 6 ft. Orchid-flowered; bronze-purple foliage, orange flowers	4.00	
YELLOW CROZY. 3½ ft. Pure yellow flowers; the best dwarf yellow	3.00	
ALL COLORS MIXED. Fine named varieties without labels	1.50	12.00

600 of a variety at 1000 rates. Packed free for cash with order.

J. T. LOVETT, - Little Silver, N. J.

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From BELGIUM **From HOLLAND** Palms, Araucarias, Bay Trees, Azalea Indica, etc. Boxwood, Rhododendrons, pot grown Shrubs for forcing, etc., etc.

From GERMANY Valley Pips. Early or late forcing.

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Full list of Japanese, Holland, English and French Nursery Stock

Write for catalogues, special lists, etc., mentioning the class of stock you are interested in.

RAFFIA 6 grades. Bale lots only.

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Asparagus Plumosus Nanus

We Are Headquarters, Greenhouse Grown Seed, Extra Quality

100 Seeds	$0.50
500 "	2.00
1000 "	3.50
5000 "	16.00
10,000 "	30.00
25,000 "	70.00

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Our Stock of these Bulbs is of the Finest Strain Procurable

SINGLE BEGONIAS	Per doz.	Per 100	Per 1000
Orange	$0.40	$2.75	$22.50
Scarlet	.40	2.75	22.50
Pink	.40	2.75	22.50
White	.40	2.75	22.50
Yellow	.40	2.75	22.50
Mixed	.35	2.50	21.00

DOUBLE BEGONIAS	Per doz.	Per 100	Per 100
Crimson	$0.65	$4.75	$37.50
Scarlet	.65	4.75	37.50
Pink	.65	4.75	37.50
White	.65	4.75	37.50
Yellow	.65	4.75	37.50
Mixed	.50	3.75	33.00

GLOXINIAS

	Per doz.	Per 100	Per 1000
Red and Scarlet	$0.60	$3.75	$32.00
Blue	.60	3.75	32.00
Bordered Scarlet	.60	3.75	32.00

	Per doz.	Per 100	Per 1000
Bordered Blue	$0.60	$3.75	$32.00
Spotted	.60	3.75	32.00
White	.60	3.75	32.00
Choicest Mixed	.50	3.50	31.50

Write for our Wholesale Catalog.

Henry F. Michell Co., 10th and Market Sts., Philadelphia, Pa.

Please mention the Exchange when writing.

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PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

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Trade Mark **American Spawn Co., St. Paul, Minn.**

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

California Seed and Bulb Notes

I noticed on Jan. 5 new Daffodils for sale, grown in the open air. They are Ard Righa from Mrs. Kersey of Haywards who holds the records in that line. Mrs. Kersey took to flower growing by chance, but having natural aptitude and a very early location, about twenty miles from San Francisco, has for years had the early market for Daffodils. By the way, there are hundreds of thousands of the variety Ard Righ about the Bay, all from one original planting years ago. It seems perfectly adapted to the climate.

While the flower trade of this city is moving to the shopping center, the seed and plant trade is establishing itself on Market st. near the ferries. A wise choice, too, for Market st. is the path that all take who travel in northern California, and the firms who feared they could not pay the high rents on that great thoroughfare find that the steady stream of commuters leaves lots of money with them. They are coming to see too, that attractive window shows of cut flowers or striking plants are the best of advertisers with people who want to be shown.

The latest firm to move to Market st. is the California Seed Store, which represents the old nursery of F. Ludemann (one of the oldest establishments in California), as well as doing a general seed trade.

Dutch bulbs, and particularly late Tulips, are growing rapidly in popularity, with a good second in the Spanish Irises which simply luxuriate in the Bay region.

To those who do not know California I would say that by the "Bay Region," we mean that large region lying along San Francisco Bay and its arms, fully 125 miles long, with a climate tempered by sea winds and fogs. It is a wonderful country for flowers and with a minimum temperature about the same as southern California, but more humid.

I wonder if The Florists' Exchange readers have kept in touch with the bulb growing experiments at Bellingham, Washington. For years several growers, among others Mr. Gibbs and Mr. Smith, have experimented with Tulips and Hyacinths. They have really grown excellent stock, fully as good as can be imported. A year ago, the Department of Agriculture chose Bellingham Bay as the best locality in America for the purpose, and started a bulb garden in which to work out the practical problem. Without any question they have the soil and the climate, and I think, without any question, they will produce as good bulbs as can be bought, especially since as high skill is employed in their care as Holland can give.

Speaking from the standpoint of one who has had a very fair amount of practical experience in this same line, I would say that the point that cannot at this time be surmounted in America is that we must pay more for unskilled labor than the Hollander does for skilled. And the other point that in less than carload lots the freight across the continent is very nearly as much as the ocean freight plus duty plus all other charges. The Pacific Coast will grow the bulbs of America some day, but it will be when transportation is much lower and wages less.

The great seed firm of C. C. Morse & Co., the largest growers in the West, have chosen new nursery grounds in Alameda County, south of San Leandro. The land is a rich black loam and lies between the Western and Central Pacific railroads, and the firm will have stations on each. They have also decided to establish great seed farms on the reclaimed land in what is known as the Islands, between the Sacramento and San Joaquin rivers. It is a wonderfully rich region and simply cannot be beaten either in fertility or climate, for this purpose, but has in the past suffered severely from floods breaking down the levees. We presume that Morse & Co. are using extra safeguards in this line and, if they succeed, it is safe to say that that region will soon be the seed center of California.

Dr. Franceschi of Santa Barbara has left the Exotic Gardens, and his daughter has now started the Montari Rose Nurseries in the same town; her first catalog is in my hands. To Dr. Franceschi all California owes a debt of gratitude, for, without doubt, he has introduced more valuable new plants and trees than the next most worthy four; a walk in the old Exotic Gardens, which he founded, is a great treat. We hope that he will live to do much more valuable work of the same sort.

With the new U. S. Station at Chico, now under the superintendence of Dr. Van Fleet, well known in connection with the Rural New Yorker station at Little Silver, N. J., with the several stations of the University of California, with such private stations as Dr. Franceschi has established, and the great estate of Henry Huntington at Los Angeles, California is certain to gather to itself the best from all over the world.

CARL PURDY.

Transparent Envelopes for Seed Packets

Mr. Chas. N. Page, of the Iowa Seed Co. of Des Moines, Iowa, in writing us he has been informed that the P. O. Department will permit the mailing of seeds in manilla and other opaque envelopes until July 1 next, thus permitting seedsmen to make use of stock on hand, says further: "This will be welcome news to the trade and I hope that, before that date, the P. O. Department will change their ruling in such a way that it will not interfere with the future mailing of seeds put up in the ordinary way. There have been no complaints of seed dealers ever taking advantage of this privilege by sending out any first-class mail matter in seed packets. There is, therefore, no legitimate reason for making a special ruling against them."

New Giant Runner Bean Count Zeppelin

In its seed trade notes of Dec. 18 last, page 938, The Florists' Exchange published an extract from "Der Handelsgartner," headed "A New Pole Bean," in which credit was given to the firm of Chr. Mohrenweiser of Altenweddingen, Germany, for a novelty which had been named by them Mohrenweiser's Perplex.

We are now in receipt of a communication from F. C. Heinemann of Erfurt, Germany, in which that gentleman says: "I beg to inform you that this variety (Perplex) is synonymous to the Zeppelin Runner Bean introduced by me last season, 1908-1909."

Mr. Heinemann forwards us, in support of his claim, two catalogs of the Mohrenweiser firm—that of 1908-1909 showing an illustration of a Bean under the title "Pole Bean Zeppelin," while in the catalog of the same firm for 1909-1910 the same illustration is shown, but the Bean is there named "Pole Bean Perplex," the cuts in both instances in these two catalogs being almost facsimiles of a portion of an illustration which Mr. Heinemann showed in his Special Seed Trade Offer of Novelties for 1909, in connection with the introduction and description of his new Giant Runner Bean Count Zeppelin.

Mr. Heinemann further encloses a report made by the Royal Hort. Society of Great Britain in September, 1909, relating to his Bean, as follows: "Count Zeppelin is a novelty to us, longer and almost as broad as any Scarlet Runner; it is somewhat crooked in form and has the appearance of a Bean long past its best, but this is deceptive, and several of the committee reported that they had cooked it and found it really first rate. Whether it will ever become popular for market is questionable, but those who had tried it, strongly recommended it for trial, as it produces an immense crop."

Potato Cutter and Planter

Seedsmen will be interested in learning that a Potato cutter and planter has been invented by Dr. Mark D. Williams and Ernest Brown of Middleport, N. Y., which promises to make a material saving of labor to the farmer who is engaged extensively in Potato raising. The machine will be drawn by two horses and will cut and plant Potatoes as fast as the horses can walk without making any skips. The Potatoes will be cut from end to end, thus dividing the seed end, and will plant at any intervals the operator wishes to set it. One or two Potatoes or pieces of Potatoes can be planted in a hill, this being optional with the operator. Dr. Williams, who is one of the best known veterinaries in the State, has always taken an interest in the development of agriculture and particularly of horticulture. He is a graduate of the National Veterinary College of Washington, D. C. with special work at Cornell University. Mr. William's standing as a veterinary surgeon is evidenced by the fact that he has been president of the Niagara and Orleans County Veterinary Medical Society; for three years he was secretary of the Niagara Country Farmers' Club and for a number of years has been one of the speakers at the various State Farmers' Institutes. He is a member of numerous stock and poultry societies and has bred and exhibited animals from the horse to the pigeon.

An Important Decision to Seedsmen

DES MOINES, IOWA.—The Clover seed lawsuit which we have been having, in which A. A. Geil was suing the Iowa Seed Co. for $1500 damages on account of having received Mammoth Clover, when he claims to have ordered Medium Red Clover, was decided Jan. 19, after a long and hard fought suit. The Judge took the case away from the jury and the decision was in favor of the Iowa Seed Co. on every point, thus upholding the disclaimer.

CHAS. N. PAGE.

[In our next issue we will give the points made by the Judge in rendering his decision.]

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F. O. B. New York or Chicago For Immediate Delivery

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business. **Stock unequalled.**

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	100	1000
Louisiana, height 7 ft.	$1.75	$15.00
Alice Roosevelt, 4 ft.	3.00	25.00
A. Bouvier, 5 ft.	1.50	14.00
Beaute Poitevine, 3½ ft.	2.00	17.50
Black Prince, 3 to 4 ft.	2.25	20.00
Chas. Henderson, 4 ft.	1.75	15.00
Crimson Bedder, 3 ft.	2.00	17.50
Duke of Marlborough, 4½ ft.	1.75	15.00
J. D. Eisele, 5 ft.	1.75	15.00
Exp. Crampbell, 5½ ft.	1.50	14.00
Express, 2 to 2½ ft.	2.25	20.00
Pres. McKinley, 2½ to 3 ft.	1.50	14.00
Tarrytown, 3½ ft.	1.75	15.00

RED, GOLD-EDGED AND SPOTTED SHADES

Gladiator, 4 ft.	2.75	25.00
Cinnabar, 4½ ft.	1.75	15.00
Indiana, 3 to 4 ft.	1.75	15.00
Queen Charlotte, 3½ ft.	2.25	20.00
Mad. Crozy, 5½ ft.	2.25	20.00
Premier, 2½ ft.	2.00	17.50
S. de A. Crozy	2.75	25.00

PINK SHADES

L. Patry, 4½ ft.	1.75	15.00
Louise, 5 ft.	2.00	17.50
Mlle. Berat, 4½ ft.	1.75	15.00
Tennyson, 5½ ft.	2.75	25.00

YELLOW SHADES

	100	1000
Buttercup, 3½ ft.	$1.75	$15.00
C. de Bouchard, 4½ ft.	2.00	17.50
Florence Vaughan, 5 ft.	2.50	20.00
L. E. Bailey, 4½ ft.	2.75	25.00
Richard Wallace, 4½ ft.	2.75	25.00

WHITE AND CREAM SHADES

Alsace, 3½ ft.	1.75	15.00

BRONZE-LEAVED, FLOWERING CANNAS

Brandywine, 4 to 5 ft.	2.00	17.50
Bleack Beauty, 5 ft.	2.75	25.00
David Harum, 3½ ft.	2.75	25.00
Egandale, 4 ft.	1.50	14.00
King Humbert, 4 ft.	3.25	30.00
Leonard Vaughan, 4½ ft.	1.75	15.00
Musafolia, 5 ft.	2.75	25.00
Pillar of Fire, 6 to 7 ft.	2.25	20.00
Robusta, 6 to 8 ft.	1.75	17.50
Shenandoah, 6 ft.	1.75	15.00

ORCHID-FLOWERING CANNAS

Allemannia, 4 to 5 ft.	1.75	16.00
Austria, 5 ft.	1.25	12.00
Italia, 4½ ft.	1.75	15.00
Kronus, 5 ft.	1.75	15.00
Mrs. Kate Gray, 6 ft.	1.75	15.00
Pennsylvania, 5 ft.	1.75	15.00
Wyoming, 7 ft.	2.75	25.00

Our Cannas are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at 1000 rate. It is cheaper for you to buy a box than 200 at 100 rate.

Chicago and Western Agents for Our Cannas **Winterson's Seed Store**
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Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.
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100 Acres of Nursery. Ask for quotations upon your own list of wants.
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5-inch pots—4 to 5 tiers—15 to 18 inches high
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Prices Reasonable. Wholesale Trade List for the Asking
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Viburnum Plicatum, in sizes from 3 to 6 ft.
Japanese Judas, very heavy, 3 to 4 ft.
Spiraea Anthony Waterer, very heavy, 1½ to 3 ft.
Regel's Privet (Ligustrum Regelianum), 2 to 4 ft.

These are but a few of our leaders; we have an enormous assortment of other varieties. Also deciduous trees, especially **Willows, Lombardy Poplars, American Lindens,** and **Dogwood.** Let us have your "want list," and ask for our catalogue.

The Wm. H. Moon Co., Morrisville, Pa.

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LILACS Charles X and Marie Legray.
DEUTZIA LEMOINEI, pot-grown, in fine condition.
BOXWOOD and BAY TREES, for immediate or Spring delivery.
Orders booked now at inviting prices. Write to
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California Privet is still the leading hedge plant, because nothing has yet been produced to surpass it.

I have an extra large stock of two-year-old plants, in all grades, to offer for Spring shipment. This stock is well branched with plenty of fibrous roots.

I can compete in price, quantity and quality with any grower. I am growing Privet to sell.

Let me quote you prices before you buy.

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3 to 4 ft., heavy selected, $4.00 per 100, $35.00 per 1000. 2½ to 3½ ft., 6 or more branches, strong, $3.00 per 100, $25.00 per 1000. Fine 1 year, 18 to 24 inches, branched, $1.50 per 100, $10.00 per 1000. 12 to 18 inches, $1.25 per 100, $8.00 per 1000. 8 to 15 inches, light, $5.00 per 1000. Amoor River, 2 to 3 ft., well branched, $3.00 per 100. Packed free of charges.

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600,000 3-yr. plants, with 12 to 20 branches; have been transplanted once and cut back 2 yrs.; $4.00 per 100, $37.50 per 1000, packed. Will make a good close hedge at once. 600,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr.; $3.00 per 100, $27.50 per 1000, packed. 1-yr. plants 12 to 18 in., well branched, $2.00 per 100, $17.50 per 1000, packed. 500 at 1000 rates. Cash with order.

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50,000 **CALIFORNIA PRIVET,** fine 1-year-old stock, 18 to 24 in., $2.00 per 100, $15.00 per 1000; 24 to 30 in., $2.50 per 100, $20.00 per 1000. Special prices in 5000 lots to dealers, all No. 1 stock. 5,000 extra strong **AMPELOPSIS Veitchii.** Field grown vines, live tops and roots, now in cellar. $4.00 per 100, 500 at $3.50 per 100. P. S. 25,000 Canna Roots.

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For two weeks we will make special price on car-lots of 18 to 24 in., 2-yr., well branched and extra fine rooted stock. Small quantities at low prices.

Asparagus, Palmetto and Giant Argenteuil, 3-yr., extra strong, **$5.00** per 1000.

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Pinus sylvestris

Time was when the Scotch Pine, Pinus sylvestris, was far more common in our collections than it is today, judging from the many large trees on old estates. It is not that this Pine is less worthy than it was, but there are now so many other to select from, species of our own country and Japan, that there is not room for so many of a single kind as there used to be. There is no Pine today just of the character of the Scotch, hence its usefulness to the planter is by no means over. It is of a bluish green tint when young, and of a bushy habit of growth all its own, requiring less pruning to make it of good shape than some others. As the Scotch Pine advances in age its bark takes on a red color, a decided attraction to it, and well distinguishing it from any other Pine.

An avenue of old trees of this Pine is a great attraction, because of this red-colored bark.

In former days this Pine used to be deemed hard to transplant, but this was when the old way of digging and loading trees on wagons, without due protection to the roots, was the practice. No Pine, whether Scotch or any other one, will survive such treatment. See that its roots are preserved in digging, that they are kept damp all the time until replanted, and then well watered, and the Scotch Pine will transplant as safely as any other kind.

Owing to its sturdy character it is an excellent tree to set to form a windbreak; and its use for forestry purposes is well known in Europe as it is beginning to be here.

Hardy Yuccas

Until one gets together a collection of Yuccas he has no idea of the number of species and varieties there are that are hardy. There are so many varieties of the most common one, filamentosa, that perhaps a dozen in all could be got together, and, speaking for the vicinity of New York City, all of this type are hardy, as well as the Colorado one, glauca, and the southern one, gloriosa, and its variety, recurva. The two Pacific States sorts, Whipplei and baccata, have not stood our Winters, but perhaps if strong roots were set they might, or at least grow again from the root, as the Y. aloifolia will, the top getting killed, but the plant growing again from its root. Filamentosa has a curious variety, of slender growth, known in collections as pendulifolia. It pushes up a slender flower stalk of a purplish color, the flowers being white, as all are, but rather smaller than the type. The variety rigida, has but few filaments, such as distinguish the typical filamentosa.

The gloriosa, recurva and glauca, all make trunks in time, slowly, especially the glauca, but even the latter kind gets up from the ground in time becoming arboreal to some degree. This, by the way, is the one so long known under the name of angustifolia. It is of slender growth throughout, and it flowers the first of all, in June.

Gloriosa, when planted in a warm situation, flowers in August, but in colder places not until later, sometimes in October, so late indeed that early freezings have been known to catch the flowers. Whether the Europeans have a different variety or not remains to be proved; it would seem so when the gardening magazines give reports of gloriosa in flower in July, as they do, and this, too, in a climate not nearly as hot as our own in Summer.

Growing the Eucalyptus

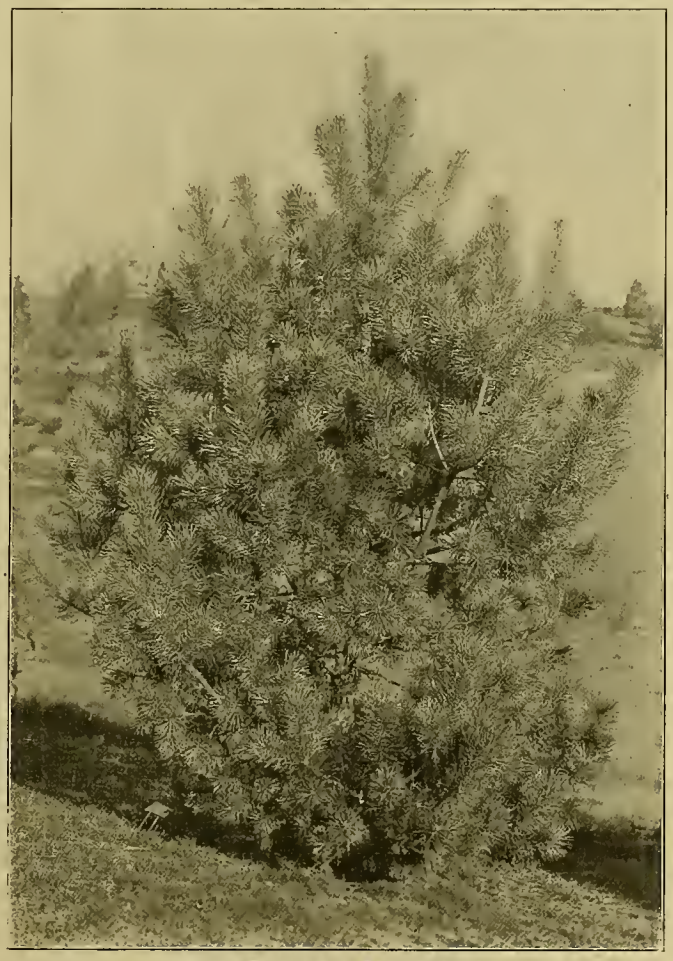
Replying privately recently to one who wrote me concerning growing Eucalyptus trees for profit, which he desired to do, it impressed me how misleading is much of what appears in the daily papers concerning this tree.

Every one should recollect that these trees are from Australia, and that there are but few places in our country where the Winters are mild enough to permit of their growth. Southern California and sections of Arizona and Florida are almost the only locations where they would thrive.

In California, in the southern part, they do well, for the degree or two of frost some portions may get at times does not hurt the Eucalyptus, for the reason that on account of the hot, rainless Summers, the wood ripens so hard that a little frost does no harm. The degrees of frost they endure there would kill the trees in Florida, for there the climate causes a rank and late growth, and the soft wood thus made is easily hurt by frost.

What the public press says of the value of the Eucalyptus wood and its rapid growth is all right. As a rule, fast growing trees do not have such durable wood as slower ones, but it is not so with the Eucalyptus. To show how fast they grow, the writer several times raised the Eucalyptus globulus from seed sown in March. The seedlings were potted when an inch or two high and, in May, were set out in nursery rows. By late October they had made growth of from 6 to 8 feet tall, and were still in vigorous growth when frosts put an end to it.

The name, fever tree, has been given them because of their usefulness in draining malarious swamps. They do this by absorbing moisture from the ground, the roots being hard pressed to supply the leaves and growth the trees make. The drying of the ground prevents the breeding of mosquitoes, rendering places healthful which before were not. All rapid growing trees have the same power of reclamation, but as there are but few of as rapid a growth as the Eucalyptus, or possessing such valuable timber, it is easily understood why it is such a favorite tree in frostless places.



Pinus Sylvestris Scotch Pine

Manuring Rhododendrons

Referring to the manuring of Rhododendrons mentioned by "Inquirer" in the EXCHANGE of Jan. 8 last, we never hesitate to recommend it for these plants as being a great help to them, especially in the way of producing large and beautiful green leaves. It is best applied in late Autumn as it then is beneficial in the way of keeping the soil from freezing and thawing, keeping frost from the roots and supplying food for the benefit of the plant the season following. It is true, as sometimes said, that when growing wild they get no manure yet they flourish, but the same is true of every wild plant, yet how we manure our cultivated trees and how they flourish under the treatment!

Regarding peaty soil, there is no need of it at all, and it is never thought necessary by those who have grown them otherwise. Light loam is excellent for them, and if this is not at hand heavier soil well mixed with sand is good for the plants. Forest leaves bedded among the plants in Autumn and let rot undisturbed is excellent for them, mingling with the heavier soil to great advantage.

When set near buildings Rhododendrons will sometimes become unsatisfactory, because of lime in the soil washed from the walls or left in the ground by builders. Old soil where buildings are should be dug out and new take its place, and no need at all for it to be peat; get top soil from an old meadow and it alone will grow good Rhododendrons.

Two Hardy Broad-Leaved Evergreens

In a private letter which the writer received recently the question was asked whether the Olea fragrans had ever been tested for hardiness in Philadelphia, as he had found it thriving well outdoors in many parts in States south of Philadelphia. The writer does not know of any tests of the kind, but it has been so many years grown only in conservatories hereabouts that it is more than likely it has been so tested and found to be lacking in hardy character. There are not many of the broad-leaved evergreens of Japan and China that will survive our Winters unprotected, while most all of them will endure some freezing. The Photinia serrulata, which the same correspondent mentions, is hardy here when in a fairly sheltered place, and it is a handsome evergreen, having dark glossy leaves, and heads of white flowers early in Spring. A feature of its growth is the dark red color of its terminal buds. Another feature, and not such a good one, is its hurry to start growing in Spring, pushing forth its young shoots sometimes so early that late frosts catch them, and sometimes the flowers suffer in the same way.

Hemlock Hedges

In the line of evergreen hedges of a coniferous character the Hemlock Spruce is still looked on as being as good as anything that could be named. In its young state it is beautiful and satisfactory in every way, and with care in pruning it continues so even after years have passed. There is much depends on its being well pruned. It needs shearing twice a year, not alone to keep it in shape but also that it may produce many young shoots. When let go with little pruning when young it runs to long shoots, losing its lower foliage. When this occurs it cannot be kept to a moderate height, because if pruned below its live foliage the bare stems will not break afresh, and these become bare patches which would not be there were the pruning properly done. The little twigs which follow frequent prunings retain their foliage a year of two, in this way keeping a green front even after many years have passed.

The Hemlock, together with the Norway Spruce and the Arborvitæ are still the three evergreens more used than any others, time proving them the most serviceable of all sorts that have been tried. The several Retinisporas have been tried, but do not seem as lasting as those already mentioned, not appearing to stand shearing as well as a hedge plant should.

Sowing Clematis paniculata Seed

There is a difference in the length of time certain kinds of Clematis seeds require to germinate; some of them will show signs of sprouting in a few weeks after sowing, while others lie dormant for months. The popular C. paniculata is one that often puzzles those who sow it, because of its odd behavior in the way of sprouting. When kept dry through the Winter and sown in beds outdoors in Spring, there is a succession of seedlings appearing above ground the whole season through. Spring will see a few appear, Summer, more, and by the time Autumn comes practically every seed will have appeared to have germinated. The same thing holds good with the native one, C. Virginiana, and the European one, C. Vitalba, while with those of the Jackmanni type less time for development is required.

Those who have C. paniculata seed still on hand should mix it now with sifted sand, the sand to be slightly moist, then when Spring opens sow it immediately outdoors, in narrow beds. In the meantime the mixed seed and sand should be kept in a cold place, so that fungus will not start among it, which would likely occur were it kept in a warm place. The popularity of this Clematis increases as time goes by. It is such an admirable vine for every purpose a vine could be wished for, beautiful foliage, a bushy, fast grower, great profusion of flowers, and of delightful odor. And when its flowers are over its fluffy seeds, in great clusters, are as pretty, some think, as the flowers, and as these heads of seeds last until freezing weather comes, the flowers appearing in August, there is a continuous display for nearly or quite three months.

"FLOWER OF FAIRFIELD"

THE "EVERBLOOMING CRIMSON RAMBLER"

The best Climbing Rose in the market, flowering during the whole Summer in large clusters of finest crimson color.

Price for first rate plants with 3 to 5 shoots, open ground grown, $12.50 per 100, $120.00 per 1000.

Extra strong plants, from 5 and more branches at $18.00 per 100.

Package free, cash with order only.

SCHULTHEIS BROS., The "Old" Rose Gardens, at Steinfurth, near Bad-Nauheim, GERMANY

Please mention the Exchange when writing.

½ Million Roses

for February delivery in these and 400 other sorts

Summer grown, on own roots.

	Doz.	2½-in. 100	1000	4-in. 100
Anna de Diesbach	$0.50	$3.60	$30.00	$8.00
Anny Muller	.50	3.00	25.00	
Ball of Snow (Boule de Neige)	.50	3.50	30.00	8.00
Bridesmaid	.60	3.00	25.00	8.00
Bongere	.50	3.00	25.00	8.00
Catherine Zeimet (White Baby R.)	.50	3.50	30.00	10.00
Duchesse de Brabant	.50	3.00	25.00	7.00
Etoile de Lyon	.50	3.00	27.50	8.00
Gruss an Teplitz (Vir. R. Coxe)	.50	3.00	27.50	8.00
Helen Gould (Balduin)	.50	3.00	27.60	8.00
Madame Masson	.50	3.50	30.00	7.60
Mlle. Franziska Kruger	.60	3.00	25.00	8.00
Magna Charta	.50	3.50	30.00	7.00
Maman Cochet, Pink	.50	3.00	37.50	8.00
Marechal Niel (4-in. 10c., 12c., 15c)	.60	3.50	30.00	15.00
Marie van Houtte	.50	3.00	25.00	7.00
Meteor	.50	3.00	27.50	8.00
Papa Gontier	.60	3.00	27.50	7.00
Phyllis (Pink Baby Rambler)	.50	3.50	30.00	
Queen's Scarlet	.50	3.00	25.00	8.00
Reine Marie Henriette	.50	3.00	25.00	8.00
Rhea Reid	.60	4.00	35.00	10.00
The Bride	.50	3.00	25.00	8.00
Wellesley	.50	3.50	30.00	9.00
White Bongere	.50	3.00	25.00	8.00
White Maman Cochet	.50	3.00	27.50	8.00

Let us know your entire wants in Roses.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD, OHIO.

Please mention the Exchange when writing.

Hardy Perennials

Field-grown Clumps.

	Per 100
OENOTHERA Youngii	$4.00
HARDY PHLOX, Peachblow	3.00
HARDY PHLOX, mixed	1.60
PHLOX subulata alba	2.60
PHLOX maculata	3.00
PEONY Whittleyi	6.00
RUDBECKIA purpurea	4.00

SHRUBS

SPIRAEA Anthony Waterer, 2-1 ft.	7.00
HYDRANGEA grand. alba, 2 yr.	26.00
HYDRANGEA p. g., 2-1 ft.	7.00
CALIFORNIA PRIVET, 12-18 in.	1.50

Cash with order.

All the best varieties of DAHLIAS in strong field roots.

J. MURRAY BASSETT, Hammonton, N. J.

Please mention the Exchange when writing.

True Irish Shamrock

Nice thrifty stock, 2-in. Per 100 $3.00, per doz., by mail, 50c.

	Per 100
DOUBLE PETUNIAS, 2-in.	$2.00
HELIOTROPE, dark, 2-in., strong	1.00

ROOTED CUTTINGS

DOUBLE PETUNIAS, 25 vars., Dreer's strain	1.00
LANTANAS, Dwarf, 5 vars.	1.00
LANTANAS, trailing	1.25
ABUTILON Savitzii	1.40
HELIOTROPE, dark, for soil, R. C.	1.00
OAZANIA Splendens	1.50
STROBILANTHES Dyerana	1.25
CUPHEA	.75
AGERATUM, Gurney, Pauline, and White	.40

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

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GRAFTED ROSES

EDWARD J. TAYLOR,

GREEN'S FARMS, CONN.

Please mention the Exchange when writing.

Headquarters *for* Azalea Indica

AZALEA Indica, in bloom, for New Year, Simon Mardner, Deutsche Perle, Vervaeneana, 75c., $1.00, $1.50.

Easter Varieties, biggest stock in the country, in the leading American sorts as follows: **Bernard Andrea alba** and **Niobe** (double white); have only extra large plants of this variety, 16, 18, 20, 22 in., $1.00, $1.50 to $2.00 each. **Mme. Van der Cruysen, Simon Mardner, Vervaeneana, Deutsche Perle, Prof. Wolters, Helena Tellman, Apollo, Empress of India, Schreveriana** and other well-known American varieties. Price, 50c., 75c., $1.00, $1.25, $1.50 to $2.00 each. We don't carry any cheap Azaleas, only first-class.

COCOS Weddeliana, 3-in., 12 to 15 in. high, 16c. to 18c.

ARECA lutescens, 5-in., 35c.

LATANIA Borbonica, 4-in., 20c.

NEPHROLEPIS Whitmani, N. Todeoidee, 5-5½-6 in. pots, 35c., 40c. and 60c. each; 7-in., as big as a washtub, 76c. to $1.00 each. Two houses full. All pot grown.

KENTIA Forsteriana, 7-in. pots, single, 40-45-50 in. high, $2.00, $2.50 to $3.00; 5-in. pots, single, 25-30-35 in. high, $1.00, $1.25, $1.50 to $1.75.

KENTIA Belmoreana, 4-in., 25c.

PTERIS Victoriae, (Silver Fern). 5-in. pans, 3 ferns in a pan, very attractive, 30c. per pan.

GODFREY ASCHMANN

1012 W. ONTARIO ST. PHILADELPHIA, PA.

Please mention the Exchange when writing

Wholesale Trade List

ASPARAGUS plumosus, 2-in. pots, $5.00 per 100.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100.

CLEMATIS paniculata, 4-in. pots, $10.00 per 100.

CLEMATIS paniculata, 3-in. pots, $5.00 per 100.

SMILAX, 3-in. pots, $5.00 per 100.

FERNS, Boston and Scottii, 4-in. pots, $2.00 per 100.

FERNS FOR DISHES, 2½-in. pots, $3.00 per 100.

DRACÆNA indivisa, 4-in. pots, $10.00 per 100.

ENGLISH IVY, 3-in. pots, $5.00 per 100.

ROOTED CUTTINGS from soil, $1.00 per 100.

Heliotrope, dark blue and white; Feverfew, Lobelia, double and single, blue; Ageratum, Cigar Plant, Palor Ivy, Geraniums (assorted varieties).

Cash with order please.

C. EISELE, 11th & Westmoreland Sts., Philadelphia, Pa.

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THE AMERICAN CARNATION

Price, $3.50 net. Send for Sample Pages

A. T. DE LA MARE PRINTING & PUBLISHING CO. Ltd. 2 to 8 Duane Street, New York

Catalogs Received

A. T. COOK, Hyde Park, N. Y. —General Retail Catalog of Vegetable and Flower Seeds, Plants, Bulbs, Novelties, etc. Particular attention is drawn in this list to Cook's hybridized Potato Seed, of which he makes a specialty.

MOORE SEED COMPANY, Philadelphia, Pa.—Wholesale Price List of Seeds for Market Gardeners and Florists. Heavily illustrated catalog of 62 pages and covers, describing particularly all the stocks mentioned in its cover title as being used by the market gardener and florist.

BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y.—Trade List of Hammond's Slug Shot Works, Insecticides and Fungicides. Various Specialties of this well-known manufacturer are catalogued and priced, including Hammond's well-known Slug Shot, Grape Dust, Copper Solution, French Bordeaux Mixture, Horicum, Thrip Juice, Sward Food and other preparations of value to the plant trade.

ARCHIAS' SEED STORE, Sedalia, Mo.—27th Year of Archias' Garden Annual for 1910.—This catalog has a very complete list of desirable stocks in Vegetable, Garden, Farm and Flower Seeds, Gardeners' and Florists' Sundries, Poultry Supplies, of which it gives an extensive listing, Insecticides, Farming Implements and Garden Tools. Considerable attention is paid to a Goldfish Department and Canary Birds. The front cover page shows in a panel a collection of Pansies in colors, the back cover a panel of assorted vegetables, also in colors.

LEONARD SEED COMPANY, Chicago, Ill.—Descriptive Catalog, 1910. This, we note, is the company's 25th year, the business having been established in 1884 by Mr. S. F. Leonard who is still at the head of the firm. The catalog proper is fully representative of a large and diverse seed trade industry and lists all stock desirable for that business. A feature of the book is the views of the several stores in Chicago occupied by the firm, and the pictures showing crops growing in their various trial grounds. Additionally, much attention is given to Miscellaneous Grains and Forage Plants, Field Corn, Grass Seeds and Grass Mixtures. Flower Seeds and Bulbs are catalogued and the book of 104 pages is profusely illustrated.

VICK & HILL COMPANY, Rochester, N. Y.—Catalog of High Grade Aster Seed for Spring of 1910. This listing includes the V. & H. Co. Daybreak Sextette which consists of Daybreak, Purity, the white Daybreak, Lavender Daybreak, Salmon King, Lemon Drop and Rosy Morn, the last three being novelties. A full listing of Vick's Late Branching Asters, the "Money Makers" is given which includes in its colors, White, Rose, Pink, Crimson, Dark Violet, Lavender and Purple; Vick's New Early Branching, a distinct advance in the Branching class, coming in about two weeks earlier than the Late Branching sorts. In addition, there is a list of Upright Growing Asters of the latest and best sorts, including as Novelties, Vick & Hill Co.'s Splendor, Crimson Giant, Rose Giant and Upright Purple. Other standard varieties of Asters listed are the Improved Semple's Pink Branching, Hohenzollern and Truffaut's Peony Flowered sorts.

ROYAL PALM NURSERIES, Reasoner Bros., Oneco, Fla.—This catalog celebrates the 27th year since the establishment of the Royal Palm Nurseries, which, as may be inferred from the title, is distinctly a Southern institution and headquarters particularly for the fruits, flowers and other florists' stocks of that climate. Among the contents we note a careful listing of Tropical fruit plants and trees, Semi-Tropical and Temperate fruit trees and plants, Economical, Medicinal and Useful trees and plants, Bamboos and Grasses, Aquatics, Conifers, Palms and Cycads, a very full department of Ferns and Selaginellas, Foliage and Decorative plants, Tropical flowering plants and shrubs, Hardy and Half-hardy flowering plants and shrubs, Tropical and Sub-Tropical vines and creepers, Hardy and Half-Hardy vines and creepers, Tuberous, Bulbous and Herbaceous plants, Tropical, Hardy and Half-Hardy shade trees, Succulents and Epiphytes. A useful and handsome catalog printed very nicely and well illustrated.

W. J. UNWIN, Histon, Cambs, Eng. —Sweet Peas, 1910. In this catalog Mr. Unwin points out that he does not list novelties of the Unwin type only but also goes heavily into Spencers, both new and old. His novelties listed for 1910 are Gladys Burt, a soft rich salmon pink, on deep primrose ground, Spencer type; Edna Unwin, intense orange scarlet; Douglas Unwin, a beautiful rich self maroon of the largest Spencer type; Doris Burt, a large sunproof scarlet; Frank Unwin, soft lavender slightly suffused mauve, Spencer type; Clara Curtis, a fine deep primrose, Spencer form; Arthur Unwin, standard bright rose shaded cream, wings cream suffused rose, Spencer type; Blue Flake, a pleasing light blue flake on white ground, Unwin type; Nancy Perkins, a rich colored Henry Eckford, of the true Spencer form. Additionally, is listed the Unwin Novelties for 1909, followed by a select list of Sweet Peas arranged according to color.

ELMER D. SMITH & CO., Adrian, Mich.—Chrysanthemums and Asters for 1910. So far as our knowledge extends, this is the most complete catalog on the Chrysanthemum issued in America. It serves the double purpose not only of making us acquainted with the varieties of all types but as well, through the illustrations embodied in the book, with the appearance of the majority of the leaders. Commencing with American Chrysanthemums for 1910, are given Commercial, Exhibition and other types comprising the introductions of the Elmer D. Smith firm and other originators. The commercial section of this catalog includes a full listing of the Early, Midseason, Late and Exhibition varieties, of which last there are listed a greater assortment than may be generally known to exist. Following these are listed Anemones, Pompons, Singles, Dwarf Singles and Hardy varieties, while a chapter is given on Chrysanthemums for Special Purposes. Quite some attention is given to Asters of which Smith's Peerless, "The Best White Aster," forms the leader.

JOHNSON SEED COMPANY, Philadelphia, Pa.—Johnson's Garden and Farm Manual for 1910. The Jolly Old Gentleman with chin whiskers, on the front page, is here contemplating a fine head of Johnson's Holyrood Lettuce, evidently just picked fresh from the garden, the back cover carries illustrations of Johnson's Very Earliest Radish, Johnson's Very Earliest, the earliest and the hardiest of all Cabbages and Johnson's Jack Rose, the earliest good Tomato. All of the cover illustrations are in colors. A full listing of the Johnson Quality Standard Seeds in Vegetable, Farm and Flower Seeds is given; also Summer Flowering Bulbs, Pæonies, Roses, etc., together with a listing of Insecticides, Poultry Supplies and Garden and Farm Implements, etc. Among the novelties and specialties listed, we notice particularly Carpinteria Green Seeded large Lima; Johnson's Thunderhead Cabbage, a new German Cabbage to be introduced in 1911, trial packets now free; New Long-keeping Celery, Johnson's Manhattan; New Columbia Celery; Johnson's Indispensable Lettuce, Johnson's Five-eared Sugar Corn; Johnson's Northmount Egg Plant; Holyrood Hot Weather Lettuce; Johnson's Dreamwold, the most profitable Muskmelon; New Muskmelon, Johnson's Ringleader; New English Pea, "Dainty Duchess" and Johnson's Jack Rose Tomato.

D. LANDRETH SEED COMPANY, Bloomsdale Farms, Bristol, Pa.—This is the 126th annual edition of Landreth's Pedigree Seed Catalog, the oldest seed establishment in America, and, as stated in the preface, "One hundred and twenty-six years is a very brief period in the flight of time, but an exceedingly long one in the history of any commercial establishment, as is proved by the fact that there are only forty commercial establishments in the whole United States yet remaining in the hands of children of the founders of one hundred years ago." The arrangement of this catalog varies quite a little from that of many of its compeers in that far more space and attention is given to the description and illustrations of vegetable seeds than to the flower seed section, which latter, however, is quite complete, and all parts of the catalog are carefully illustrated. It should be particularly recommended for its careful cultural directions given for the stocks advertised. Many important planting notes and directions for buyers are given in the forepart of the catalog which will be found of benefit alike by the experienced as well as the inexperienced gardener. Referring again to the Vegetable section, while no special drive is made of novelties or particular specialties extolled one over the other, it is evident that the most critical attention has been paid to describe and illustrate the best in each class according to the needs of growers in the many sections of the United States with which this old and well established house transacts business.

J. G. HARRISON & SONS, Berlin, Md., Harrison's Nurseries.—In the production of this 1910 catalog, after more than 20 years of business experience, it is evident that much time and energy has been spent in the endeavor to keep abreast with other catalogs of a similar character and to make the present one fully informative in all directions embraced within its scope. The Harrison Nurseries now cover some 2,000 acres and the amount of land area and quantities grown of certain specialties are so astounding that one naturally wonders where does all the trade come from to warrant so stupendous an undertaking. For instance, in Strawberry plants, The Harrison firm announce they will set out 100 acres this coming Spring; a descriptive list of varieties in this line is extensive and embraces the

(*Catalogue received continued on page 160*).

These illustrations show how we grow California Privet here at Harrison's Nurseries—and the way our Privet looks when planted as hedges along driveways, walks, etc.

We have the right soil and climate here for growing California Privet, and take unusually good care of our plants. We cultivate the blocks each week, and during the dormant period last year we cropped the smaller sizes—one- and two-year—back to the ground. These plants developed a wonderfully bushy growth in 1909 and are now in prime shape.

The upper view represents a block from which tens of thousands of plants will be dug this spring. This is the kind of Privet you'll be proud to furnish your customers — fine, vigorous, well-rooted and branched plants, every one. In fact, Harrison's California Privet is so strong and thrifty as to be almost a distinct and separate variety in itself.

California Privet Plants for Hedges

By the Rod or by the Mile

Whether you want enough Privet to plant a rod or a mile, we want to supply you; write us NOW for particulars and prices. Owing to the mild climate of our locality we dig our Privet only as ordered; this does away with the necessity of digging and storing through the winter. When shipments are to be made, the roots are carefully protected and wrapped, and in this condition, Harrison's Privet can be shipped to any distance without drying out.

Try us on an order for California Privet; we have nearly 300,000 plants in sizes varying from 4–5 feet, down to 12–18 inches. We offer in addition very attractive stocks of Barberry, Arborvitae, Colorado and Koster's Blue Spruce, Norway Spruce, etc., also Fruit and Shade Trees of all kinds. Particulars on request. Address Box E.

Harrison's Nurseries, J. G. Harrison & Sons, Props., Berlin, Md.

To Progressive Carnation Growers Looking for Profits

You are looking for the variety that will show the most profit, plus the greatest satisfaction to your customers.

Very well, this Carnation will do both. Dorothy Gordon is vigorous and disease-free, with flowers of uniform color—a shade darker than Pink Enchantress. It produces at least a third more Carnations than does Enchantress, and much larger—average flowers of Dorothy Gordon measure 3 inches or more in diameter. It has a stiff stem, and is a long keeper.

Carnation Dorothy Gordon

It has regularly brought us double the profits of the leading commercial sorts—Enchantress for instance. Let us illustrate:

"Enchantress" sells at wholesale in the Philadelphia markets at $6 per 100; "Dorothy Gordon" has regularly brought us $9 per 100. In addition, "Dorothy Gordon" produces easily one-third more flowers, or an additional $3—giving a return of $12 from the same greenhouse space that would be required to grow $6 worth of "Enchantress!"

We are selling strong rooted cuttings at $10 per 100, or $75 per 1000. We are ready to demonstrate to you that you can grow Dorothy Gordon with greater profit than any other commercial Carnation. We invite you to come to Wyncote and see it growing in our houses; if you cannot do this, write for full particulars—we'll furnish some Carnation facts that will interest you!

JOSEPH HEACOCK COMPANY, Disseminators, Wyncote, Pa.

Please mention the Exchange when writing.

Carnation Cuttings

For Present and Later Delivery

	100	1000
Beacon, Enchantress, White Enchantress, White Perfection, Winsor	$2.50	$20.00
Winona, Lawson Enchantress	3.00	25.00
Georgia	5.00	40.00
Pink Delight	6.00	50.00

GEO. B. HART

24 Stone St., ROCHESTER, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

(*Catalogs Received—Continued from page 158*)

best sorts known to commerce. An illustration is shown of a Strawberry and orchard crop on the same land, which method of planting can be made to pay a handsome profit while the young orchard is coming to maturity. Peaches are listed extensively and about 3,000,000 trees are grown. The Apple stock comprises some 2,000,000 trees and preference is given to propagation by budding, care also being taken that no disease is allowed to gain a foothold in the Nursery. A department of Dwarf Apples is also incorporated; this size of tree is found particularly satisfactory for small gardens and in the back yards of city homes. Pears, Cherries, Plums, Grapes and the Small Fruits and extensively listed. The Ornamental Department is a feature in this catalog and particular attention has been given to the production of select lots of this class of stock. Shrubs, Trees, Herbaceous Plants, Roses and Hardy Herbaceous Peonies are all carried in goodly stock. The four cover pages are illustrated in colors, one of the most noticeable being that of Klondike Strawberry. The illustrations of Stayman's Winesap and Crawford's Late Peach are also of interest.

HENRY F. MICHELL CO., 1018 and 518 Market st., Philadelphia.—Catalog of Michell's seeds for 1910. This year the house attains its majority in point of establishment and the publication is a fitting souvenir. The book opens with a monthly table of farm and garden operations, each month embellished with a quaint illustration. Following are pages devoted to new introductions of plants for 1910, which include several new Carnations and Chrysanthemums, Fenical, a new double Geranium said to be the largest flowering variety in existence; Meehan's Marvel Mallows, recently the subject of a colored insert in the Exchange; American Pillar, the new hardy Rose; and Rose White Killarney. A novelty section takes up six pages, and features the new Crego Asters which have been so much lauded in the West, and several other Asters; new varieties of Baby's Breath, Cineraria, Cosmos, Delphiniums and Gaillardias; Dimorphotheca aurantiaca, the new, showy annual Daisy from South Africa which is evoking much interest this season; new Petunias and Poppies; the new Hybrid Gerberas, the most notable novelties, in the opinion, of many, in recent years; new Phloxes, Salvias, Verbenas and Stocks, Spencer Sweet Peas and many other flowers. Vegetable novelties illustrated and described are Holmes' Green Prolific and Carpenteria Pole Lima Beans, the former a variety originating in Philadelphia, and which "grows green, dries green and stays green;" and Watermelon Keckly Sweets, described as the toughest and thinnest rind Melon grown. There are two pages of Vegetable Specialties, covering Melons, Peas, Parsley, Radish, Spinach, and Tomatoes. The general lists of Vegetable and Flower Seeds are very full and comprehensive. There are four colored pages, the subjects being Michell's Giant Mixed Nasturtiums, Michell's Sweet Peas, Michell's Giant Flowering Peonies, and Michell's Japanese Iris Bulbs and Roots, Flowering and Decorative Plants, Chrysanthemums, Dahlias, Roses, Climbing Plants, Hedge Plants, Evergreens, Ornamental and Shade Trees, Hardy Deciduous Shrubs and Fruits, in variety, are also illustrated and described, and many pages are devoted to implements and garden and greenhouse supplies. The publication embraces 156 pages, and appears within stiff paper covers, the front page bearing a view in colors of grounds of an institution, the lawn of which was sown with Michell's Evergreen Grass Seed, with the catalog title embossed in gold and colors; the rear page is illustrated with a colored view of the two Michell store establishments. We have also received Michell's Wholesale Price List, for Florists and Market Gardeners, a 56-page publication supplementary to the general catalog.

PETER HENDERSON & CO., 35 and 37 Cortlandt St., New York.—"Everything for the Garden," for 1910. This is the annual Catalog of Vegetable and Flower Seeds, Plants, Bulbs, etc., of this well known house, and it is fully what might be expected from a progressive concern of 64 years' standing. The catalog proper opens with Grasses, and results from the Henderson Lawn Grass Seed, "four weeks from sowing—ready for mowing" are shown in a half page color plate. Vegetable novelties and specialties for the season are prefaced with a color plate showing Henderson's new Early Giant Bush Lima Beans and Henderson's Ponderosa Tomato. New kinds of Beans, Beets and Cabbage, Cauliflower, Henderson's Coreless Carrot, Henderson's new Silver Self-Blanching Celery, Peas, Potatoes, Radishes, are all described and illustrated in this section, which is followed by the usual category of standard Vegetable Seeds. Several pages are devoted to Farm Seeds. Then come 38 pages devoted to Flower Seed Specialties, and Novelties. Among these we find two new varieties of Amaranthus; a new double flowering Giant Antirrhinum; Henderson's Invincible Asters; Express Comet, a new early flowering Aster; new German Juno Asters; new Begonias, fibrous rooted; Imperial Hybrid Canterbury Bells, a new type; new Centaureas; New, early flowering, Cosmos; new Delphiniums; new varieties of Dianthus; Adnet's New Gerbera Hybrids; a new Lobelia, Illumination; a new Moon Flower; new varieties of Myosotis; new Petunias; new dwarf Phloxes; new Poppies Stocks of Nice "Abundance" and Henderson's new Spencer Sweet Peas, these with Henderson's Paragon Collection of Spencer's forming the subjects of a two-page color plate. The general list of flower seeds is, as usual, very extensive. Summer Flowering Bulbs, and Water Lilies and Aquatic Plants have separate sections devoted to them. The plant department opens with Roses, the place of honor being given to the two new hardy, everblooming, climbing Roses, Dr. W. Van Fleet and Silver Moon which the firm is sending out; these Roses are beautifully illustrated in a color plate, on the back of which is featured, also in colors, the Radiant Collection of eight hardy everblooming Roses. Nineteen pages altogether are devoted to Roses. Other plants in this department include garden and greenhouse plants, Carnations, Chrysanthemums, Dahlias, Ferns, Geraniums, Palms and Decorative Plants, Hardy Shrubs, Fruits, Garden and Greenhouse necessities are described in the concluding pages. The publication comprises 200 pages, bound in stiff paper covers printed in green, the front page bearing a garden scene and an embossed representation of the new Rose Dr. W. Van Fleet, and the rear page another Garden scene with embossed Spencer Sweet Peas.

Rooted Carnation Cuttings

	100	1000
WHITE		
Alma Ward	$15.00	$120.00
Shasta	12.00	100.00
Niagara	6.00	50.00
Georgia	6.00	50.00
Mrs. J. C. Vaughan	6.00	50.00
White Perfection	3.00	25.00
White Enchantress	3.00	25.00
Snow Flake	3.00	25.00
Lloyd	2.50	20.00
RED		
O. P. Bassett	6.00	50.00
Beacon	3.00	25.00
PLUM COLOR		
Gov. Dineen	6.00	50.00
CRIMSON		
Ruby	6.00	50.00
Wanoka	6.00	50.00
PINK		
Admiration	$12.00	$100.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Mary Tolman	12.00	100.00
Dorothy Gordon	10.00	75.00
May Day	6.00	50.00
Winsor	3.00	25.00
Afterglow	3.00	25.00
Winona	3.00	25.00
Enchantress	2.50	20.00
Rose Pk. Enchantress	2.50	20.00
VARIEGATED		
Conquest	12.00	100.00
Bay State	6.00	50.00
Apple Blossom	6.00	50.00
Mrs. M. A. Patten	2.50	20.00

Strong, clean cuttings—Ready for shipment now.

S. J. REUTER & SON, Inc., Westerly, R. I

Please mention the Exchange when writing.

SHASTA

WE are now shipping fine, strong cuttings of **Shasta,** as fast as they are ready to come out of the cutting bench. Orders on our books will take all that will be ready up to February 15th. If you want late February delivery you should send in your order at once before the other fellow gets them.

Come and see it growing if you can. Once you see it you will want to grow it. $12.00 per 100, $100.00 per 1000.

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

JUANITA

A Good Scarlet Carnation

Calyx never bursting—color bright—stem very strong—a steady bloomer—and a large flower.

Come and see it as often as you like.

Rooted Cuttings, $10.00 per 100; $80.00 per 1000; $300.00 per 5000.

THE FILLOW FLOWER CO., FLORISTS, Westport, Conn.

Please mention the Exchange when writing.

LUCILLE

The new Carnation, that will bring you more dollars and cents than any other Carnation. Try it. $12.00 per 100; $100.00 per 1000.

Write for circular.

A. F. LONGREN, Des Plaines, Ill.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.

LA FAYETTE, INDIANA

Please mention the Exchange when writing.

F. E.—The Best Advertising Medium

Important Announcement to Carnation Growers

CARNATION MRS. C. W. WARD

At the earnest solicitation of a large number of commercial and private growers, the Cottage Gardens Company has decided to disseminate, this year, the two famous carnations

Mrs. C. W. Ward and Alma Ward

Two varieties which are well known to all the leading growers of the country. Four years' test in the New York Market has demonstrated their popularity and good staying qualities. For the past three years we have been growing from fifteen to twenty-five thousand plants of each, during which time they have always commanded the highest market prices, and at no time has the supply been equal to the demand.

On the exhibition table they have taken the highest honors, and we believe it is safe to say these two Carnations stand without an equal.

Mrs. C. W. Ward

MRS. C. W. WARD is a perfectly formed flower with full center; color deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems, 24″ to 36″ in length. A vigorous, healthy grower, and has never shown disease of any kind.

A very early and free bloomer, producing fine flowers as early as September 1, which bring from twenty-five to fifty per cent. more than any other variety on the market.

The keeping qualities of this variety are remarkable. Several shipments of blooms sent to Europe reached their destinations in perfect condition, and wherever exhibited it has always been the last to show signs of wilting.

AWARDS

Silver Medal of the Society of American Florists.....Boston, 1906
The Craig Cup for Best Seedling.....Philadelphia, 1906
The Lawson Bronze Medal.....Washington, 1908
The Horticultural Society of N. Y. Silver Medal, Sweepstake Prize for Best 100 Blooms.....New York, 1909
The Horticultural Society of N. Y. Diploma for Best New Variety .....New York, 1909

Rooted Cuttings, $2.00 per 12, $12.00 per 100, $100.00 per 1000.

25 at the 100 rate. 250 at the 1000 rate

Delivery February 1st

Alma Ward

This beautiful Carnation is pure white, except during dark weather, when it shows delicate splashings of pink similar to the Cattleya, increasing its popularity.

ALMA WARD is the largest, most fragrant Carnation ever grown, producing perfect flowers 3½″ to 4½″ in diameter, on strong, erect stems, 36″ to 42″ in length.

This most remarkable variety takes the same place among Carnations as the American Beauty Rose does among Roses, and has, during the past four years, been awarded numerous prizes, including the following:

The Lawson Silver Medal.....Toronto, 1907
(No Gold Medal having been awarded)
The Lawson Gold Medal.....Washington, 1908
Silver Medal of the Society of American Florists.....Washington, 1908

Rooted Cuttings, $3.00 per 12, $5.00 per 25, $9.00 per 50, $15.00 per 100, $35.00 per 250, $65.00 per 500, $120.00 per 1000.

Delivery February 1st

INVITATION We extend a cordial invitation to all those interested to visit our establishment, where they will have an opportunity to see these varieties growing and to compare their good points with other standard varieties grown under the same conditions.

COTTAGE GARDENS CO. Inc. QUEENS (L. I.), N. Y.

MARY TOLMAN

Winner of First Prize at Milwaukee. Deep flesh pink, the most beautiful color of any in this class. Does not fade in the strongest light. An excellent, clean, upright grower, long, stiff stems and perfectly formed flowers. Will produce more perfect blooms in a season than Enchantress. We want your order for this excellent Carnation. Orders booked now for February, 1910, delivery. **$12.00 per 100, $100.00 per 1000.**

A. E. Hunt & Co. Evanston, Ill. — **Chicago Carnation Co.** Joliet, Ill. — **Hunt Bros.** Park Ridge, Ill.

Please mention the Exchange when writing.

CONQUEST

Light pink overlaid with deep rose. The most valuable and fancy Carnation on the Market.

Winner of First Prize Wherever Shown

Habit of Lawson; very free; stem long as Enchantress, and stiff; the flowers are large and well formed, making a good impression wherever shown, and can be used to good advantage in many different ways.

Chicago Carnation Co.
A. T. PYFER, Mgr. JOLIET, ILL.

Please mention the Exchange when writing.

Brilliant glistening pink, brighter than Winsor or Winona

SANGAMO

Winner at Chicago, St. Louis and Milwaukee Flower Shows

Perfectly formed flowers on long, stiff stems; calyx does not split. The most **PROLIFIC** Carnation grown to-day. Everybody pronounces it the best "bread-and-butter" Carnation they have ever seen growing.

ROOTED CUTTINGS, ready Jan. 1st., **$12.00 per 100, $100.00 per 1000.**

CHICAGO CARNATION CO. JOLIET, ILL. — **A. C. BROWN** SPRINGFIELD, ILL.

Please mention the Exchange when writing.

Rooted Carnation Cuttings

NEW CARNATIONS FOR 1910

	Per 100		Per 100
Dorothy Gordon	$12.00	Admiration	$12.00
Shasta	12.00	Alma Ward	12.00
Scarlet Glow	12.00	Mrs. C. W. Ward	12.00
Sangamo	12.00	Conquest	12.00

CARNATIONS OF 1909

	Per 100		Per 100
O. P. Bassett	$6.00	Ruby	$6.00
Pink Delight	6.00	Mrs. J. C. Vaughan	6.00
Mrs. Chas. Knopf	6.00	Georgia	6.00

STANDARD VARIETIES

WHITE VARIETIES	Per 100	PINK VARIETIES	Per 100
White Enchantress	$3.00	Winsor	$3.00
Lady Bountiful	3.00	Afterglow	3.00
White Perfection	3.00	Splendor	3.00
Queen Louise	2.00	Pink Imperial	2.50
The Queen	2.00	Rose Pink Enchantress	2.50
My Maryland	2.00	Mrs. Thos. Lawson	2.00
Sarah Hill	3.00	Nelson Fisher	2.00
Lloyd	3.00	Mabelle	1.50
		Variegated Enchantress	2.50
RED VARIETIES		**YELLOW VARIETIES**	
Robert Craig	3.00	Eldorado	2.00
John E. Haines	2.00	Golden Beauty	2.00
Beacon	3.50	**VARIEGATED VARIETIES**	
Flamingo	2.00	Mrs. Patten	2.50
Victory	3.00	Jessica	2.50
Roosevelt	2.00		
Harlowarden	2.00		
Cardinal	2.00		

GRAFTED AND OWN ROOT ROSES READY FOR EARLY DELIVERY. SEND FOR CIRCULAR

CHOICE VARIETIES OF VERBENAS

Rooted Cuttings, our selection; 75c. per 100; $6.00 per 1000.
Plants, 2¼-in. pots, our selection; $2.50 per 100; $20.00 per 1000.
Rooted Cuttings, purchaser's selection; $3.00 per 100; $8.00 per 1000.
Plants, 2¼-in. pots, purchaser's selection; $3.00 per 100; $25.00 per 1000.
Entirely sold out of Miss Willmott cuttings and plants.

J. L. DILLON, Wholesale and Retail FLORIST, **Bloomsburg, Pa.**

Please mention the Exchange when writing.

F. E.—The Best Advertising Medium

California Notes

Southern California is an interesting country to the student of plant life and of climatology. All other sections of the United States of the same extent of territory in the same parallels of latitude present the same general appearance, and the same vegetation grows as well in one part as in any other. President Wheeler of our State University is credited with the saying that, "beginning with the coast, forty varieties of climate may be found on a journey of forty miles inland," which is practically true. A trip to Redlands, San Bernardino and Riverside during the recent holiday season was a revelation to me and a practical illustration of the correctness of the proposition. The section of the State is known as the San Gabriel valley. The distance is 67 miles. The elevation above sea level is 291 ft. at Los Angeles, 1039 ft. at San Bernardino, 1334 ft. at Redlands and 868 ft. at Riverside. About Los Angeles Heliotrope, Fuchsias and Plumbago Capensis were in bloom, and where trained to supports were 8 to 15 ft. high. East of the city, ten miles, fields of Violets were in full bloom. Acres of Peas and other hardy vegetables were green and luxuriant. As we approached Pomona, 34 miles inland, at an elevation of 515 ft., the effects of frost on vegetation began to be apparent, and from there to Riverside and San Bernardino—a section of country the most valuable to the square mile of any other section of the United States, because of its citrus fruit orchards and Walnut groves—the sight is distressing in the extreme to the lover of plant life, to see the effects of the frost on the luxuriant young growths of Orange and Lemon trees, square mile after square mile in extent. The amount of fruit on the trees is not nearly so great as I have seen in these same orchards, and if a 30,000 carload record is to be made this year for California the fruit must come from somewhere else than is to be seen from the car windows. It does not necessarily follow that because the tender growth is killed by the frost the fruit is damaged also, for two reasons: first, it is protected by the hard mature foliage; and, second, it will stand a lower temperature without injury. At San Bernardino, Geraniums were killed to the ground, and no other flowers of a tender nature were to be seen. There is another factor characteristic of that, and all other inland sections of the State, which precludes the cultivation of so great a variety of plants as are grown near the Coast, namely, low relative humidity.

And now the most interesting part of this story to all readers outside of California will appear—that which relates to Redlands and the country immediately surrounding it. The distance between it and Riverside, on an air line, is about nine miles. The difference in altitude is 466 ft., which places Redlands in what is known in this State as "the thermal" or frostless belt. As a matter of fact, there is no frostless belt in this State, but it is in these peculiar locations, situated as they are between the altitudes, above which a citrus tree will not endure the cold and below which the frost makes its culture for profit hazardous—and such is the situation of Redlands, so named because of the color of the soil.

A plain statement of facts as I observed them may help the reader to a correct understanding of climatic conditions as they exist there. The tender growths of citrus fruit trees were not injured. Bougainvilleas covered the one side of a two-storied house. Bignonia venusta showed bloom and the same vigor which characterizes it in Los Angeles, Carnations in the open had the same appearance as they have here at this season of the year. But the absence of Ferns of the Nephrolepis type, and Begonias, so extensively grown here, was indicative of a low relative humidity during the Summer.

A drive through Smiley Heights, a private park of a hundred acres, open to the public at all times, except to that part of our population which travels in

automobiles and on motorcycles, is worth the price of a trip across the continent.

Founded by twin brothers named Smiley, and maintained by them at great expense, it is a collection of all plants which will endure the climate, and for scenic beauty it has no equal in Southern California. The Orange groves of the valley and the villages which nestle among them, present a beautiful sight indeed. The elevation of these grounds at the highest point must be 1500 ft. Of the many interesting subjects growing thereon I noticed Genista Canariensis, which seeds freely and has the appearance of being indigenous to the place. Phœnix Canariensis fruits so abundantly and the color of the fruit is so rich and clean that the trees are more attractive than any I have seen in any other part of the State. Nandina domestica, an evergreen shrub native of China, is one of the conspicuous subjects because of the panicles of vermilion colored berries. It is grown in a shrubbery, away from the direct rays of the sun. Primula obconica in large beds in shaded locations show vigorous foliage and fine flowers; so also do Cyclamens.

A characteristic of these "thermal belts" is that scale pests, which are a menace to successful plant culture in sections of greater humidity, are not so numerous and pernicious. Indeed, Pepper trees are not infested there with black scale as they are here, which obviates the necessity of cutting the tops off every few years and burning them, or spraying with insecticides, as we are obliged to do. Neither are the Redlands citrus fruit growers under the necessity of fumigating their trees so often to keep them clean.

These are observations of but a day. To study the subject thoroughly, which includes irrigation, cultivation, fumigation, and fertilization, would require at least a month of time, and that, too, away from the railroad, among the growers, the men and women who are above the average in intelligence, working with a will and tenacity of purpose to convert this desert country into a land of beauty, in which it shall be pleasant and profitable to dwell. P. D. BARNHART.

New Haven, Conn.

Joseph J. Sokol, 21 Hard st., Westville, has taken over the 35,000 sq. ft. of glass formerly run under the name of Sokol Bros. He recently erected a large house and a pronagating house, some distance from the old range, and intends to erect more glass on the new location during the coming season. Mr. Sokol makes a specialty of plant trade and ships to all parts of the country. At this time he has an excellent lot of Primula obconica in 4" pots, Hydrangea Otaksa in 5" to 7" pots and some extra fine Cinerarias in 4" and 5" pots. His houses are holding more stock at present than the average grower usually puts in 50,000 sq. ft., every spare inch of space being utilized. The present range is one of the oldest in New Haven, but has only been under the direction of Mr. Sokol for a short term of years. The Freesias grown here are from an especially fine strain belonging to Mr. Sokol, pure white, with extra long stems.

The New Haven Nurseries Co. is comparatively new, being formed during the past season. Louis Soldan is general manager, and his extensive acquaintance among local people and the trade in general will surely result in more business than their present 12 acres can accommodate. The downtown office is at 123 Church st., and the nursery is on Ellsworth ave.

Alfred Ostermann has one of the best locations in this city, as he is nearly at the corner of Church and Chapel sts., at which corner all cars meet and the waiting public have a chance to look around. This store has been here for about six years and some exceedingly good trade is reported for the past holidays, and since that time funeral work has been brisk.

H. Trisch of Newhall and Lilac sts., has some 5000 ft. of glass and grows a general assortment of stock for the retail and funeral trade, to which he caters. Some exceedingly fine Cinerarias, Paper Whites and Primroses are now in flower, and during the holidays he forced large numbers of Tulips. He has been here for the past 12 years, and does considerable landscape and nursery work in connection with his flower trade.

Gustave Amrhyn is superintendent of parks, and at present has 10 parks, with a total of 1017 acres. Mr. Amrhyn has had charge of the park system for the past 10 years and at present employs a Winter force of about 25 men.

Here it is! **Bon Ami** A NEW WHITE CARNATION

Equal in production to the old Queen, with flowers of a far superior quality. An excellent, clean, upright grower, producing no surplus grass. Stem, very strong and of good length. Average size of flower, 3 inches. An early, continuous bloomer. **Bon Ami** will prove a good friend to all who will try it.

$10.00 per 100, $75.00 per 1000. Orders booked now for February delivery.

GEORGE E. BUXTON, Nashua, N. H.

Please mention the Exchange when writing.

Carnations

LATE DELIVERY PRICES

Ready to ship about March 15th

White Perfection, Rose Pink, Afterglow, Enchantress, and Victory at $15.00 per 1000.

White Enchantress at $7.50 per 1000.

Lawson Enchantress, Winona and Beacon at $20.00 per 000.

O. P. Bassett and Alvina at $35 00 per 1 00

Lawson, Winsor and Harry Fenn at $10.00 per 1000

Hundreds supplied at thousand rates

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

Carnation Cuttings

	100	1000
Beacon, Enchantress, White Enchantress, White Perfection, Winona, Lawson-Enchantress	$2.50	$20.00
Winsor	2.00	15.00
Georgia	4.00	35.00

WHITE BROTHERS, GASPORT, N. Y.

Please mention the Exchange when writing.

A New Carnation Seedling of Wonderful Merit will be offered to the Florists' Trade in February, 1910. Orders booked now. This Carnation,

"The Constant"

Grown by Wm. Bester, of Hagerstown, Md. Color between Rose Pink and Winsor. Produces long stems and large blooms from October to June. Free of any disease and no cropper. Calyx perfect. Blooms keep in good condition ten days. This Carnation grown and tested by Mr. Bester for three years and all points guaranteed. The original seedling produced under the most scientific cultural conditions and will supersede the Lawson.

Price for Strong Cuttings only $10 per 100.

Before buying other varieties Florists should send for samples of this Carnation, as they will compare favorably on all points with any other Carnation on the market. Blooms mailed free on request.

Address

WM. BESTER, Florist, HAGERSTOWN, MD., or C. S. FORD, Traveling Agent, P. O. Box 4515, WEST PARK, PHILADELPHIA, PA.

Established 1881. Florists' Supplies, Novelties, etc.

Please mention the Exchange when writing.

Rooted Cuttings

	Per 100	1000
Perfection	$2.25	$20.00
Georgia	5.00	
Rose Enchantress	2.00	16.00
Winona	3.00	25.00
Afterglow	3.00	25.00
Winsor	2.00	15.00
Mrs. Patten	2.00	15.00
Harry Fenn	2.00	15.00
Beacon	2.50	20.00

QUIDNICK GREENHOUSES, J. H. Cushing, Prop., Quidnick, Anthony P. O. R. I.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Strong, Healthy, Well Rooted Cuttings, Now Ready

	100	1000
GEORGIA, best white	$6.00	$50.00
HARVARD, crimson	4.00	35.00
FAUST, Christmas scarlet	3.00	25.00
ENCHANTRESS	2.50	20.00
ROSE PINK ENCHANTRESS	2.50	20.00
WHITE ENCHANTRESS	$3.00	$25.00
WINSOR	2.50	20.00
BEACON	3.00	25.00
VICTORY	2.50	20.00
BAY STATE	6.00	50.00
VICTORIA (extra good)	4.00	35.00

Remember, we guarantee satisfaction.

Address all orders to

JAMES D. COCKCROFT, NORTHPORT, L. I., N. Y.

Please mention the Exchange when writing.

"Canary Bird" THE BEST YELLOW CARNATION EVER INTRODUCED

EARLY—FREE—LARGE

Rooted Cuttings Ready Now, per 100 $12.00, per 1000 $100.00

Henry Schrade, Saratoga Springs, N. Y. — Scranton Florist Supply Co., Scranton, Pa.

Please mention the Exchange when writing.

CARNATIONS

ROOTED CUTTINGS

	100	1000
WHITE		
Apple Blossom	$5.00	
Mrs. J. C. Vaughan	6.00	
White Perfection	2.50	$22.00
White Enchantress	2.50	22.00
The Queen	1.60	12.00
PINK		
Pink Delight	6.00	
After Glow	4.00	30.00
Viola Sinclair	2.60	
Lawson Enchantress	3.50	30.00
Winona	3.50	30.00
Rose Pink Enchantress	2.50	20.00
Enchantress	2.00	18.00
Mrs. Thos. Lawson and Winsor	1.50	14.00
RED		
Beacon	2.25	20.00
CRIMSON		
Harvard	3.60	30.00
Harry Fenn	1.60	12.50

January and February delivery.

Less 2 per cent. for cash with order. Quality guaranteed or money refunded.

B. F. BARR & CO., Keystone Nurseries, Lancaster, Pa.

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, $12.00 per 100, $100.00 per 1000.

Alma Ward, $16.00 per 100, $125.00 per 1000.

Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett, $6.00 per 100, $60.00 per 1000.

White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink, Enchantress and Harlowarden, $3.60 per 100, $30.00 per 1000.

New crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons, at 25c. and $1.00 per package.

CHAS. H. TOTTY, MADISON, N. J.

Please mention the Exchange when writing.

THE EXCHANGE—Best Advertising Medium

Rooted Cuttings

Fine, Clean, Strong, Well-rooted Stock

Carnations

	100	1000
O. P. Bassett	$6.00	$50.00
Victory	2.50	20.00
Beacon	2.50	20.00
Enchantress	2.00	15.00
Winsor	2.00	15.00
Rose Pink Enchantress	1.50	12.50
Lawson	1.50	12.50
White Perfection	2.00	15.00
White Lawson	1.50	12.50

Roses

	100	1000
Richmond	$2.00	$17.50
Chatenay	2.00	17.50
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Evergreens for Hedges

The following notes on evergreens for hedges, from Mr. Otto Katzenstein of Atlanta, Georgia, will be read with interest:

"Your notes on evergreen hedge plants in the current issue of the EXCHANGE had my special interest. I have always believed that Wax Myrtle and Ink Berry ought to be grown by the ten thousand instead of tens and hundreds, and while in Pinehurst I did keep a very good-sized stock of them.

You are right in balking at the trouble of raising these plants from seed, but as long as the woods are full of them, and they can be collected at a very reasonable expense, there is no reason why a nursery could not have a fine stock within twelve months from taking them in stock.

I do not think very much of Euonymus Japonicus. It is a good enough plant but altogether too easily affected by the Euonymus scale. There is no remedy against it once a plant is diseased and the scale will spread over every other species of Euonymus of the whole section. Only quite recently I was consulted regarding a lot of diseased plants, and while examining them found a big cluster of E. Americanus just covered also. I had to have the lot dug out and cremated to prevent further damage. I found this scale in Pinehurst, in Raleigh, and a good many other places and I run shy of E. Japonicus for this reason. If I could hear of a remedy, I should like to try it. Whaleoil soap, fumigation, etc., are of no avail.

The very best of our native evergreens is Ilex Dahoon. It beats all others to a frazzle. There are a number of fine specimens in a park here which are immensely admired by everybody. A nurseryman growing a big stock can make his fortune, I believe, with Ilex Dahoon."

The Euonymus scale which he mentions is visible wherever the evergreen one is, and on deciduous ones as well, but it will not do to say the pest cannot be killed. Scalecide will kill it, and has done it for me, and I think anything else that destroys San José scale would kill it as well. The dose the writer gave some Euonymus was so strong that it killed the foliage as well as the scale, but the bush pushed afresh with vigor; there is no need to have the mixture so strong. JOS. MEEHAN.

Parasitic Plants on Rhododendrons

Editor The Florists' Exchange:

In reference to an article in a recent issue of the EXCHANGE entitled "Parasitic Plants on Rhododendrons," permit me to offer the following.

It is a well-known fact, that a co-partnership between green, or chlorophyl bearing, plants and fungi is of rather common occurrence in Nature. It is most pronounced in the case of lichens, where the "living together" of algæ and fungi is termed symbiosis, less so, when the fungus, or mycelium of fungi, on the roots of plants of the higher orders (phanerogames) forms the, so-called, mycorrhiza (fungus root). But, evidently, the partnership is beneficial to both kinds of plants, and the fungi, therefore, cannot justly be termed parasites in this case.

Rhododendrons, as well as most—probably all—plants of the order ericaceæ, are favored with those fungus roots, and that, most likely, is the reason why they delight in a soil rich in decaying vegetable matter, such as peat and leaf mold; but it also suggests that they should like well rotted manure, and they certainly do. Of course, they will not stand for any fresh manure, or manure containing much calcareous matter—hen manure, for instance—but otherwise, give them any old manure, and they will relish it, especially if it has been well worked into the soil some time in advance of the planting. A batch of Azaleas (A. mollis) in a Chicago park, some years ago, did extremely well, not alone in flowering, but in growth also, in ground which in earlier days had been used as a dump for night soil, and still gave off a pretty strong odor when stirred. Nicholson's Dictionary of Gardening advises the intermixture with the soil of Rhododendron beds of dried cow manure, but, no doubt, the drying process can be dispensed with, if the manure is old and well rotted. The lime in the water seeping in from the surrounding ground, and that in the "hard" water supplied through the hose, is what generally ails Rhododendrons and Azaleas, and other ericaceous plants in prepared beds, together with the possible severity of climate, for example, Chicago's.

The name of the fungus forming the mycorrhiza on Rhododendrons most likely could not be determined, even by a specialist in mycology, as he would find only the mycelium, but it is, of course, of no more practical importance than the discovery of the north pole.

Chicago, Jan. 14, 1910. J. P. PEDERSEN.

Editor The Florists' Exchange:

An interesting question was raised in your issue of Jan. 8, p. 53, on plant symbiosis, the article in question being in reference to the Rhododendron family.

In regard to the scientific point involved few of us have decided opinions, but when it comes to the practical question, as to whether or not manure can be used for the benefit of Rhododendron plants, I am of the opinion that most growers will agree with Inquirer, that an application of manure judiciously used is of great benefit to not only Rhododendrons, but kindred plants.

If wanted as a topdressing, to be applied in the Fall, even fresh cow or ox manure may be used; but if wanted for use in a compost in which to plant Rhododendrons, then well-rotted manure only should be used. The same remarks apply to the Lily family.

As to the question "peat, or no peat" for Rhododendrons, our own opinion is that while a peaty soil is an advantage in preparing beds or borders for such plants, yet it is not indispensable, as to being about the open porous condition of soil wanted, and which may be easily penetrated by the fine hair-like roots of Rhododendrons, an addition of leaf soil or swamp muck to any good virgin loam, with some well-rotted manure, will bring about results equal if not superior to what would be had were peat used. As to trouble with chalk in the soil, an application of Epsom salts, we have been informed, will overcome that difficulty.

Many newly imported Rhododendrons are killed annually by being planted with a large ball of peat around their roots, which material, when planted in ordinary soil does not incorporate with it, but remain in a separate lump and in Summer becomes like a dry sponge, starving the plant to death. A better plan is to partly break up the ball so that new roots will have a chance to strike out into the new soil.

Newport, R. I. ALEXANDER MACLELLAN.

Editor The Florists' Exchange:

I am very much interested in the article that appeared in your valuable columns on Parasitic Plants on Rhododendrons. I have handled these plants by the thousands, and have planted them in almost every kind of soil where a shrub would grow, but never before heard of parasites on the roots of these glorious shrubs. However, there might be such a thing, but I can say that manure has never injured any that I have ever planted; in fact, good manure such as cow manure, well rotted, is considered an excellent food for them. I am educating the people in the Middle West to plant them in large quantities, assuring them that they will be well repaid for the money spent. I find Rhododendrons do well in heavy, wet or clayey soils, but the best I have ever seen are grown in a loamy soil just above gravel, in the southwest part of England. I have seen them attain the height of 15 ft. I have seen hedges on the west coast of England running for miles each side of a road, growing in nothing but beds of flint 18 inches below the surface. I have also seen them grown on the eastern coast of England on sheer sand, where hardly grass would grow. As the gentleman says, they will not grow on chalk; nevertheless, if you will take the trouble to find out you will find that they grow in and around marl, which is a good duplicate of chalk. Around Eastbourne, Hastings, and St. Leonards, and Hailsham, in England, where the great marl hills are, they grow abundantly. I hope to see some good lively discussion on this subject.

La Grange, Ill. WALTER SCOTT.

Shade Trees in Cities

At a meeting of the Horticultural Society of New York, held recently, Mr. William Solotaroff, who is connected with the Shade Tree Commission, of East Orange, N. J., delivered an interesting lecture on this subject. The lecturer opened his remarks by saying that upon the arrival of the first settlers in this country, the first idea had been to procure a shelter and obtain ground for the raising of crops. These being the main and essential things, the preservation of trees, in the laying out of their villages and towns, had not been considered of importance. This habit, thus engendered, had grown with the people, and it was only comparatively recently that the necessity of trees in cities had been appreciated. The city was not only, he said, a place of commerce, but it was largely made up of homes, and anything which added to its beauty, which trees certainly did, increased the value of its property. The tree, therefore, as an essential thing in the city was being recognized; and it was also becoming evident that the trees in a city should not be left to the care of the individual, but should be placed under the charge of the city itself. If left to the individual there would be many kinds of trees on the same street, a condition usually to be avoided; they would be planted in different ways and at unequal distances; the pruning would not be properly done, nor the trees systematically treated for insect and fungus pests. To insure uniformity in the planting of trees and their proper maintenance after planting, it was necessary to place the whole matter under official control. In cities where this had been done for many years, notably, for example, in Washington, D. C., the results were most satisfactory. To insure this uniform result the street should be treated as a unit, that is, only one species of tree should be employed, and the pruning should be done with a definite aim in view; to provide shade without obstructing the sidewalks or roadways, interfering with the view, or preventing the free circulation of the air.

It was the State of New Jersey, he said, which first recognized the necessity of vesting this power in a central body, and in 1893 that State enacted a law, a local option law, for the planting and care of shade trees. Passaic was the first city to adopt this law. Newark followed, and the third city to make it active was East Orange. There were now 22 cities in New Jersey which had shade tree commissions. So successful had these commissions been that other States and cities had followed the example thus set them, the State of Pennsylvania enacting a similar law in 1907.

The lecturer then exhibited a series of lantern slides, showing streets in various cities, planted as they should and should not be. The illustrations were certainly convincing. A number of the views were taken in Washington, D. C., the speaker remarking that it was the abundance of fine shade trees and the care used in their selection and planting which made that such a beautiful city. One street shown was planted entirely with the American Elm. In Indiana ave. the Oriental Plane, Platanus orientalis, had been used, the lecturer speaking in the highest terms of it as a street shade tree. The American Linden had been assigned to Massachusetts ave. His auditors were then taken to his home city, East Orange, by means of slides showing some of his own work. The results achieved in a few years certainly appeared most gratifying. The work had been accomplished economically, at a small expense per capita.

Mr. Solotaroff then remarked upon the importance of the choice of trees in street planting. The desire, he said, was often for a rapidly growing trees, at the sacrifice of other more desirable qualities. The Carolina Poplar was often selected on account of its rapid growth, but he could not recommend it, as its roots soon pervaded everything, filling drain pipes, lifting pavements, and becoming a nuisance generally. The soft Maple was also condemned as being undesirable. The Oaks were highly recommended, especially the red and pin Oaks. A slide was exhibited of 12th st. in Washington, planted with red Oaks, which, the speaker said, should be an inspiration to every tree-lover. The prejudice against the Oaks he laid to the fact that trees of this kind were often taken directly from the woods. This was a severe test for any tree, and especially for the Oaks, as the feeding roots were a long way from the base of the stem, and were left in the ground when the trees was dug up. In nursery-grown trees this difficulty was overcome, the constant plowing and root-pruning to which they were subjected, resulting in a ball of roots close to the stem, insuring a mass of feeding roots when the tree was transplanted. A series of slides illustrated this point admirably.

The subject of the pruning of trees was discussed. A fruit tree should be pruned, he said, to produce the greatest quantity of fruit; a lawn tree to preserve its odd or peculiar shape; but shade trees in streets should be pruned a uniform height, and in such a manner as to make a compact top, at the same time retaining, in so far as possible, the natural habit and growth of the species. The proper methods of pruning were illustrated with lantern slides, a number of slides portraying the disastrous results which followed pruning improperly done. Tree surgery was recommended for comparatively small wounds, but the speaker did not seem to feel so sure of it for large cavities.

The pests of shade trees were also commented upon. These the speaker divided into three classes: Those which feed upon the foliage, such as the caterpillar of the tussock moth; the borers, represented by the caterpillar of the leopard moth; and the scale insects, including the cottony scale. Methods of spraying were described, and several forms of spraying machines illustrated. G. V. N.

The Forthcoming Great Orchid Exhibition

The greatest exhibition of Orchids that has ever taken place in the United States, and perhaps in the world, is scheduled for May 26 to May 30, 1910. The patron of the show is the Massachusetts Horticultural Society, and the city in which it is to be held, Boston.

Attention has previously been drawn to this great attraction and feast which is provided for lovers of the Orchid and especial note has been made of the magnitude of the prize offers; in Class 1, for instance, the awards being for first prize winner, $1000; 2, $500, 3, $250.

It is expected that the liberality of the awards will attract competitors from over the seas; if this happens it surely will create much additional enthusiasm.

Intending exhibitors must bear in mind to file their entries with the secretary of the Society not later than April 1, 1910. Schedules may be obtained of the secretary, Wm. P. Rich, 300 Mass. ave., Boston, Mass.

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Fires

EVERETT, MASS.—A fire damaged the greenhouses of Mr. Towle to the extent of $500.

SHORT HILLS, N. J.—The greenhouses of Thomas Jones were damaged by fire to the extent of $2,200 on January 10.

MANSFIELD, O.—The big greenhouse of the Stuhldreher Bros. was damaged by fire, to the extent of $1500, on January 11.

EVERETT, MASS.—The boiler house connected with the Woodlawn Cemetery greenhouses was destroyed by fire January 9.

EVANSVILLE, IND.—The Ohio Valley Seed Co. were losers through a fire which on Jan. 26 completely destroyed the building of the Journal News Company.

AN

APHINE TEST

ON ROSES

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THE BRIDE
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Please mention the Exchange when writing.

Firms Who are Building

KANKAKEE, ILL.—Raasch Bros. have purchased five acres of land from Mrs. H. C. Clarke for greenhouse purposes and will raise Carnations for the Chicago market. The greenhouse will be 47 by 200 ft.

Brooklyn, N. Y.

A meeting of the directors of the Greater New York Florists' Association of Brooklyn, held Jan. 27, resulted in a recommendation to the stockholders of that concern that they declare a dividend of 10%. Considering the short time the Association has been in existence, and the dull business period it has struggled through, this is a fine showing, and speaks well for the ability of Manager G. W. Crawbuck. It is expected that the Association will soon have to remove to larger quarters, and preliminary arrangements have been entered into toward the securing of property directly opposite its present location, which, if secured, will be altered to suit the many requirements of the business, and a cold storage plant will be installed.

W. H. Kuebler, the Brooklyn wholesaler, has distributed a fine calendar among his patrons this year. The florists' supply department of his business, which is located above the flower store, 28 Willoughby st., has proved popular among the local retailers.

Bonnet & Blake, wholesale florists of Brooklyn, are pleased to say that their business has been very good, especially in Roses of every variety.

Carnations have also been called for to such an extent that the firm must secure more shipments to enable them to fill their orders.

MONTPELIER, VT.—Owing to the intense cold, Frank Benway of Kent st. lost the entire contents of his well-stocked greenhouse. He will restock the greenhouse.

CLEVELAND, O.—A greenhouse owned by Fred C. Witthuhn, 359S West 25th st., was wrecked shortly before midoight last Sunday, and broken glass was scattered for a quarter of a mile by the explosion of a boiler. The boiler room, in which the heating plant of the greenhouse was located, was blown to atoms, while great furrows were ploughed in the ground for several yards in every direction. The explosion is said to have been due to a lack of water in the boiler. A slight blaze was started in the greenhouse by the coals from the firebox of the boiler, but was extinguished with little trouble.

MARYSVILLE, CAL.—J. W. Evans, Jr., who is connected with a new floral and seed store, has leased the well-known Karr property for a term of years. The property is on F st., and Mr. Evans will use it for nursery and greenhouse purposes. At an early date the lessee will erect a large greenhouse.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

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Index to The Florists' Exchange, Vol. XXVIII

This index, covering the period from first issue in July to last in December, 1909, will be shortly ready for distribution. Subscribers desiring a copy of this index can obtain same by notifying us by post card; copies will be mailed to those who have already previously advised us to that effect.

The Florists' Exchange Design Book

Orders on hand will be mailed out February 5th.

The new edition of the Design Book to be issued Feb. 5 will be found a decided improvement; it has been completely remodeled and now contains 80 pages, covering a multiplicity of designs. It will be freely admitted the most valuable compendium of its character ever offered to the trade, as well as the cheapest. It is sold only in connection with a subscription for this paper; The Florists' Exchange two years and one copy of the Design Book, new or renewal subscription, for $2.50.

The American Carnation Society

Registrations

The following new Carnations have been registered by Geo. E. Buxton, Nashua, N. H.

Bon Ami: Queen×Lady Bountiful; pure white; size 3 to 3½ inches; strong open growth; stem very stiff, 24 to 30 inches long; early and continuous bloomer, seldom splits.

Granite State: Queen×Lady Bountiful; pure white; size 3 to 3½ inches; strong upright growth with no surplus grass; stem 30 to 36 inches; seldom bursts; free bloomer.

A. F. J. BAUR, Sec.

S. A. F. and O. H.

Change in Registration

S. Cockburn & Sons of Woodlawn, N. Y., make application to have the name of their Chrysanthemum, previously registered as Dr. Frederick A. Cook, changed to Mrs. Jane Cochran. Public notice is hereby given of the application and unless objections to the change are received within 20 days from publication of this notice the change will be made.

H. B. DORNER, Secretary.

January 20, 1910.

Obituary

John J. Kuratle

After suffering a year with illness, as the result of a cancer, John J. Kuratle, aged 51 years, died at his home, No. 1613 Franklin st., Wilmington, Del., on Jan. 14. Mr. Kuratle was a well-known florist in this section; he is survived by his wife and three children.

George Milne

George Milne, formerly a well-known florist of Marlboro, Mass., died two weeks ago in the town of Winchester.

John R. Hamilton

John R. Hamilton, 83 years of age, died of congestion of the lungs on the morning of Jan. 19 at the residence of his son, Chas. Hamilton, 1104 Cherokee road, Louisville, Ky. Mr. Hamilton was in the seed business on Second st., between Main and Market.

FRITZ BAHR'S NOTES ON THE EXHIBITION

By Special Wire to The Florists' Exchange

Pittsburgh, Pa., Jan. 26, 1910.

Never before has there been a finer lot of Carnations staged than at this convention; with hardly one exception every vase shown was worthy of a prize. Pittsburgh has, indeed, proved to be an ideal place to meet and the boys here have left nothing undone to make the convention a complete success in every respect. While the hall the flowers were staged in was not as large as the one in Indianapolis, there were not as many exhibits as last year and so there was really room for all.

In quality this show has set a record which will long be remembered. The varieties which captured the medals should certainly be proof enough for any one that we are making great progress.

Among the many which are worthy of mention, seedling No. 1400 E, which will be sent out next year, under the name of President Valentine, is in my estimation the most beautiful Carnation ever seen. Let us hope it will make good. Its color is an exquisite shell pink, just a little different from all the others in that class, and of perfect form and habit. Hoosier Lad captured the Gold Medal; another child of the great Dorner. What a flower for size, color and form! White House has the size of a Chrysanthemum; it won the bronze medal; it is a beautiful glistening white; the only drawback is its name.

Dorothy Gordon showed up splendidly and always had a lot of admirers around her; it certainly looks like an improved Rose Pink Enchantress. Alma Ward is a great white and no doubt will be grown largely; the flowers were of perfect form and uniform in size, in fact more so than White House. Mrs. C. W. Ward is a good companion to Alma Ward, a beautiful pink large flower. Bright Spot, Nic Zweifel's seedling, looks to be a bread and butter variety, and I predict a great future for it. While not as large as some of the others it proved a winner in the deep pink class.

Admiration also made a fine showing; it looks like a good thing. Mrs. Walter W. Coles is a beautiful dark crimson and took a blue ribbon, closely followed by Sultana from the Wanoka greenhouses. Seedling No. 40, from F. R. Pierson Co., is a fine pink, worth a trial.

What a wonderful variety Beacon really is was shown by a magnificent vase exhibited by the Cottage Gardens. Sangamo, shown by A. C. Brown, is a fine flower on a perfect stem; so is Harvard for a dark crimson of large size, grown by J. D. Cockcroft. Washington, the Lawson colored sport of Enchantress of Mr. Eichholz, and grown by the Chicago Carnation Co., is indeed a valuable addition to the Enchantress family and, while this may not prove a winner on the exhibition table, it will be welcomed by many growers.

Wanoka, Gov. Deneen, Alvina and O. P. Bassett proved four mighty fine vases at one end of the hall. In the classes of 100 dark pink, among which was a splendid vase of Mrs. Thos. Harvey, were to be seen the finest lot of flowers ever shown. Shasta has about as perfect color as could be imagined and made a fine showing and so with Mary Tolman as a flesh pink.

Among others which particularly attracted my attention, I might mention Annie May, Toreador, Rainbow, Afterglow and Princess Charming; ten splendid vases of standard varieties, grown by the Pittsburgh Cut Flower Company, as well as some excellent stock from the Lamborn Floral Co., Alliance, Ohio, which included as fine a vase of Lawson as one would care to see; no doubt there were others among the many vases which I overlooked.

A New Gladiolus

At the flower show, July 26, 1909, at Haarlem, there was, among other important exhibits, a new Gladiolus which attracted great attention. It was shown by Mr. P. Vos Mz., a florist of Sassenheim, and was called Lemoinei "Pink Beauty." This Gladiolus is, without doubt, an acquisition of great importance, for when planted in the beginning of Spring, it has stalks about one metre in length as early as the middle of June. The color of this flower is a livid, deep pink, with a dark purple velvet spot. The plant was grown from seed some years ago by Mr. C. Van Tol of Katwijk. It flowers considerably earlier than the sorts Lemoine and Gandavensis. Mr. Vos, who is one of the largest exporters of cut flowers in Holland, became owner of the lot for a good round sum. It is generally agreed here and elsewhere, that this is a sort having a great future. When there are few flowers available, when the need is most felt for them, this Gladiolus is in full flower. Next year this novelty will be put on the market by Mr. Vos.

THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

Dianthus Reviews the Carnations

As Seen at the Exhibition of the American Carnation Society at Pittsburgh, Pa.

By Special Wire to The Florists' Exchange

Pittsburgh, Pa., Jan. 27, 1910.

The judging of a Carnation from its appearance in the exhibition hall is rather a difficult matter. Some of the most promising varieties on the exhibition table have turned out to be disappointments when planted and treated as commercial varieties, but there are certain points which may be taken into consideration when studying a vase of blooms only, and if the necessary qualities are found then there is some reason at least for classing them as varieties of merit. Some of the qualifications which are necessary to every successful variety may be looked into and, if found satisfactory, we have some encouragement toward giving them a trial.

The exhibition in Pittsburgh, on the whole, has been very successful. The varieties from the different parts of the country have come through in good condition, and there seems to be an improvement as regards the keeping qualities of the various sorts. The entries in the class for the gold medal were many and the vases shown were of a special good quality. The judging in this class must have been difficult for the judges, as one and all of the entries showed excellent blooms. While it is not possible to give satisfaction to everyone entering, it must be said that the judges have done as well as might be expected and the awards throughout have shown careful and conscientious work.

A noticeable feature of the exhibition was the absence of our favorite variety Enchantress, the varieties May Day and Pink Delight crowding out the first named variety. There were also several novelties shown of very high-class which helped to rob Enchantress of the honors so often won in the past.

No. 1400 E is an exceptionally handsome variety which, we understand, Mr. Witterstaetter has named J. A. Valentine. It has excellent form, size and stem. The calyx seems to be good and, at the present writing, we would judge that the flowers were good keepers. The color is a light soft pink, similar to Pink Delight, with less of the salmon; it is possibly a trifle deeper in shade than the aforementioned variety. As a vase of blooms on the exhibition table it is truly handsome.

No. 40, shown by F. R. Pierson Co., is also very beautiful. It is somewhat darker than Winsor, bordering on the Rose Pink Enchantress shade; the form of bloom is very even, well built up in the center, and holds a soft color evenly. It seems to be of the Lawson habit, with a medium stem, possibly longer than either Lawson or Winsor.

Scarlet Glow, as it appeared in the hall, was the finest in this color. To best describe it, it might be said that this is a White Perfection with a clear, scarlet color. The stem is good and, in fact, resembles White Perfection in nearly every way. This is one of Dorner's varieties, and we hope it will prove as valuable as the majority of his introductions.

The variety Admiration was received well by Carnation men in general. The color is a soft pink of a satiny finish, between Winsor and May Day. The bloom is large and of excellent form; while the stem is not as long as some of the extra long-stemmed varieties, it is better than any of the Lawson class and is stiff and straight; the calyx seems to be perfect. A large vase of this sort showed up very well and it gives every indication of being a good commercial sort as it is claimed to be a free bloomer of very good habit.

Dorothy Gordon was shown in its usual good form and is well worthy the consideration of every buyer of novelties. The keeping qualities are good, and in size, form and color it is up to expectations. Dorothy Gordon has been described by many as an improved Rose Pink Enchantress and, although it resembles this variety very much, it may be honestly called an improvement.

Bright Spot has good form and stem; it is of medium size and the color is of a light Lawson shade; the form is even and quite pleasing. If this is a productive variety it might pay as a commercial sort.

As usual, Mrs. C. W. Ward made a good impression. It was staged in elegant shape and demonstrated again that it was a fancy sort in every way. There is no doubt that this variety will bring a good price in the market.

Alma Ward was easily the most handsome white in the hall; it is doubtful if this sort can be beaten on the exhibition table. Stem and form are perfect and, while the variety White House may have been somewhat larger, it did not have so fine a finish. If this sort can be made to produce freely it should make good, but this is a question which will have to be demonstrated at a later date.

Mrs. Thos. Harvey, also shown by the Cottage Gardens Company, was very fine in all points, excepting color, which is a trifle heavy, it being a deep pink with a tendency toward blue.

White House, staged by Dailledouze Bros., is a mammoth bloom of clear color and rugged form; the finish of the flower is not quite as perfect as might be desired but its great size makes it an attraction.

Blooms of Sangamo were larger than generally shown, stem was good, but the color was somewhat uneven. It is likely that this was caused by poor packing of the variety, and it would not be fair to condemn this sort as it has many qualities to command it. It is very free, has excellent stem and does not burst the calyx under the most trying conditions.

Superba did not show up well as regards color; the blooms shown in Indianapolis last year were superior. The form and size is good and stem excellent.

Greenwood is a very large bloom, but it does not have the form and color necessary to a successful commercial sort.

Hoosier Lad has everything to commend it as regards size and stem. The form is rugged and of a pleasing finish, but the color is not up to that of Scarlet Glow. One point which detracts from the general appearance of this variety is that the pistils show very plainly.

Annie May is similar to May Day in color, of medium size and with good stem; if blooming qualities and growth prove to be up to the standard this should make a good variety.

Mary Tolman is similar to Pink Delight, a trifle deeper in color, possibly somewhat larger, with good stem and form. It is a very pleasing variety as staged at this exhibition.

Norwood, shown by Robert Craig Co., should be classed as a commercial sort. It is pure white of very good form, and is of medium size. It is claimed to be very free and is called a non-bursting variety, it having made an exceptionally fine record for the past two seasons.

Mrs. Beckwith is another commercial sort with much to commend it as regards form, color and stem; the size is medium, but blooming qualities are said to be excellent.

Niagara is a pure white, also of medium size, good form and very fragrant. This is claimed to be a good grower and those who have seen it at the E. G. Hill houses, in Richmond, consider it valuable as a commercial sort.

Conquest must be seen to be appreciated; in color it is a fancy of two shades of pink; a light background with a splash of deeper pink overlaid. Judging by the opinion of some of the uptodate retailers it may be prophesied that this will fill the place of the old favorite Prosperity, although it should be said in this connection that Conquest is a handsomer bloom. The color is lively and clear; form is very good and while the stem is not up to that of Prosperity in length it is sufficiently long for all purposes and strong enough.

Red Prince was outclassed by the other scarlets; the color not being up to requirements.

No. 11,004 A, Sultana and Mrs. W. W. Coles, of Kokomo, Ind., are all crimson sorts, but there was not one which came up to the requirements in color. A crimson of any value must have a lively shade and, while the market is so critical in the way of these dark varieties, any one which shows the slightest trace of black edges or deep shadings at the base of the petals cannot be considered an improvement over existing varieties.

No. 42-06 might be termed an improved Pink Delight; it resembles Pink Delight in every way excepting size and color; there is an improvement in size and the color shows less of a salmon with a somewhat deeper and softer pink. This sort seems to be especially good and will bear watching. It is one of Dorner's seedlings and was very well thought of. It is hoped that this variety will be placed on the market next year.

J. Whitcomb Riley was not shown in as good form as last year in Indianapolis. This is a true yellow, with no splashings of pink or red, but it is a question if it would not be improved by slight markings of the colors as this would help to set out the yellow. This variety is deserving of a trial, however, as a limited number of yellows might be grown profitably, all other points being equal.

There was an excellent showing of Shasta, the blooms were large, with the best of form and finish and, judging from the blooms only, there is every reason for a commercial grower to take a liking to this sort. No fault can be found with stem, fragrance or any other point which can be judged on the exhibition table.

Pink Delight and May Day were both shown well and in quantity.

Mrs. J. C. Vaughan and Georgia were shown, but the former was not up to the standard, while the latter may only be called fair. The two standards, White Perfection and White Enchantress were the leaders in their respective classes. It should be mentioned here that Messrs. Dorner & Son showed a white (68-06), which is called an improved White Perfection, the special point in its favor being that it does not burst the calyx. For those growers who find trouble with White Perfection in this respect, this will be interesting.

Winona and Winsor were shown well, but there were less Winsor than usual.

Afterglow, Lawson and Alvina were shown well, and it was interesting to notice how good some of the growers still do the old favorite Lawson. While Alvina is of medium size with short stem, it is a very pretty bloom.

There were full entries of Beacon, O. P. Bassett and Victory, Beacon leading as to number, but they were all very fine and especially two vases of O. P. Bassett.

It may be said that this exhibition included a large number of promising varieties of all colors. This is especially true in the light pink classes of the shade of Pink Delight and May Day, and also of the Winsor shade or a trifle darker. Dorothy Gordon, Admiration and No. 40 were especially good in the latter class, while No. 1400 E (J. A. Valentine), No. 42-06 and Mary Tolman looked promising in the former.

National Sweet Pea Society of America

OFFICERS:

Harry Turner, President — Harry A. Bunyard, Sec.
W. H. Waite, Vice-Pres. — Wm. Duckham, Treas.

Executive Committee: W. Atlee Burpee, Chairman; A. C. Zvolanek, Wm. Sim.

Nomenclature and Trials Committee: Prof. John Craig, Chairman; Arthur T. Boddington, Maurice Fuld, William Sim.

Trial Grounds: Cornell University, Ithaca, N. Y.

Secretary Harry A. Bunyard has issued a preliminary list of prizes offered for the annual exhibition of this Society, which will be held some time in July, date and place to be announced later. The list is as follows:

H. L. Blind

Treasurer Pittsburgh Florists' Club and Chairman of Entertainment Committee A. C. S.

PRESIDENT HARRY TURNER'S CUP.—Value $25, for the best 25 vases of Sweet Peas.

THE W. ATLEE BURPEE CUP.—For the finest and largest collection of Sweet Peas.

THE W. ATLEE BURPEE PRIZE.—For the best vase of waved or Spencer type Sweet Peas introduced 1910. 1st prize, $5; 2d prize, $3; 3d prize, $2.

W. W. RAWSON & CO.'S PRIZES.—Rawson's silver gilt medal for a vase of Sweet Peas never before exhibited or disseminated, of American origin. Rawson's silver medal, for the best 25 vases Spencer or Unwin types exclusively, open to the trade only. Rawson's silver medals, for the best 20 spikes of Sweet Peas, "Rawson's Snowflake." Rawson's bronze medal, for the best three vases, comprising white, lavender and pink, open to amateurs. Rawson's silver medal, for the most successful exhibitor among the amateur classes.

WATKINS & SIMPSON PRIZE.—Value $10, for the best vase of Nora Unwin, Frank Dolby, Mrs. A. Watkins, A. J. Cook and E. J. Castle.

ARTHUR T. BODDINGTON PRIZE.—A challenge cup, value $50; $25 to the winner of the cup; 2d prize, $15; 3d prize, $10; for a collection of Sweet Peas, 25 varieties.

HENRY A. DREER PRIZE.—For the best 21 vases of Sweet Peas, the 21 "Incomparable" standard varieties as enumerated in Dreer's Garden Book for 1910. 1st prize, $20; 2d prize, $5.

JEROME B. RICE SEED CO.'S PRIZE.—For the best vase of white Sweet Peas. 1st prize, $5; 2d prize, $3.00; 3d prize, $2.

Among the Growers

A Day at a World Famous Nursery

Berlin, Md., a Mecca each Year for Thousands of Tree Lovers and Tree Growers

One of the most interesting visits the tree lover can make is to journey to Berlin, Md., the home of the world renowned Harrison's Nurseries. This point has for years been sought by interested men from every part of the United States and foreign countries but, in recent seasons, the number of visitors has grown steadily larger.

This famous tree growing establishment, now occupying over two thousand acres adjacent to the town of Berlin, is truly a sight worth seeing, and no visitor can fail to be impressed with the extent and thoroughness of the work here as conducted under the efficient management of Mr. Orlando Harrison.

This progressive firm carries on its operations upon a scale that makes the uninitiated occasionally gasp with surprise—and even the grower who is accustomed to seeing an entire nursery occupy one hundred to five hundred acres, is likely to "sit up and take notice" at sight of entire farms devoted to a single variety of fruit or ornamental trees, or plants.

As an example, the visitor is shown a section comprisinfi 60 acres on which Strawberry plants are produced exclusively. In another place he will be shown miles of rows of California Privet, and so on—each block or section carefully and thoroughly worked, and nothing neglected in the excellent system that prevails at every turn.

Considerable of historic interest attaches to the Harrison establishment. On one of the farms stands a rude structure in which Commodore Stephen Decatur was born, more than a century ago. Only a few miles away is Ocean City, Maryland's attractive shore resort, which draws many thousands of visitors every Summer.

Service over the lines of the Pennsylvania R. R. from Philadelphia and Baltimore make Berlin easily reached, and a trip thither will certainly prove most interesting as well as thoroughly enjoyable—for the courtesy that is extended to its guests by Harrison's Nurseries is well remembered by those who have been there; suffice it to say that, in this delightful Peninsular town, the cordial hospitality for which the Southland is noted is not lacking in the remotest degree.

Herman Schoelzel, New Durham, N. J.

The establishment of Herman Schoelzel, the place of origination of the now well-known Nephrolepis Scholzeli, is a very interesting one, and, as a visitor may expect, the Fern as grown here is well nigh perfect. That its popularity is assured is shown by the amount of space devoted to the securing of young stock, and many hundreds of plants have recently been shipped. Its shipping qualities are extolled by all who handle it, and as a house Fern it has proved to be second to none. Besides this and other varieties of Ferns, Mr. Schoelzel handles many hundreds of Azaleas during the season, and for the coming Easter expects to be able to fill many large orders. The plants are in the best possible condition, and among them can be found the usual standard varieties such as Niobe, Vervæneana, Hexe, Simon Mardner, Van der Cruyssen, etc.

Some excellent Kentias in various sizes are on hand, of good color and very clean.

Easter Lilies to the number of about 8000 are being pushed along and with an immense stock of various sized Genistas, Aspidistras, and other florists products keep the help busy from week to week, in order to maintain the reputation Mr. Schoelzel has for producing well-grown, clean stock.

Changes in the American Nursery Company

It was stated in our issue of Jan. 1, 1910, that Mr. Fred'k W. Kelsey had sold his interest in the above named company and, later on in the said article, it was stated that the business established by him in 1875 will hereafter be known and conducted as the F. W. Kelsey Nursery Company. We find that there was error in this statement, and that the business established by Mr. Kelsey in 1875 was turned over to the American Nursery Company, and that the F. W. Kelsey Nursery Company, a New York corporation of which Fred'k W. Kelsey is president, is now conducting a similar business at 150 Broadway, New York City. We regret this error and print this statement to remedy the same.

COLUMBUS, O.—At the annual convention of the Ohio Nurserymen's Association, J. W. McNary of Dayton was chosen president of the organization for the third time.

UPPER FALLS, MD.—A certificate of incorporation of the J. W. Brandt Nursery Co. has been filed for record. The capital stock of $5000 is divided into 50 shares at $100 each, and the incorporators are John W. Brandt, Henry J. Raphel and Thomas S. Nichols.

NINETEENTH ANNUAL MEETING OF THE AMERICAN CARNATION SOCIETY, PITTSBURGH, PA., JANUARY 26 AND 27, 1910

The convention of the American Carnation Society opened at the Fort Pitt Hotel, Pittsburgh, Pa., on Wednesday, Jan. 26. The attendance was very large; in fact, it was the banner convention of the Society. The exhibition was held in the big English dining room of the hotel, and the stagings were both numerous and grand. Never before were so many and creditable new varieties brought together under one roof. The judges were W. N. Rudd, Wm. Nicholson, Richard Witterstaetter, Eugene Dailledouze, John Boone and Edward Stroud, and the task of judging occupied these gentlemen until well into the evening.

While, with the great number of stagings, one could hardly forecast the gold medal variety, the award of this premier recognition to Hoosier Lad, staged by F. Dorner & Sons Co., was heartily concurred in by all who saw it.

In the classes for pinks, the competition was very keen and the decisions of the judges were close, indeed.

Wednesday Evening Session

The first business session opened at 7.30 on Wednesday evening with an address of welcome by Prof. John A. Brashear, which was responded to by Robt. Craig in his usual genial style.

President Albert M. Herr then read his address as follows:

President's Address

Your president extends greeting and a welcome to our sessions; we hope to have these sessions interesting enough to have you at each one of them.

This Society was organized in Philadelphia, and the first regular meeting held in New York, but it always seemed to me that it took the second annual meeting in this city to get us thoroughly acquainted with each other, and Pittsburgh will always be a bright spot in the memory of those of us who were fortunate enough to have attended that meeting. Those of us who are here today will no doubt long remember the 19th annual meeting and our Pittsburgh welcome.

Getting acquainted is one of the chief benefits to be derived from these gatherings. I know of several instances where men have attended our meetings for the first time and gone home having met but two or three members. In one instance, on the train going home, a new member told me that the only person who spoke to him during the whole convention was the secretary. In cases of this kind the individual himself is largely to blame, but we should, during the few days we are together, be a more universal brotherhood, and have at least a "howdy" for each and every visitor. I would suggest a permanent committee of introduction and information, to whom strangers can apply for assistance in getting acquainted.

Can we make our meetings more interesting and profitable to ourselves and our flower than they now are? We have told and retold the story of production, the proper houses, etc.; there are, of course, new difficulties and advanced methods to discuss along these lines each year, but it seems to your president that we could and should devote at least one session to the improvement of our business methods; that they have improved no one can deny, but the improvement today over that of our meeting here seventeen years ago is very little more than what has been forced upon us by the general upward trend of all business. Other industries do not wait to have improvement forced upon them; they are continually searching for it, grasping and utilizing it.

We should know how much money each square foot of ground surface in our houses should bring us to meet our expenses, labor, heating, operation, wear and tear on the place.

We should have a small but conspicuous tag attached to each bunch of flowers we send into market and let this tag follow them into the retail shop, so that in the course of time buyers would learn to ask for it and demand it as a guarantee of quality. This tag could be marked with the letters A. C. S. or some other special mark, and the whole be copyrighted, for use only by paid-up members of this Society, and all infringements prosecuted. In addition to the special mark could be added the grower's name and the date the flowers were cut, this to be left to the discretion of each user. Poorly grown flowers, and over-aged flowers, by this method would soon be left in the race. To succeed and properly advance our business our flowers should give pleasure and satisfaction to the user and this suggestion is offered as a means to that end.

Can we improve our methods of selling Carnations? Mr. Fox gave a talk in Philadelphia, from the retailer's point of view, on prices for special days of demand. We all know of instances when the retail market price of Carnations was from $1 to $1.50 per dozen and the wholesale price was $1 to $1.25 per 100, less the 15% commission to the middleman; this proportion between the grower and the retailer is not a good business proportion, and if it were not for the advanced prices of special days the grower would be in a bad way. Adjustment will have to come some day and it should come through this Society.

Is there overproduction of Carnation blooms? I was told by a Pittsburgh man that if Roses had been plenty for Christmas, Carnations would have gone begging. All hail to the Rose! But Carnations have their devotees as well, and if given to them in proper shape and form I believe the day of overproduction is far in the future, providing the retailer, the grower and the middleman can get together and work toward a mutual end. Let us put on our thinking caps and see what we can do toward this. At our meeting in this city before, we had a paper by Thomas Cartledge, who stood at the head of the Philadelphia retail trade. He reviewed the various Carnations then grown by name, giving his retail experience with each as per this example: "Grace Wilder has been our leading pink, only because we could get it in quantity. Aurora has sold equally as well when we could get it, although it sometimes shows a slaty, ashy purple tint when a little old." We want to grow "best sellers"; a review of this sort each season would help us find them out.

Our exhibitions will admit of some improvement as exhibitions to the public, but as an educator to the grower the lines on which we are working are as nearly right as we can hope to get them; as a guide to the buying of new sorts each individual will have to work that out for himself, with the new flowers, for comparison with older sorts, in front of him.

There is one point I would like to see worked out and that is to have a report from those who buy novelties the first year sent in to the secretary on Dec. 1 of the following Winter, giving their honest opinions of the variety from the buyer's point of view. Let the secretary publish these reports in pamphlet form and send them to applying members only. The buying of novelties is an experiment, from a profit point of view, no matter how much we may try to eliminate it, but a pamphlet of this sort would be a great help to buyers of new sorts in their second year. If necessary, this pamphlet could also be copyrighted. You will note that I am trying to make membership in this Society a necessity to all live Carnation growers.

We need also a permanent committee of finance to devise ways and means for the procuring of the funds necessary to the welfare of this Society.

In closing I want to compliment the Society on its choice of a secretary; a better one would be hard to find; his work has been especially arduous for this first year, but it certainly has been faithfully performed. Our secretary should have at least $250 per year, and the work would be cheaply done at that.

Let us all work toward getting this Society to the position it should hold, and the prosperity of it will bring prosperity to all its members.

The secretary's report was then read and was succeeded by that of Treasurer Fred. Dorner as follows:

Treasurer's Report, Jan. 24, 1910

EXPENDITURES

Paid by orders on Treasurer	$826.48
Balance cash on hand	283.68
	$1,110.16

RECEIPTS

Cash from Secretary	$759.30
Cash, interest from Permanent Fund	123.28
Balance cash on hand, Jan. 25, 1909	227.58
	$1,110.16

PERMANENT FUND

Reported January 25, 1909	$2,375.31
One life membership	50.00
	$2,425.31

Considerable discussion took place upon the subject of next place of meeting, but no choice was made. It rests between Boston and Milwaukee and a decision is to be made on Thursday. If Boston is decided upon, the convention will probably be held in conjunction with the National Flower Show.

The judges presented their report which was, on motion, accepted.

W. T. Bell then read his paper, which will be found in another column of this issue.

A smoker was given by the Pittsburgh Florists' Club, on Wednesday evening, in the main dining room of the Fort Pitt Hotel and the large room was comfortably filled by the guests. An excellent program of vocal and instrumental music was provided and all enjoyed themselves immensely.

Many visited the plant of the H. J. Heinz Co. on Wednesday afternoon, the famed home of the "57 varieties." They were hospitably entertained and souvenirs were distributed.

On the evening of the first day a ladies' theater party was given in honor of the visiting ladies of members of the A. C. S. Taxicabs conveyed the guests to the theater, leaving the Fort Pitt Hotel at 7.45 p.m.

On the evening of the first day, John Reimels of Woodhaven, N. Y., was prostrated with an attack of heart trouble and was taken to a hospital.

Judges' Awards

Section A.—100 Blooms

SEEDLINGS OR STANDARD SORTS

White.—1, Cottage Gardens Co., Queens, N. Y., with Alma Ward. 2, Stafford Floral Co., with White Perfection.

Flesh Pink, being those shades of a Flesh or Salmon color.—1, F. Dorner & Sons Co., Lafayette, Ind., with Seedling No. 42. 2, Same firm with Pink Delight.

Light Pink, being those lighter shades of Pink verging on the true Pink, and lighter than Mrs. Lawson. 1, Cottage Gardens Co., with Mrs. C. W. Ward. 2, Joseph Heacock, Wyncote, Pa., with Dorothy Gordon.

Dark Pink, being as dark or darker than Lawson, including all so-called cerise not dark enough to be called Red. 1, Nic Zweifel, North Milwaukee, Wis., with Bright Spot. 2, E. G. Hill Co., Richmond, Ind., with Afterglow.

Red or Scarlet, to cover all shades generally included in these colors. 1, Cottage Gardens Co., with Beacon. 2, F. Dorner & Sons Co., with Scarlet Glow.

Crimson, to cover those shades known as Crimson and Maroon.— 2, W. W. Coles, Kokomo, Ind., with Mrs. Walter W. Coles.

Any other color, to include any color decidedly distinct from other colors specified.—1, H. Weber & Sons Co., Oakland, Md., with Toreador. 2, Chicago Carnation Co., Joliet, Ill., with Conquest.

Section B.—50 Blooms

OPEN TO ALL VARIETIES DISSEMINATED PRIOR TO JULY 1909

White Enchantress.—1, A. F. Lorch, Allison Park, Pa. 2, A. C. Brown, Springfield, Ill.

White Perfection.—1, Chicago Carnation Co. 2, Wagner Floral Co., Columbia City, Ind.

Any other White.—1, A. F. Lorch, with White Lawson. 2, W. N. Rudd, Morgan Park, Ill., with Mrs. J. C. Vaughan.

Enchantress.—1, Finleyville Floral Co., Finleyville, Pa. 2, Wagner Floral Co.

Any other Flesh Pink.—1, F. Dorner & Sons Co., with Pink Delight.

Rose Pink Enchantress.—1, F. Dorner & Sons Co.

Winsor.—1, A. F. Lorch.

Winona.—1, Finleyville Floral Co. 2, E. G. Hill Co.

Mrs. Thos. W. Lawson.—1, A. F. Lorch.

Afterglow—1, E. G. Hill Co. 2, A. C. Brown.

Any other Dark Pink.—1, Chicago Carnation Co., with Aristocrat.

Victory.—1, F. R. Pierson Co., Tarrytown, N. Y.

Beacon.—1, Chicago Carnation Co. 2, F. R. Pierson Co.

Any other Scarlet.—1, Chicago Carnation Co., with Andrew Carnegie.

Any other Crimson.—1, J. D. Cockcroft, Northport, L. I., with Harvard.

Section C.—Disseminators' Prizes

FOR VARIETIES DISSEMINATED THE PREVIOUS SEASON.—50 BLOOMS

Pink Delight. Premiums offered by F. Dorner & Sons Co., Lafayette, Ind.—1, Chicago Carnation Co. 2, E. G. Hill Co.

Mrs. Chas. Knopf. Premiums offered by Chas. Knopf Floral Co., Richmond, Ind.—1, Chicago Carnation Co.

May Day. Premium offered by E. T. Grave, Richmond, Ind.—1, E. G. Hill Co. 2, W. Frank & Sons, Portland, Ind.

O. P. Bassett. Premiums offered by Bassett & Washburn, Chicago, Ill.—1, Chicago Carnation Co.

Wa-no-ka. Premiums offered by Wa-no-ka Greenhouses, Barneveld, N. Y.—1, W. A. Rowlands, Utica, N. Y.

Apple Blossom. Premiums offered by Wa-no-ka Greenhouses, Barneveld, N. Y.—1, W. A. Rowlands, Utica, N. Y.

Georgia. Premiums offered by Jas. D. Cockcroft, Northport, L. I., N. Y.—1, Walker Thomas, Stony Brook, L. I.

Gov. Deneen. Premiums offered by A. C. Brown, Springfield, Ill.—1, Chicago Carnation Co.

Alvina. Premiums offered by Hy. Eichholz, Waynesboro, Pa.—1, Chicago Carnation Co.

Section D.—The American Carnation Society Medals

FOR BEST VASE OF 100 BLOOMS, ANY VARIETY, ANY COLOR

The gold medal was captured by F. Dorner & Sons Co., with Hoosier Lad.

The silver medal was awarded to Richard Witterstaetter with Seedling No. 1400 E, (J. A. Valentine).

The bronze medal was taken by Dailledouze Bros., with White House.

Section E.—Special Medals of the Society of American Florists

For the best vase of 50 blooms of a Carnation not yet disseminated. Must score not less than 88 points, and be of American origin. The Cottage Gardens Co., was awarded the silver medal for Mrs. C. W. Ward.

For the second best vase of 50 blooms of a Carnation not yet disseminated. Must score not less than 86 points, and be of American origin. The Cottage Gardens Co. was awarded the bronze medal for Alma Ward.

Sweepstake Prize

This special prize, which was offered at Pittsburgh, Jan. 26, was captured by Cottage Gardens Co., with Alma Ward.

Section F.—Certificates of Merit Awarded

To receive a Certificate of Merit a variety must score 85 or more points. Not less than 50 blooms must be shown and the variety must have been bloomed at least three years.

Certificates of Merit were awarded R. Witterstaetter for Seedling No. 1400 E, (J. A. Valentine); also for Seedling No. 1407.

W. W. Coles was also awarded a Certificate of Merit for his variety Mrs. Walter W. Coles.

The Wa-no-ka Greenhouses, Barneveld, N. Y., were awarded a Certificate of Merit for Sultana.

Section G.—Preliminary Certificates Awarded

Open to two year old seedlings. Twelve blooms must be shown. The variety must score not less than 85 points.

Henry Eichholz, Waynesboro, Pa., was awarded a Certificate of Merit for Princess Charming.

Certificates of Merit

The Pittsburgh Cut Flower Co. was awarded a Certificate of Merit for several vases of standard varieties, and a similar award was made to the Lamborn Floral Co., Alliance, O.

Honorable Mention

Baur & Smith, Indianapolis, Ind., showed two vases of Shasta for which they were awarded Honorable Mention.

J. A. Peterson, Cincinnati, was awarded Honorable Mention for a staging of his Begonia, Pride of Cincinnati.

A late addition to the exhibition was Carnation Wodenothe, staged by Frank E. Whitney of Fishkill-on-Hudson, N. Y. The judges scored it 90 points.

Thursday Morning Session

Thursday morning the proceedings opened with the presentation of the report of the Nomenclature Committee, which showed that the Society had registered 21 seedlings and two sports. The report was, on motion, received and filed. The secretary announced that the judges had awarded Princess Charming a new flesh pink, a preliminary certificate, and to Winter Cheer, a variety similar in habit to Alvina, a recommendation for pot culture. Both varieties were staged by H. Eichholz, Waynesboro, Pa. Mr. Charles L. Washburn then read his paper as follows:

The Carnation Society and the Rose Society Should Hold Joint Meetings

The question of the advisability of holding a joint convention of the American Carnation Society and the American Rose Society is best considered from a business standpoint. There are now held the Carnation Society meeting, the Rose Society meeting, the S. A. F. meeting, the various Chrysanthemum Society shows and the various club shows. The aim of these conventions is to do the most good to the greatest number of people in the trade, but by holding so many meetings we are dividing our energies into too many channels, which results in less attention by the trade to each meeting than would be the case if some of these meetings were combined in one. All are good, no doubt, but what is needed is a little more united work.

The importance of a convention of the combined societies would be such that the growers could not afford to overlook it. Men who, in the past have felt that the time taken up in attending so many minor meetings could not well be spared, would be glad to attend this one larger meeting. To those whose business necessitates their attendance at both meetings the matter of reduced expenses would be an important item; also, the general reduction of expenses to each Society by having the two share the expenses would be quite an item, while the same amount of business would be accomplished.

The Carnation and Rose men have similar objects in view when holding their meetings, and we certainly need a larger attendance at these conventions. This can only be obtained by increasing the membership of both Societies. In order to increase this membership, it is necessary to increase the knowledge regarding our business and products to be obtained by attending these meetings. We are in the business as a money making proposition and any knowledge which increases the earning capacity of our houses increases our profits. The advancement in new varieties, better methods of growing and better means of handling the flowers are all questions being constantly brought up at these conventions, so that a wider scope of investigation and a wider discussion of these questions would be obtained by a joint convention; also, thus producing more interest and increasing the good results to be obtained by the members of both Societies attending a joint convention.

There is such a broad field in this matter of new varieties of plants, new methods of constructions, and new everything almost, pertaining to our business that a joint convention would stimulate a larger exhibition of these new things. No one will question the added importance of an investigation and certificate when backed by the united action of both Societies.

The exhibition of flowers would, of course, be larger in a joint meeting and would be a greater matter of interest to the general public. This is a very important point, as the general public are the flower buyers and it is for them our product is produced. The holding of a convention is a very serious expense and inconvenience to those florists located in the city where the convention is held, and a joint meeting would reduce this to one city instead of two.

The field for united work, it can be seen, is so similar for both Associations, and the time for the exhibition of the flowers is best suited for Roses as well as for Carnations, so that a joint convention would be very desirable for both Societies.

The committee on the president's address reported favorably on the president's recommendations and, after considerable discussion, they were accepted with modifications.

The secretary's salary was, on motion of John Birnie, increased to $250. The question of exhibition entries was settled by a motion made by W. A. Manda, which was carried, that the Society adhere to the rules as now in force, excepting that the penalty for late comers be $2 instead of $1.

Eugene Dailledouze then spoke on the subject of Mr. Washburn's paper. He said: "This question has come up a number of times and I agree with all Mr. Washburn says. The stumbling block has been that we have tried out dates for our Carnation meetings and our present dates are best for us. We tried March once, greatly to our sorrow. The experience of the Rose people is that March is the best month for them, but our Carnation meeting must be held in January, or early in February. As to the two Societies combining I see no objection, but the Carnation meeting must be as I have said."

Boston the 1911 Convention City

The next place of meeting was then discussed. Nic Zweifel set forth the claims of Milwaukee. F. R. Pierson advocated Boston and that the meeting be held conjointly with that of the National Flower Show.

A lively discussion ensued and, finally, a ballot was taken which resulted in favor of Boston by 57 to 25. W. P. Craig, H. B. Dorner and J. A. Peterson were the tellers.

A resolution was then passed thanking the Milwaukee florists for their invitation and assuring them that their proposition for the following year would receive support.

The members of the Pittsburgh Florists' Club have proven themselves royal entertainers, and their hospitality will be long remembered. The Convention is a gaslight affair. Few of the visitors have left the hotel since their arrival and artificial light reigns supreme.

The Carnations staged in the exhibition hall on Thursday morning, were all practically in as good condition as when first staged.

Secretary Baur's Report

The former secretary, who is now our worthy president, turned over the Secretary's office to me in good condition on April 1st of last year. He had gotten out the annual report and finished up all the work connected with the last convention. Hence my report will not cover the whole year. Our membership roll now contains 394 names; of these 55 came in during the year 1909; against these we have 27 who are delinquent for 1908 and 1909 and will drop them from the roll, except those who may pay up at this meeting. We also have about 50 who owe for 1909, but no doubt many of these will pay up here. During the past year four of our members have been called away from this life. They are Geo. M. Kellogg of Mt. Pleasant, Mo.; Herbert Heller of Newcastle, Ind.; Wm. K. Harris of Philadelphia, Pa.; E. Sutermeister of Readville, Mass. No official notice was received by your secretary of any of these deaths.

The Board of Directors, at their meeting in Cincinnati last August, ordered the secretary to procure more vases and have cases made for storing and shipping the vases from place to place. These have been secured and it is hoped that our vases will be better preserved than could be done heretofore. We have also had made holders for securing name cards and entry cards to the flower vases. You will notice that these are so made as to permit the cards to be printed and read from both sides. It will be unnecessary for any one to handle the cards to read the name of the variety or the exhibitor. There will be less likelihood of confusion from getting the cards mixed in moving vases around.

The Premium List was gotten out early in December, as is customary, we were this year favored with a splendid lot of advertising amounting to $285; this will pay for all printing and stationery connected with this convention and will leave a net balance of some $150 to go into our treasury.

The greatest change in the List is the addition of the new section called "C," relating to the previous season's novelties. It took considerable correspondence to get this section started, but after it became clear to the disseminators they reported liberally and all, except two, have entered their varieties in this section. We hope that this arrangement will be a permanent one and that in the future it will become customary for disseminators to list their varieties in this section without having to be coaxed.

We have also divided the List into sections designated by letters of the alphabet, and numbered the classes in figures. In the judges' books we have adopted a system under which every entry has a different number, and it is impossible for any one to recognize the owner of an exhibit by the number on another exhibit. In order to help make this system work smoothly I will ask this meeting to adopt some rule to limit the time for making entries in the competitive classes.

The rules printed in the List, requiring the payment of $1 for each entry made after a certain date does not seem to answer the purpose fully. It has never been enforced strictly and, unless a rule can be enforced strictly, it cannot be made fair to everybody. We would suggest that one week before the convention opens the entries for competitive classes must be in the hands of the secretary. That will give him time to get everything into good shape before he leaves home and the greatest cause of errors will be eliminated. The secretary should not be burdened at the convention with work which can just as well be done a week before he leaves home.

In conclusion I wish to thank the members for the interest shown by their ready responses to letters from the secretary; the Vice-President and his local committee for the able manner in which they have handled the local preparations, and most of all to my predecessor, who is now our worthy president, for his kindly advice and guidance during the past nine months.

Officers Elected

President, FRED BURKI of Gibsonia, Pa.
Vice-President, ALLAN PEIRCE of Waltham, Mass.
Secretary, A. F. J. BAUR of Indianapolis, Ind.
Treasurer, FRED DORNER of Lafayette, Ind.

We regret to announce that the condition of John Reimels was quite serious on Thursday, pneumonia having set in.

Carnation Bon Ami

Originated by Geo. E. Buxton, Nashua, N. H. Described on page 127, issue of Jan. 22.

Carnation Admiration

The flower of this variety is of a beautiful shade of pink, somewhat lighter than Winona, and having a beautiful satin finish. The size of the flower is 3 to 3½ inches, of excellent form, well built up in the center, with an arrangement of petals admirable for a fancy commercial variety. In habit the plant is upright, with very little surplus grass, and every shoot making a flower. It is very free and comes into bloom early. The calyx is very tough and seldom bursts. The flowers have been found to keep well and make excellent shippers. The variety is introduced by the Chas. Knopf Floral Co., Richmond, Ind.

THE CARNATION

ITS HISTORY, VARIETIES, USES AND CULTURE.

A Paper read by W. T. Bell of Franklin, Pa., before the American Carnation Society, in convention at Pittsburgh, Pa., Jan. 26 and 27, 1910.

So many papers have been read and discussed at the various meetings of this Society that the essayist who can add anything new on the subject of Carnations will be almost as great a curiosity as a six-inch Carnation flower; but, as it has been found to be a good plan in our schools to require the pupils to review the lessons previously studied, so perhaps a general review of the subject that we have met to consider, may be of advantage to all present, and especially to those younger members of the Society who are modest enough to admit that they do not already know all there is about it.

Early History of the Carnation

The Carnation, or, to express the name in strictly botanical terms, Dianthus caryophyllus, is, according to Loudon, a native of southern Europe, and has been found growing naturally, in England. The generic name, Dianthus, is compounded of two Greek words, meaning the flower of the Gods, or the Deity; which has led certain writers to call it the Divine Flower, a name that might well be exchanged for one more simple and comprehensible. The specific name, caryophyllus, has reference to the clove-like fragrance of the flowers; while the common name, Carnation, has for its base the Latin word "carnis," meaning flesh, in allusion to the pink or flesh color of the flowers in their wild state.

There are many different species in the genus Dianthus, including the familiar Sweet William; but the one that most nearly resembles the Carnation in appearance is the Pink, with its several varieties.

Where it grows naturally, the Carnation has single flowers, about one inch in diameter, having but five petals; but variation, selection, and cultivation have so changed its character that flowers four inches in diameter are now produced, having a very great number of petals.

The ordinary garden Carnation is a hardy perennial that blooms but once a year; the florist's Carnation of today is undoubtedly the result of changes that have taken place in its habits, through selecting and cultivating the most promising plants produced by natural variation, until now it may be had in bloom during the entire year; but in the evolutionary operation it has lost a portion of its hardiness, probably, because of the higher temperature to which it has been subjected for generations, during the cold season of the year; although this loss could perhaps be regained by reversing the process that brought about the change and gradually hardening the plant until it could withstand the rigors of our severe Winters.

This change from Summer-blooming to perpetual-blooming is not confined to the Carnation; but has been accomplished in the case of other plants.

Chrysanthemums have been grown from seed that was saved from the ordinary seasonal-blooming kinds, that have developed into varieties that have been had in flower every month in the year, and the Rose is one of the most familiar examples of a plant that has been changed from an annual to a continuous bloomer through the treatment accorded to it under modern methods of culture.

The Carnation Then and Now

The Carnation flower today, and especially in this country, is the most popular flower produced by the florists, having overtaken and passed the old-time favorite, the Rose, in the race for popular favor, and instead of being referred to as the divine flower it might very truthfully be called the people's flower.

To become really popular, a flower must possess several of the following qualifications, the first of which is beauty, a somewhat indefinable and elusive quality. In addition, it should have a pleasant odor and be capable of being used in a variety of ways and for various purposes.

Its texture should be such that it will remain in fairly good condition for a reasonable length of time, and its successful cultivation should be so simple that it can be grown and sold profitably at such a price that the ordinary flower-user can afford to buy it freely. All these various requirements are possessed by the Carnation and, in addition, it may be procured at any time during the entire year.

Roses, Violets, Lilies of the Valley, Chrysanthemums and many other flowers will continue to have their admirers, and will always be in demand, when in season; but some of them are difficult to produce with profit and the most of them are more expensive, bulk for bulk, than are Carnations. Several years ago, at one of the conventions of the Society of American Florists, an essayist seemed to think that, in a few years, Orchids would become as plentiful and popular as Roses; but the prediction has not been and will not be verified, for two reasons; first, they are more difficult to cultivate and produce and, second, because of this difficulty their price will never become popular.

W. T. Bell
Essayist A. C. S. Convention

The development and improvement of the Carnation have taken place within a comparatively recent time, both as regards the size, color, and quality of its flowers and the number of desirable varieties. Thirty or forty years since, the florist was confined mainly to such kinds as Edwardsii, De Grauw, La Purité, Miss Jolliff and Astoria.

Buttercup, one of the best of the earlier yellows, although like most of the later kinds of that color, decidedly bizarre, came later, and was followed by Grace Wilder, Albertini, Mrs. Bradt and a host of other slowly improving kinds, until the list of aspirants for a place on the Carnation stage reached well up into the hundreds.

Daybreak, originated and disseminated by Simmons of Geneva, Ohio, was one of the best and most profitable Carnations of its day, which is now over, and was probably one of the progenitors of the fine variety Enchantress and other kinds having the Daybreak shade of pink. William Scott was another easily grown and useful sort, but it, too, is now eclipsed.

While the Carnation is not a native of this continent, certain writers speak of the varieties now in cultivation here, collectively, as the American Carnation; but a better term would be the American varieties of Carnations, as they nearly all originated here.

At the Royal show, held at Newcastle-on-Tyne, England, in 1908, and practically open to all exhibitors, many vases of British Carnations were shown, having, in the main, stiff stems, and large flowers; but the flowers were nearly all of coarse texture, and the most of them had split calyces; decidedly the finest Carnations in the great show were those of American origin.

Its Value in Decorations

Carnation flowers may be appropriately used on many occasions and in a variety of ways; from a single flower on a coat lapel to the most elaborate floral design or other form of decoration.

They are welcomed in the sick room, or the hospital ward, are suitable for the placements or the centerpiece for the dinner table, and clusters or sprays of the flowers, when arranged with taste and skill in combination with a sufficient amount of suitable greenery, are much asked for and appreciated for funeral occasions; while no flower can be used to better advantage in a pleasing arrangement to place beside the door of the house where death has entered in lieu of the somber crape; and, because of their excellent lasting quality, they are one of the very best flowers to use for sending a long distance, or when they are required to be kept for a considerable time before being used.

If it were not for being so wasteful many of the arrangements of Carnation flowers would be improved in appearance if Carnation buds and foliage were combined with the flowers.

For the uses enumerated, the Carnation flowers should be of good quality; to produce such, the propagation and culture of the plants, and the gathering and care of the flowers after being grown, must be carefully and properly attended to, necessitating unflagging attention on the part of the grower. This is not alone the case with the Carnation plants and flowers, but applies as well to all

Carnation Dorothy Gordon

A trip to the establishment of Jos. Heacock Co., where the Carnation Dorothy Gordon is grown, proves that the statements made by the company in its advertisements, etc., as carried by the trade press, are not in the least exaggerated. The free blooming qualities of the variety are apparent even to the most uninterested, and its record for price in the Philadelphia market is greater than that received for any other variety. The plants appear very healthy, and respond readily to extra care, a fact which should make it popular with the Carnation enthusiast. The flowers are of an even color, slightly darker than Rose-pink Enchantress, very full, borne on long, stiff stems, and averaging fully three inches across. As to its keeping qualities, any Philadelpha retailer who has handled it will speak in its favor. The reasonable cost of well rooted, healthy cuttings, will no doubt result in this variety becoming as popular as any other on the market today. A vase of these flowers was shown at the Pittsburgh convention.

the stock in the florist's domain, a fact which all plantsmen do not seem to appreciate.

If eternal vigilance is the price of liberty, it is no less the price of good plants and flowers; the difference in the success of various florists may generally be ascribed to the continuous care bestowed on his stock by the successful grower, and the intermittent care and partial neglect, in this respect, of his less successful neighbor.

The Propagation of Carnations

There are different ways of propagating Carnations; the older English authorities seem to have preferred layering, which is necessarily a very slow method, practically unknown in this country. Another means that they practiced was propagation by pipings; these were practically the same as our cuttings, and the directions for the operation are as follows: "Prepare as many pots as are wanted. Fill them nearly full of compost and the remaining space with silver sand. Prepare the pipings by cutting off a stem quite smooth at the third joint; then carefully slit the joint just through and insert the pipings in the sand."

How would our growers, who propagate Carnations by the million, like to be confined to the slow and tedious method just outlined? Undoubtedly, their patience and their pots, with some of the other material mentioned, would soon become exhausted.

Judging from the directions concerning many of the horticultural operations described in the English works on gardening, and especially those of an early date, silver sand was a very important substance in the gardener's equipment; and, while it is a very nice and cleanly material to work with, we have proved by long practice that it is not indispensable.

The best material from which to make Carnation cuttings are the shoots springing from the sides of the flowering stems but taken before they are old enough to have developed the three joints mentioned in the directions concerning pipings, just read. These will make better plants than the tips of terminal stems, such as are produced on young plants, and which are sometimes used.

Cuttings should never be taken from plants showing any signs of disease, such as yellow or spotted foliage, notwithstanding the temptation to do so in the case of varieties that it is desired to increase to the limit.

Only so many cuttings should be taken off at once as can be prepared before they show any symptoms of wilting; they should be handled at a distance from stoves or hot pipes, and not in bright sunshine; it will do no harm to freshen them by a gentle spray of cold water if it seems necessary.

While some growers insert the cuttings in the sand almost in the condition in which they are taken from the plants it is very much better to prepare them first by judicious pruning, as follows: Pull off two or three of the lowest leaves, but without removing too much of the substance of the stem of the cutting, then, with a sharp knife, shorten any of the remaining leaves that are long enough to require it, leaving from one to two inches of the base of each leaf.

The cutting bench should have been prepared in advance, with three or four inches of clean, sharp sand, free from loam or any vegetable substance, and should be provided with some means of keeping up a gentle under heat.

It is the practice of some of the best propagators, and a very good one, too, to renew the cutting bench with fresh sand after each lot of cuttings have been taken out; but it is a laborious operation and not absolutely necessary. If the sand is stirred and loosened, and thoroughly soaked with boiling water, applied with a watering can having a spray rose on the spout, so as to destroy any fungoid growths in the sand, it may be used for a number of times with safety, as has been proved by actual experiment.

In preparing the bench to receive the cuttings, the sand, which should have been thoroughly watered some time previously, should be firmed by using a clean brick, or something similar, and scored for each row of cuttings with a table knife. If the cuttings have been properly trimmed, the rows should be about two inches apart, and the cuttings placed one-half to three-quarters of an inch apart in the rows. They should be inserted from one-half to one inch deep, depending somewhat on the condition of the sand and the character of the cuttings, and should be firmed by pressure of the finger and thumb on the sand, during the operation of setting them, which may soon be learned. As soon as a lot are set, they should be given a good watering with a can such as recommended for scalding the bench, and should never be allowed to get so dry that the sand becomes light colored and dry to the touch, or the cuttings show any signs of wilting; the watering should be done, if possible, during bright days and in the morning. While the bench should have all the light it will bear without injury to the cuttings by making them wilt, it will be necessary to shade it from bright sunlight, at least until the cuttings have become so thoroughly established that sunshine does not harm them.

As soon as the cuttings have formed roots half an inch in length they should be potted in two-inch pots; using a good quality of potting soil with little or no fertilizer in it, and firming the plants well in the pots. This course is preferable to planting the cuttings in trays or boxes of soil, a plan followed by many growers. The plants should now be placed in a rather cool, well-lighted house, having about the same temperature as that in which the cuttings were rooted, and one in which top ventilation can be given when needed.

For a short time, at first, they will require to be shaded from bright sunshine, but the shading should be dispensed with as soon as possible.

Watering Requires the Greatest Attention

One of the most important things requiring attention at this stage of the growth of the plants is the watering. They should never be allowed to get quite dry, and, on the other hand, should never be watered while the soil is wet; as neglect or carelessness in this respect is likely to lay the foundation, or rather sow the seeds of future stem rot. This operation should be in charge of the most experienced and careful person employed in the establishment; if the watering is done with a hose it should have a nozzle furnished with a spray rose, having a flat and not a convex surface, perforated with very small holes.

To water plants as it should be done is one of the most difficult things to teach a beginner, and should never be entrusted to any one who cannot do it properly. A careful and experienced man knows by looking at plants when they need water and how much they need.

While probably a majority of plantsmen use an open hose to water with, regulating the amount of the flow with the end of the finger, this is not nearly as good a plan as to use the spray nozzle, as recommended for the newly potted Carnation plants. The flat perforated surface of the rose concentrates the spray, while a convex surface would cause it to be too much scattered, making it difficult to apply the water just where it is needed without wetting other plants standing near that may not require irrigation at the time. For general greenhouse use the perforations in the rose should not be very large.

General Culture Notes

Weeds should not be permitted to grow among the young Carnation plants and fumigation must be attended to regularly, to keep down aphis, while the under side of the foliage should be sprayed with a good force of water to keep the plants free from red spider. As soon as the stems attain the proper height, say five inches, they should be stopped; this will induce the formation of side shoots, and, when the pots are well filled with roots, the plants should be repotted into three-inch pots; and so on to four- and five-inch pots for those that are to be benched from pots.

Late propagated plants, that are to be grown outside during the Summer, may be planted from two-inch pots; or, better still, from three-inch if they have needed repotting before being planted out.

Propagation by cuttings may be carried on from November until April; but January, February and the early part of March will be found the best time for this operation.

The proper time for planting in the field will vary with the latitude and the season; this should be done as early as it can be with safety, so that the plants may become established and make some growth, before the hot weather of Midsummer.

If the young plants have been hardened in a coldframe, for some time previously, they may be planted out sooner than if taken directly from the warmer greenhouse.

The soil in the field, where the plants are to be grown, should be of a loamy nature; care should be taken to have it well pulverized and free from stones and other obstructions.

If a horse cultivator is to be used, the rows should be two and a half or three feet apart; if to be cultivated by hand they will only require to be eighteen inches apart, and, in either case, the plants should be set about a foot apart in the rows.

A half inch rope should be tightly stretched where

(*Continued on page 174*)

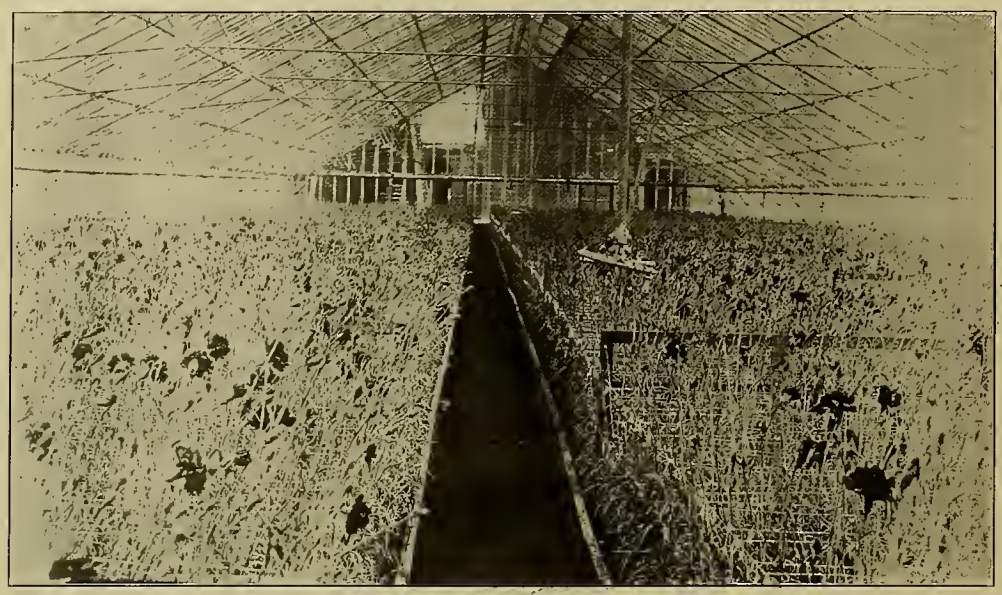
Carnation, Mrs. C. W. Ward

Carnation, Alma Ward

Carnation, Mrs. Thos. Harvey

Leading Carnations at Cottage Gardens Co., Inc., Queens (L. I.), N. Y.

At Pittsburgh, Jan. 26, Mrs. C. W. Ward was awarded the S. A. F. Silver Medal; Alma Ward captured the S. A. F. Bronze Medal, also a Sweepstake Prize.



Beacon Carnation at White Bros., Gasport, N. Y.

The above illustration of a house of Beacon Carnation at White Bros.' range, Gasport, N. Y., was taken Jan. 9. The house is 42 ft. wide and 175 ft. long and holds about 8000 plants, which were benched in early August.

Among the Carnationists

Does the Carnation Lead the Rose In Commercial Importance as a Cut Flower Under Glass?

Poehlmann Bros. Co., Morton Grove, Ill.

Referring to the subject of whether the Carnation leads the Rose in commercial importance, I would judge that the retailers would be better able to answer that question. When it comes to actual numbers of plant growers I believe the Carnation leads, because of the numerous small growers who do not force any Roses. Among the large growers you will find the Rose occupies far more space than is devoted to Carnations. With us Roses are the principal item, and will account for 75 per cent. of our total sales. I think you will find this condition practically true of all large Rose and Carnation growers around Chicago. This is also true of many large establishments located in other sections.

The main feature to talk about at the Pittsburgh convention would be that of the Carnation Society and Rose Society joining hands, and making "one great big convention" instead of having two. It's a bad waste of money and time, and represents a loss of at least $10,000 to those who attend the shows. I have every reason to believe that a conservative figure, and there remains not a doubt in my mind but what if this question were put to a vote, a large majority of the members would vote in favor of a consolidation, fathered by the national S. A. F., for the best interest of the craft.

AUGUST F. POEHLMANN.

C. C. Pollworth, Milwaukee, Wis.

This subject, to get at it accurately, as to whether or not the Carnation leads the Rose in commercial importance, would require a broad investigation covering most of the leading flower growing sections of the country.

In giving my personal opinion, I believe the Carnation has passed the Rose as a commercial flower; Rose growing being confined more to specialists, while Carnations are being grown by nearly every florist controlling some glass. With the rapid strides the Carnation has made the past few years, considering flower for flower, it has passed the Rose also on the general average in the quality of flowers.

A grower with a limited amount of glass will not grow Roses, but he will take readily to the Carnation as his "bread and butter flower."

Roses, of course, will always be in demand and must be supplied for certain occasions, but when you take the present varieties of Carnations such as White Perfection, Enchantress, Victory, Beacon and a few others, when well grown they certainly do make inroads on the sale of Roses in the general varieties, except possibly American Beauty.

The retailer will buy and carry in stock larger quantities of Carnations than of Roses; likewise, when selection is left to him in the making up of funeral work. Carnations are invariably used, he being able to give his customer a better showing for the money, especially if the amount he has to expend be moderate. Likewise the dealer will always ask a much larger percentage of profit over the cost price on Roses than he will on Carnations; this also is a boost for the Carnation.

Roses naturally should bring a higher price than Carnations, figuring the additional expense in growing them; likewise the shrinkage in the poorer grades when sorted over in the wholesale markets cuts into the average of returns, so perhaps from a profit standpoint between the growing of Roses and Carnations there is little to choose from. Carnations have proved to be the popular flower as witness the tremendous quantities now being grown and sold, likewise the enthusiasm displayed by Carnation growers at all exhibits, the large attendance at the A. C. S. meetings, also the interest shown in the many new varieties disseminated; all these facts demonstrating plainly the commercial importance of the Carnation as a florist flower grower under glass.

Milwaukee, Wis. C. C. POLLWORTH.

W. W. Coles, Kokomo, Ind.

Does the Carnation lead the Rose in commercial importance as a cut flower under glass? During the last five years the Carnation has gradually been forging to the front, and today I firmly believe there are more dollars spent for the Carnation than any other cut flower grown. I grow both for the wholesale and retail trade and find the greatest call for Carnations. The wonderful improvement in the varieties which are grown today are no doubt responsible for the popular favor the Carnation now enjoys.

Before the advent of the Lawson, Enchantress, White Perfection and Beacon, the Rose was the general favorite. Lawson will not be grown by us after this year. Heretofore it has been one of our best paying varieties with the exception of last year and this. Now it is the poorest one on our place.

The only white varieties we grow are White Enchantress and White Perfection. Our best pink are Enchantress, Rose Pink Enchantress and Afterglow; the latter will be grown in larger quantities next year. We are growing a few May Day and wish we had more. This is one of the most pleasing shades of light pink we have; a good healthy grower and a free bloomer. Beacon and Victory are both good reds, and we shall continue to grow them for some time. WALTER W. COLES.

E. A. Richards, Greenfield, Mass.

As to whether the Carnation leads the Rose or not, my own experience is that where I sell or use 100 Roses I sell or use probably from 500 to 800 Carnations. I have never kept any record for comparison, but think the figures given not far out of the way.

I have no novelties. I am growing this year Lady Bountiful, White Perfection and Pres. Seelye for white; Seelye I shall probably drop this year, as it comes too late; it will give us nice flowers from now on but it is too late. White Perfection I shall grow more of next year, and also Lady Bountiful, which I think are the best all season whites I have ever tried. In dark pink I am growing Viola Sinclair, which I think the freest bloomer of anything I ever saw. For light pink I have Winsor and Rose Pink Enchantress; the latter will be dropped this year, as it splits too badly. Enchantress I am growing, but am looking for something to take its place, as it seems to be going back on me. I shall try a few May Day next year. For scarlet I have Beacon, which I think is hard to beat, and Prospector which will be dropped this year, as it is too small. For dark red I have Harry Fenn and Harlowarden, and am looking for one with the color of Fenn but larger in size and more free in bloom.

The varieties that seem to do the best here are Beacon, Viola Sinclair, Lady Bountiful and Winsor.

E. A. RICHARDS.

Charles Weber, Lynbrook, L. I., N. Y.

The Carnation establishment of Charles Weber, Lynbrook, Long Island, N. Y., is well known as the place from which that most popular variety, Victory, was disseminated; and it may gain further distinction through another variety, a fringed, light pink seedling which has been named Brooklyn, and which on its appearance before the New York Florists' Club, in December last, scored 85 points. This seedling is a clean, healthy grower, prolific enough to figure in the "bread and butter" class. It throws long stems early, with flowers of good size, carried erect. It has been well tried out and is this year liberally benched with entirely satisfactory results. It will be seen at the Pittsburgh exhibition and should prove a good scorer. Mr. Weber, with R. G. Wilson, the Brooklyn florist, are preparing to disseminate it.

One of the sights of the Weber establishment just now is a house of Carnation Imperial. This variegated variety was disseminated in 1906 by John E. Haines of Bethlehem and Alex. J. Guttman of New York, but is not commonly grown. Mr. Weber is showing it in fine shape, large, handsome flowers on stems over 3 ft. long. He claims it is a very profitable variety to grow, and brought fancy prices during the Xmas holidays. Pink Delight is proving a favorite here, having made an excellent record.

House of Carnation Imperial at Chas. Weber's, Lynbrook (L. I.), N. Y.

We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(25) **Congo or African Violet.**—Kindly let me know the botanical name of a flower called the Congo Violet. I have been unable to find any reading matter about it under that name. I heard the flower mentioned and am desirous to know its description.—E. A. M., New York.

—Saintpaulia is the botanical name of the Congo Violet, and it is a plant which, when in bloom, presents a beautiful appearance. It needs treatment such as would be necessary to grow Gloxinias well, and the plants bloom for a long period, after which a season of rest is found beneficial. Young stock is secured by leaf propagation or from seed. Care is necessary to keep water from foliage, as the leaves are very liable to be spotted.

(27) **Sweet Pea Troubles.**—Enclosed find some specimens of my Sweet Peas, which as you will see are attacked by some kind of a disease, causing them to dry up and fall off. Will you kindly let me know the cause of this and the remedy?—W. A. H., New Jersey.

—Your specimens arrived very dry, but our opinion is, after examining them under a magnifying glass, that a very minute worm is eating the pith of the stems, thus causing you the trouble. If you split an affected stem you will be able to trace the course of the worm. Would suggest that you spray vines with some insecticide and use bisulphide of carbon in the soil (see answer to E. L. in issue of January 15) to kill larvae.

(28) **Ants on Carnations.**—I am troubled with the small black ant on Carnations; they eat out the flower and I want a remedy for them or a recipe for poisoning them. I also want to know the best way to rid the same plants of thrip. I have been using Roseleaf extract of tobacco, but it seems to be rather a hard job. Is the extract or tobacco dust the better of the two?—A. C. California.

—For ant remedy see reply to E. L. in our issue of January 15. For thrip, spray with Aphine or Nicoticide. A mild fumigation of hydrocyanic gas would also prove effective. See also reply to W. S. S. in issue of Jan. 22. Tobacco dust is not very effective.

(29) **Best Plants for U. S. Flag Bedding Design.**—I would like to ask, through the Question Box, if any readers would give a list of the best plants in flowering varieties, and also in foliage, to bring out the best colors in red, white and blue in a design planting a United States flag, for the coming Summer.—J. T., West Virginia.

—We should be glad to have the ideas of readers on this question.

(30) **Geraniums Blooming Well.**—Will you kindly tell me if all my Geranium blossoms are likely to turn out as the enclosed. The cuttings were obtained from only plants with the largest and most perfect blossoms. Is there anything I can spray them with to have them come perfect, or shall I discard them and get a new lot? The plants are in 3" pots (for decoration) and garden bedding in Spring. They are nice healthy looking plants but of no use with such few buds to open.—C. G. D., Penna.

—As long as your plants appear healthy we see no reason why they should not have larger blossom trusses. We see no disease in those sent here for examination. Would advise you to wait awhile, as a small Geranium plant can hardly be expected to give as perfect blossoms as a full grown plant, especially as your plants are now making roots and foliage, and when pots are filled with roots your plants should produce better blossoms as the season advances. Geraniums do not require a very rich soil.

(31) **Manure for Name.**—We have been subscribers of the Exchange for quite a few years and would like to ask of you a favor. We purchased some fertilizer, as per sample enclosed, for sheep fertilizer, and we think it nothing more than horse manure. Will you please give, through the columns of the Exchange, as early as possible, your opinion as to what it is.—A. L., New York.

—Your sample is sheep manure, and will make a good fertilizer, although not so quick to show results as is the pulverized variety. One part of this manure to three parts soil should make a fine top dressing for Carnations, etc.; put it on about half an inch thick over the benches.

(32) **Gloxinias and Begonias for Decoration Day.**—1. When is the proper time to start these bulbs so that they will be in bloom about May 30? 2. What treatment should they have and what temperature; what soil is best adapted for them? C. V., N. Y.

—1. These bulbs should be started now. 2. Place bulbs right side up in a mixture containing half sand and half leaf mold. Flat boxes may be used for this purpose, into which put about an inch and a half of the mixture, burying the bulbs about an inch apart, so that just the crown shows. Put the boxes containing bulbs in a warm greenhouse, and keep moist until root action has commenced. As soon as growth has fairly started, pot into 3" pots, using a sod containing one fifth sand, one-fifth ordinary soil, three-fifths leaf mold. Mix thoroughly after adding a little bone meal. Keep water from the leaves of the Gloxinias. Watering with a long-necked can will be the better way to secure good plants, as constant moisture on the foliage turns the leaves brown. A temperature of 60° to 65° at night will be sufficient. Give plants plenty of drainage and room as they develop.

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CLUBS and SOCIETIES

Horticultural Soc. of Newport, R. I.

A regular meeting of this Society was held on Tuesday evening, Jan. 25. On account of stormy weather the attendance was not large. President James Robertson in the chair. The following gentlemen were elected a committee on "Papers and Discussion" for the year: President Robertson, John P. Hammond, Bruce Butterton, Richard Gardner and John Forbes. For the next meeting, Feb. 8, the subject chosen is "Exhibitions." Each member of the committee will take part in opening the discussion, as follows: "Exhibitions, their Utility and Mission," by Pres. Robertson; "Preparing for the Exhibition," by John P. Hammond; "Staging and Arranging Exhibits," by Bruce Butterton; "Judging," by Richard Gardner; "How to Secure the Attendance of the Public at the Exhibition," by John Forbes. A Ladies' Night is also being planned for. ALEX. MacLELLAN.

Nassau County (N. Y.) Hort. Soc.

The annual dinner of this Society was held at the Oriental Hotel, Glen Cove, Tuesday, Jan. 26. It was more than a success; it was a grand feast, which will remain forever a shining star in the memory of the lucky participants. Thanks are due to Messrs. Eccles and McKenzie for the decorations; the tables were loaded with Palms, flowering plants and Carnations. In the center of the main table was a magnificent mound of Lily of the Valley, so uniform in shape, and so beautifully grown, that Mr. McKenzie is to be congratulated on his skill in bringing out this flower to almost perfection. President Duthie wished all a hearty welcome, and for over one hour all were kept busy, doing credit to the menu.

The winners of last year's point competition were presented their long sought trophies by President Duthie. Paul Reul received the gold medal; V. Clery receiving the silver trophy, and G. Wilson the bronze medal

Among the speakers Mr. A. T. Boddington spoke of the S. A. F. & O. H. and its great work, adding special emphasis in mentioning the Sweet Pea Society. Mr. Chas. Totty pleased his hearers by his remarks and the account of his short trip to Palestine. He brought our hearts to our mouths by his generous offer of $50 to the Society for our Fall show, and received our hearty thanks through President Duthie.

The toast to Bonnie Scotland and Bobbie Burns was well rendered by Mr. McNeir, and was followed by a selection on the bagpipes by our friend Robert, which was enjoyed by all.

George Burnett was in his glory while speaking of the tender feeling the seedsman generally has toward the gardener in general.

A short sketch on the inside history of our Society was given by Oscar E. Addor. OSCAR E. ADDOR, Cor. Sec.

Bowling Club News

The Astoria Florists' Bowling Club (L. I.), New York, gave a "Ladies' Night," Tuesday, Jan. 25. Thirty-six attended and all had an enjoyable time. The Club provided prizes to be competed for by the ladies and, in turn, the Ladies' Bowling Club, which is composed of the wives of the members of the Florists' Bowling Club, provided six prizes to be competed for by the gentlemen. Each lady received a prize. The gentlemen's awards were: William H. Siebrecht, Sr., for the greatest number of strikes; John Miesem for lowest score in the first game; Herman H. Lorenz for making nearest to 77 in any frame; John Donaldson for the greatest number of spares; John Boese for the lowest score in the second game; Philip Einsman for making nearest to 95 in any frame.

The prizes received by the ladies consisted of fancy dishes, plates, bric-a-brac, vases, etc. Prizes received by the gentlemen were two boxes of cigars, cigar case, automatic cigar lighter, florist knives, muffler and a diamond ring.

The Ladies' Bowling Club bowls Tuesday afternoons and the men's club bowls in the evening. On this occasion the ladies remained in the building and the gentlemen joined them for supper. During the supper ex-captain John Miesem was presented with a token of the high esteem in which he is held by the Club and in recognition of his services as captain. All had a very enjoyable time.

This is the second year of the existence of the Astoria Florists' Bowling Club, and it is certain that they will have a prize winning team at Rochester this year. WM. H. SIEBRECHT, JR.

Calendars Received

HENRY F. MICHELL CO., Philadelphia, Pa.—A handy wall calendar bearing an illustration covering the company's new store.

THOMAS MEEHAN & SONS, INC., Dresher, Montg. Co., Pa.—A very handsome calendar on buff board bearing a representation, in natural colors, of "Meehan's Mallow Marvels."

THE BILTMORE NURSERY, Biltmore, N. C.—A quarterly calendar, bearing a representation of a spray of Dogwood blossom, in colors.

Carnation Washington

This variety is a Lawson colored sport of Enchantress, the stock of which was recently purchased by the Chicago Carnation Co., from Henry Eichholz of Waynesboro, Pa. As a sport of Enchantress it needs no description excepting perhaps of the color, which is a cerise, the same shade as Mrs. T. W. Lawson, quite different from other Enchantress sports.

Mr. Bell's Paper—Continued from page 171

the row is to be, and the ground should have a final raking and leveling, by drawing a fine-toothed garden rake along the rope, walking backward. Pressing the edge or cutting face of a common garden hoe on the rope, and walking forward with it in that position, will leave a fine mark to plant by when the rope is shifted, and it is better than to try to plant beside a small stretched line.

The plants should be cultivated frequently and the soil kept in a loose condition; especially should it be stirred at the proper time after a rain; no weeds should be allowed to grow; the stopping of the lengthening stems must be promptly attended to, if shapely, bushy plants are wanted. No flowers or flower buds should be allowed to grow, or, at least, not until nearly time to transfer the plants to the houses.

During long continued dry weather a properly arranged system for irrigating, by means of perforated pipes, may be used to advantage; as the plants are all of the same nature, and the conditions likely to be uniform, the objections to such a system when used in a plant house where a variety of plants are grown, requiring varying amounts of water, do not apply.

Planting in the houses may be done from June to October, the earliest plantings being from pot grown stock. Probably the best time for housing the plants from the field is in August and early September.

Ground Beds and Raised Benches

The beds or benches should be of convenient width to work over, say not to exceed five feet where there are walks on both sides, and not more than three feet for side benches.

Both low beds and raised benches have their advocates and good flowers may be grown with either system of cultivation.

Ground beds are cheaply made and, if furnished with cement or brick walls, are durable, but should always have provision for sufficient drainage; raised benches, although more expensive to make and requiring frequent renewal, are more convenient to plant and weed, and stake and spray than low beds are. Each grower should test both plans and decide for himself, after a sufficient trial, which he will adopt. Possibly, as some have already done, he will use both.

Soil Requirements

While with proper attention in other respects Carnations may be grown fairly well in soils that vary greatly in quality, still the time and cost required to procure and prepare the best quality of soil for use on the benches or beds, is well expended.

Sod and the top soil from an old loamy pasture field, cut three or four inches thick, and piled with one-fourth of their bulk of clean cattle manure, a sufficient length of time before using, to attain the proper condition when sliced down and thoroughly mixed, and having a small quantity of air-slacked lime incorporated with it, forms an ideal compost.

Transplanting

The bottom and side boards of the raised benches that will come in contact with the soil, should, before filling, be thoroughly coated with whitewash made from freshly slacked lime and having a small quantity of sulphur added. Five inches of soil, prepared as directed, is sufficient for the raised benches.

In digging the plants in the field, a reasonable amount of soil should be left attached to the roots, if possible, and they should be carried and handled so carefully, that this soil will not be shaken from them. Contrary to what the novice might expect, the best results in transplanting will be obtained if the soil in the field is dry when the plants are dug, rather than if it is wet. The plants should be transferred to the benches as promptly as possible, after digging, so that the roots may not become too dry.

Probably a majority of planters firm the soil around the newly set plants by pounding it with the closed fist but, as this firming is an important part of the planting operation, a better plan is to use a brick hammer or something similar, as a tamper for the purpose. Care should be taken not to set the plants any deeper in the soil on the benches than they were growing in the field.

After a few feet of bench has been planted, the soil and plants should be gently but thoroughly dampened, by using the fine spray rose on the nozzle of the hose; if the sun is shining on the benches the plants should be lightly sprayed again after the foliage has become dry; this spraying should be repeated, on bright days, as often as may be necessary; so as, if possible, to avoid having to shade the glass.

After the plants have become somewhat established they should be dusted with air-slacked lime and, as soon as convenient, they should be furnished with the galvanized wire supports, to be lengthened as needed. These, although more expensive, are neater and better than strings stretched between the rows; a plan in common use.

Ventilation, Diseases, Etc.

Carnation houses should be freely ventilated whenever the weather will permit; fumigation and spraying, for aphis and red spider, must not be neglected. Weeds should not be allowed to grow and the surface of the soil should be stirred frequently, when in the proper condition, but not so deeply as to injure the roots of the plants.

As soon as the flower buds are of sufficient size to handle, disbudding should be commenced, and continued persistently throughout the season. In disbudding Carnations, it will be found best to begin at the top of each stem, so that, if by accident the terminal bud is broken off, one of the buds lower down may be left to take its place. On account of differences in habit of growth, certain kinds can be disbudded much more easily than others. Among the kinds that require most time because of their very numerous buds and side shoots, are Beacon, Bassett, and Georgia; among those that can be disbudded much more quickly are Harvard, Victory, and White Perfection.

After the soil has become filled with roots, the application of additional fertilizing material may be made; either pulverized cattle or sheep manure, to be stirred into the soil, or liquid fertilizer, for the making of which there is nothing better than cattle manure. This must be applied in combination with good judgment, and neither too strong nor too frequently.

Carnation Princess Charming

This Carnation, shown by H. Eichholz, of Waynesboro, Pa., its originator, at the Pittsburgh convention this week is described as follows: Color, salmon pink; growth, stem, calyx, of extraordinary strength and size, a giant among Carnations; very free bloomer and practically non-splitting.

The most important thing connected with the cultivation of Carnations is the watering; the most common failure in this respect, is in allowing the soil to become too dry, even to the extent of causing the plants to droop and wilt. The soil on the Carnation benches should always be slightly moist but should never be watered when saturated.

But little need be said now concerning the filthy Carnation rust which caused so much trouble and dread a few years since, nor indeed of the various other fungoid diseases to which the plant is subject; because, if intelligent care and attention are given to the propagation and culture of the plants, but little trouble will be experienced from any of these diseases; this applies as well to the case of other florist's plants.

If those who complain so much of disease in their stock of forcing Lilies, and lay the blame on the men who grow the bulbs, would give more care to the plants, and especially in the matters of temperature and moisture, the "two tures," as they have been called, would find their stock practically free from disease.

In regard to the style and size of plant houses for the proper cultivation of Carnations ideas differ and will continue to do so; although at present, the tendency seems to be in favor of longer and wider houses; but some of the finest Carnation flowers that have ever been produced were grown in narrow houses; so narrow, indeed, that in some cases they were wide enough for but one narrow bench; but the man who grew them, was careful not to allow the ventilating sash to remain unopened during the whole of a bright sunny day, nor to neglect the watering until the plants hung their heads from thirst. While good-sized houses, well lighted and conveniently arranged, are very desirable, success does not depend so much on the style of house, as on the style of man in charge of it. Houses 300 ft. in length, should be long enough for any reasonable man, and

Bench of Carnation May Day as Grown by Peter Fisher of Ellis, Mass.

Of May Day, Mr. Fisher says: "It is a beautiful Carnation and a grand sort for a man with a home trade."

Enggren's Deep Pink Seedling Carnation Which Scored 85 Points at N. Y. Florists' Club, Jan. 10, 1910

E. L. Enggren, Aqueduct, L. I., N. Y.

equal span houses, running north and south, do very well for growing Carnations in.

The number of varieties that are grown with profit at the present time is so great and is being so persistently added to that it seems unnecessary to specify them, or to say which are the most profitable; the beginner in the business will do best to consult some successful grower on this point; and, after having had some experience to add to his stock, for the purpose of testing, some of the most promising of the new introductions and retain those that prove to be desirable.

Production of New Varieties

Notwithstanding the very many fine sorts that are now cultivated better kinds than any now in existence will be warmly welcomed when they appear, as they undoubtedly will; this prospect opens a new field to the thoughtful Carnation grower: the production of new varieties.

He may be fortunate enough to have a sport or variation from an existing kind originate on his premises; which is a short cut to the point aimed at, for which he will deserve no particular credit; but from which, if it is a decided improvement in color, size or habit, over those now grown, he may derive a considerable profit.

The most promising way to proceed, as well as the most interesting, is to resort to cross-fertilization—usually called hybridizing—which term is in this instance incorrect, as a hybrid is the result of a cross between different species of the same genus, while the various kinds of Carnations, as we grow them, are simply different varieties of the same species.

He will select for his experiments in cross-breeding, parent kinds that seem to combine the qualities he desires in the looked-for progeny; and, after growing and testing a few thousand seedlings, he may be rewarded by the production of a prodigy, which may, indeed, result from the very first pod of seed produced; when he has bestowed on it a plain, short name, somewhat descriptive, if possible, and sold the stock, or a portion of it, for ten thousand dollars, be the same more or less, he will probably feel repaid for the time and trouble expended on its production; if his efforts do not result so profitably he will, at least, be repaid in a measure by the interesting experience he has had.

The intelligent, observant, and careful grower of Carnations will soon be able to distinguish the different varieties he cultivates from each other, by inspection, guided by differences in apearances and habit, that cannot be described in words; possessing this faculty, if mixtures occur in his stock, as they may, he will be able to identify and name the interlopers. He will find the work, in its variety, both healthful and interesting; and, if located within reach of a good market, profitable as well. He may also, as a result of experiments, discover some improved methods in the culture and care of his stock that will be of general interest and benefit, and, having done so, will, of course, report the same to the American Carnation Society.

Carnation Conquest

Conquest is a variegated variety introduced by the Chicago Carnation Co., Joliet, Ill., and is considered to be one of the best of its type since the days of Prosperity, all the good points of which variety it seems to possess, including its free blooming qualities and stiff stem. In color it is a light flesh pink as a background, overlaid with a deep rose pink extending clear through the petals.

The Calendar of the Carnation

A Paper read by Jos. H. Hill of Richmond, Ind., before the American Carnation Society, in Convention at Pittsburgh, Pa., Jan. 26 and 27, 1910.

It seems a trifle ludicrous for a person as young and as inexperienced in Carnation culture as myself to stand before a body of representative men such as are gathered here today, and attempt to inform them as to the best way to cultivate Carnations throughout the year; many a member of this Society was successfully growing Carnations before I was born; others, comparatively young men, are already acknowledged authorities on the "Divine Flower," and there are others here present who might, if they so desired, retire on their well-earned laurels and enjoy for the rest of their lives their well-filled coffers, the result of hard work, close application, and an unceasing attention to the demands of their chosen flower. In some portions of my discourse will readily be recognized the teachings of such men as Mr. Wm. Nicholson and the Dailledouze Bros., to all of whom I am deeply indebted for kindly interest and instruction, and unfailing response to any inquiry propounded; other portions of this paper are records of my own observations and experiences, many of the lessons being quite expensive, as every grower has at times cause to confess as he sums up his columns of success and failure.

The middle of November witnesses the first steps looking toward the production of the millions of Carnation plants required for the annual planting in this and other countries. At this time the grower puts into the sand those varieties which fail to make good plants from later struck cuttings, and also those required by those of his customers who insist on "late December or early January delivery." While large numbers are taken in November and December, the bulk of the propagating is done considerably after the holidays, and often quite up to the first of May. It is generally conceded that cuttings taken during January, February and March will give the best results to the average grower, though most of us have seen grand blooms produced in quantity from good April cuttings.

Too much importance cannot be attached to the careful selection of cuttings, which must be strong and healthy and from clean and vigorous plants. The old axiom quoted in Mr. Ward's book that "like begets like" must never be lost sight of in this part of our program.

The cutting bench should have a brick or tile bottom, filled with 3 to 4 inches of absolutely clean sand, and so constructed that a bottom temperature of 60 degrees can be maintained; no draughts should be allowed to strike the cuttings, and they should also be protected from the direct rays of the sun by a perfectly clean and light-weight curtain of muslin.

The cuttings should receive a very thorough watering when put into the sand and the detrimental habit of using the hose whenever they show signs of flagging should be avoided, as this wilting invariably shows that overhead conditions are wrong, and these must be corrected rather than that water should be added to an already saturated sand—the less amount of water used, and still keeping the cutting fresh and plump, the better will be the root formation, and it requires a nice discrimination to properly adjust the condition. Varieties differ greatly in the fiber of the first roots, the Enchantress family being notable for producing good, tenacious roots quickly, while Afterglow, the sturdiest, toughest stemmed variety in existence, must be handled with great care to prevent the loss of roots when taking from the sand, and must be allowed a longer time to mature.

Then arises the question, shall the cutting be dibbled into soil, or potted? The former procedure is the easiest and the quickest, but I feel sure that the extra work of potting and repotting is doubly repaid.

The young Carnation that is planted in the field or in the flowering bench from a pot, with its firm ball of earth, enwrapped with a net work of roots, will show no ill effect from the shift and will start right off into growth without a day's hesitation; while the lifted plant, in handling and resetting, loses most of the soil from around the roots, and receives a severe check from loss of moisture from its tissues, and especially is this the case if not revived by frequent showers soon after planting. Another strong point in favor of the young pot-grown Carnation is exemplified when the plant is lifted from the field either for shipping or for immediate benching, the small pot ball of the Springtime will still be found intact, greatly protecting the roots from serious injury. One might be led to suspect that the speaker was interested in the pottery business, for if all the Carnation men decide to pot all their cuttings before planting, it means millions of pots, but such is not the case; nevertheless, if any of the pot men present want to "fix it"

Carnation Shasta

The photograph herewith is of a single bloom of our Carnation Shasta, and shows its fine symmetrical form. The bed (reproduced elsewhere) is one of 1800 plants, from which up to January 1, over 15,000 blooms have been cut, and it is still producing just as heavy as ever. As a money making white Carnation this variety has no equal among those on the market today.

Indianapolis. BAUR & SMITH.

Carnation Sangamo

Sangamo, an introduction of A. C. Brown of Springfield, Ill., has been described frequently in the Exchange. The flowers are of a beautiful silvery pink color, well formed, nicely rounded in the center, and do not fade. The plants throw long stiff stems, with splendid calyces which do not split. It is a variety which comes in early, and is a very fast grower. The picture shown was taken in the houses of the Chicago Carnation Co. of Joliet, Ill., who are disseminating this variety.

Norwood, Craig's Carnation Seedling

This seedling has been grown for some time by the Robt. Craig Co. at 49th and Market sts., Philadelphia, Pa., and was last fall transferred to the company's new establishment at Norwood, Pa., where four benches of it may be seen growing. It has been thoroughly tested and has proved a winner, consequently is to be disseminated next year.

The flowers are pure white, borne on strong, wiry stems. The variety blooms early and continues right on throughout the Winter season, producing good-sized blooms. It is purely a non-splitting variety, and as grown with other varieties in the same house, and given the same treatment, it thrives well. All the plants are in a healthy condition, and under general cultural methods respond quickly, new growths showing from four and five dormant eyes as rapidly as can reasonably be expected after developed flowers have been cut. The flowers open quickly, and they have proved their keeping qualities many times over. Seeing is believing, and a trip to Norwood will convince the most skeptical that it is a bread and butter variety. It was exhibited at the C. S. A. convention, Pittsburgh.

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with the speaker, he will be glad to meet them after we adjourn.

We endeavor to get our young stock up into 3's before planting out, but very often in the Spring rush some lots have to remain in 2½'s, and grow on very nicely provided they have not become badly potbound.

When the first warm days come on, about mid-April, the inclination is to rush the stock out into the field, but I feel sure that it is a serious mistake to do so; in the house it has grown up in a temperature of from 45 degrees to 50 degrees, and with moisture judiciously supplied, so that it cannot but suffer and be seriously checked when subjected to cold, severe frosts very often, and worst of all, to wet weather and a falling thermometer.

In an ordinary season if the planting is fully finished by the first of June, good, big, healthy stock is assured, providing your soil has been properly prepared and is possessed of full quantities of plant food.

We have come to the conclusion that cross-checking the plants in the field so as to cultivate them both ways with a hand cultivator is not so good as to give them more room between rows and draw the plants closer together in the rows. By spacing the rows 28 to 30 inches, a horse and spiked-toothed cultivator can be used, greatly lessening the hand labor, besides loosening the soil to a greater depth; the inclination of the hand cultivator is upward rather than downward, thus failing of the intent to a certain degree.

About July 1 we begin to condemn the benches that are not producing a paying quantity of flowers, emptying the worn-out soil, and making them ready for our next year's hopes.

It is now a recognized fact that the returns from Carnations cut in June and July come nearer being "real velvet" than those cut at any other time in the year, providing the plants have had the proper care and have not been neglected during the late Spring rush.

If there is any time in the year when the greenhouse laborer approaches mutiny it is when the task of wheeling out and wheeling in presents itself. If at this particular period of Carnation culture the lady who strolls through the houses in the Winter remarking on the delights of "cultivating the fragrant blossoms," comes about once more, she certainly finds herself rudely disillusionized, for it is as hard, hot, and disagreeable as working in a quarry, or in the moulding room of an iron mill. The man who perfects a practical, mechanical soil carrier not only has a fortune assured, but the added blessing of every man relieved of this arduous and exhausting work.

A word as to soil. The old prescription "3 parts of soil to 1 of well-rotted manure, together with a generous sprinkling of bone, chopped fine, and put on the benches" is bound to be superseded by more modern methods of soil preparation; there are a number of eminently successful firms in this country who take as long as five years in the preparation of their soil for indoor culture.

The one vital principle to be observed is to have the manure and other fertilizers so thoroughly assimilated by the soil, by means of leguminous crops and clovers, that the food is immediately available to the plant.

So much has been written concerning the careful lifting and quick resetting of the plants from the field that I pass this item of culture, but wish to emphasize the necessity of the use of the Bordeaux mixture promptly on the establishment of the plants, generously applied, and given once thereafter every three or four weeks: it not only acts as a preventive of spot, rust and other minor diseases, but of stem-rot as well.

By beginning in August with a weekly spray of nicoticide, and continuing throughout the year, we keep down aphis and also rid our plants of thrip; red spider is controlled by an occasional application of salt water together with syringing under high pressure on bright days.

The antiquated proceeding of mulching heavily in late Summer or Autumn has given way to light top dressings, through which the surface of the soil is always pliable and open to the free air, thus preventing any tendency toward souring.

Lime, wood ashes, sheep manure and pulverized cattle manure, always applied sparingly, constitute the menu for our plants after they are "up and doing."

Plenty of fresh air, whenever it is possible to admit it, insures a healthy free growing plant.

Not until October and November do the plants throw character blooms, but if by January 1 each plant does not show several blooms cut, something is decidedly wrong, either with the variety or with the culture given.

In regard to new varieties. We need them, and they are interesting, and we must not forget that every variety that we grow was once an untried novelty; but it behooves every general grower to ascertain as far as possible the exact value of a "new one" before displacing an "old one" to make room for it in quantity. This national meeting is of inestimable value to Carnation growers in that it shows just how well the standard varieties are holding their early vitality and position, and just what new sorts are surpassing their seniors in brilliance of color, perfection of form and in size; only the finest and most productive sorts can in this day and time pay for standing room in the modern, uptodate greenhouse.

My Experience with Carnations
Under Glass

A Paper read by Vice-President Fred. Burki of Gibsonia, Pa., before the American Carnation Society in convention at Pittsburgh, Pa., Jan. 26 and 27, 1910.

When I consented to read a paper on my experience in growing Carnations under glass I meant Carnations planted under glass in Summer, instead of in the field, as it is still an open question, with most of us, which method is the best, and with your permission I will confine my notes to this subject.

In the early nineties I set out some plants under glass in the Spring, with the object of getting salable flowers in the early Fall, as at that time we did not house Carnations as early from the field as we do of late years. The variety was Mrs. Fisher, which I at that time grew as my principal white, and with which variety I had for some years great success, but only in solid beds, as it did not do well for me on raised benches.

I found that stock out of 3" pots planted under glass in Spring gave me good flowers when such were scarce, say in September, October and November, and bloomed through the season as well as did those planted from the field; they did not make as much surplus grass but grew more slender, with equally as good flowers and longer stems than the field-grown produced, and they could be planted closer.

The soil I used at that time was taken from an ordinary piece of garden ground, as I could not procure sod, being located in one of the city suburbs. This piece of ground was manured heavily in the Spring with cow manure, ploughed in, and kept ploughed through the Summer; sometimes we manured the ground a second time and pulverized the soil with the harrow before taking it into the house.

Another variety I grew with great success in those days was Hector, a scarlet, which did better with me than any other red at that time and for some years after; the only fault it had was weak stems. I had to give it up when the trade insisted on stiff stems. Hector grew very tall under glass in Summer but bloomed much better that way than when planted from the field. I simply could not make Hector pay when planted from the field, and it did its best when I planted it in beds prepared in Spring, and cultivated the same as if under glass, and before Fall built a greenhouse over it.

I am of the opinion that this way of growing Carnations—on beds with no glass over them in Summer, until Fall—would be ideal if it were practical, but I find it impossible where we are located and with the kind of houses we build now.

Some years ago Uncle Jno. Wyland said to me one day about the beginning of June: "I am going to take the glass out of my Carnation house, clean it out and plant the young stock in it in place of into the field." I said to him: "You are going to have a big job on hand." About the end of June I met him again and he said to me: "You cannot believe how quick we got that glass out and put away; it took us about two days." I said to him: "Well! You will find it a bigger job putting it in again in the Fall, and you have now no Carnations to sell, when I can get good money for them, $2.00 per 100." He never did it again, although the Carnations were a success.

Of late years we aim to plant the Lawson varieties under glass instead of in the field; in this way we get earlier flowers and longer stems than we can from the field-grown plants, and unless we can house these varieties from the fields by the first week in July they hardly give us a first crop before the holidays, and then short stems, with flowers not up to the mark.

A. H. Wingett's Carnation "Lady Algy"

This splendid new introduction was exhibited by Mr. A. H. Wingett at the meeting of the Lenox Horticultural Society, Jan. 15, and was unanimously awarded a first-class certificate.

This is one of the most promising new varieties in sight; in color it is a pure salmon pink, not the washed-out color that is sometimes called salmon, but the true color of the fresh fish. It has been the good fortune of the writer to see it growing this Winter and, among a house containing the best varieties, splendidly grown, "Lady Algy" attracted instant attention. It is a sport from Beacon, and when I say it has all the good qualities of its parent growers will know that there is not much amiss with it, in fact it almost seems to outdo Beacon in vigor and floriferousness.

Several commercial florists as well as a number of private gardeners pronounce it the best thing in sight; certainly we do not know of anything to equal it especially in attractiveness of color, either by natural or artificial light. Mr. Wingett believes it has a future and is handling it on the most approved methods, propagating nothing but the best of cuttings.

EDWIN JENKINS.

New Carnation Mrs. Walter W. Coles

This is described by the originator, W. W. Coles of Kokomo, Ind., as follows: A bright scarlet crimson; good stiff wiry stem. Average flower over 3 inches in diameter. Calyx absolutely perfect. The only variety on our place that never splits, and the most wonderful free continuous bloomer.

We propagate them during December and January and get them into 4" pots by May. I find, though, that unless planted under glass not later than the first week in June, field-grown plants planted end of June or first of July are more satisfactory, as the plants in pots are liable to suffer during June from one cause or another.

The difficulty is this, though, when Carnations have a good sale during June, as they do some years, and your plants are in crop, to make up your mind to throw them out and make room for young stock.

The spaces we are able to plant in May are the beds we had in 'Mums the Fall previous. Following these we take out a crop of Grand Rapids Lettuce, then fill up with potted cuttings of Carnations. We prefer them all in pots as they come from the cutting bench, so that when we plant in the field we have a good ball to them, then the plants will not suffer much if the ground happens to be dry and we cannot get them watered right away. Then, as soon as the plants are in the field, we get this empty space planted with Lawson and Winsor.

The soil we use is sod, ploughed about 4" deep the Fall previous, and before we bring it in we plough in a good coat of rotten stable manure, pulverizing it with the harrow.

I have found that soil prepared this way in the open field is sweeter than when it is put up in heaps, and the labor is less; besides, the sod piles are apt to sour unless they are turned and cut down, which means much work for the laborers.

I have found that other varieties than the Lawsons also do very well when planted under glass in Spring; I rather think nearly all varieties would if we could only get the houses ready for them without having to sacrifice hundreds or thousands of dollars' worth of flowers to do it.

A Carnation, the People's Flower

Read by W. H. Breitenstein before the American Carnation Society at Pittsburgh Convention, Jan. 27, 1910.

Flowers are not more a luxury in modern life than are good clothes, comfortable homes and the many things in daily use which place living above an existence.

There is probably no normal human without an inherent tone of the beautiful, and this finds no commoner expression than in a fondness of flowers.

The indulgence in this expression, it must be conceded, is primarily a matter of cost. He of limited means, and he is legion, must have value received; be it in color, for cheer in dull environment; fragrance, to stimulate the sense; perhaps reminiscent of a happy yesterday or mayhaps to anticipations of the morrow, the influence only for good; nevertheless, it must not be a "flower for a day." The Carnation has been the people's flower. Its beauty and fragrance, appealing to the senses, and its cost placing it within the means of all having more than enough for the common necessities of life, its hardiness giving prolonged pleasures.

Mark well the assertion: "Has been the people's flower." Perhaps it still is, and may be shall so remain; that, it seems, is "up to you."

From observation it seems to lose in popularity. Why? Certainly not in that it is less beautiful? What is the answer? Is it not in that it becomes more and more ephemeral each year as it loses its hardihood and its fragrance, and gains nothing in beauty?

Admitting that it grows larger, size alone is not beauty, and bulk at the sacrifice of natural charms does not hold the affection of the people. Might it not be well to consider what qualities are most essential to the pleasures of the consumer, without which all efforts are in vain.

Color we have and, from a decorative point of view, no flowers offer more. If given proper treatment one can obtain from the most gorgeous to the softest of tones, and now is perhaps the best time to make the one exception. We need yellow, now come to its own in popularity and deservedly so, as no color diffuses more warmth and nature uses it profusely.

One essential feature to a more general use of the flower is naturalness. One cannot obtain a very artistic arrangement without more natural environment, hence the obvious need of Carnation foliage, with which the flower, for a table decoration (perhaps its greatest use other than for memorial purposes), would be incalculably enhanced, also for personal adornment and for favors.

A full bouquet, with its warmth of color relieved by a touch of foliage, makes an adornment any lady would be pleased to accept and proudly wear.

Simplicity is the keynote of art. Be it in music, painting, sculpture, architecture or any other branch, and its highest expression is faithfulness to Nature as she reveals herself.

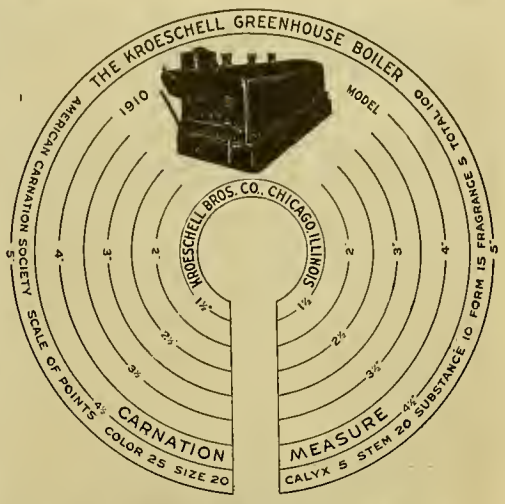
Where are the monster Chrysanthemums which were a fad some years since? They have been replaced by the smaller and more natural ones, these having more uses.

What Rose has won favor more than the semi-single, fragrant, hardy ones? The American Beauty, a notable exception, not for the beauty of its color so much as for its fragrance and, especially, its endurance.

Carnation "Sensation"

As described by the originator, Chas. Black of Hightstown, N. J.; Carnation Sensation, a dark pink, originated with him nine years ago. "Although we have tried a number of the new comers as they were put on the market this stands without a rival for us, all things considered. Being planted late (middle of September) the stems are not as long as they should be. Has had no feeding since planting. Always in heavy crop from time of planting until thrown out in July. While the flowers are not as large as a number of the Carnations of today, when taking in consideration that it will produce twice as many blooms per square foot as any of the Lawson family, and after standing the test for nine years, it is still in vigorous health; it will beat most of the $10 per 100 kinds for 'bread and butter.' After all, this is the practical side of the business. We are not in the cutting business and never disseminated it."

[Unfortunately the blooms sent us arrived at a time when it was impossible to photograph them.]



Setting a New Mark for Carnation Blooms

Including a Prize Inducement

Referring to the new Carnation measure which we are just getting ready to offer the growers of the country.

Several years ago the writer circulated among the florists of the country the Kroeschell Carnation Measure, which is so well known. This measure was four inches in diameter. At that time there was no Carnation that would entirely cover the measure, and when asked why the measure was made so large, he stated: "I want to set a mark for the growers to work to, and I am sure that many will make the effort which will result in finally covering the disc."

The prediction of the writer has come true; in an issue of your journal following the last Carnation convention, we note a grower showing a photographic reproduction of one of his Carnations completely covering our Carnation measure, and we certainly wish to congratulate that gentleman from the bottom of our heart.

Today we set a new mark. Our new Carnation measure has been increased to five inches in diameter, and while this may seem to be asking a great deal, yet we feel that the growers are moving forward steadily and surely, and that with this new mark continuously before them, some growers will in time put even this five-inch Carnation measure out of business.

To help the good work along, we offer as a special inducement a prize of $25 in gold, or a beautiful gold medal of equal value, to the grower who exhibits the best dozen of Carnations at either of the following shows, covering the new Carnation measure of five inches in diameter:

National Carnation Show, Pittsburgh, 1910.
Chicago Flower Show, 1910.
National Flower Show, Boston, 1911.
Chicago, Ill. KROESCHELL BROS. CO.

A LONG SERVICE.—Cornelius Medley, who died recently at Romsey, Hants, England, at the age of ninety-one, had been employed in the gardens on the Broadlands Estate for seventy-nine years.

House of Carnation Mrs. Thos. Harvey

Cottage Gardens Co., Inc., Queens, N. Y., Growers and Originators.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By young lady in florist store; thoroughly experienced. Warren, 2159-8th ave., New York City.

SITUATION WANTED—By young general greenhouse and landscape gardener on private or commercial place. Reference. Address, Y. B., care The Florists' Exchange.

SITUATION WANTED—By young German, who can make up; a steady position expected. Address, O. Hanschild, Care of H. Beyer, 501 West 123rd st., New York City.

SITUATION WANTED—A1 designer and decorator wants change of position. Able to manage store. First-class references. Address X. O., care of The Florists' Exchange.

SITUATION WANTED—At once by a young man as assistant, 7 years' experience, sober, willing. Place near New York preferred. Address, Florist, 180 West Broadway, New York City.

SITUATION WANTED — By all-around hand in greenhouses; steady position expected; sober;; good references. L. Geh, Hesse's Printery, 249 Hamburg ave., Brooklyn, N. Y.

SITUATION WANTED—Competent rose-grower wants to take care of section. State if private or commercial place and wages. Eastern city preferred. Address X. C., care of The Florists' Exchange.

SITUATION WANTED—As head gardener on gentleman's place; 15 years' experience in all kinds of greenhouse and outdoor work. Best of references. Address, Y. P., care of The Florists' Exchange.

SITUATION WANTED—By grower of prize Roses, Carnations, 'Mums, etc., on commercial place; store preferred; can make up and sell; single; good references. Address, Box 204, Lake George, N. Y.

SITUATION WANTED—By first-class gardener and florist with 20 years' experience in greenhouse and landscape work. Address, Y. A., care of The Florists' Exchange.

SITUATION WANTED—By man with experience in the seed business; both in the growing and retail branches of the business. Address, Y. M., care of The Florists' Exchange.

SITUATION WANTED—By florist, thoroughly experienced, wholesale or retail, strictly sober, can furnish best of references. Address, Y. O., care of The Florists' Exchange.

SITUATION WANTED—By expert landscaper; can carry out all architects' plans; good manager of men; first-class references as to ability; would go anywhere. Address, Landscape, care of The Florists' Exchange.

SITUATION WANTED—As foreman or manager on commercial place; growing for store trade or wholesale; best of references as to character and ability. Wages $1200.00 per year and house. Address, X. F., care of The Florists' Exchange.

SITUATION WANTED—By practical man as head gardener, experienced in flower and kitchen garden, trees, shrubs, lawns, greenhouses, etc.; aged 38, married, one child. References. Address, Y. G., care of The Florists' Exchange.

SITUATION WANTED — By seedsman, young man, single, twelve years' experience; good knowledge of flower, garden seeds and bulbs; willing to travel or work inside. Address, Seedsman care of The Florists' Exchange.

SITUATION WANTED—By first-class, young married Hollander, no children; four years' American references and ten years' experience in different countries in Europe and East Indies; private situation preferred; experienced in landscape gardening and managing a private estate, also capable to manage an ornamental nursery. Eastern states preferred. Age 30. Address, X. H., care of The Florists' Exchange.

SITUATIONS WANTED

SITUATION WANTED—By gardener and florist, single, Swede, aged 35, good grower of Roses, Carnations, Chrysanthemums, Easter and bedding stock. Private place preferred. Address, E. Carlson, Irvington-on-Hudson, N. Y.

SITUATION WANTED—By a young man, 26 years of age, full experience in cut flowers, Roses, pot plants and gardening work for inside or outside work; willing worker; best references. Address, Herman, 327 E. 9th st., New York City.

SITUATION WANTED—By a German, 40, married, as manager or foreman; good grower of cut flowers and potted plants; Easter and Christmas stock; designer. Best of references. New York or Boston neighborhood preferred. Address, Y. L., care of The Florists' Exchange.

SITUATION WANTED—Gardener, single, 36 years of age, 20 years' experience in greenhouses and outdoor work, wishes position on private place; able to take charge; good references. Please state full particulars. Address, S. C., care of The Florists' Exchange.

SITUATION WANTED—As manager for gentleman's place, public institution, park, cemetery, etc.; practical experience in all branches. References first-class. Address with particulars to C. L., care Joseph Linfoot, 1015 East McMillan Street, Cincinnati, O.

SITUATION WANTED—By experienced grower of Roses, Carnations, 'Mums and pot plants on private place. Thoroughly understands outside work. American, married, age 34, one child. Good wages expected. Best of references. New York or New Jersey preferred. Address, Private, care of The Florists' Exchange.

SITUATION WANTED—By landscape gardener and engineer, absolutely perfect and reliable in modern and artistic landscape work of any description, also drawing plans; can take full charge of landscape work. 28 years of age, single and well recommended by architects. Address, Y. F., care of The Florists' Exchange.

SITUATION WANTED—By a German, experienced in Carnations, Chrysanthemums, pot and bedding plants, also vegetables under glass; good designer and decorator; thoroughly familiar with handling help. None other than large private place considered and position must be permanent. A. No. 1 references furnished. Address W. F., care The Florists' Echange.

SITUATION WANTED—As foreman or manager in a commercial establishment by a man of unquestioned ability and who has had years of experience in the growing and selling of all greenhouse products; Roses, Carnations and Chrysanthemums a specialty; also Christmas and Easter plants and flowers; good on floral designs and the arrangement of flowers for all occasions; understands the management of help. A position of responsibility desired. Address, Livingston, care of The Florists' Exchange.

HELP WANTED

WANTED—Single, American man for general greenhouse work; potting, watering, etc. Joseph Wood, Spring Valley, N. Y.

WANTED—Good solicitor for forestry work on commission basis; soher; state experience. Write Box 97, Jersey City, N. J.

WANTED—Engineer or fireman for night duty. Apply, with references, to Frank Dolan, care John Young Co., Bedford Sta., N. Y.

WANTED—At once, an assistant who is well experienced in the growing of Carnations. Greenhouses on Long Island. Address, Y. E., care The Florists' Exchange.

WANTED—Immediately, two Rose growers. Apply, with references, to John Young, 110 West 34th st., Room 806, New York City.

WANTED—Two assistant Rose growers in American Beauty houses. Apply, with references, to Frank Dolan, care John Young Co., Bedford Sta., N. Y.

WANTED—Young man for general greenhouse work; state experience and wages required. Permanent place, near New York. Address, X. N., care of The Florists' Exchange.

WANTED—Two gardeners, some experience in ornamental nursery stock, herbaceous plants and landscape work desired. Yonkers Nursery Company, Tuckahoe & Grassy Sprain Road, Yonkers, N. Y.

WANTED—Day fireman (married) for steam boilers; must be handy with tools. Permanent position for a good man. State references and particulars with wages wanted. Address, Y. D., care of The Florists' Exchange.

WANTED—Immediately, a man to take charge of retail floral department; must be familiar and competent to make design work and decorations. One who is also familiar with the general seed business, preferred. Salary $75.00 per month to start. Best chance for right party for advancement; send references and full particulars. Address, Y. Q., care of The Florists' Exchange.

HELP WANTED

WANTED—A first-class Rose grower, one who can handle Killarney and Richmond Roses. Must be A1 man, capable of taking complete charge of Rose houses and one who can produce the stock. Address Rose Grower care of The Florists' Exchange.

WANTED—Nursery man, all around man, familiar with Evergreens, Shrubs, Shade and Ornamental Trees, and capable of handling men. State experience and salary expected. Address, Oak Park Nurseries, Patchogue, L. I., N. Y.

WANTED—A good all-round man in commercial place; central New York, about 15,000 feet of glass. One who can take charge if necessary. Address with references and wages wanted, X. K., care of The Florists' Exchange.

WANTED—Experienced landscape man to work in our city department; one who is capable of planting nursery stock, and able to work other men. Must be a salesman. Only first-class man need apply. State wages. Address, The Livingston Seed Company, Columbus, O.

WANTED—First-class salesman for nursery stock for private estates and landscape work. Must understand nursery stock thoroughly and have some knowledge of landscape gardening. Must have A No. 1 reference. Address, W. D., care The Florists' Exchange.

WANTED—Married foreman for commercial place, about 75,000 feet of glass—Roses, Carnations and Chrysanthemums. None but thoroughly experienced men in these lines with good references need apply. State particulars with wages wanted. Address, Y. E., care The Florists' Exchange.

WANTED—Thoroughly experienced man to take charge of our greenhouse and nursery department, who has had considerable business experience, and is able to handle 20 to 30 men. Must know all about greenhouse work, and considerable about growing nursery stock. A good position for the right party. Only first-class man need answer. State wages wanted, if married or single. Address The Livingston Seed Company, Columbus, O.

Fernwood Nursery

WANTED—A nursery salesman; must have A No. 1 refereces and have knowledge of landscape work and be familiar with the variety and value of all Evergreens. Apply by mail to the

FERNWOOD NURSERY, Stamford, Conn.

New York Office: 50 W. 30th St.

Please mention the Exchange when writing.

STOCK FOR SALE

ASPARAGUS

ASPARAGUS PLUMOSA PLANTS
2¼-inch .....$3.00 per 100
4-inch ..... 6.00 per 100
S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia, Pa.

ASPARAGUS PLUMOSA NANUS SEED
$4.00 per 1000 seeds.
3.50 per 1000 seeds, in lots of 10,000.
Sprengeri, per 1000 seeds $1.00.
S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia, Pa.

STOCK FOR SALE

FOR SALE OR EXCHANGE—Asparagus Plumosus extra fine stock out of 4-in. fern pots at $12.00 per 100, would exchange for rooted or unrooted Carnations, Viola Sinclair, May Day or Pink Delight. Quality is our hobby. W. C. Hill Floral Co., Streator, Ill.

CHRYSANTHEMUMS

CHRYSANTHEMUM STOCK PLANTS—Golden Glow, Pacific Supreme, White Cloud, October Frost, Early Snow, White Ivory, White Bonnaffon, 3c.; Merry Christmas and Dr. Enguehard, 4c.; Gloria, 10c. Stafford Floral Company, Stafford Springs, Conn.

ROOTED CUTTINGS OF FOLLOWING 'MUMS READY FROM JAN. 25 ON: GOLDEN GLOW, OCTOBER FROST, ROSIERE, MINNIE BAILEY, MONROVIA, etc., at 50c. per doz.; $2.00 per 100. No less than 50 at 100 rate. I. M. RAYNER, Greenport, N. Y.

STOCK FOR SALE — Chrysanthemums, rooted cuttings, Estelle, Desjonis, Poehlmann, Golden Glow, Monrovia, Pacific Supreme, Enguehard, Nonin, $1.00 per 100, $10.00 per 1000. Hardy Pinks, Pansies, Geraniums, Carnations, Boston Market, $1.00 per 100 list. Edward Wallis, Atco, N. J.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Use our columns when having extra stock to dispose of.

STOCK FOR SALE

CARNATIONS

CARNATIONS—Apple Blossom and Wanoka; strong rooted cuttings. Delivery, January 1. Wanoka Greenhouses, Barneveld, N. Y.

WINSOR CARNATIONS
Strong, Clean, Well-rooted Cuttings
$3.00 per 100
25.00 per 1000
We will exchange 1000 well-rooted Winsor, for 1000 well-rooted White Enchantress.
VALLEY VIEW GREENHOUSES,
Velie Bros., Props. Marlborough, N. Y.

CARNATION CUTTINGS.
Strong, clean and well rooted.

STANDARD VARIETIES

	Per 100	1000
Enchantress	$3.00	$25.00
Rose Pink Enchantress	3.00	25.00
Winsor	3.00	25.00
Winona	3.00	25.00
Afterglow	3.00	25.00
Lawson	3.00	25.00
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Dorothy Gordon	10.00	75.00
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May Day	6.00	50.00
Georgia	6.00	50.00
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S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia Pa.

MISCELLANEOUS

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices. George Peters & Sons, Hempstead, N. Y.

STOCK FOR SALE—Geraniums S. A. Nutt and Double Lobelia, 2-in., $2.00 per 100, Rooted Cuttings, Double Lobelia, Salvia, Zurich, German Ivy Ageratums, Gurney and Cuphea, 75c. per 100. Cash with order. F. A. Ezold, Haddam, Conn.

BEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2¼-in. pots, $12.00 per 100, $110.00 per 1000. Bay and Box Trees, in all sizes, pyramid and standards. Write for list. Orchids, largest stock in the country. Ask for prices. Julius Roehrs Company, Rutherford, N. J.

FERNS AND ASPARAGUS
Boston, 3, 4 6 in. at 8c., 12c., and 35c.
Piersoni, 3, 4, 6 in. at 8c., 16c., and 40c.
Whitmani, 3, 4, 6 in. at 10c., 20c., and 50c.
Sprengeri, 2, 3, 4, 5 in., at 2c., 3c., 6c. and 12c.
Smilax, 3 in., 3c.
GEO. M. TODD, GREENSBORO, N. C.

STOCK FOR SALE—1400 Chinese Primroses, 4-in., large plants, full of buds and blooms, mixed colors, double and single, $7.50 per 100; 3000 Primula obconica, 4-in., large plants, mixed colors, full of blooms; fine stock for Easter, $5.00 per 100. Try them. Address, Alonzo J. Bryan, Washington, New Jersey.

AMOOR RIVER PRIVET—Great Bargain. This is fine, 2-year stock.
5-6 ft., $4.50 per 100, $40.00 per 1000.
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3-4 ft. $3.50 per 100, $30.00 per 1000.
Also 1-year stock.
2-3 ft. $2.50 per 100, $20.00 per 1000.
1-2 ft., $2.00 per 100, $15.00 per 1000.
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STOCK FOR SALE—Hydrangea Arborescens grandiflora alba. The true large flowering forcing variety, warranted true 2¼-inch pots at $3.00 per hundred, one year field grown strong 12 to 18 inches, $6.00 per hundred, $55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

ROSES EXTRA FINE
Two Years, Field Grown
Strictly A1, well rooted, thoroughly ripened by natures cold, fresh dug for each order as received. Prompt shipment, packed light, packed right. Climbers, Testout, Kaiserine, Henriette, W. A. Richardson, 2-4 branches 4 to 6 feet, 10c. Bush varieties: Paul Neyron, Brunner's, Prince Camille de Rohan, Margaret Dickson, Magna Charta, Her Majesty, B. Rothschild, Caroline Testout, La Detroit, Triomphe Pere, Killarney, White La France, Admiral Dewey, Vis. Folkerstone, Prince of Naples, Mme. Chatenay, Bessie Brown, President Carnot, Gruss an Teplitz, 10c. 300 Mme. Plantier, 3 years, 10-16 branches, very fine, 6c. 5000 2 years, 4-6 branches, 3 ft., 3c. Amoor Privet, 3 ft. 2c. Jesse Ellis, Griffin, Ga.

(Continued on next page.)

STOCK FOR SALE

MISCELLANEOUS

NURSERY STOCK—Elm, 8-4 feet, $3.50 per 100; 4-6 feet, $6.00; 6-8 feet, $12.00; 8-10 feet, $18.00. Ash, 6-8 feet, $12.00 per 100; 8-10 feet, $18.00 per 100. Maple (Soft), 3-4 feet, $3.50 per 100; 4-6 feet, $6.00 6-8 feet, $10.00; 8-10 feet, $18.00. Catalpa, 4-6 feet, $6.00 per 100; 6-8 feet, $10.00. White Birch, 8-10 feet, $28.00 per 100; 10-12 feet, $36.00. Wild Black Cherry, 8-10 feet, $28.00 per 100. Silver Leaf Poplar, 6-8 feet, $16.00 per 100; 8-10 feet, $25.00. Niobe Weeping Willow, 6-6 feet, $35.00; 8-10 feet, $40.00. German Iris, strong divisions, $3.00 per 100. Chrysanthemum Uliginosum, $3.00 per 100. Rudbeckia, Golden Glow, $3.00 per 100. Asparagus, two kinds, 1 yr., $3.00 per 100; 2 yr., $3.50 per 100. Paeonies, mixed, 8-6 eye divisions, $5.00 per 100. Paeonies, white, 3-6 eye divisions, $7.00 per 100. Paeonies, pink, 3-6 eye divisions, $6.00 per 100. Packing extra. The Newburys, Mitchell, S. D.

FOR SALE OR RENT

FOR SALE—Retail florist store and dwelling in Philadelphia's theatre district. Address, X. E., care of The Florists' Exchange.

FOR SALE—Retail florist store (Brooklyn) at reasonable price. No opposition. Good reason for selling. Address, Y. C., care of The Florists' Exchange.

FOR SALE—Cottage, house and barn and three acres of land. Good greenhouses, hen-house, fruit. Easy terms. Box 24, Milldale, Conn.

FOR SALE OR RENT—10,000 ft. of glass in No. 1 condition; also dwelling house. Houses are stocked with Carnations, Roses and potted plants. Steam heat. For information, inquire of W. D. Snell, Herkimer, N. Y.

FOR SALE OR RENT—Seven greenhouses stocked with Roses, Brides and Maids, in A1 condition. Two 18x150; one 33x162; four 12x150. Rent reasonable or price right. Inquire of Mrs. J. M. Lyons, 50 Park ave., Madison, N. J.

FOR SALE—Florists store, large tiled windows, elegant ice house and fixtures; prominent corner in Brooklyn, N. Y.; conservatory, 25x40 feet; store and greenhouse heated with hot water; price $1,800.00, long lease, very low rent. Address, Y. R., care of The Florists' Exchange.

FOR SALE—Cemetery gardening business house 20x41; store and 4 living rooms; ground 50x100; improvements; good greenhouse, hot water heating, stock, tools and about 200 lots to care for. Price of whole can be made in one year. Inquire of Owner, 595 11th st., West New York, N. J. 20 minutes from West Shore Depot.

FOR SALE
STORE AND RETAIL BUSINESS IN ROCHESTER, N. Y.

Store located on one of the busiest thoroughfares of this city, connected with a hotel and directly opposite the largest and finest hotel between New York and Buffalo, also within stone's throw of two of the best theatres in town. Excellent opportunity. Ill health reason for selling. For further particulars, address, GEORGE B. HART, 24 Stone St., Rochester, N. Y.

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Store and Retail Business

A fully equipped and only store in town of 15,000 in New York State, the entire good will and an established business for more than 15 years. Business now $8,000 to $10,000 per year and can be much increased by a good, live man. On account of poor health am willing to sell at a sacrifice and $3000 will buy it. If you mean business, address,

C. B. F., Care The Florists' Exchange

Please mention the Exchange when writing.

For Sale

WESTERN NURSERY

Forty acres of deeded and 40 acres of leased land. Stock all salable size; clean and healthy; not a scale or bug. Trade has almost doubled each year. We ship 5 to 12 hundred miles west and north of us. Trade to be supplied unlimited. We have a complete general line of nursery stock. We do a strict catalog business. Are well advertised and have a good name.

Will sell for cash, or part cash and time on balance to a man that knows the business and is a pusher. This is a good sound investment and will pay a good dividend.

Address

NURSERYMAN,

Care of THE FLORISTS' EXCHANGE

Please mention the Exchange when writing.

SUNDRIES FOR SALE

STOCK FOR SALE—A block of five shares in the A. T. De La Mare Ptg. & Pub. Co. Ltd., (publishers of The Florists' Exchange) is offered for sale at par $50 per share. For further particulars address, Y. K., care of this office.

FOR SALE—Three greenhouses at No. 416 Elm Street, Pittsfield, Mass. Glazed with 16x24 A double thick glass; heated with one large 8-section Furman boiler, 2-in. pipe. The drip bars and other material are all of Cypress—just like new. We will sell all or any part of same. Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

FOR SALE—600 boxes 12x20 and 12x16 double thick glass; lot hotbed sash, 15,000 feet of 1-in., 5000 feet of 2-in. and 1½-in., 4000 feet 4-in. Hitchings pipe; 1400 feet ventilating apparatus; 2 Erie locomotive boilers, one No. 6 Lord & Burnham and one No. 17 Hitchings, 2 years old; everything in first-class condition; 10 greenhouses, 20 x 110; complete or in single lots, very cheap. Inspect S. C. Nash Roseries, Clifton, N. J., or inquire Suessermann, 229 Livingston Street, Newark, N. J.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED—To lease, greenhouse establishment in good retail location; houses must be in good condition. Full particulars in first letter. Address, Y. H., care The Florists' Exchange.

WANTED—15,000 to 20,000 feet of glass with dwelling near New York, Boston or Philadelphia; must be in good condition and suitable for growing Roses. Address, Y. I., care The Florists' Exchange.

WANTED—Contracts to grow all kinds of vegetable plants, transplanted or not; also Geraniums, Coleus, Cannas, Salvias, Verbenas, Pansies, etc., for Spring delivery. A1 stock only. Correspondence solicited. Address Alonzo J. Bryan, Wholesale Florist, Washington, New Jersey.

ASPARAGUS PLUMOSUS
From 3-in. pots, $5.00 per 100; from 2¼-in. pots, $3.00 per 100.

MAMMOTH VERBENAS, Rooted Cuttings; $1.00 per 100, $8.00 per 1000.

ASPARAGUS SPRENGERI
From 3-in. pots, $5.00 per 100.

DRACAENA INDIVISA
4-in., $15.00 per 100; 5-in., $20.00 per 100.

MISCELLANEOUS

ABUTILON Savitzi, 2¼-in. pots, $3.00 per 100.
AMPELOPSIS Veitchii. Pot grown, $3.00 per 100 and $6.00 per 100 (two sizes).
ACHYRANTHES. Best varieties, $1.00 per 100, $8.00 per 1000.
AGERATUM. Blue and white, $1.00 per 100, $8.00 per 1000.
CANNAS, Dormant Tubers, $2.00 and $3.00 per 100.
CARNATIONS: From pots and Rooted Cuttings; send for catalogue for varieties and prices.
CHRYSANTHEMUMS, 60 fine varieties. Rooted Cuttings, $1.50 and $2.00 per 100.
COLEUS. Bedding and fancy varieties, $1.00 per 100, $8.00 per 1000.
CUPHEA platycentra. $1.25 per 100.
BEGONIA Erfordi. Pink and white, $2.00 per 100; Crimson Bedder, $2.00 per 100.
FEVERFEW, The Gem. $1.50 per 100, $12.00 per 1000.
FORGET-ME-NOT, $1.50 per 100.
FUCHSIAS. Double and single, $2.00 per 100.
GERANIUMS. Double and single, $1.50 per 100; $14.00 per 1000.
GERANIUMS, Ivy-leaved, 2¼-in. pots, $3.00 per 100.
GERMAN IVY. $1.50 per 100.
HELIOTROPE. 8 best varieties, $1.25 per 100, $10.00 per 1000.
LANTANAS, 2¼-in. pots, $3.00 per 100.
LOBELIA. New double blue, $2.00 per 100.
MOONFLOWER (True). White, $2.00 per 100; $15.00 per 1000.
SALVIA. New varieties, $1.50 per 100; $12.00 per 1000. Splendens and Clara Bedman, $1.25 per 100; $10.00 per 1000.

WOOD BROTHERS, FISHKILL, NEW YORK

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

GERANIUMS

Strong healthy plants, ready for a shift from 2¼-in. pots.

A. Ricard, Beauty Poitevine, Hill, J. Viaud, $2.50 per 100, $24.00 per 1000.

Nutt and Grant, $2.00 per 100, $18.00 per 1000.

CANNA ROOTS. Souv. d'A. Crozy, Egandale, Queen Charlotte, A. Bouvier, at $2.00 per 100, $18.00 per 1000.

Cash please.

JAMES AMBACHER, West End, N. J.

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THE AMERICAN CARNATION

Price, $3.50

A. T. DE LA MARE PTG. & PUB. CO. LTD.

We Pay The Freight on cut-flower and design boxes. See our price list on page 181, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.
Box 200 - - - Castorland, N.Y.

Please mention the Exchange when writing.

FOR SALE

FLORISTS' ICE BOX 8 ft. x 8 ft., two upper doors, bevelled French mirrors, two lower doors, double thick glass, second-hand but in good condition, $35.00.

RADIATORS Steam, 1½c. per lb.; hot water, 2c. per lb. Guaranteed. All sizes in stock.

BOILERS The following new, round, portable hot-water boilers—guaranteed, 16-in., rated to heat 1,126 sq. ft. of glass, $34.00. 19-in., rated to heat 1,600 sq. ft. of glass, $46.00. 22-in., rated to heat 2,250 sq. ft. of glass, $64.00. 26-in., rated to heat 3,075 sq. ft. of glass, $90.00. Get our prices on second-hand boilers. We have one of the largest stocks of new and second-hand round and sectional hot-water and steam boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

STOCKS AND DIES New; "Economy," guar. No. 1, threads ½, ¾ and 1 in., $2.60. No. 2, threads 1¼, 1½ and 2-in., $4.00. No. 3, New "Armstrong" adjustable, threading 1¼, 1½ and 2-in., $5.25.

PIPE VISES New, guar., hinged, capacity ⅛ to 2½ in., $1.25. No. 2, capacity ¼ to 3½ in., $1.80.

PIPE CUTTERS New, guar. Saunders pat. No. 1, cuts from ⅛ to 1 in., 90c. No. 2, cuts 1 to 2 in., $1.35.

STILLSON WRENCHES New, guar. 18 in., capacity 2 in., $1.20. 24 in., capacity 2½-in., $1.80. Flat chain wrenches, No. 3, capacity ¾ to 6 in., $3.85.

GARDEN HOSE In lengths up to 600 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES. All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. to the box, 8x10, 10x12 and 10x16 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Rooted Carnation Cuttings

	Per 100	Per 1000
Sangamo	$12.00	$100.00
Conquest	12.00	100.00
Mary Tolman	12.00	100.00
White Enchantress	3.00	25.00
White Perfection	3.00	25.00
Enchantress	2.50	20.00
May Day	6.00	50.00
Daybreak Lawson	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Winona	3.00	25.00
Winsor	3.00	25.00
Splendor	3.00	25.00
Alvina	5.00	45 00
Aristocrat	3.00	25.00
Afterglow	3.00	25.00
Lawson-Enchantress	3.00	25.00
O. P. Bassett	6.00	50.00
Victory	3.00	25.00
Beacon	3.00	25.00
Gov. Deneen	5.00	45.00
Andrew Carnegie	3.00	25.00

All stock clean, healthy and well rooted

Guaranteed to be satisfactory in every respect

Chicago Carnation Co., A. T. PYFER, Mgr. **JOLIET, ILL.**

Please mention the Exchange when writing.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — **ALBANY, N. Y.** **11 North Pearl Street**

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Atlanta Floral Co. — **ATLANTA, GEORGIA** **41 Peachtree Street**

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** **124 Tremont Street**

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** **24 Tremont Street**

Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Robt. G. Wilson — **BROOKLYN, N. Y.** **Fulton St. and Greene Ave**

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — **BUFFALO, N. Y.**

W. J. PALMER & SON. 304 Main St.

Hauswirth — **CHICAGO, ILL.** **The Auditorium Florist, 232 Michigan Ave.**

The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

JULIUS BAER, CINCINNATI, O. **Fourth St.**

Frank F. Crump — **COLORADO SPRINGS, COLO.** **Retail Florist**

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

W. G. Matthews — **DAYTON, OHIO** **Florist, 16 West Third Street**

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

The Park Floral Co. — **DENVER, COLORADO** **1706 Broadway**

J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

John Breitmeyer's Sons — **DETROIT, MICH.** **Broadway and Gratiot Ave.**

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

That Yale Restriction on Flowers

In speaking of the decision of the Yale junior class to dispense with flowers at their promenade exercises, the New York World said, in part:

"Assuming that the flowers would have been supplied in part by New York as well as by New Haven florists, the law regulating interstate commerce appears to have been violated. Such action by a Princeton or Cornell class would be bad enough, but occurring as it does at Yale, Harvard's successor as the Administration college, it is flagrant defiance of Mr. Taft's policies. Shall the will of the Chief Executive in the matter of trust regulation be thwarted and his purpose defeated in the very house of his friends?"

These remarks may be taken as serious or as facetious, according to the whim of the reader. But so far as the florists are concerned there is nothing funny about it whatsoever.

Looked upon as a measure adopted with an intent to not hurt the feelings of the poorer students, why not carry the farcical procedure to its fullest limits, and prescribe that no student shall be entitled to tickets until he signs an agreement not only to "omit" flowers but also to "wear clothing, hat and shoes of the humblest description, dispense with gloves, taboo the dress suit, and limit his spending money to one dollar." Then, and only then, will a full measure of equality have been established between the extremes of poverty and riches.

Just why flowers should be singled out as the item on which economy should be practiced must ever remain a puzzle to the man on the outside.

An English Florist's Lecture

Mr. R. H. Felton, of the firm of Felton & Sons, Court florists, Hanover Square, London, recently entertained the Croydon Horticultural Mutual Improvement Society with a lecture and demonstration on floral decorations. Mr. Felton's reputation as a floral artist is universal, and with a keen sense of humor throughout his lecture he kept his audience fully interested during his discourse. The Journal of Horticulture says of his lecture:

"To illustrate the practical part of his work he exhibited a photograph of an overmantel decorated with the common Dog Rose, and truly a beautiful picture it was, so that it exemplified clearly the artistic embellishment which can be acquired with flowers within reach of anyone. Other designs were shown where choicer flowers were used, but even in these the same talent was apparent, for the arrangements of the flowers were such that one concluded at once they were occupying the natural position as when growing. Stereotype design is unknown to him, and his advice was originality as much as possible. Present-day taste accepts anything original, and in this way the true artist's talent can be shown.

"In his demonstration he made a bouquet of Lilies of the Valley, and before a very critical audience he fashioned it worthy of a place in any Court débutante's hand, and what is rarer even was the fact that it was made so that it could be carried without being a source of trouble to the carrier. His experience covers the whole range of floral decorations, illustrations of which he passed round to his audience, and they included receptions, dinner table adornments, the Royal box at the Olympia, Court gatherings, and the floral emblems for those whose memory one cherishes when their labors are over and they take their long rest.

"Mr. Felton never tires in his work; at least he appears not to do so, for although in the midst of a busy decorative season as it is just before Christmas, he was very reluctant to bring his lecture to a close, and the chairman had to remind him of his late train to take him back to London."

Flat Casket Piece
James Beach, Bridgeport, Conn.

Bertermann Bros. Co. — **INDIANAPOLIS, IND.** **241 Massachusetts Ave.**

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — **JACKSONVILLE, FLA.** **20 Laura St.**

We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — **KANSAS CITY, MO.** **1017 Broadway**

I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — **LOUISVILLE, KY.** **644 Fourth Avenue**

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA** **855 St. Catherine St., West**

We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Young & Nugent — **NEW YORK** **42 West 28th Street**

We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** **25 Clinton Avenue, North**

We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark, Florist — **SCRANTON, PA.** **122 and 124 Washington Ave**

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** **20-22-24 West Fifth Street**

We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

Sievers Floral Company — **70 Geary Street** **SAN FRANCISCO, CAL.**

"Choicest of Flowers Always on Hand."

For "Supply" Advertisements see pages 132, 133

All advertisers in this column are provided with Arnold's Florists' Telegraph Code No. 16

The Florists' Exchange Design Book.

Have you seen a copy of this valuable assistant to all who have to do with "make-up" pieces. It is highly recommended by all who have seen it. Third edition now in preparation.

Ribbons for Valentine Day

Samples to select from ready now

TAFFETAS–SATINS–CHIFFONS

Rich-toned brilliant qualities, no jobber can offer you equals at our prices

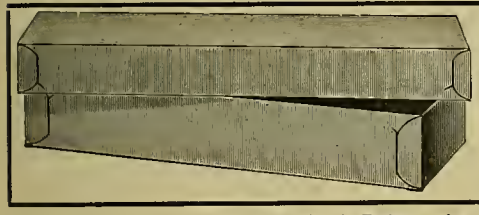
Post card for samples

The Pine Tree Silk Mills Co.

Philadelphia, Pa.

806-808-810 ARCH STREET

Please mention the Exchange when writing.



Cut Flower and Design Boxes

All Sizes, Lowest Prices Write

C. C. Pollworth Co.

MILWAUKEE

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

Dagger and Fancy Ferns, $1.50 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roping made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Moss.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

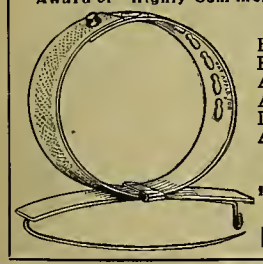
CHRISTMAS GREENS, Holly, Mistletoe, Pine Plumes, Table and Christmas Trees.

All Decorating Material in Season.

Please mention the Exchange when writing.

WILSON'S CORSAGE-BOUQUET HOLDER

Award of "Highly Commended" at the S. A. F. Trade Exhibition at Cincinnati.



Holds Corsage-Bouquets securely and gracefully.
Prevents damage to apparel.
Adjustable to any diameter of bouquet stem.
Adaptable to anything from Violets to Roses.
Does away with Corsage Pins.
A handsomely silver plated article and ornamental in itself.

Samples to the trade, 25c. each, by mail postage paid. By the dozen $3.00, postage paid. Correspondence Solicited.

Address

ROBERT G. WILSON, Fulton St. & Greene Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

FANCY OR DAGGER FERNS, $1.00 per 1000.

GALAX, bronze or green, $1.00 per 1000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. GREEN MOSS, $1.25 per barrel.

Use our LAUREL FESTOONING, for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods.

SMILAX, 50 lb. cases, $6.00.

PINE, 7c. per lb.

Telegraph office: New Salem, Mass. L. D. Phone Connection

Partridge Berries, $2.00 per 1000 or 10c. per bunch of 50 sprays.—Order now. Nice, large bunch of Laurel Branches, 35c. Laurel and Pine wreaths, $2.00 to $3.00 per doz. Boxwood, $12.00 to $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

F. E.—The Best Advertising Medium

Philadelphia

Louis Niemann, 2729 No. 5th st., reports the year 1909 as best ever in his long experience. This store has recently been renovated, window enlarged and part of counter removed, all of which greatly adds to its appearance. Mr. Niemann recently obtained a new delivery wagon, built especially for carrying flowers, and the team is one of the showiest outfits owned by any uptown florist. Funeral work has been excellent since the holidays.

Samuel V. Smith, located east of 11th and Westmoreland sts., at 3323 Goodman st., has some 12,000 sq. ft. of glass devoted to supply needs of his retail trade as well as considerable wholesale business. Mr. Smith has a delivery wagon of which the top is made to represent a greenhouse. A good business has resulted from what was started some years ago as a hobby. Mr. Smith has one greenhouse in which he has built pools of concrete in which he breeds large quantities of fancy goldfish of both rare and common varieties, one is a four color Telescope, showing red, white, blue and black. This place is the only large fish breeding plant in this part of the country, and there are also grown large quantities of aquatic plants.

HACKENSACK, N. J.—The store, known as "Red Towers Florist Shop," was well patronized during the past month, and business has been exceptionally good since last Fall. During the holiday season just passed a good demand was experienced for pot plants of all kinds, especially Poinsettias, more of which could have been disposed of were they obtainable. Boston and other Ferns move well, and the trade in cut flowers has been quite brisk. The store has a fine location, and is within easy access from all parts of Hackensack, being located opposite the railroad depot, on or near the main trolley connections.

American Society of Landscape Architects

At the annual meeting of the American Society of Landscape Architects, held January 12, in the rooms of the Transportation Club, these officers were elected for the coming year: Charles N. Lowrie, New York, president; Warren H. Manning, Boston, vice-president; H. A. Caparn, New York, treasurer, and Charles D. Lay, New York, secretary.

Springfield (O.) Florists' Club

The Club met on the evening of January 10, at the Highland Floral Co.'s greenhouses on South Limestone st., with 35 members present. It was a social session and no business was transacted. A fine spread was prepared for the occasion, which was served in the greenhouses, the tables set among the flowers and presenting a beautiful sight. Everything that is good to eat was there in abundance and a royal good time was enjoyed by all.

During the supper matters of interest were discussed and each one of the members had something to say. A business session will be held in the near future.

Elberon (N. J.) Hort. Society

This Society held a meeting on January 17, President Peter Murray in the chair. This being Carnation night there was a large attendance of members and including several out-of-town members. There was a fine display of Carnations in the room and quite a discussion took place on their culture after the judging was finished. The awards were as follows: Anthony Bauer, first for White Perfection, Peter Murray second; Peter Murray first for pink Enchantress, Peter Ewen second; A. Bauer first for Rose Pink Enchantress; P. Murray first for Winsor, James Kennedy second; J. Kennedy first for Beacon, A. Bauer second; A. Bauer first for Harlowarden; P. Murray first for Var. Lawson. The Cottage Gardens Co. of Queens, L. I., was awarded a certificate of merit for 25 blooms of

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.25	28x8x4	$4.60
18x5x3	2.26	30x6x3½	3.75
24x5x3½	3.00	36x6x5	6.60
21x7x3½	3.26		

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.50
18x18x8	9.00	36x10x6	10.00
20x20x8	10.00	30x12x7	8.50
24x24x8	12.00	28x12x4	6.60
24x18x8, Pillow Box			12.00
20x16x8, Pillow Box			10.00

10% discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.

Box 205 CASTORLAND, N. Y.

New York Office, 20 East 42nd Street

Please mention the Exchange when writing.

THE BOHANNAN VIOLET CLASP

A classy article holding the corsage securely

WHERE TO BUY:—

A. L. RANDALL CO., 19-21 Randolph St., Chicago, Ill.

H. BAYERSDORFER & CO., 1129 Arch St., Philadelphia, Pa.

Please mention the Exchange when writing.

We Manufacture

ICE BOXES

THE LATEST IMPROVED

Also Florists' Novelties

WINDOW BOXES, PLANT TUBS, PEDESTALS GRILL and LATTICE WORK, RIBBON CASES and OTHER FURNITURE

THE ONLY HOUSE MANUFACTURING

Art Wood Novelties

EXCLUSIVELY FOR THE FLORISTS' TRADE

ESTIMATES SUBMITTED

FORSTER MANSFIELD MFG. CO

145 West 28th Street

'Phone 4254 Madison Sq. NEW YORK.

Please mention the Exchange when writing.

Orders by Telegraph

For twenty-five cents, cash, we will forward you a handsomely printed card, worth framing, which you can hang in a conspicuous part of your store, to let your customers know you "fill orders for flowers, plants or floral designs to any point" by telegraph.

A copy of Arnold's Florist's Code, price $2.50, will give you a key for the cipher transmission of orders to any of the advertisers in our "Directory of Reliable Retail Houses." All for sale by

The Florists' Exchange

No. 2 Duane St., N. Y.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Prices Advertised in these Columns are for THE TRADE ONLY

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

Southern Wild Smilax

Now ready for shipment.
Write, wire, or 'phone the introducers.

CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA

Please mention the Exchange when writing.

BRONZE GALAX

I have a large stock on hand, all first-class stuff, and in order to move them quickly, I will make a great reduction in price. Size 2¾ to 3½ in., at $2.90 per case of 10,000, f.o.b. Mt. Airy, N. C. Discount on larger orders. Cash in advance from unknown parties. A few cases by express will show the quality.

G. A. HOLDER, Round Peak, N. C.

Please mention the Exchange when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the Exchange when writing.

KRICK'S
Florist Novelties
Manufacturer and Patentee of
The only genuine IMMORTELLE LETTER on the market
1164-66 Greene Ave., BROOKLYN, N. Y.
For sale by all supply houses.

Please mention the Exchange when writing.

E. A. BEAVEN
EVERGREEN, ALA.
LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

WIRED TOOTHPICKS
10,000, $1.75; 50,000, $7.50
Manufactured by
W. J. COWEE, Berlin, N. Y.
Samples free. For sale by dealers

Please mention the Exchange when writing.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire
IGOE BROTHERS
Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes
63-71 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

MICHIGAN
CUTFLOWER EXCHANGE, Inc.
Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY
962 Mill Street, KENDALLVILLE, IND.

Please mention the Exchange when writing.

'Getsthere Soap Mfg. Co.
Conshohocken, Penna.

Please send us at once the enclosed order of your Getsthere Insecticide Soap. We find this a very satisfactory article for use on plants, and we recommend it highly.

ROBERT CRAIG & CO.,
Philadelphia, Pa.

GETSTHERE SOAP CO.
CONSHOHOCKEN, PA.

Please mention the Exchange when writing.

Mrs. C. W. Ward; the variety was shown in fine form and made quite a hit with the members, as it showed up fine under the artificial light. Alma Ward was also exhibited by the same concern, but unfortunately got damaged in transit, so it could not be judged properly. Charles C. Dewild was awarded a preliminary certificate of merit for a very fine pink seedling. Peter Ewen gained, for a bed seedling, 70 points. James Dowlen was awarded a certificate of culture for a fine pot of red Lawson. ALEX. FLEMING, Rec. Sec.

Baltimore G. and F. Club

The Gardeners and Florists' Club met in their hall at the Florists' Exchange building, Franklin and St. Paul sts., last Friday, Jan. 21, with President J. J. Perry in the chair. The meeting was one of the most largely attended held for quite a long time. Interesting subjects were discussed at a lively rate from 8 o'clock until 11 p. m.

President J. J. Perry introduced to the members Mrs. William M. Ellicott of the Equal Suffrage League, who addressed the club on woman suffrage for nearly one hour; she spoke with every encouragement, asking for support. Her speech touched on many points that the members had never looked into and they were wondering what would be heard next. Those who were unable to attend the meeting certainly missed an interesting talk. Mr. Robert L. Graham made a short address in which he congratulated Mrs. Ellicott upon the manner in which she had presented the question. The club then extended their hearty thanks.

Mr. Richard Vincent, Jr. of White Marsh, Md., was the next speaker; as president of the Maryland State Hort. Society he spoke in behalf of that Association, saying he wanted to make the best history for that Society this year. He has the assurance on every hand and source. It is expected the coming show, next Fall, will be the most successful ever held by the Society in Baltimore, exhibits from far and near will be seen and many catchy decorations will be schemed out.

An invitation was extended to the Club to attend the Society's Summer meeting and outing to be held at the J. G. Harrison Nursery, Berlin, Md., followed by a trip to Ocean City. It is expected many will take advantage of this generous offer.

Considerable interest was taken in the Dorothy Gordon Carnation; some of the growers are starting to grow it.

A committee of five was appointed to work up the Fall and Summer doings of the Maryland State Hort. Society, consisting of Philip Welsh, Isaac H. Moss, C. Seybold, Boone and G. Morrison.

Jas. Hamilton attacked the newspapers for the lack of interest taken by them in the last horticultural show.

The members were asked to invite their brother gardeners and florists to the next meeting, February 14, when a Carnation show will be held. J. L. T.

Dobbs Ferry Horticultural Society

The Dobbs Ferry Hort. Society held a dinner at Prucey's Restaurant on Wednesday, Jan. 19, which was largely attended. An excellent menu was prepared by the restaurant management and the service was all that could be desired. The tables were handsomely decorated with Carnations, Roses, Eupatoriums and some excellent spikes of Mignonette.

President Thomas Lee presided, and after coffee had been passed, introduced Mr. Jos. Dunbar as toastmaster for the evening. His first call was on Mr. J. Smith of Tarrytown Horticultural Society who gave a very able address on the good work being done by horticultural societies in general. Mr. W. Scott was the next speaker, who spoke on the good fellowship existing between Tarrytown and Dobbs Ferry Societies. Mr. J. Scott delivered the real horticultural speech of the evening. Mr. J. Ottis entertained with some of his recitations, such as Kelly's Dream, and others. Mr. F. Walter of Yonkers and Mr. C. Kurkevicz entertained by several selections on the violin. Mr. H. Kastberg, secretary of the Society, gave an insight to the good work of the Society since its existence in the past nine years. Mr. B. Husted, Mr. T. Lee, Mr. P. Clinton and others made some very entertaining remarks. H. HARMS.

Rochester, N. Y.

Generally speaking, trade has been good and the demand for cut flowers brisk with the exception of dark colored Carnations, which have been a glut on the market and almost impossible to move without some sacrifice in the matter of price. However, with McKinley Day coming, there is no reason to fear the continuance of these conditions for the next week or so; besides this, weather conditions have shortened the cut somewhat and by the end of the week the demand will no doubt more than equal the supply.

Roses are in good demand and prices have been first rate, the stock being eagerly sought for. Valley has fallen off in demand to some extent. Violets do not move very well, but with warmer weather will no doubt be in demand again. Bulbous stock is in great call; in fact, orders have to be placed ahead to insure being filled. The severe losses of previous years to the growers are no doubt the cause for this, they not having attempted to grow much of this stock.

Prices for the week as follows: Carnations, white and Enchantress, $2, $2.50, $3; colored, $1.50, $2, $2.50. Roses, $6 to $12; American Beauty, $5, $15, $25, $30, $40. Valley, special, $4 per 100. Violets, 75c. per 100. Narcissus, Trumpet Major, $4 to $5. Tulips, $4. Cattleyas, $50 to $60 per 100. Smilax, $15 per 100. Asparagus 25c. to 50c. per bunch. Sweet Peas, 75c. to $1 per 100.

George T. Boucher is about to move into more commodious quarters, next door to his present location. He will have two fronts, one on Main st., the other on East ave., and when alterations are complete will no doubt have one of the handsomest establishments in the city.

F. W. Vick has left for Pittsburgh to attend the meeting of the American Carnation Society.

At the last general meeting of the Rochester Florists' Association the following committees were appointed to have charge of the arrangements for the convention of the S. A. F. and O. H.:

General Committee: F. W. Vick, chairman; H. B. Stringer, secretary; George T. Boucher, C. W. Crosman, John Dunbar, W. T. Fonda, George B. Hart, W. L. Keller, George J. Keller, E. S. Osborne, William Pirie, Walter Salmon, A. H. Salter, Charles Suhr, L. T. Tickner, A. F. Vick, A. L. Wood, John Livingston, John McKeonen, Edward H. Vick, F. Strezeski, E. Berry, J. O. Pridmore, Thomas Cogger, C. F. Brown, W. H. Dildine, E. R. Fry, W. R. Graves, J. M. Keller, F. J. Keller, F. B. King, C. H. Ogsten, E. F. Rowe, R. G. Salter, F. R. Schlegel, Paul Thomann, C. H. Vick, E. P. Wilson, John H. Hohener, W. T. Logan, Charles Schomberg, R. D. Leutchford, John Condie, John House, Robert Ballantyne, Otto Gresinze.

Sub-Committees — Entertainment: F. W. Vick (chairman), and all the members of the Rochester Florists' Association. Ladies': C. H. Ogsten (chairman), George T. Boucher, E. R. Fry, John House, J. O. Pridmore, W. T. Logan. Finance: W. T. Fonda (chairman), F. B. King, C. W. Crosman. Souvenir Album: C. H. Vick (chairman), E. F. Rowe, W. L. Keller, N. R. Graves, John Dunbar. President's Reception: George B. Hart (chairman), E. S. Osborne, A. H. Salter, Charles F. Brown, John Condie, Robert Ballantyne, R. D. Leutchford, John Livingston. Bowling: A. F. Vick (chairman), Walter Salmon, George J. Keller, John Hohener, J. M. Keller. Decorations: F. J. Keller (chairman), E. P. Wilson, Charles Suhr, William Pirie, C. H. Vick, F. Shrezeski, E. Berry, Thomas Cogger. Music: E. P. Wilson (chairman), R. G. Salter, W. H. Dildine. Shooting: R. G. Salter (chairman), F. R. Schlegel, Paul Thomann, C. H. Vick, John McKeonen. Ball Game: J. M. Keller (chairman), W. H. Dildine, L. T. Tickner, Charles Schomberg, Otto Gresinze. Transportation: E. S. Osborne (chairman), George J. Keller, R. D. Leutchford. Printing, Programs and Press: E. F. Rowe (chairman), George B. Hart, A. L. Wood. Nomination for Superintendent of Trade Exhibit: Charles H. Vick. H. B. S.

DESIGN BOOK

It is handsomely printed on enameled stock, and contains 64 pages, size 9 x 12 inches, with strong paper cover.

Every florist who has to "make up" Designs will receive valuable ideas from its contents, which include nearly Two Hundred Designs, illustrating every variety of order.

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Largest Importers, Exporters, Growers and Hybridists in the world.
SANDER, ST. ALBANS, ENGLAND
and 235 Broadway, Room 1, New York City

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ORCHIDS! ORCHIDS!

A large and attractive lot of established plants; also importations coming, which we offer at advantageous prices.

ORDONEZ BROS., 41 W. 28th St. New York
also Madison, N. J.

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ORCHIDS

We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawrenceana, Gaskelliana, Dowiana and Percivaliana. Write to-day.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

Please mention the Exchange when writing.

ORCHIDS

CATTLEYA Warneri, C. Harrisoniae, C. Gaskelliana, C. Gigas, Hardyana type; DENDROBIUM Phalenopsis, Schroederi; ODONTOGLOSSUM Luteo-purpureum, Sceptrum.

LAGER & HURRELL, Summit, N. J.

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Wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

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Chilwell Nurseries, - Lowdham, Notts.
European Agents for
THE AMERICAN CARNATION

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F. E. — Best Advertising Medium

OUR CATALOGUE

For 1910 has just been mailed our patrons

It is the most complete and comprehensive Catalogue of Chrysanthemums issued

MAILED FREE UPON REQUEST

ELMER D. SMITH & CO., Adrian, Mich.

Please mention the Exchange when writing.

Utica, N. Y.

Mr. Peter Crowe has been on the sick list for the past week, confined to the house. I believe, but is somewhat better. His Roses are looking fine with a good cut on now. A. Croweanum is also in fine crop.

Dr. W. A. Rowlands of Whitesboro left on Sunday for Pittsburgh to attend the Carnation convention; on his way back he will visit New York. He is having a good cut of Carnations at this time.

Chas. F. Seitzer left today for Cooperstown and Otsego Lake for a few days fishing through the ice. He will be the guest of W. H. Wagner, the florist, which is a guarantee of a good time and a good catch, as Wagner is about always sure to get them.

F. J. Baker has a very fine house of Lilies which now looks as though it will be just O. K. for Easter; every thing here looks fine; they are rushing Carnations cuttings of which they have already thousands made. They report Christmas and New Year's trade the best they ever had and are making big preparations for Easter. Funeral trade is good here also.

F. Z. Bauer has the sympathy of the trade; a few weeks ago one of his boilers fell over and put two boilers out of business and, in consequence, his stock was all frozen and is a complete loss. He only bought the Yorkville greenhouses last Fall and it comes very hard on him; he has not yet made up his mind just what he will do.

Robt. Boyce is having a big cut of Carnations at this time; his houses have done splendidly all the season. He is busy getting up stock of Spring plants of which he will have a big quantity.

The next meeting of the Florists' Club will be held at their rooms, Oneida Sq., on Thursday, Feb. 3. It is hoped to have a large meeting. QUIZ.

Cincinnati

"Now they're here and now they're not!"

This would be a good saying to apply to the cut flower business during the past few weeks. For two weeks previous to Jan. 15 cut flowers were quite plentiful, but for the past week we have not been able to get enough stock to fill our orders; in fact, we have been dividing up the best we could with our customers, and at present time this same state of affairs still exists.

We have had only about one day's sunshine in the past month, which accounts very readily for the shortage in cut flowers; as to prices, these are holding up well, and it is very little trouble to sell anything we can get.

This week all eyes are turned toward Pittsburgh, where the American Carnation Society is holding its convention; that it will be a good one goes without saying. Those who are attending from Cincinnati are Messrs. Critchell, Murphy, Peterson and Witterstaetter.

The arrangements which the Pittsburgh brethren have made for the entertainment of their guests are, without doubt, all and more than can be expected. As to the grade of stock which will be exhibited, owing to the very bad weather, I have my doubts whether it will be quite up to the standard.

At this writing the Ohio river is causing some uneasiness; it is reported today that 48 ft. 5 ins. will probably be the extent of the rise, but this will do a great amount of damage to the florists and gardeners in the Mill Creek Valley.

The bowlers of the Cincinnati Florists' Society held their little special meeting on the 17th, about 26 members being present; this move seems to be a good one and will create more sociability among the craft. E. G. GILLETT.

6 CHRYSANTHEMUM NOVELTIES FOR 1910 6

THE BIG SIX

Mr. H. Stevens, Gladys Blackburn, W. Mease, Hetty Wells, R.H. Fulton, Wells' Late Pink; besides several others.

Large stock of Indoor Grape Vines, 1 and 2 years old. Roses, Carnations, etc. Send for list.

SCOTT BROS

Elmsford Nurseries

ELMSFORD, N. Y.

6 6

Please mention the Exchange when writing.

St. Louis

We had with us last week quite a few visitors; among them were Fred Lempke representing W. W. Barnard Co., Chicago; J. White, representing R. Ward & Co., New York; Mr. Frank Farney, in his wide-awake automobile, representing M. Rice & Co., Philadelphia; and A. Kalisch representing H. Gunther, New York; all report a splendid business since taking the road this year.

The neighboring visitors were J. F. Ammann of Edwardsville; Adolph Fehr, Belleville, Ill.; and Henry Johann of Collinsville, Ill.

Henry Lohrenz, proprietor of the Park Floral Co., was taken to a sanitarium last week, on his doctor's advice, who fears his mind is affected; his wife will continue the business. The trade hopes that Henry will come around soon as sound as ever.

H. C. Irish, who has been in Chicago attending the meeting of the National Council of Horticulture, has returned home much pleased with his trip; Mr. Irish is secretary of the Council.

C. Young & Sons Co. say they are much pleased with their trade since the first of the year; they are making preparations to handle a big Spring seed trade; their new Spring catalog is being mailed out.

The florist bowlers had a good time Monday night and there was quite a large attendance of young bowlers. Will Smith, the secretary, says that any florist wishing to bowl can call any Monday night at the alleys, corner Sarah and Delmar aves., and he will assure him a good time.

Miss M. Meinhardt, president of the Ladies' Society of the S. A. F., is on a two weeks' visit to her friend, Mrs. W. J. Vesey, at Fort Wayne, Ind.

A kick from an unexpected quarter. "The West End," came in the shape of a leading retailer who says we should organize a Retailers' Protective Society, to keep "Red Violets" out of the wholesale districts; they are becoming too plentiful.

The Michel Plant & Bulb Co.'s bankrupt sale took place on Monday, Jan. 17, at 10 o'clock, and there was a good attendance of florists. The place was sold in a bulk to Jules Bourdet for $4500, the purchaser to assume a debt of $6000, making in all, $10,500; it is said Mr. Bourdet bought it for one of our leading retailers who furnished the money.

The St. Louis Hort. Society held its annual meeting on Thursday night, Jan. 20, at the Grand ave. Masonic Temple Building. The election of officers resulted in the re-election of the old officers and the executive board. The Executive Board will hold a meeting some time this month and decide as to a Spring flower show for the month of March. ST. PATRICK.

PALMS And Other Seasonable Stock

We have an extra good stock of Forsteriana, made up, three plants in a pot or tub, all clean, perfect plants. (We need to reduce our Palm stock, and are giving extra values.

7 in. pots, 3 plants in a pot, 40 to 44 in. high, $4.00 each
8 " 3 " " 44 to 48 " 5.00 "

Single plants Kentia Forsteriana,
7 in. pots, 6 to 7 leaves, 36 to 40 in high, $2.50 each
8 " 6 to 7 " 40 to 44 " 3.50 "

(Full line of sizes of both Forsteriana and Belmoreana in Price List No. 5, just out. Send for it, if you do not receive it.)

Genista Racemosa, 5 in. pot plants, bushy, $3.50 per doz., $25.00 per 100.

Rhododendrons, 18 in. plants with 8 to 12 buds, $9.00 per doz.
" " 24 " " 12 to 15 " 12.00 "

Azalea Mollis, 12 to 15 in. high, full of buds, $30.00 per 100.
" " 15 to 18 " very bushy, full of buds, $35.00 per 100.

Bougainvillea Glabra Sanderiana, 5 in., well shaped, bushy plants, $3.00 per doz.

Asparagus Sprengeri, 2 in., $2.50 per 100, $20.00 per 1000.

Boxwood, fine bush-plants, 12 in. high, $3.00 per doz., $20.00 per 100.

Fuchsias, assorted in 6 best varieties, $3.00 per 100, $25.00 per 1000. Little Beauty, $4.00 per 100, $35.00 per 1000.

THE STORRS & HARRISON CO., PAINESVILLE OHIO

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PALMS! Especially strong plants ready for shifting
Kentia Belmoreana, in 2½-in. pots, $9.00 per 100, $85.00 per 1000
Areca Lutescens, in 2½-in. pots, $7.00 per 100, $65.00 per 1000

JACKSON & PERKINS CO., Newark, (Near Rochester) New York

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Bay Trees, Box Trees, Evergreens, Palms, Crotons and Stove Plants

Ferns, Aspidistras, Araucarias,
PHOENIX CANARIENSIS

Large Oleanders and many other plants

JULIUS ROEHRS CO.
RUTHERFORD, N. J.

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CYCLAMEN

Splendens Giganteum Hybrids.

The strain which I offer is unsurpassable. A fine lot of plants in bud and bloom in five colors, from 4-in. pots, $15.00; from 5 in. pots, $20.00 per 100. August Seedlings twice transplanted from flats first-class stock, $3.00 per 100, $25.00 per 1000.

GERANIUMS

Standard varieties, strong plants, from 2½-in. pots, $2.50 per 100, $22.00 per 1000.

CANNAS

Standard varieties strong healthy tubers, 2-3 eyes, $1.75 per 100, $15.00 per 1000.

Satisfaction Guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Please mention the Exchange when writing.

Snow White Sport of Helen Frick

CHRYSANTHEMUM

Special certificate of merit at Maryland Horticultural Society last week.

Stock plants for immediate delivery.

Large plants, $3.00 per doz.
Small plants, 2.00 per doz.

CARNATION ALVINA, the only dark pink Carnation, $5.00 per 100; $45.00 per 1000.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

PETUNIA DOUBLE

10 kinds, 2 in., 2c.

Smilax, 2-in., $1.25 per 100.

Abutilons, 3 kinds, 2-in., 2½c.

Lantana, asetd., 2-in., 2c.

PRIMULA

Primula Obconica and Chinese, 4-in. in bloom, 8c.

Cuphea, 2-in., 1½c.

Poinsettia, stock plants, 5c.

Geraniums, Double Grant, etc., 2-in., $2.00 per 100.

Coleus, 10 kinds; Ageratum, 3 kinds; 2-in., $1.50 per 100.

Rooted Cuttings, prepaid per 100. Heliotrope, $1.00; Fuchsia, 8 kinds, $1.00; Paris Daisy, yellow, white, $1.00; Cuphea, 75c. Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, 3 kinds, 50c.; Ageratum, 3 kinds, 60c.; Swainsona alba, $1.00; Dbl. Petunias, 10 kinds, $1.00. Feverfew, Gem, $1. Flowering Begonia, 8 kinds, $1.25; Salvia, 90c. Cash with order.

BYER BROS., Chambersburg, Pa.

Please mention the Exchange when writing.

CHRYSANTHEMUMS Stock Plants. Mrs. Kalb, Estelle, White Bonnaffon, Alice Byron, Angele Laurent, Desjouis, Glory of Pacific, Maude Dean, Pink Ivory, Rosette, Amorita, Major Bonnaffon, Cremo, Halliday, Yellow Jones, Golden Glow, Baby, 50c. per doz.; $4.00 per 100. Golden Eagle and Baby Margaret, $1.50 per doz.; $10.00 per 100.

WILLIAM SWAYNE, P. O. Box 215 Kennett Square, Pa.

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F. E. Best Advertising Medium—Alive and Up-to-date

Japanese Maples

Splendid stock to force into growth for Easter sales.

These handsome **Japanese Maples,** with their rich colored foliage, make excellent pot plants and meet with ready sales at Easter.

We have an exceptionally fine lot of 6-inch, pot grown plants in the following varieties:

Polymorphum Atropurpureum. Splendid purplish-red foliage, deeply cut; 18 to 24 inches high.

Polymorphum Atropurpureum Dissectum. Reddish purple, very deeply cut and divided foliage; 18 to 24 inches high.

Japonicum Aureum. Heavy bright golden yellow foliage; 15 to 18 inches high.

$1.00 each; $10.00 per dozen; $75.00 per 100.

HENRY A. DREER
714 Chestnut St. PHILADELPHIA, PA.
The above prices are intended for the trade only.

Please mention the Exchange when writing.

We offer our immense stock of Flowering and Decorative Plants at most Reasonable Prices

PANDANUS Veitchii. 5-inch, 60c. each, $6.00 per doz.; better, 6-in., 75c. each, $9.00 per doz.; 6-in., $1.00 and $1.25 each; 7-in., $1.50 and $2.00 each.

ASPIDISTRA Variegated. 5½-in., 75c. each; 6-inch, $1.00 each; 7-in., $1.50 each.

ARAUCARIA excelsa. 5½ and 6-in., $9.00 per doz.; 6-in., larger, $12.00 per doz.; 6½-in., $15.00 per doz.; 7-in., $2.00 each. **glauca.** 6-in., $1.00 each, 6½-in., $1.50 each.

BOXWOOD, Pyramids. Fine shapes, from $3.00 to $10.00 a pair.

BOXWOOD, Standards. $2.00, $3.00 and $4.00 a pair.

FERNS, Boston, Piersoni, Whitmani, Scholzeli, Scottii, in all sizes; 7-in. pans, $1.00; 8-in., $1.50; 9-in., $2.00 each.

FICUS elastica. Large-leaved, very fine plants. Single, 6 and 6½-in., $6.00, $7.00 and $9.00 per doz. **Branched,** 6½-in., $9.00 per doz; 7-in., $12.00 per doz.; 2 in an 8-in. pot, $18.00 per doz. Combinations, 9 and 10-in. pots, 3 in a pot, $2.60; 4 in a pot, $3.00 each.

PANDANUS utilis. Green. 8-in. pots and tubs, $2.00 each. Very fine.

DRACAENA Massangeana. 6, 6½ and 7-in. pots, $1.00, $1.25 and $1.50 each.
D. striata. New. 6-in. pots, $1.50 each.
D. gracilis. 3½ and 4-in., $2.00 and $4.00 per doz.; 6-in. pots, $1.00 each.
D. Lindeni. 6 and 6½-in. pots, $1.00 and $1.25 each.
D. fragrans. 5½-in., $6.00 per doz.; 6-in., $9.00 and $12.00 per doz.; 7-in., $18.00 per doz.; 8-in., $24.00 per doz.
D. Veitchii superba. 7-in., $1.00 each.
D. indivisa. 4, 4½, 6, 6 and 7-in. pots, $2.00, $3.00, $4.00, $5.00 and $6.00 per doz.

PHOENIX Canariensis. 7, 8, 9 and 10-in. pots, $4.00, $6.00, $10.00 and $12.00 a pair.

PHOENIX Roebelini. 3½-in., $4.00 per doz.; 4-inch, $6.00 per doz.; 4½-inch, $9.00 per doz.; 5½-in., $12.00 per doz.; 6-in., $18.00 per doz.

KENTIA Belmoreana and **Forsteriana.** Combinations, $8.00, $9.00, $10.00, $11.00, $12.00, $13.00, $14.00 each up to $18.00.

RHAPIS humilis. 7, 8 and 9-in. pots, $1.50 to $5.00 each.

RHAPIS flabelliformis. 6½ and 7-in., $1.50 and $2.00 each.

CYCAS revoluta. 6½, 7, 8 and 9-in. pots, from 50c. to $1.50 each. Very fine dark green foliage.

LILAC. White and **Blue,** in bloom. $1.60, $2.00, $2.50 and $3.00 each.

CAMELLIAS Chandleri, pink; **Campbell,** red. Loaded with flowering buds and bloom. Very fine for Easter. 6½-in., $1.25 and $1.50 each; larger, $1.75 and $2.00 each. Combinations, $3, $4 and $5.00 each.

ENGLISH DAISY. In bloom. 5½ and 6-in. pots, $6.00 per doz.; 6½-in. pots, $9.00 per doz.

ORANGES. Citrus Sinensis. Very fine. 7-in. pans, $1.50 and $2.00 each. Full of fruit.

Young stock for growing on

ERICA regerminans. One-year-old. $8.00 per 100.
ERICA fragrans. $15.00 per 100.
BOSTON FERNS. From 2½ and 3-in. pots, $5.00 per 100.
Scholzeli. 2½ and 3-in. pots, $6.00 per 100.
Whitmani. 2½ and 3-in. pots, $5.00 per 100.
AZALEAS. In bloom. 75c., $1.00, $1.50, $2.00 and $3.00 each; at all times Pink, Red, Rose-colored, and White varieties. Also several thousand timed for Easter, which can be shipped at any time with or without pots.
HYACINTHS in bloom. Doz. $2.00.
TULIPS in pans. 35c., 60c., 75c. and $1.00 each.
LILIUM longiflorum. Timed for Easter. Single stem, $35.00 per 100 pots; 2 stems, $50.00 per 100 pots. This offer is good to February 1.

Cash with order, please.

All goods must travel at purchaser's risk; charges for packing at actual cost of material.

ANTON SCHULTHEIS
316, 19th Street, COLLEGE POINT, L. I., N. Y.

Please mention the Exchange when writing.

A Few Good Things You Want

BEGONIA Rex, 2-in., $5.00 per 100.
ASPARAGUS plumosus, 2-in. $3.00 per 100; 3-in., $5.00 per 100. Cut sprays, 25c. per bunch.
ASPARAGUS Sprengeri, 2-in., $5.00 per 100.
GERANIUMS, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C.,** $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100. **Mme. Salleroi,** 2-in., $3.00 per 100.
FERNS. Whitmani, 4-in., 25c. each. **Boston,** 4-in., 15c. each; 5-in., 25c. each.
CYCAS PALMS, 4 to 5 leaves, $1.00, $1.50 and $2.00.
VINCA Var., 2-in., $2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

Begonia Rex

2-in. $3.00 per 100.
DRACAENA Indivisa, 4-in., $10.00 per 100.
PRIMULA Obconica, 2-in., $1.75 per 100.
VINCA, 2-in., $4.00 per 100.
ENGLISH IVY, R. C., $1.00 per 100.

FERNS

Scottii, 2½-in., 5c.; 3-in., 10c.; 4-in., 15c.; 5-in., 20c.; 6-in., 36c.
Boston, 2-in., 4c.; 3-in., 6c.; 4-in., 15c.; 6-in., 20c.
Piersoni, 4-in., 15c.; 6-in., 20c.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

ROOTED CUTTINGS

PETUNIAS, Dreer's Superb, double fringed; the best selected large-flowering doubles, finely fringed, mixed colors, $1.00 per 100, $9.00 per 1000.
FUCHSIAS, finest double, dwarf habit, $1.00 per 100, $8.00 per 1000.
HELIOTROPE, dark, good stock, 75c. per 100, $6.00 per 1000.
PETUNIA, The Queen, fine double fringed, white mingled with purple, $1.00 per 100, $9.00 per 1000.
SALVIA, Bonfire, 80c. per 100, $7.00 per 1000.
AGERATUM Stella Gurney, 60c. per 100, $4.00 per 1000.

CASH WITH ORDER.

J. P. CANNATA, Mt. Freedom, N. J.

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DOMOTO BROS.

Wholesale Florists

Store, 2729 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.

Headquarters for

Japanese Plants and Bulbs, Choice Roses Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.

We respectfully solicit your patronage.

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Plant Names, Pronunciation of

This handy little book furnishes a key of the pronunciation of some 4,350 names of cultivated plants, genera and species, and will be found valuable as furnishing a standard to which to refer by all who desire to be correct when they speak of plants. Sent postpaid, on receipt of Fifty cents. Address, The Florists' Exchange, P. O. Box 1697, New York.

Prices Advertised in these Columns are for THE TRADE ONLY

Hartford, Conn.

There has been a decided improvement in business this week over that of last, consequently stock is pretty well cleaned up and some varieties of flowers are scarce. The supply of Roses and Carnations is considerably less than the demand. A large amount of funeral work has been done; there has also been an increased call for flowers for social affairs.

Prices are about the same as last week, excepting Violets, which took a drop to $1 per 100, retail; they are more plentiful than any other flower at present. Azalea plants, at from $1.50 to $3 each, are selling well.

Announcement was made in one of the daily papers this morning that there would be no flowers worn at the Trinity prom., which comes off Feb. 7. If the committee carry out this plan it will make a difference in the demand for flowers for this affair as the dealers always make preparations for a good sale for that day. J. F. COOMBS.

Detroit

Local market conditions are sound and healthy, but nothing very startling; still, some elaborate decorations will be executed within the next week or ten days and flowers will have to become much more plentiful to cope with this coming demand. At present they are hardly enough to satisfy a lively call for funeral work. Roses are extremely scarce and Spring flowers are still very few; a more liberal supply of the latter will bring about a great increase in counter sales.

The large assortment of greens now being kept in stock at the Michigan Cut Flower Exchange is changing the appearance of many a floral piece. Green and brown Mahonia is finding great favor, causing a falling off in the sales of brown Galax. It is, perhaps, not as profitable as Galax, but it puts a much more artistic finish to any floral piece where Mahonia is used.

The gradual improvement of Mrs. Sullivan, who has been ill with an attack of dropsy since Thanksgiving, is welcomed by everyone in the trade and her many customers. FRANK DANZER.

New Bedford, Mass.

Trade has been fairly good the past week. Carnations retail at 60c. to 75c. per doz.; Roses, $1.50 per doz.; Violets at $1 per 100; Sweet Peas at $1 per 100; Paperwhite Narcissus at 50c. per doz. Some nice Freesias are to be seen; these help out with funeral work which is very good, using up lots of short stock. Asparagus green is rather scarce just now; Smilax helps out.

Wm. P. Peirce finds a ready sale for those fine Violets from Harvey Briggs, near Dighton, Mass. Wm. Livesey is sending some nice Enchantress and Winsor to E. H. Chamberlain on Purchase st. Wm. H. Davenport is very well satisfied with his Fern sales the past season; he has been running up against one of our local department stores with Ferns and William won out, as he ought to do.

S. S. Peckham is now back at his old place again and things once more are humming.

Peter Murray of Fairhaven, Mass., is planning to erect another range the coming season, it will be 160x60; he will also install a new Kroeschell boiler and build a new boiler house. His place is in fine shape; he has some excellent flowering plants. This is the home of the famous Winsor Carnation and he has planted largely of this variety.

Manuel Sylvia of the New Bedford Nurseries on Dartmouth st., is building a new greenhouse, 45x12, and a new office; he will raise bedding plants, also a few Carnations. His location is a good one, right opposite the Rural cemetery.

H. A. John is showing some nice promising Carnation seedlings.

The New Bedford Hort. Society has taken on a new lease of life, and will meet, next month, in the Board of Trade rooms. Frank C. Barrows, assistant postmaster, is president; John P. Rooney, gdr. to Mrs. Frederick Grinnell, is vice-president.

Easter will soon be here; things look good for that day. HORTICO.

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2-INCH POTS.

Buchner, Double white, $12.00 per 1000. Nutt, Mme. Salleroi, Doyle, Ricard, Montmort and others, $18.00 per 1000.

ROOTED CUTTINGS OF

Fuchsias, Salvias, Heliotrope (dark), Double White Feverfew, Vinca Variegated, $1.00 per 100.

Double Giant Sweet Alyssum, Ageratum Gurney, 60c. per 100.

Cash with Order.

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Ricard, Nutt, Buchner, strong, cool grown plants, from 2-in. pots, $2.00 per 100, $20.00 per 1000.

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GEN. GRANT $10.00 per 1000.

S. A. NUTT, $10.00 per 1000. Special price for 5000 lots

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GERANIUMS Low, stocky, from pots sent nearly free of soil. **S. A. Nutt, Bruanti Dble.Grant,** $12.00 per 1000. **Buchner, Ricard Poitevine, Perkins, Hill, etc.,** $18.00 per 1000

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ASTER SEED. Best long stem kinds for cut flowers. Special low prices to Dealers. Write.

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VIAUD, ...per 1000, 12.00

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S. A. NUTT, from 2¼-in. $2.00 per 100, $18.00 per 1000.

MME. SALLEROI, from 2¼-in. $2.00 per 100, $18.00 per 1000.

Please state if shipped with or without soil.

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Geraniums! Geraniums!

Nutt, Doyle, Buchner, La Favorite, Poitevine, Grant, Bruanti, and others, at least, 100,000, out of 2¼-in. pots, in fine condition, at $18.00 per 1000; 600 at 1000 rates.

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Cash to accompany the order.

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4-in. fine for Easter, **$5.00** per **100**

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F. E.—Best Advertising Medium

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S. A. Nutt, Buchner, La Favorite, Jean Viaud, John Doyle and finest Mixed, $2.00 per 100, $5.00 per 300, $16.50 per 1000.

Cinerarias, Primula Obconica, Asparagus Sprengeri, Ivy Geraniums, Double Petunias (Dreer's), $2.00 per 100, $5.00 per 300.

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S. A. Nutt and 8 other varieties 2½-in. pots	$20.00	$2.50
ALTERNANTHERAS, yellow, rooted cuttings		.50
VINCAS, Var. 2-in. pots		2.00
ASPARAGUS Sprengeri seedlings	7.00	1.00
PANSY PLANTS	2.50	

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All sold until February. Orders booked for February and March delivery. Nutt at $10.00; Poitevine and Ricard at $12.50 per 1000.

ASPARAGUS Plumosus, $25.00 per 1000; Sprengeri, $16.00 per 1000. Ready now.

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ASPARAGUS PLUMOSUS

From 2¼-inch pots, $2.50 per 100, $22.50 per 1000.

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Extra strong rooted cuttings, 50c. per 100, $4.00 per 1000

The H. Weber & Sons Co

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CINERARIA STELLATA

Strong plants in 2½-inch pots, ready to shift into 4-inch.

$3.00 per hundred

Primula Obconica all sold.

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VINCA VARIEGATA

Extra strong, thrifty stock, ready to shift, 3-in., $3.50 per 100, $30.00 per 1000.

GERANIUMS, Mme. Salleroi, strong, thrifty, 2-in., ready to shift, $2.00 per 100, $18.00 per 1000. Cash.

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MARIE LOUISE, clean and healthy in every particular. 3-inch pots, $5.00 per 100, $45.00 per 1000.

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Fine, strong, healthy Table Ferns, in 8 to 10 of the best varieties, from 2½-inch pots, fully established for dishes, **at the extraordinary price of $2.50 per 100, $20.00 per 1000.** Positively the best bargain offered in this popular plant. This offer only holds good until our surplus is reduced and we obtain the room required. **Cash with order.** We can ship via U. S. or Adams Express. **Orders will be filled in rotation.**

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The best payer and most prolific Fern to date. 2¼-in. **$7.00** per 100.

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A nice assortment and good bushy stock, and just now in fine shape, $3.00 per 100.

KENTIAS and COCOS Weddellianas for centers, 10c. each.

ASPARAGUS plumosus, $3.00 per 100.

Scottii FERNS, 4-in., $16.00 per 100.

KENTIA Belmoreana, 6-in., $1.00; 5-in., 75c. and 60c.; 4-in., 25c.

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PALMS, FERNS *and* Decorative Plants

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Assorted Ferns for Jardinieres in 6 to 8 best varieties. Good, strong plants from 2¼ in. pots at $3.00 per 100, or $25.00 per 1000.

ASPARAGUS P. NANUS Seedlings, strong, $1.00 per 100, $9.00 per 1000.

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There are none better than **Little Beauty, Lord Byron, Renan** and **White Beauty.** Strong 2½-in. pots ready, $4.00 per 100. **New Heliotrope,** Miss Berenice, a sport of Mad. Brusnt and a great improvement on the latter 2½-in. pots, $8.00 per 100. Katalog for the asking

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Fine, well rooted, one year plants, 18 to 24 inches; 60, by mail, $2.00; 100, by express, $3.00; 1000, $26.00. Plants in cellar.

ASPARAGUS ROOTS for Spring, extra strong, 2 year plants, $1.00 per 100; $4.00 per 1000. 3 years, $1.25 per 100; $6.00 per 1000. They will please.

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MY SPECIALTY

Boston and Scottii Ferns. 6 in., $6.00 per doz.

Extra Large Bostons. 7 in., $12.00 per doz.

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Best stock, largest assortment, 2¼-in. $3.00 per 100, $25.00 per 1000.

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10 and 12-in. specimens in handsome oak-colored tubs, with solid brass handles (novelty). No show window complete without one. $5.00 and $7.00 each.

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Largest commercial collection of Ferns in the country.

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WHITMANI, 2½-in., $5.00 per 100; $40.00 per 1000.

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Nephrolepis Whitmani

From bench, ready for 6-inch pots, $20.00 per 100.

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Best varieties, full grown plants from 2¼-in pots, $3.50 per 100; $30.00 per 1000.

Asparagus P. Nanus 2¼-in. pots, $3.00 per 100; $25.00 per 1000; 3-in., $6.00 per 100.

Cocos and Kentias 8 to 10 in., at $10.00 per 100

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Dracæna Indivisa

Large plants in 6-in. pots, $20.00 per 100.

GERANIUMS, S. A. Nutt, in 2½-in. pots, $2.00 per 100, $18.00 per 1000. Other varieties of Geraniums will be ready later on.

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WHOLESALE FLORISTS ☞ Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial

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NEW YORK.—The cut flower market is in a fairly good condition and buyers are a little more active on small sales, but the increased receipts from growers, are not conducive to a general clean up. Medium and short Roses have shown some call, and demand has about used up present supply. Other flowers are in abundance and on Wednesday noon considerable material was still in hand. American Beauty Roses are coming in about equal to the demand, and a few top grades realize 75c. in small lots, the average prices being nearer the 50c. mark. Tea Roses of all varieties are quite plentiful and the better grades are hard to move. In small quantities 12c. is obtained, but the bulk of sales is made at 10c. for this class of material. No. 1 and No. 2 grades have been easy selling and while no advance in price is noted the fact that clearances are made is very satisfactory. All colors meet about the same demand.

Carnations are improving rapidly and some especially fine grade stock is on the market. Good standard flowers realize $4 while poorer grades fall to $1.50 and $2, with plenty of all grades on hand.

Orchids and Gardenias remain about as last week; a few small sales of Cattleyas realize 60c. per flower, but these prices have no effect on the general bearing of the market, as the average will be between 40c. and 50c. Cypripediums are not called for, even at special offerings. No set price is on Gardenias, it is a case of get what you can.

Lilies are plentiful and sales are made at all prices from 8c. up according to quality.

Lily of the Valley is a glut and plenty of it is received without foliage; a chance to clean out at $1 to $2 for all grades would be welcomed by the wholesaler. Callas move well, and good stock realizes 15c. each.

Daffodils are fairly abundant and sales of extra stock of these realize $5 per 100; other grades sell at anywhere from $2 to $4. Narcissus and Tulips are in heavy supply and plenty of this material is held over from day to day.

Violets are quite plentiful and sales of these vary in price from 25c. to 60c. per 100, with the average quotation near the lower figures.

Greenery of all kinds is in fair demand, and realizes good figures. Sweet Peas are plentiful and only top grade stock is in any demand.

BOSTON.—Prices not changed much since last week. Roses dropped somewhat. Carnations run from 2c. to 5c. Sweet Peas, 75c. to $1.25. Violets, 50c. to 75c. and more plentiful. Paperwhite Narcissus, 2c. Trumpet Daffodils, 4c. to 5c. Lily of the Valley, 2c. to 4c. Mignonette, 3c. to 4c. Callas, $1.50 to $2 per dozen. Freesias, 2c. to 6c. Asparagus scarce and in demand. Stevia is scarce; it is getting too late for it. R. C.

PHILADELPHIA.—The cut flower market is in a very good condition, and has been for the past few days. Flowers of all kinds have been in good demand, so that a decided shortage has existed in many lines, especially so in the medium grades of Roses.

American Beauty Roses are quite scarce, and more could be used; top grades reach 75c. while medium grades bring good figures. Tea Roses of all kinds, especially white, are practically cleaned out every day, and prices on them range from $4 to $12. Mrs. Jardine is a popular variety and is today the highest priced Tea Rose in this market.

Carnations are selling well, the lower grades cleaning up quickly as they arrive leaving the market in a good condition. Prices realized average $3. Some fancy varieties reach $5 and $6, but stock must be good. Enchantress and White Perfection clean up at $4.

Cattleyas have been in good demand the past few days, but the supply is somewhat spasmodic, causing prices to fluctuate from 50c. to 75c. daily. Cypripediums are plentiful and hard to move at 12½ each. Lilies are in heavy supply, and prices vary from 8c. to 15c. with but little call. Lily of the Valley is very plentiful and top grades reach $4. No great demand is experienced for it, and fakirs use considerable material for street offerings.

Callas move well, and good flowers bring 12c. to 15c. Violets are a trifle off color, and receipts are hard to clean up, except at reduced prices; attempts to hold to the dollar mark for top grades are not very successful.

Lilac is selling rapidly and at $1 per bunch cleans up well. Sweet Peas are more plentiful and prices have tumbled a trifle, so that 35c. to 75c. would be a fair range for those sold. Mignonette is in moderate demand, while Gardenias are gradually getting more and more plentiful. Asparagus plumosus has moved well, and realizes good figures. A. Sprengeri is not so much in demand. The better grades of Adiantum clean out at $1.50 per 100, and sales of hardy Ferns and Galax leaves have increased in the past few days. Tulips and single Daffodils are quite popular. Narcissus is still over abundant, and sales to clean out are made at $1 to $2.

CHICAGO.—Conditions in the market are practically the same as last week; it would take the most optimistic to note any change whatever. The Rose proposition is as close as ever; consequently all Roses, with the exception of Am. Beauty, have advanced in price. Killarney is at the season when it is dormant, so, with this and the dark weather combined, the crop is decidedly short. What Roses are obtainable are in excellent condition. Killarney fancy are bringing up to $18 per 100 and down to $5 for the cheapest grades; Bridesmaid and Bride are commanding all the way from $5 to $15 per 100; same prices cover all other varieties of Roses. Am. Beauty are as scarce, although the price remains the same as last week, and are selling at $4 to $5 per doz. and down to $2.

Carnations are a little easier this week, coming in in greater quantities, and sell from $2 up to $4 per 100 for special fancy. More whites could be disposed of if available. Tulips are excellent and were never received in any better condition. Yellow are given the preference, as to color, and sell at $5 per 100 for single, with $6 per 100 for double. White Lorraine are exceptionally fine at $4 per 100. Tulips of all colors are moving off nicely. Roman Hyacinths and Freesias are also meeting with good demand at from $3 to $4 per 100. Paperwhites are in quantity sufficient to meet the demand, and the price is $3 per 100.

Lilies and Callas are not so plentiful; the stock is in unsurpassed condition; the price for all kinds is holding stiff at from $15 to $18 per 100.

Sweet Peas are still scarce; the weather will not permit them to develop as they should; all are used that can be procured; prices range from $1 to $1.50 per 100.

Violets are one stock which is in plenty; they are good, both in singles and doubles, and sell at 75c. per 100; a few fancy doubles may bring $1. A few Daisies have made their appearance; not enough to quote prices.

Green stuff is in good demand; there is not an overabundant supply, and all kinds are moving off very nicely. Smilax is perhaps a little more plentiful than for some time past.

There is very little occasion for any large amount of floral work at the present time, except funeral; of this there seems to be enough to give all the retailers a chance of keeping up.

We must have sunshine, and more sunshine, before we can expect any noticeable improvement in the condition of the market.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager Consignments Solicited
30 West 28th Street, Telephone 5287 Madison Square NEW YORK

Please mention the Exchange when writing.

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For the best in Novelties, as well as the staple lines.
Calanthes, Cattleyas, Cypripedium Leeanum, Gardenias.
Headquarters for Sweet Peas and Violets
Phones 325-5582-5583 Madison Sq.
51 West 28th Street, New York

Please mention the Exchange when writing.

ST. LOUIS.—The business done in the florist line was very encouraging the past week, as the demand for stock of all kinds was very strong at all the commission houses. The retailers say that they had a busy week with all kinds of work in the social line and a great amount of funeral work.

The commission housese have been having a great run of cut stock all last week and the demand was so good that they cleaned up pretty well each day. Roses are the only scarcity and all Rose growers are off crop at the same time. Prices on stock for this week are: best Roses from $8 to $12.50 per 100; firsts, $4 to $6; shorts, $2 to $3 per 100. American Beauty Roses, long fancy, are up to $5 per doz.; there are plenty of shorts at from 50c. to 95c. per doz. Carnations, extra choice, $3; good grade at $2; splits, $1.50 per 100.

California Violets are in abundance and sell for 40c. per 100; extra long choice, 60c.; doubles at 50c. to 75c. Callas at $12.50 and L. Harrisii the same.

Lily of the Valley, $3 and $4 per 100; Paperwhite Narcissus and Roman Hyacinths at 2c. to 3c. Tulips and Freesias are not in as yet. The green market is healthy and there is plenty of everything in season; Galax and fancy Ferns sell well; Smilax, too, had a big call all week. ST. PATRICK.

INDIANAPOLIS.—Notwithstanding dark stormy weather prevented many sales during the past week, business was reported as satisfactory from the several flower quarters. Stock was not at all plentiful and it was impossible to fill orders with the same high grade of flowers heretofore furnished. Funeral work carried off the honors and consumed much otherwise unusable material. Counter trade suffered materially and there were but few decorations. Small blooms for corsage bouquets met with a steady demand and prices in this line have decreased but little since the holidays.

Roses have fallen from the high standard so long maintained this season and little short-stemmed stock received is often a source of disappointment. Prices vary but little from the time when they were better, as there is often not enough to go around under those circumstances. Bride and Bridesmaid have at last gained the lead over Maryland and the Killarneys, but the length of time they will be able to hold the pennant is, at this writing not discernible. Prices for the various kinds are much the same, namely, $6 to $8 per 100 for fancy grades; $4 to $5 for seconds and $2 to $3 for the short ones. Am. Beauty are selling in fine shape at $5 to $50 per 100. A few Mrs. Jardine shown in this section are making an excellent impression.

Carnations have, like the rest, suffered somewhat but are more plentiful than Roses at $3 to $4 per 100. A few days of sunshine were badly needed by the prospective Pittsburgh exhibitors.

Spring bulbous flowers, such as Jonquils and Paperwhite Narcissus, have been much in favor at $3.50 to $4 per 100. A few Dutch Hyacinths, at $8 per 100, also Tulips at one-half that rate, are obtainable.

Callas and Harrisii Lilies, in the face of continued funeral work, are moving quickly at $10 to $12.50 per 100.

Home grown and Eastern Violets are handled everywhere at 50c. to $1 per 100.

Sweet Peas are arriving from many sources and the quality is good. Selling them by count of flowers, instead of stem, is an innovation with a local grower; he justifies his stand by explaining this as the only exact way of dispensing them; 50c. to 75c. per 100 is the usual figure.

Potted plants have begun the ascent to the zenith of their career and are certainly producing nice effects in the several shop windows.

Smilax at $10 to $12.50 per 100 strings and other green goods are plentiful. I. B.

New York

Phil. Kessler is receiving a fine grade of Freesia Purity from Wm. Matthews, Great Neck, L. I.

The annual reception and dance of the Florists' Social Club will be held in the Leslie rooms, 260 West 83d st., N. Y., Saturday evening, Jan. 29, commencing 8.30.

Members of the Astoria Bowling Club, with their wives and lady friends, spent a very pleasant evening on Jan. 26. Prizes for lady and gentleman bowlers were freely contested for, and the number of prizes offered made the event more interesting.

Walter F. Sheridan is receiving some well-grown stock of all varieties of Tea Roses.

It is understood that Fred W. Smythe was to sail for Europe some time this week.

A meeting of the directors of the Cut

J. K. ALLEN
WHOLESALE COMMISSION FLORIST
106 W. 28th St., New York

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Wall space for advertising purposes to Rent
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All choice Cut-Flowers in season. Send for quotations.
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CONSIGNMENTS SOLICITED
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THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
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WHOLESALE FLORIST
55 & 57 West 26th St., New York
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THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
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PHILIP F. KESSLER Commission Dealer in Cut Flowers
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FISCHER'S PURITY **FREESIAS** Grown by Mathews of Great Neck, L. I.
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57 West 28th Street - - - NEW YORK

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Prices quoted are by the hundred unless otherwise noted

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A. Beauty fancy—special	40.00 to 60.00
" extra	25.00 to 40.00
" No. 1	15.00 to 25.00
" No. 2	10.00 to 15.00
" No. 3	6.00 to 10.00
Killarney	4.00 to 12.00
White Killarney	4.00 to 12.00
My Maryland	4.00 to 12.00
Richmond	4.00 to 12.00
Mme. Abel Chatenay	4.00 to 12.00
Golden Gate	4.00 to 10.00
Bride, Maid, fancy—spec.	8.00 to 10.00
" extra	6.00 to 8.00
" No. 1	4.00 to 6.00
" No. 2	2.00 to 4.00
Adiantum	1.00 to 1.50
Crowcanum	.... to 1.50
Antirrhinum (per bunch)	.50 to 1.50
Asparagus, cut strings	25.00 to 50.00
Plumosus, bunches	15.00 to 30.00
Sprengeri, bunches	15.00 to 30.00
Bouvardia	2.00 to 3.00
Callas	10.00 to 15.00
Daffodils	2.00 to 5.00
Daisies	.75 to 1.00
Ferns, hardy	.35 to .50
Galax, green and bronze	.50 to .75
	.... to ....
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.... to 1.50
White	2.00 to 3.00
Standard Pinks	2.00 to 3.00
Varieties Red	2.00 to 3.00
Yel. & Var.	2.00 to 3.00
*Fancy White	3.00 to 4.00
(* The highest Pinks	3.00 to 4.00
grades of Sta'd Red	3.00 to 4.00
varieties) Yel. & Var.	3.00 to 4.00
Novelties	4.00 to 6.00
Gardenias, per doz.	1.00 to 4.00
Lilac, per bunch	.50 to 1.00
Lilies, Harrisii and Longi.	8.00 to 15.00
Lily of the Valley	1.00 to 3.00
Mignonette, per doz.	.50 to 1.00
Narcissus	1.00 to 2.00
Orchids, Cattleyas	25.00 to 50.00
Cypripediums	10.00 to 15.00
Dendrobium Formosum	25.00 to 40.00
Pansies, per doz. bunches	.50 to .75
Poinsettias per doz.	1.00 to 4.00
Roman Hyacinths	1.00 to 2.00
Smilax (per doz. strings)	1.00 to 1.50
Stevia, per bunch	.15 to .25
Sweet Peas, per doz. bun.	.50 to 1.25
Tulips	2.00 to 3.00
Violets, single	.25 to .50
" double	.25 to .60
	.... to ....

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST. NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1998 Madison Square
JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

Flower Exchange will be held Saturday, Feb. 5.

J. McManus is handling some fine stock of Wallflowers, Gardenias, Valley, Cypripedium Leeanum and Daisies, as well as all Orchid blooms in season.

Henshaw & Fenrich are offering Calanthes, Sweet Peas, Violets and Daffodils of extra quality.

John T. Withers, a well-known landscape architect, started, Jan. 19, for a trip around the world. He will go by way of New Orleans and San Francisco, thence across the Pacific to the Orient, and expects to return about July next.

Mrs. Annie Friedman, a well-known flower seller, residing at 150 Clinton st., N. Y., has recently been informed by a daughter in Hungary of the death of an aunt whose will bequeaths to Mrs. Friedmann and others a share in the estate which is valued at $200,000. Mrs. Friedman is highly elated over the news and looks forward to a return of the brighter days which she enjoyed when she occupied the stand next the moving picture show around the corner on Grand st. A brother in Cleveland, O., is, if living, also an heir.

Manager Coan of the Growers Cut Flower Co., W. 28th st., says that the Easter Lilies he is receiving from the greenhouses of the late John Scott, are the best in the market. These are grown by D. Mackenzie, and fully demonstrate that gentleman's ability as a grower.

C. W. Scott of Vaughan's New York store spent Tuesday in Chicago. Mr. Scott was called West through the illness of his father, who resides in Grand Rapids, Wis. He spent several days there returning to New York, last Tuesday.

The next regular meeting of the New York Florists' Club will be held at the Grand Opera House Building, corner Eighth ave. and 23d st., Monday evening, Feb. 14, and the special feature will be Carnations. Ladies are invited and also those in the trade not members of the Club but interested in the Carnation.

Valuable prizes have been donated by Messrs. Reed & Keller, Stumpp & Walter Co., and Vaughan's Seed Store.

The Second Annual Banquet of the New York and New Jersey Association of Plant Growers will be held Wednesday, Feb. 2, at the Hotel Astor, Broadway and 44th st. The members and their friends will assemble at 6.30 p.m. and at 7 p.m. the dinner will be served in a private dining room. The Dinner Committee has spent considerable time in selecting a suitable place to hold the banquet and has perfected such arrangements as will assure a greater success than any of the Association's previous entertainments. The price of the tickets is $5, admitting either gentleman or lady. These may be had of the secretary, W. H. Siehrecht, Jr., 277 Broadway.

Quite a large party left New York on Tuesday evening for the Pittsburgh convention of the American Carnation Society. A special Pullman car engaged by the New York Florists' Club was completely filled. Those having berths in the car were John Reimels, Woodhaven; J. D. Cockcroft, Northport; F. R. Pierson and nephew, and J. R. Fotheringham, Tarrytown; J. Birnie, West Hoboken; R. T. Brown and M. Matheron, Queens; Peter Benrlein and Chas. Beckmann, Elmhurst; J. Warburton, Fall River, Mass.; B. Hammond, Fishkill; Mr. Bates, Tonawanda; W. Eccles, Oyster Bay; R. G. Wilson, E. Dailledouze and Mrs. Dailledouze, J. D. Weir and Mrs. Weir, Brooklyn; E. L. Enggren and Mrs. Enggren, Aqueduct; E. J. Taylor and Mrs. Taylor, Greens Farms, Conn.; J. H. Pepper, F. H. Traendly, H. H. Hulse and H. A. Bunyard, New York.

All past employees of the old firm of Messrs. Pitcher & Manda are requested to send their names and present addresses to Herman E. Merkel, Chief Forester and Supt. of Construction at the Bronx Zoological Garden, New York City. This request is made for the reason that a temporary organization has already been effected with the following officers serving pro tem: Arthur T. Boddington, chairman; Herman E. Merkel, secretary; Harry A. Bunyard, treasurer. The object of this organization will be to have annual reunions and to keep in touch with one another in a social way. Just as soon as a permanent organization can be effected a banquet will be held to celebrate this reunion, and it is thought that over 200 of the old Pitcher & Manda boys, who are at present permanently connected with the trade, can be brought together. Both Messrs. James R. Pitcher and W. A. Manda have acquiesced in the plan.

CATTLEYAS

Magnificent blooms, as choice as we ever offered.

Per doz. .....$7.50. Per 100.....$50.00.

CYPRIPEDIUMS. Per 100, $15.00.

GARDENIAS. Per doz., Special $4.00, Fancy $3.00, 1st. $2.00.

VALLEY. Per 100, Special $5.00; Fancy $4.00; 1st. $3.00

WILD SMILAX. (50 lb. case.) $5.00 per case.

GREEN LEUCOTHOE. 75c. per 100; $6.00 per 1000.
The Green to use, now much cheaper while other greens are in short supply.

BRONZE LEUCOTHOE. $1.00 per 100; $7.50 per 1000.

RIBBONS. Some of the choicest novelties; exclusive patterns; an endless variety to choose from. **SUPPLIES** of all kinds.

CATALOGUE ON REQUEST

P M QUALITY

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of PHILADELPHIA and WASHINGTON

1608 to 1620 Ludlow St., Philadelphia, Pa. — 1212 New York Ave., Washington, D. C.

Stores close at 6 P. M.

Please mention the Exchange when writing.

Bulbous Stock — Spring Flowers

Valley, Daffodils
Tulips, Romans
Narcissus, Freesias

Peas, Pansies
Lilacs, Pussy Willows
Daisies, Mignonette

There is a good supply of this stock now, and a good variety to choose from. It is good stock to use, when other flowers are more or less scarce.

THE LEO NIESSEN CO.,
Wholesale Florists
1209 Arch Street
PHILADELPHIA
Open from 7 A.M. to 8 P.M.

Please mention the Exchange when writing.

CRAIG'S SPECIALTIES

CYCLAMEN	$0.25	$0.50	$0.75	$1.00	$1.25	$1.50 Each
BEGONIA LORRAINE	.15	.35	.50	.75	1.25	"
AZALEAS APOLLO and HEXE	.75	1.00	1.25	1.50		"
NEPHROLEPIS SCOTTII	.50	.75	1.00	1.50	2.00	"
N. TODEAOIDES	.50	.75	2.50			"
N. AMERPOHLI	.50	.75				"
DRACAENA MASSANGEANA	1.50	2.00				"
D. FRAGRANS	.50	.75				"
ARECA LUTESCENS	1.50	2.00				"

All of the above stock of highest quality

ROBERT CRAIG CO., Market and 49th Streets, PHILADELPHIA, PA.
And NORWOOD, PA.

Please mention the Exchange when writing.

Philadelphia

The will of the late Wm. K. Harris was admitted to probate Jan. 21, the estate being valued at "$100,000 and over."

The annual Midwinter Ball was held in Horticultural Hall, Jan. 21. The decorations were ably executed by J. J. Habermehls' Sons. Besides wild Smilax and other greenery, Easter Lilies, yellow Tulips, Roses, etc., were prominent in the material used, the whole presenting a very creditable arrangement.

The opening of the West Philadelphia branch of the Century Flower Shop took place on Saturday, Jan. 22. The new store is very tasty in appearance and presents a fine contrast to the stores close by, owing to its brilliant light effects. All customers received a handsomely lithographed reproduction of flowers—without the usual advertising card—which will no doubt be framed by many of the recipients. Mr. Holland, who has been connected with the Century Flower Shop on 12th st. for several years, attended to the opening of the branch establishment, and under his able direction the new store should prove a complete success.

Robt. Kift had on view in his store window last week several plants of the new Begonia Glory of Cincinnati, grown by J. A. Peterson of Cincinnati, O.

The new iron frame propagating house being built for the Robt. Craig Co. at Norwood, Pa., by the Lord & Burnham Co., is rapidly nearing completion, and if weather permits, it will be complete by Feb. 1. All the plants at this establishment are thriving, due, no doubt, as Wm. Craig says, to the "pure air and good soil" together with other good growing conditions.

EDWARD REID

Wholesale Florist

Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias

All other seasonable flowers

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

Headquarters in Western New York

For Roses, Carnations,

And all kinds of Seasonable Flowers

WM. F. KASTING CO.

Wholesale Commission Florists

Dealers in Florists' Supplies and Wire designs

383-87 Ellicott St., BUFFALO, N.Y.

Give us a trial—We can please you

Please mention the Exchange when writing

Henry A. Dreer, Inc. at Riverton, N. J. is making great preparation for an enlarged Spring trade, especially in pot-grown Roses of all varieties, all of which are being potted now and placed in cold frames and houses.

Xavier Smith, who has charge of the greenhouses at Fairmount Park, has had his men actively engaged in going over all the plants in the conservatories; time

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Jan. 17, 1910	Buffalo Jan. 24, 1910	NAMES AND VARIETIES	Phil'delphia Jan. 24, 1910	St. Louis Jan. 24, 1910
35.00 to 40.00	30.00 to 40.00	**Roses**—A. Beauty, fancy—special	40.00 to 60.00	25.00 to 35.00
25.00 to 30.00	..... to 25.00	" extra	30.00 to 40.00	15.00 to 20.00
15.00 to 20.00	..... to 12.00	" No. 1	15.00 to 25.00	8.00 to 12.50
6.00 to 10.00	6.00 to 8.00	" No. 2	10.00 to 15.00	4.00 to 6.00
4.00 to 10.00	6.00 to 15.00	Killarney	4.00 to 12.00	5.00 to 8.00
4.00 to 10.00	6.00 to 15.00	White Killarney	4.00 to 12.00	5.00 to 8.00
5.00 to 10.00	8.00 to 15.00	My Maryland	4.00 to 12.00	..... to .....
6.00 to 10.00	6.00 to 15.00	Richmond	4.00 to 12.00	6.00 to 10.0
3.00 to 6.00	4.00 to 10.00	Perle	..... to	4.00 to 6.00
4.00 to 10.00	..... to	Golden Gate	..... to	..... to .....
4.00 to 10.00	4.00 to 8.00	K. A. Victoria	..... to	..... to .....
8.00 to 10.00	12.00 to 15.00	Bride, 'Maid, fancy—special	8.00 to 10.00	6.00 to 8.00
6.00 to 8.00	10.00 to 12.00	" extra	6.00 to 8.00	4.00 to 5.00
5.00 to 6.00	8.00 to 10.00	" No. 1	4.00 to 6.00	..... to .....
3.00 to 5.00	4.00 to 8.00	" No. 2	3.00 to 4.00	..... to .....
..... to 1.00	..... to	**Adiantum**	1.00 to 1.50	1.00 to 1.50
..... to	..... to	**Antirrhinum** (per bunch)	..... to	..... to .....
25.00 to 50.00	..... to	**Asparagus**, Plumosus, bunches	35.00 to 50.00	..... to .....
25.00 to 50.00	..... to	" Sprengeri, bunches	30.00 to 40.00	25.00 to 50.00
..... to	..... to	**Bouvardia**	2.00 to 3.00	..... to .....
8.00 to 12.50	12.00 to 15.00	**Callas**	10.00 to 15.00	12.50 to 15.00
..... to	..... to	**Chrysanthemums**	..... to	..... to .....
1.50 to 2.00	..... to	**Carnations**—Inferior grades, all colors	1.00 to 2.00	1.00 to 1.50
2.50 to 3.00	2.00 to 3.00	Standard Varieties: White	2.00 to 3.00	1.00 to 1.50
2.50 to 3.00	2.00 to 3.00	Standard Varieties: Pink	2.00 to 3.00	1.00 to 1.50
2.50 to 3.00	2.00 to 3.00	Standard Varieties: Red	2.00 to 3.00	1.00 to 1.50
2.50 to 3.00	2.00 to 3.00	Standard Varieties: Yellow and var	2.00 to 3.00	2.00 to 3.00
..... to 4.00	3.00 to 4.00	*Fancy (*The highest grades of Sta'd vars.): White	3.00 to 4.00	2.00 to 3.00
..... to 4.00	3.00 to 4.00	*Fancy: Pink	3.00 to 4.00	2.00 to 3.00
..... to 4.00	3.00 to 4.00	*Fancy: Red	3.00 to 4.00	2.00 to 3.00
..... to 4.00	3.00 to 4.00	*Fancy: Yellow and var	3.00 to 4.00	..... to .....
3.00 to 5.00	..... to	**Daffodils**	3.00 to 5.00	..... to .....
..... to	.75 to 1.50	**Daisies**	1.00 to 2.50	..... to .....
..... to .15	..... to .15	**Ferns**, hardy	..... to	..... to .....
1.00 to 2.00	..... to	**Freesia**	4.00 to 6.00	..... to .....
..... to .10	..... to .15	**Galax**, green and bronze	..... to	..... to .....
2.00 to 2.50	6.00 to 9.00	**Gardenias**, per doz.	..... to	..... to .....
..... to	..... to	**Lilac**	.75 to 1.00	..... to .....
..... to 12.50	..... to 15.00	**Lilies**, Harrisii and Longi	10.00 to 15.00	12.50 to 15.00
..... to 4.00	4.00 to 6.00	**Lily of the Valley**	2.00 to 5.00	3.00 to 4.00
3.00 to 4.00	3.00 to 5.00	**Mignonette**	2.00 to 5.00	4.00 to 5.00
2.00 to 8.00	2.50 to 3.50	**Narcissus**	1.00 to 2.00	2.00 to 2.50
..... to	75.00 to 100.00	**Orchids**—Cattleyas	40.00 to 60.00	..... to .....
..... to	15.00 to 20.00	Cypripediums	10.00 to 15.00	..... to .....
..... to	..... to	Dendrobium Formosum	30.00 to 40.00	..... to .....
..... to	..... to	**Pansies**, per doz. bunches	.50 to .75	..... to .....
2.00 to 3.00	2.00 to 3.00	**Roman Hyacinths**	1.50 to 2.50	2.00 to 2.50
..... to 20.00	..... to 15.00	**Smilax**, (per doz strings)	1.00 to 1.50	..... to 1.25
..... to	.25 to .30	**Stevia**, per bunch	.16 to .25	.50 to .75
1.00 to 1.50	.75 to 1.25	**Sweet Peas**, (per doz. bun.)	.50 to 1.00	.25 to .75
..... to 3.00	..... to	**Tulips**	2.00 to 4.00	..... to .....
..... to .75	..... to	**Violets**, single	.25 to .50	.35 to .75
..... to 1.00	.75 to 1.50	" double	.50 to 1.00	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

F. E.—The Best Advertising Medium.

is well spent in a visit to the establishment. Many new plants have been added, and a general clean-up given the entire place.

The next meeting of the Florists' Club of Philadelphia will take place on Tuesday, Feb. 1, at which time Mr. Fahrenwald will read a paper entitled "The American Rose Society and its Aims." It is understood that the evening of Feb. 5 will be "ladies' night" and a large attendance is assured.

D. T. Connor has been fortunate in securing a contract for the Lord & Burnham Co., for the construction of an iron frame greenhouse, 600 by 55 ft., of the shadeless ridge type, to be built as soon as weather permits, for the Jos. Heacock Co., in which it is anticipated that Roses will be grown. The house will be built on the property of the company at Roclofs, Pa.

The S. S. Pennock-Meehan Co. is handling a very fine brass vase, suitable for long stemmed flowers. It is of unique design, and will prove popular at the uptown stores.

Last Tuesday night the following gentlemen went to Pittsburgh, Pa., to attend the A. C. S. convention: Chas. Meehan, Robt. Craig, Wm. P. Craig, Edw. Stroud, D. T. Connor, Wm. Swayne and Jos. Heacock, the party taking the 11.05 p.m. train on the Penna. Railroad, the train to which the special car of the New York Florists' Club was attached.

The Leo. Niessen Co. will soon have enough Acacia to fill all orders, as the grower who supplies the annual crop of this product says the plants are in fine condition and a heavy cut is predicted.

Otto J. Thilow of Henry A. Dreer Inc. has returned from his trip to Chicago and other distant cities, and feels much elated over his visits among several of the craft in the various cities visited by him.

A very catchy window decoration was recently executed at Michell's store, 518 Market st., by N. Mattson. It represented an Apple tree in full flower—artificial flowers—with all the necessary spraying appliances and advertising cards extolling the virtues of Kil-o-scale, an insecticide for San José scale, while nearby were perfect Apples showing results of spraying. More such displays will surely result in increased business for the firm.

C. Eisele, at 11th and Westmoreland sts., expects that before long the city improvements which are being carried on around his establishment and hampering his trade, will be completed; his place has been hard to get at, owing to the city blocking up the driveway, etc. It is hoped that about two months more will see this new street with sidewalks and paving, and then Mr. Eisele will rebuild part of the houses removed and open up a store. His retail business has suffered to some extent during the public work going on, but his wholesale trade has been very good and orders are now being taken for Easter delivery.

Boston

The lecture at Horticultural Hall on Saturday, Jan. 22, was of unusual interest and drew a large, appreciative audience. Prof. A. D. Taylor of Ithaca, N. Y., was the lecturer and his subject was "A Study of Continental Landscape Gardening." The lecture was beautifully illustrated by stereopticon pictures. The professor took his audience back almost to the beginning of gardening in Europe and led them, step by step, up through the centuries of gardening, ending with the gardens of Europe, which are to be seen at this time. The pictures of Italian and French gardens were especially good.

These lectures are interesting and instructive and of great value to those who can attend them. Many florists and gardeners are unable to attend as the hour at which they are held is not suitable for them to leave their business. The lectures so far this year lack discussion, which is a great feature of the course. Often the discussion is of more value than the lecture, many practical and valuable points being touched upon which otherwise would be omitted.

The next lecture will be on Saturday, Jan. 29; the subject will be "Apple Growing in New England as a Business."

J. R. Leason, Elginville, Newton Centre (William Harvey, gdr.) exhibited at Horticultural Hall last Saturday a collection of Orchids, which were especially well grown. The exhibitor was awarded a cultural certificate. The most noticeable plant in the collection was Cymbidium Traceyanum, which had five large spikes, each spike carrying a dozen flowers. This is a distinct and beautiful Orchid and was especially well grown. Angræcum eburneum was also well grown and had two large spikes of ivory white flowers. Cypripedium selligerum and C. Leeanum were well grown specimens.

At the Park Street Flower Market, on Saturday, Jan. 22, at 2 p.m., Mr. Ebel of the Aphine Mfg. Co., demonstrated the uses of the insecticide "Aphine" before a large and appreciative audience. Greenfly, mealy bug, and various scale insects were treated with the insecticide.

The H. M. Robinson Co. has just received a large shipment of Box which is of excellent quality and the color exceptionally good. Their Leucothoe sprays, bronze and green Galax and other greens are of the best quality. H. M. Robinson, who has been at home for a few days with rheumatism, is at business again.

C. H. Totty of Madison, N. J., was in town. On Friday evening he gave an instructive and practical lecture before the North Shore Hort. Society on "Chrysanthemums." The meeting was well attended and quite a number of the Boston fraternity journeyed to Manchester to hear the gifted lecturer.

William Sim has a house of Sweet Peas just coming into bloom. Mr. Sim has been building a new dwelling house and will move into it very soon. He has just started his Tomatoes.

This week, at the Park Street Market, J. A. Peterson of Cincinnati exhibited a fine plant of his new Begonia Glory of Cincinnati. Many think this is going to make a fine commercial plant, its upright habit making it better for shipping than the famous Lorraine Begonia. It has a good deal of the same blood as Lorraine, as one of its parents is Begonia Socotrana. The raiser of this novelty says it is much easier to propagate than the Lorraine Begonias and has better keeping qualities.

The King Construction Co. is progressing favorably with the range of greenhouses they are erecting for Alexander Montgomery, Jr., at South Hadley, Mass.

We are glad to report that John Mackenzie, North Cambridge, who has just lately undergone a very serious operation to his foot, is at business again, although his foot is not quite as strong as it ought to be. John has just erected one of the finest apartment blocks in North Cambridge. The cost of the land and building was fifty thousand dollars. His florist store in this building is probably one of the most modern in all its new appliances in the vicinity of Boston.

Thomas J. Grey, the seedsman, has been at home from business with a bad cold but is steadily recovering and will be quite well again in a few days.

We have had a genuine January thaw and the severe snowstorm of a week ago has disappeared. Now we can see more easily the damage done by the Christmas snowstorm to vegetation. Trees and shrubbery have suffered in this vicinity more this Winter than they have probably done in the past fifty years. The only snowstorm we can remember that will in any way compare with that of last Christmas is the storm on the night the steamer Portland was lost.

There is every evidence at the present time of a large gathering at the Gardeners and Florists' Club banquet on Thursday, Jan. 27 at Horticultural Hall. Tickets are selling splendidly. The committees are working hard to make this the best banquet the Club has ever held.

T. Mellstrom, representative of Sander & Sons, England, was in Boston and booked some good orders from the growers. R. C.

Baltimore

The present weather conditions prevailing are much more encouraging to the trade in general than the preceding week; however, we had a light snowfall last Friday night which melted away as it fell in the city but the country was less fortunate, three inches covered the roads; no inconvenience was heard of and the growers made their usual deliveries to the city. Carnations at present are almost a glut; the street fakirs use up the surplus, offering them at 25c. a dozen. Violets are 35c. a bunch of fifty. Roses are scarce and bring a stiff price; the retailer manages to find a way out. Paperwhite Narcissus are in demand, being offered at 50c. a dozen and up. Asparagus seems to meet the requirements. Smilax is seldom over plentiful as considerable is used up.

Pot plants are in demand, especially Ferns.

Funeral work is heavy as the death rate keeps up; many elderly people are dying.

Many balls, banquets, dinners, and entertaining of all kinds are in full blast, calling for various kinds of decorations.

R. Vincent, Jr. & Sons Co. have erected two new houses, 35x250 ft.; 1500 feet of piping was consumed in these houses. J. L. T.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Jan. 24, 1910	Pittsburg Jan. 25, 1910	NAMES AND VARIETIES	Boston Jan. 17, 1910	Detroit Jan. 24, 1910	Cincinnati Jan. 24, 1910
..... to 35.00	40.00 to 50.00	Roses—A. Beauty, fancy—special	30.00 to 50.00	..... to	30.00 to 40.00
..... to 25.00	20.00 to 30.00	" extra	20.00 to 30.00	30.00 to 40.00	..... to .....
12.50 to 18.00	10.00 to 15.00	" No. 1	10.00 to 20.00	16.00 to 25.00	..... to .....
4.00 to 8.00	6.00 to 8.00	" No. 2	..... to	10.00 to 15.00	8.00 to 12.00
..... to	6.00 to 8.00	Killarney	4.00 to 16.00	6.00 to 10.00	6.00 to 12.00
..... to	6.00 to 8.00	White Killarney	4.00 to 16.00	4.00 to 10.00	6.00 to 12.00
..... to	6.00 to 12.00	My Maryland	..... to 16.00	4.00 to 8.00	6.00 to 12.00
4.00 to 8.00	6.00 to 16.00	Richmond	..... to 16.00	4.00 to 10.00	3.00 to 8.00
4.00 to 6.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	4.00 to 8.00	..... to .....
4.00 to 8.00	..... to	K. A. Victoria	..... to	4.00 to 8.00	..... to .....
..... to 8.00	..... to 12.00	Bride, Maid, fancy—special	4.00 to 8.00	..... to	4.00 to 8.00
..... to 6.00	..... to 10.00	" extra	..... to 4.00	8.00 to 10.00	..... to .....
..... to 4.00	6.00 to 8.00	" No. 1	..... to	6.00 to 8.00	..... to .....
..... to	..... to 4.00	" No. 2	..... to	4.00 to 6.00	..... to .....
..... to 1.00	1.00 to 1.25	Adiantum	.75 to 1.00	1.00 to 1.50	..... to .....
..... to	..... to	Antirrhinum, (per bunch)	..... to	..... to	..... to .....
..... to 30.00	30.00 to 60.00	Asparagus, Plumosus, bunches	..... to 50.00	20.00 to 30.00	..... to 25.00
..... to 30.00	20.00 to 30.00	" Sprengeri, bunches	..... to 50.00	20.00 to 30.00	..... to .....
..... to	..... to	Bouvardia	..... to	..... to	..... to .....
..... to 12.50	..... to 12.00	Callas	10.00 to 12.00	15.00 to 20.00	..... to 10.00
..... to	..... to	Chrysanthemums	..... to	..... to	..... to .....
..... to	1.00 to 1.50	Carnations—Inferior grades, all colors	..... to	..... to	3.00 to 4.00
..... to 2.00	..... to 2.00	Standard Varieties: White	2.00 to 3.00	1.00 to 3.00	..... to .....
..... to 2.00	..... to 2.00	Standard Varieties: Pink	2.00 to 3.00	1.00 to 3.00	..... to .....
..... to 2.00	..... to 2.00	Standard Varieties: Red	2.00 to 3.00	2.00 to 3.00	..... to .....
..... to 2.00	..... to 2.00	Standard Varieties: Yellow and var.	2.00 to 3.00	..... to	..... to .....
3.00 to 4.00	..... to 3.00	*Fancy (*The highest grades of Std'd vars.): White	..... to 4.00	3.00 to 4.00	..... to .....
3.00 to 4.00	..... to 3.00	*Fancy: Pink	..... to 4.00	3.00 to 4.00	..... to .....
3.00 to 4.00	..... to 3.00	*Fancy: Red	..... to 4.00	3.00 to 4.00	..... to .....
3.00 to 4.00	..... to 3.00	*Fancy: Yellow and var.	..... to 4.00	..... to	..... to .....
..... to	..... to 4.00	Daffodils	2.00 to 4.00	3.00 to 4.00	..... to .....
..... to .50	1.00 to 3.00	Daisies	..... to	..... to	..... to .....
..... to .25	..... to .15	Ferns, bardy	..... to	..... to .15	..... to .15
..... to	2.00 to 3.00	Freesia	4.00 to 6.00	4.00 to 6.00	..... to .....
..... to .20	..... to .12	Galax, green and bronze	..... to	..... to .12	..... to .10
2.00 to 3.00	..... to	Gardenias, per doz.	4.00 to 5.00	..... to	..... to .....
..... to	..... to 1.00	Lilac	..... to	..... to	..... to .....
..... to 12.50	..... to 16.00	Lilies, Harrisii and Longi	8.00 to 12.00	15.00 to 20.00	..... to .....
3.00 to 4.00	2.00 to 4.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00	..... to .....
..... to	4.00 to 6.00	Mignonette	2.00 to 4.00	4.00 to 10.00	..... to .....
..... to 3.00	2.00 to 3.00	Narcissus	..... to 2.00	3.00 to 4.00	..... to .....
..... to	..... to 75.00	Orchids—Cattleyas	35.00 to 50.00	..... to	..... to .....
..... to	..... to 20.00	Cypripediums	8.00 to 15.00	..... to	..... to .....
..... to	..... to	Dendrobium Formosum	..... to	..... to	..... to .....
..... to	..... to	Pansies, per doz. bunches	..... to 1.50	..... to	..... to .....
2.00 to 3.00	2.00 to 3.00	Roman Hyacinths	..... to	..... to	..... to .....
..... to 1.50	12.00 to 15.00	Smilax, (per doz strings)	1.00 to 1.50	15.00 to 20.00	..... to 1.25
..... to .20	..... to	Stevia, per bunch	..... to	..... to .50	..... to .....
..... to 1.00	.50 to 1.50	Sweet Peas, (per doz. bun.)	..... to 1.00	.50 to 1.00	.75 to 1.50
..... to 3.00	3.00 to 4.00	Tulips	..... to 4.00	3.00 to 4.00	..... to .....
.50 to 1.00	.50 to .75	Violets, single	.75 to 1.00	.75 to 1.50	..... to .....
..... to	.75 to 1.00	" double	.75 to 1.00	.75 to 1.50	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

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WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. CINCINNATI, O.

All Cut Flowers in Season.

—SPECIALTIES—

American Beauties, Killarneys, Richmond, Maryland, Jardines, Brides. (Heller Bros. Stock.) Send me an order.

Greens of all kinds Florist Supplies.

Wire Work.—This department manufactures the best work in the market. Send for Illustrated Catalogue.

Look over your stock and send me a trial order.

How about your "Hanging Baskets" for Spring?

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Headquarters of Western Pennsylvania Growers

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Manufacturers of WIRE DESIGNS

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

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WINTERSON'S SEED STORE

45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

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FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

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HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2788

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"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

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WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

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Greenhouses: MORTON GROVE, ILL.

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Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

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ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

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All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Jan. 25, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	4.00 to 5.00
30-inch stems.. "	.... to 3.00
24-inch stems.. "	2.50 to 3.50
20-inch stems.. "	.... to 2.50
18-inch stems.. "	1.50 to 2.00
12-inch stems.. "	1.00 to 1.25
8-in. stems and shorts "	.75 to 1.00
Killarney	5.00 to 8.00
" extra	12.00 to 18.00
White Killarney	12.00 to 18.00
Richmond	7.00 to 15.00
My Maryland	5.00 to 12.00
Bride, Maid, fancy special	6.00 to 15.00
" extra	4.00 to 6.00
" No. 1	.... to 4.00
" No. 2	.... to 2.50
Perle	5.00 to 12.00
Chatenay	3.00 to 8.00
Kaiserin	.... to 8.00
Uncle John	.... to 10.00
Mrs. Marshall Field	.... to 8.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Bouvardia	2.00 to 4.00
Calla Lily	15.00 to 18.00
Chrysanthemums doz.	.... to ....
" fancy doz.	.... to ....
Daisies	.... to ....
Daffodils	3.00 to 4.00

CARNATIONS		
Standard Varieties	White	2.00 to 3.00
	Pink	2.00 to 3.00
	Red	3.00 to 5.00
	Yel. and Var.	.... to ....
FANCY (The highest grades of Sta'd varieties)	White	3.00 to 4.00
	Pink	3.00 to 4.00
	Red	3.00 to 4.00
	Yel. and Var.	.... to ....
Ferns, hardy, per 1000		.... to 2.00
Freesia		3.00 to 4.00
Galax (green)		.... to 1.25
" (bronze)		.... to 1.25
Gardenias		30.00 to 50.00
Hyacinths, Roman		3.00 to 4.00
Lilac		.... to ....
Lilies, Harrisii and Longi.		15.00 to 18.00
Lily of the Valley		3.00 to 5.00
Mexican Ivy		.... to 1.00
Mignonette		4.00 to 6.00
Narcissus—Paper White		2.00 to 3.00
Orchids—Cattleyas		35.00 to 50.00
" Cypripediums		15.00 to 20.00
Pansies		.... to ....
Smilax		12.00 to 15.00
Stevia, bunch		.25 to .50
Sweet Peas		1.00 to 1.50
Tulips		4.00 to 6.00
Violets, single		.... to .75
" double		.75 to 1.00
		.... to ....
		.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

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VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

Chicago

"Don't ask!" is the answer all give when questioned as to the condition of stock this week. This noted scarcity has been increasing, if anything, the sudden falling off in receipts, being due to the weather.

Roses are scarcer than ever at this time of the year. Killarney, one of the mainstays in the Rose line, becomes dormant about the middle of January, remaining so about two weeks; this is the only bad feature possessed by this popular Rose and, owing to so many growers discarding Brides for White Killarney, the shortage of white Roses is more perceptibly felt this season than at any previous.

Am. Beauty are also off crop and as scarce as any variety of Roses; the growers announce, however, that after taking a careful review of the condition of their houses of Am. Beauty that they have already budded they can expect a new crop in about three weeks, Killarney and other Roses coming in about a week earlier if the weather would only consent to give some sunshine instead of continued clouds and storms.

Record has been made of the conveyance by Arthur W. Dickinson, for a nominal consideration, to the city of Chicago, of a triangular tract of land at northeast corner of Belle Plaine and North Fifth ave. The property is to be used for park purposes only.

Two parcels of land, to be used for small park purposes, have been donated to the special park commission by the Pullman Company, on condition that permission shall be given to erect on one tract a statue of the late George M. Pullman. The plots, which are of an acre each, are on 111th st. The gifts will be accepted by the commission at its next meeting.

The South Park commissioners have bought part of the land for a park (number 18) to be located at Dauphin Park, Ill.

The flowers used at the funeral of John Farson, last Thursday, were most elaborate, the house being practically filled. Noticeable among them was a casket cover of Easter Lilies and emblems of the orders in flowers of the Medinah Temple Shriners and Cicero Chapter, No. 180, R. A. M.

At many of the recent weddings, in place of the bride's shower bouquets, which have become so fashionable the past few years, the old-fashioned bouquets of former years have been used.

T. Matchen is handling the stock at Peter Reinberg's in place of Archie Spencer, who is no longer in the employ of same. A letter from Leonard Kill, who is spending some weeks in California, states that he is having a splendid time.

Winterson's Seed Store has been busy moving a carload of Cannas received last week from the East, and which are meeting with a ready sale. They are also shipping many orders for the "Evergreen Brand" of fertilizer which they are handling for the D. D. Johnson Co.

J. A. Valentine and Emil Glauber of Denver, Colo., arrived in Chicago on Monday morning, and joined the party of Chicago florists who left for Pittsburgh on the 5.30 p.m. train Tuesday. Among those from Chicago and vicinity who will attend the A. C. S. convention in that city are C. L. Washburn, W. N. Rudd, Carl Cropp, M. Barker, Geo. Asmus, N. J. Rupp, P. J. Foley, A. T. Pyfer, Fred Lauterschlager, P. Olson, N. Zweifel, F. Dorner, W. C. Johnson and August Poehlmann.

B. Olson, formerly with J. H. Kidwell, has taken possession of Iralson's store on 47th st. recently occupied by the late John Morgan.

Heinz & Houpt of Niles Centre, Ill., have taken charge of the place given up by Albert Furmann; the plant consists of six large greenhouses which are devoted to the growing of Roses.

Adam Graham of Cleveland, O., spent a short time in this city last week, visiting friends. Mr. Graham is on his way to Japan, expecting to be gone for some time.

Owing to the shortage of coal R. R. Davis & Co. of Morrison, Ill., had frozen a range of houses covering 40,000 ft. of glass which is used for forcing Cucumbers.

C. L. Washburn says they are beginning their seventh week of sleighing at Hinsdale, Ill. This is the first time since they have been established at said place that this has occurred, and the prospects are that it will continue several weeks more. Mr. Washburn has taken with him to the A. C. S. convention some choice blooms of O. P. Bassett Carnation.

D. D. Johnson of the Evergreen Brand Fertilizer, has returned from a trip to Ohio, and will leave shortly for a trip to Michigan in the interest of this business. This firm will mail a reasonably sized trial package of their fertilizer, free, to any State experiment station, providing the application is made direct by the official in charge of the station.

The coal question still remains a problem and as yet deliveries are as uncertain as for some time past. One thing in the favor of the growers is the rise in the temperature, which has relieved them of the necessity of consuming such vast quantities. The amount of coal that has been used this past six weeks far exceeds that between similar dates of recent years.

In the retail store windows the shortage of stock is quite noticeable, as many are utilizing Immortelles, greens and preserved leaves in place of the cut flowers usually displayed.

We noticed at Chas. McKellar's a fine lot of Cyclamen plants full of bloom; they are meeting with a ready sale.

E. C. Pruner of E. H. Hunt Co., is attending the A. C. S. convention this week.

Telegrams reaching some of the wholesalers asking for supplies of Roses indicate that Chicago is not the only market suffering for want of stock; it is impossible to fill any shipping orders for Roses at present writing.

The installation of officers of the Chicago Florists' Club will take place at the regular meeting of the Club, Thursday next, February 3, at Union Restaurant.

Robt. W. Leonard, son of Simon Leonard, president of the Leonard Seed Co., was married Tuesday, January 18, at Kalamazoo, Mich., to Miss Allita F. Hotchkiss. Mr. Leonard is a traveling salesman for the firm of which his father is head; congratulations are extended.

An article by Mr. Leonard on how to grow plants and vegetables by the aid of electricity, as tested at the greenhouses of Peter Reinberg, appeared in last Sunday's Tribune.

H. R. Hughes, the West Side florist, is preparing a very attractive Valentine card, which will be mailed to all the bachelors in his vicinity.

Visitors: John Berterman of Indianapolis, Ind.; C. B. Knickman, representing McHutchison & Co., N. Y.; Fred Dorner, Lafayette, Ind.; J. W. Steiner, with R. R. Davis & Co., Morrison, Ill.

The regular weekly meeting of the Florists' Club Bowling League took place Thursday evening, Jan. 20, at Bensinger's alley, with the following result, three games each team:

CARNATIONS	vs.	VIOLETS
Total, 2228		Total, 2354
ORCHIDS	vs.	ROSES
Total, 2253		Total, 2010

Indianapolis

Mr. and Mrs. Richard Koots are the proud possessors of a fine baby girl.

John Rieman reports an unusual run in made-up pieces. His window presents a most attractive appearance at this writing.

Secretary Baur has left for the Pittsburgh meeting.

Mr. and Mrs. John Bertermann have left for an Eastern trip. They expect to take in the Carnation meeting while away.

Messrs. Smith and Junge inspected the various ranges at New Castle last week. They reported everything in fine order and also a pleasant time with their brethren there.

Edward Bertermann is taking a much needed vacation.

A new flower stand is located at the corner of Ohio and Illinois sts.

Messrs. Robert Ellis and Irwin Bertermann spent a day last week at the E. G. Hill Co.'s establishment in Richmond. There is always much of interest at Hill's and this visit proved no exception. The many varieties of new Roses and Carnations would consume much time of any flower lover. It would be impossible to enter into lengthy detail writings of the many worthy plants found there or to justly outline a few novelties, which will later on be found over the entire land. James Whitcomb Riley, the variety ostensibly visited, is doing nicely under Joe's supervision.

Tomlinson Hall Market reports a brisk wholesale and retail trade. But little if any stock remains at the close of each market day and prices are a trifle better than those of last season.

Homer Wiegand is planning a trip to Louisville in the near future.

Wm. Schilling is showing some fancy Begonia plants.

Visitors: Mr. White with Ralph M. Ward & Co.; Mr. R. Spero with Chas. Zinn & Co., both of New York City.

I. B.

The Troubles of the City Tree

Many and increasing are the forces which work aginst the tree in the crowded city. Gas and sewer pipes poison its roots. Horses gnaw its bark. Sidewalks and pavements pinch its feet. Overhead wires cause its branches to be lopped off. Falling wires and poles, in time of ice storm, break down its branches. The tree has a hard time of it in the city.

Insure Yourself Maximum Crops of Excellent Quality by Feeding and Nourishing Your Plants With

Evergreen Brand Fertilizer

Specially manufactured for growing Flowers, Ferns, Palms, Etc.

Its recommendation is based upon careful, extended and disinterested experiments; showing that this material is a nourishing, easily-available food for crops.

It consists of about half Animal matter and half Minerals, treated and refined; thus it is free from all deleterious substances and will not burn or injure the most delicate plant root, unless an extraordinary amount is applied at the same time.

It is immediately available, and its effect upon most crops may be noticed within six days after its application.

It prevents the onslaughts of plant disease or insect pests.

It will greatly benefit all greenhouse crops; notwithstanding the richness of the prepared soil, since it furnishes all the Plant Food elements in available forms and sufficient quantities to meet the needs of the plants.

It should receive careful attention, because its right use permits not only an economical utilization by the plant but a control of its growth; it may be used in such a way as to change the natural tendency, and thus improve it for specific uses; thus, in addition to the increase in yield which it produces, it enhauces its market value.

Its uniform action seems to be to stimulate the capacity of the plant for absorbing water and developing foliage and stem growth, and to bring out numbers of new shoots; hence with Roses and other flowering plants, the best results are secured when this fertilizer is applied during the early growing period, as the energies of the plant are immediately concentrated upon developing its growth.

Can be used at any time during the growing season, dry or in solution.

Put up in 12-pound cans, price $2.00

For Sale by Leading Jobbers

D. D. JOHNSON COMPANY

Manufacturers

64-66 Wabash Ave., CHICAGO

POT MAKERS FOR 140 YEARS

For "POT LUCK" Try Us

HEWS STANDARD POTS

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO. Inc.

Pearson Street, LONG ISLAND CITY, N. Y.

Established 1765. CAMBRIDGE, MASS.

452-460 No. Branch St., CHICAGO, ILL.

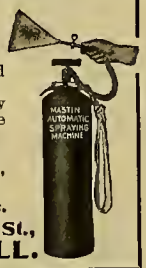
WORLD'S LARGEST MANUFACTURERS

Please mention the Exchange when writing.

The Mastin Automatic White-Wash and Spraying Machine is Reliable, Practical and Durable

The tank is made of galvanized sheet steel, and in brass.
This pump is of brass throughout, simple and powerful.
The mixing device keeps the contents of the tank well stirred up from start to finish.
When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.
All parts are made to gauge, and may be had for repairs.
Ask your dealer about our **Extension Hose, Extension Rods,** and the **Mastin White-wash Nozzle** for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.



J. G. Mastin & Co., 3124 West Lake St., CHICAGO, ILL.

Please mention the Exchange when writing.

DREER'S KEYSTONE CEDAR PLANT TUBS.

	Diam.	Each.	Doz.	100.
A	11 in.	.65	7.15	55.00
B	12¼ "	.75	8.25	65.00
C	13¾ "	.85	9.35	75.00
D	14¾ "	1.00	11.00	90.00
E	15¾ "	1.25	13.75	110.00
F	16¼ "	1.50	16.50	130.00

Three largest sizes have handles.

Special PAIL TUBS.

8 inches.	.30	3.50	28.00
11 "	.30	3.50	28.00

Painted Green.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

WE HAVE

Fern Pans all sizes up to and including 10 inches. Our stock of **St. Pots, Azalea Pots, Bulb Pans, etc.,** is complete. Special attention given to mail orders, which are shipped the the same day as received.

TRY US

KELLER POTTERY CO.

213-215 Pearl St., NORRISTOWN, PA.

Please mention the Exchange when writing.

VIOLET CULTURE

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.,
2-8 Duane Street, New York

Green Flies and Plant Lice too

are easy to kill with

The Fumigating Kind Tobacco Powder

Not genuine without it.

All *our* bags have our guarantee tag on the bag, reading "Satisfaction or Money Back," and this trade mark

$3.00 per bag 100 lbs.

It costs 15 cts. to thoroughly fumigate a house 100x25.

We sell direct to the grower.

The H. A. Stoothoff Co.
Mount Vernon, N. Y

Please mention the Exchange when writing.

THE AMERICAN CARNATION

Price $3.50

A.T. DE LA MARE PTG & PUB CO. LTD

WIZARD BRAND MANURES

TRADE MARK

Dried, screened and packed in bags of 100 lbs. each.

Pulverized Sheep Manure

Pure — Uniform — Reliable.

A strong and quick acting manure, highly recommended for carnations and chrysanthemums.

Shredded Cattle Manure

Easy to handle and apply.

Stronger and better in every way than rough manure. Lasts much longer on the benches. Unequalled for mulching and feeding roses, liquid manuring and mixing with bench and potting soil. Used by all the largest growers.

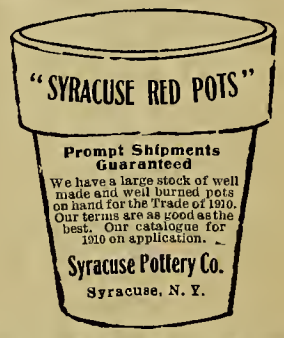
Ask your supply man or write us for circulars and prices.

The

PULVERIZED MANURE CO.

34 Union Stock Yards, CHICAGO

Please mention the Exchange when writing.



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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

	Price per crate.		Price per crate.
1500 2 in. pots in crate,	$4.80	120 7 in. pots in crate,	$4.20
1500 2¼ " "	5.25	60 8 " "	8.00
1500 2½ " "	6.00		
1000 3 " "	5.00	HAND MADE	
800 3½ " "	5.60	48 9 in. pots in crate,	$3.60
500 4 " "	4.50	48 10 " "	4.80
456 4½ " "	5.24	24 11 " "	3.60
320 5 " "	4.51	24 12 " "	4.80
210 5½ " "	3.78	12 14 " "	4.80
144 6 " "	3.16	8 18 " "	4.60

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.

August Rolker & Sons, Agts., 51 Barclay St., N.Y. City

Please mention the Exchange when writing.

THE BEST BUG KILLER AND BLOOM SAVER

For PROOF Write to

P. R. PALETHORPE CO.
Owensboro, Ky.

Please mention the Exchange when writing.

KILMDEAD

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FERTILIZER

For Plants, Lawns, Gardens, etc.

A natural Plant Food and Soil Improver, guaranteed to contain no acid or chemicals. **Try it! $25.00** per ton, **$7.50** per 500 lbs., **$2.00** per 100 lbs.

WILLIAM M. DAVIDGE, Selling Agent
P.O. Box 148 Madison Square Station NEW YORK

Please mention the Exchange when writing.

All the Clay

for our

Florists' Red Pots

is prepared by passing through a screen 600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.
ZANESVILLE, OHIO

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F. E.—The Best Advertising Medium

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the **Exchange.**

Tobacco Paper "NICO-FUME" LIQUID

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BULBS and THEIR CULTIVATION

By T. W. SANDERS, F. L. S., F. R. H. S.
Crown 8vo., Cloth, 212 pages, 42 illus.

The Week's Work

BY

FRITZ BAHR

Carnations

Preventing Diseass in the Cutting Bench

It is a common practice with many growers to use the sand in the cutting bench over and over again. How very wrong this is many of us have had to find out. There are times during Winter when one can get caught short of sard, and only then is there an excuse for using the same sand twice for propagating. Because you haven't had, or noticed, any bad result from using sand for several batches of cuttings isn't any reason for doing it, for it might be a dear experience when you do get a good dose of fungus and stem rot in some valuable cuttings. The good grower realizes that there is no better nor surer way to fight disease of any kind in plant life than to prevent it. We are, all of us, very much in darkness, as yet, regarding the proper remedies for plant diseases of any kind. No one will dispute that, when plants are really sick or infected with disease, with all that is known in science uptodate we, only too often, lose the plants. With indoor stock this is even more noticeable; but one thing we can do, and that is by cleanliness prevent many fungous diseases. A cutting of any kind affected with disease, even if it doesn't die, has a hard time to grow into a good strong plant, therefore why not take every precaution to avoid trouble whenever possible. I am sure in a great many cases where the grower looks for outside help to solve the problem of stem rot, especially on the young stock, it can be traced to unclean conditions; and particularly is this the case when the loss of cuttings is caused by fungus. I don't mean to say that this holds good in every case, for there are other causes to bring about conditions favorable for the spreading of diseases.

Treating the Sand for Propagating Purposes

For the Carnation grower it is certainly of great importance to use nothing but fresh sweet sand. Whether this comes from pit, lake, or river is immaterial, but have it free from other matter. Soil of any kind in sand is liable to breed fungus during the dark Winter months. The right way is to remove every bit of sand from the bench after a batch of cuttings is rooted, and thoroughly clean every corner of it before the fresh sand goes into it. If there is any danger of fungus, the following formula is as effective as it is old: Two quarts of ammonia (aqua) strength 10°, and one pound of sulphate of copper; when the sulphate is properly dissolved, use one tablespoonful of this mixture to a gallon of water. It doesn't hurt in the least to dip Carnation cuttings in this solution before they go into the sand, or water the sand before the cuttings are inserted. It is a sure preventive of fungus. Whenever there is a good reason for using old sand over it should always be made use of, no matter what kind of plants you are propagating. One other important point with the propagating bench is to have it arranged so that there is perfect control of drainage. If a cutting has to be in the sand from 20 to 30 days, a soaking wet condition of the sand during all of that time can't be good. You may succeed in rooting the cuttings, but you also bring about favorable conditions for disease, as well as weaken the cuttings, which makes them more subject to disease. Drainage is as necessary in the cutting bench as anywhere else—more if anything—so see to it that the water has a way to get through.

Verbenas

Grow to Supply a Demand for Better Stock

The Verbenas, considered by many as common plants, are as much in demand for bedding as ever. We may not sell as many as we did years ago, when we did not have the great bedding Cannas, and when Salvias were not used as they are today. Then, the Verbenas played an important part, especially as low priced plants. Stock in 2″ or 2½'s, a single stem with a flower on top, was sold by the tens of thousands. It was a matter of cheapness, and while certain trade today even demands such stock there is also an increasing demand for well grown plants noticeable, plants grown in 3½″ pots with four to five flower heads. Bushy plants which can be sold at a good price have the preference when once introduced. The retail grower will find the growing of such not only more pleasant but more profitable. There is more and more demanded of us each year. If we want to stay in the ring the day where quantity was the watchward with the florist is rapidly passing. Quality comes first, and while it may seem hard work to get a certain class of people used to the paying of a higher price for a better article, yet this ought to be our constant aim. Everything that we use to do business with is constantly getting dearer, and while the florist has kept pace, faithfully, in the cut flower line, his progression hasn't been so pronounced with bedding stock. The "one dollar per dozen" sign for 4-inch Geraniums is still made use of by many. If the plants are not worth any more they don't belong to 4-inch pots. You can't grow a good Geranium of that size for that price, and so with Verbenas. Grow a few good plants in larger sized pots than 2-inch. Let your customers see the difference, and charge accordingly. They may buy less in number, but will take the better plants, and that's the object. Grow fewer in number in a certain space, but better stock.

Growing the Stock from Seed

In order to have the best results with Verbenas when grown from seed, sow early and let the plants come along in a house not over 50° at night—a little below is even better. This will produce a short, stocky growth and dark leaves, while a high temperature means a weak spindly growth. Sow now. If separate colors are desired select white, deep and light pink, red and just a small portion of blue. They will come almost true from seed. We find the white and the deep pink the best sellers. When large enough, transplant the seedlings into flats, and later into 2½'s. Verbenas like a good stiff loam, to which should be added one third of well rotted manure. When the plants are about 4″ to 5″ high we pinch them back to encourage the little plants to branch out. Sometimes this is not necessary but, especially when grown in close quarters, if not pinched the plants will run up into a straight shoot and bloom. A shift of the best plants into 3½'s about April 10, and giving the stock plenty of room on a sunny bench, will result in nice bushy plants, which will have seven to ten good straight shoots each, and from 3 to 6 open flowers by bedding out time. We find stock grown from cuttings, while, of course, always true to name, is not as well adapted to the above described method of culture; they do not make as much growth as the seedlings, but are easier to get into bloom, which fact, when only small plants are required in bloom, is in their favor.

Marguerites

Small Stock for Made-up Dishes for Easter

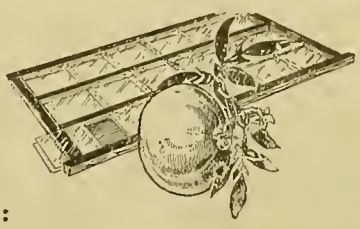
No matter how many new Roses or Carnations may appear, the public does not seem to tire of the Marguerites, or Daisies, one bit. There is always a demand for them, either as cut flowers or as pot plants. The great times for selling the latter are Easter and Decoration Day. A well grown plant in bloom, one which isn't too tall, always sells on those occasions. To have a plant in a pot not too large, and foliage down to the pot, is almost impossible, for as soon as the wood of the plants hardens the leaves drop off. The only complaint we ever had in selling Marguerites was on that account; while the tops of the plants were all that could be desired the lower parts were bare, and thereby made the whole look bad. To grow the large plants, if wanted for pot plants in bloom for Easter, requires a great deal of attention. A crowded condition should be avoided, and a really much better way is to use smaller plants and put a number of them into dishes ranging from 6″ to 12″ in diameter. In that way you can have both the same amount of flowers as on a large pot grown plant, as well as foliage right down to the rim of the pan. This will require the growing on of the plants in small pots, such as 2½'s or 3's up to two or three weeks before Easter, and then making up the dishes or pans they are to be sold in; for if you were to plant the small plants into the dishes now nothing but a rank growth would be the result. A Marguerite, to bloom, needs to be pot bound, so any stock that you have now in 2½'s or 3's does not need another shift, if wanted to bloom for Easter; nor do they want to be cut back—give them room, and an occasional dose of liquid cow manure. Of course, if the small stock has been in the pots for some time and is in need of a shift it will be better to let it have a half size larger; even then the plants can be used for made-up dishes. The stock of Marguerites intended for Spring sales should be kept growing; shifting the 2's or 2½'s into 3½'s and pinching the plants back will make them bushy and prevent them from blooming for weeks to come.

Spiraeas

Cultural Notes for the Easter Stock

There are but few of us who could not get along nicely without the Spiræas at Easter, and yet whenever we haven't any for that day we seem to miss them. They are of most value

Get ready to grow plants for Spring



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when used for decorating; in that way they will often take the place of more valuable plants and answer fully as well. The retail grower can also make use of left-over plants whenever flowers and green are wanted for funeral work; quite frequently, a few pots will come in very handy in that way. The unsold plants if planted out in the nursery row will in two years make fine stock again for forcing. While it doesn't require nine weeks, to get the plants of S. Japonica into bloom, one should allow plenty of time, for if the plants had a 60° house 10 days before Easter, a lower temperature will help to harden the plants and thereby have them in better shape. The old method of starting the stock below some bench is all right when short of room, but whenever this is not the case let them start to grow on the top of the bench. I have seen Spiræas make 18 inches of growth below a bench before they were brought to the light—this will not happen when the plants are on top. A bench in a Carnation house for the next four weeks will be the proper place for stock intended for Easter. By the end of February if not sufficiently advanced—by that I mean that the flower buds hardly show—a Rose house will soon give results. While the Spiræas are hardly ever infested with insects which would require fumigating, some of the other stock in the house they are in most likely does and as the fumes of tobacco ruin the tender leaves of the Spiræas use care in this respect. While the plants are small cover them properly whenever fumigating is necessary, and when the plants are of considerable size either remove them, or instead of fumigating, spraying with a nicotine solution might be recommended. The attention of the beginner should also be called to the fact that the plants should never be allowed to suffer for the want of water.

Lily of the Valley

Forcing the Last Fall's Imported Stock

From now on, with each week as we come nearer the time of the natural flowering of the Valley, less bottom heat will be required to get the pips to bloom. A temperature of from 80° to 85° for the roots to be in will give good results. For the retail grower it always pays to have a good number forced in pots; quite frequently one finds a customer for such, and if not sold, they can be cut, for the flowers and foliage on the pot plants will be equally as good as those forced out of pots. Be a little particular when potting the pips; have the outside row close to the inside of the pot and let only the pip itself project above the rim of the pot. Have the pips evenly distributed and even on top. It matters but little what you use to plant the roots in, the main point is to maintain a steady bottom heat and not let the roots suffer for the want of water, for heat and moisture are the only things practically required to bring the foliage and flowers, and it depends on the proper care in those respects as to what sucess you have with them. There is no necessity of maintaining 85° overhead, 60° is nearer right, but shading is necessary to get the desired length of stem.

Kalamazoo

A week of good weather together with the wedding of one of the most popular young ladies of the city made most of the florists busy with home trade. Shipping trade has been good right along, the dull weather keeping the supply easily under the demand. Bulbous stock of all kinds and Callas are in plenty but cannot be called in active demand, this stock chiefly being used as a filler.

Activities have already commenced for a considerable amount of building this year. Van Bochove's have already received one carload of glass and one of pipe and fittings, two boilers of 150 h. p. each, and the necessary quantities of iron gutters and roofing material for the 30,000 ft. addition they intend to erect as soon as weather permits.

William Thomas is preparing to erect a house, 100x27 ft., with all the necessary modern improvements, in order to meet the demands of his increasing business. Fred Marker will also be busy with one or two re-modeled houses; so, on the whole, we expect to be able to accommodate all the business that comes our way.

James Fraser, who made many improvements last year, has now an up-to-date establishment and is doing good business. He expresses great satisfaction with the solid bed arrangement in his Carnation houses which has more than equaled the products of the raised beds. A bed of Callas Lilies is certainly good proof of his assertion, and promises to be a money maker for him for a long time to come.

I am sorry to report the death of Mr. Neuner's wife, a short time ago. Mr. Neuner is Van Bochove's Rose grower.

S. B.

3 Houses, 150x30—7 foot sides

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It was during that near blizzard last month. Mr. Schuneman's houses are open to a clear wind sweep for miles. When our man went down after the storm there wasn't a cracked glass in all three houses, and they were as clear of snow and ice as on a summer's day.

The other fellow had a truss house—(not an extra wide one, either). When the wind struck his house, he thought sure it was going down—now he has planted a windbreak to save it. It's these straight from the shoulder facts brought out by real tests that show just how good and staunch the Hitchings houses are.

It will pay you many times over to put up Hitchings houses.

Let us hear from you.

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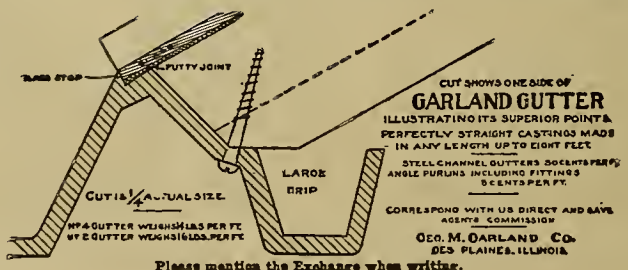

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Luther Burbank

The New York Times of Jan. 16 contained an article headed "Doubts Cast on Burbank Wizardry," in which attention was called to the part that gentleman's name had recently played in the lurid advertising of certain land boomers, the New South Farm and Home Company, with offices in Chicago, that concern having, in October and November last, published a two-page advertisement in numerous papers headed "Luther Burbank's Marvelous Farm Products will make your Fortune in Florida," and in the course of which advertisement were included two letters purporting to be from Mr. Burbank. One of these letters contained an alleged facsimile of his signature. The attention of our readers to this advertisement was called at the time (Page 732, issue of Nov. 13).

In addition, the New York Times' article dealt with the controversy concerning the Wonderberry and the so-called Spineless Cactus. And it also spoke of the $10,000 annual grant to Burbank for ten years from the Carnegie Institute, in order that he might pursue his scientific studies unhampered by lack of funds.

In justice to Mr. Burbank and in order that he might be heard from, we reprint his reply to the Times' article, telegraphed from Santa Rosa, Cal., his home.

To the Editor of The New York Times:

SANTA ROSA, CAL., Jan. 17.—At the time of introducing some of the first of my spineless Cactus (Opuntias,) nearly three years ago, the following words occupied the first place in the catalog:

"For more than fifty years I have been quite familiar with thornless Cactus of many species and varieties. In fact, one of the first pets which I had in earliest childhood was a thornless Cactus, one of the beautiful Epiphyllums.

"The Phyllocactus and many of the Cereus family are also thornless, not a trace to be found on any part of the plants or fruit.

"Thus the somewhat indefinite popular name of 'thornless Cactus' has been used by persons unacquainted with these facts, for be it known, that a thornless Cactus is no more of a novelty than a thornless Watermelon.

"But among the Cacti, which grow to an immense size with great rapidity, and which can be readily cultivated in garden, field, or desert, no perfectly thornless ones were known and very little interest was taken in the Cactus of any kind, either thorny or thornless, as to their agricultural or horticultural value, until the work of improvement was taken up on my experiment farm and improved. Perfectly thornless rapid-growing varieties have been produced and made known within the last few years.

"The facts in the case are too well known to need comment. Let some one even now mention a single absolutely thornless Cactus of agricultural value produced by anybody or not produced on my grounds.

"I am exploited, whether willing or not, and very much against my own wishes. Does it pay to exploit commercially a proposition which does not stand on a sound basis of character and value?

"It was mutually agreed upon and fully understood both by the Carnegie Institute and myself that I should have the privilege of supplementing their inadequate annual aid toward the continuation of my experiments by the sale of my productions as before.

"I am now past 60 years of age. I have done good work and no one is dependent upon my efforts. The grant brought with it more care, responsibility, correspondence, and visitors and a full crop of envy and jealousy, and but for the advice of friends I should have dissolved my connection with the institution last year.

"Personally, I have no desire for wealth or fame—a thirst for these is the root of many evils. My ambition has been to leave the world better for having passed this way.

"To be misjudged is a passing trifle; to have lost a life of honest, earnest labor is a tragedy."

It will be noticed in his reply that Mr. Burbank does not deny the connection of his name with the misleading advertising of the New South Farm and Home Co. of Chicago, which is to be regretted.

Landscape Gardener (Male) Wanted

The United States Civil Service Commission announces an examination on March 3, 1910, to secure eligibles from which to make certification to fill a vacancy in the position of landscape gardener (male), $2400 per annum, Engineer Department at Large, Washington, D. C., and vacancies requiring similar qualifications as they may occur.

Applicants should at once apply to the United States Civil Service Commission, Washington, D. C. No application will be accepted unless properly executed and filed with the Commission at Washington. In applying for this examination applicants should ask for "Form No. 104, Landscape Gardener (male) Engineer Department at Large," and should do this without loss of time.

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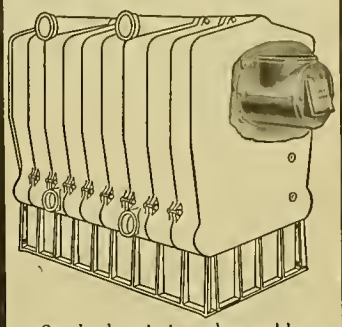

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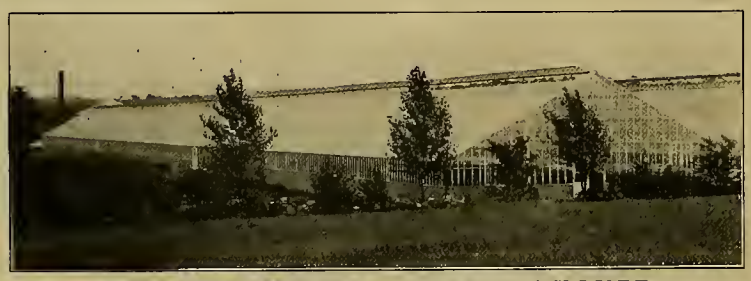

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GREENHOUSE GLASS

ALL SIZES

16x24 A. & B. Double a Specialty

C. S. WEBER & CO.,

10 Desbrosses St., New York

Please mention the Exchange when writing.

For Good Serviceable **SECOND-HAND PIPE**

Our prices are—1 in pipe, $2.52; 1¼-in., $3.55; 1½-in., $4.05; 2-in., $5.55; 2½-in., $8.50; 3-in. $11.00 per 100 feet. We also sell Boiler Tubes.

ALBERT & DAVIDSON, Brooklyn, N. Y.

Tel. 2225 Williamsburg 68-70 Troutman St.

Please mention the Exchange when writing.

Final Report of the A. C. S. Meeting at Pittsburgh

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 6 NEW YORK AND CHICAGO, FEBRUARY 5, 1910 One Dollar Per Year

Amherst MASS

WHAPS Hall M A C

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of the different varieties of

NEPHROLEPIS

which will be found one of the best-selling and most profitable plants that florists can handle. Our stock is in unusually fine shape, and we will guarantee it will please the most exacting, as it is exceptionally good value at the prices quoted.

Improved Elegantissima. The finest of all this type. It was introduced by us in 1905. This form of Elegantissima has been greatly improved, and shows no tendency to revert to the Boston, making it the most valuable fern of this type.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8-in., $12.00 to $18.00 per dozen—according to size.

Superbissima. Introduced by us in 1908. A very unique and distinct novelty. Its distinguishing characteristics are its dark green foliage and dense growth. Fronds are very heavily imbricated, making them very dense and compact.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8 in., $12.00 to $18.00 per dozen—according to size.

Bostoniensis, Piersoni, Whitmani, Scottii—Extra fine plants, 6-in. pots, $6.00 per dozen; 8-in. pans, $12.00 per dozen.

F. R. PIERSON CO. Tarrytown-on-Hudson New York

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

GRAFTED AND OWN ROOT ROSES

WHITE KILLARNEY (Waban Strain)

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.50 "	8.00 "	75.00 "

KILLARNEY

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

MY MARYLAND

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	6.00 "	50.00 "

RICHMOND, KAISERIN, BRIDES and 'MAIDS

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

NEW CARNATIONS

From 2¼-inch pots. Immediate Delivery.

Alma Ward, $3.00 per doz., $5.00 for 25, $10.00 for 50, $16.00 for 100.

Mrs. C. W. Ward, $2.00 per doz., $14.00 per 100.

CHRYSANTHEMUMS

The best of the new ones and the best of the standards. Commercial varieties exclusively. We are booking orders for both rooted cuttings and plants from pots for February and March delivery.

BEDDING PLANTS

Coleus, Salvia, Alternanthera, Heliotrope, Ageratum. Now ready.

Send for catalogue

Please mention the Exchange when writing.

Grafted & Own Root Rose Plants

I am now booking orders for Rose stock. Have exceptionally fine plants to offer this season, the scions having been taken from good, strong flowering wood and grafted on extra selected Manetti stocks. My own root stock is also in first class condition and includes the following varieties:

Killarney, Richmond, White Killarney (Waban strain), **My Maryland, Kaiserin, Bride and Bridesmaid.**

Send for prices.

W. H. ELLIOTT

BRIGHTON, MASS.

Please mention the Exchange when writing.

GERANIUMS

OUR Special Illustrated Geranium Catalogue describes the largest and most complete collection in the country, at $2.00 per 100 good Standard Varieties, up to 50 cts. each for 1909 European Novelties.

For $18.50 cash we will send 50 each of 20 distinct varieties, our selection, a collection on which we are willing to stake our reputation.

One each of 50 varieties 1909 introduction, our selection, for $5.00

IVY GERANIUMS, 6 Varieties..... $2.00 per 100.
SCENTED GERANIUMS, 6 Varieties..... 2.00 "
VARIEGATED GERANIUMS, 5 Varieties..... 3.00 "

DOUBLE LOBELIA, Kathleen Mallard; ALYSSUM, Giant and Double; LEMON VERBENAS, FUCHSIAS, 6 Varieties; SALVIA BONFIRE; PETUNIAS, Double Mixed; HARDY CHRYSANTHEMUMS:—From 2-in. pots $2.00 per 100.

FUCHSIAS, 3 in., 75c. per doz., $3.00 per 100.

CANNA ROOTS, strong divisions, $1.75 to $2.50 per 100, $18.50 per 1.000

DAHLIA ROOTS, whole clumps, $5.00 per 100, $40.00 per 1000. Mixed to color, $4.00 per 100, $35.00 per 1000.

Cash With Order. Visitors Always Welcome.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MARYLAND

Please mention the Exchange when writing.

Contents and Index to Advertisers, Page 211

GREEN CANE STAKES

For your Lilies, 6 to 9 ft..... Per 1000 $7.00
For your Lilies, 9 to 13 ft..... Per 1000 13.00

	Per 100	Per 1000
LILY OF THE VALLEY PIPS	$1.40	$12.00

	Trade Pkt.	Per Oz.
AGERATUM, Imperial Dwarf Blue	$0.10	$0.20
ASPARAGUS PLUMOSUS NANUS.....1000 seeds $3.50		
ASTER, Perfection, in colors	.25	1.25
BEGONIA, Vernon	.25	2.50
BELLIS PERENNIS, named sorts	.25	1.25
CENTAUREA, Gymnocarpa	.15	.35
COBÆA SCANDENS	.15	.40
CYCLAMEN GIGANTEUM, in colors....100 seeds $0.75		
LOBELIA, Crystal Palace Compacta	.25	1.25
MYOSOTIS, Dwarf Victoria	.25	.80
RESEDA, Machet	.10	.25
SALVIA, Bonfire	.25	2.50
STOCKS, Large Flowering, in colors	.25	2.50
SWEET PEAS, forcing varieties.....Per lb., $0.75		
VERBENAS, Elliott's Mammoth	.25	1.00
VINCAS, in colors	.15	.50

WM. ELLIOTT & SONS
42 Vesey St., NEW YORK

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To Our Florist Friends

FILL UP THE GAPS with GLADIOLI

(The Flower that is just coming into its own)

PLANTED NOW where Carnations have missed, you will have a profitable crop

Leading Varieties That Are Winners

	Per 1000
AMERICA, flesh pink	**$35.00**
ATTRACTION, crimson with white throat...	**30.00**
EASTER, white, lemon tinge	**12.00**
SHAKESPEARE, white, suffused carmine...	**50.00**

8% discount for cash with order

Our **White** and **Light Mixed** are equal to **any** in the world at **any price**

Write us for prices if your dealer does not carry our stock, which is noted for **superior merit.** We believe that we are the largest growers of **Gladioli** in the world.

JOHN LEWIS CHILDS, Floral Park, N.Y.

Please mention the Exchange when writing.

Sweet Peas

We carry **in stock** all the **LEADING** and **UP-TO-DATE VARIETIES,** and have **MANY TESTIMONIALS as to QUALITY** and **TRUENESS of TYPE.** Catalogues Free.

ARTHUR T. BODDINGTON, SEEDSMAN, 342 W. 14th St., NEW YORK CITY

Please mention the Exchange when writing.

S. & W. Co.'s Begonias and Gloxinias

Our stock of these bulbs are the best and finest strains in existence; we have been supplying the same customers for the past ten years with our strains, and adding new customers each year.

BEGONIAS

SINGLE

Scarlet ... 1¼ to 1½ in. / Dark Red / Pink / Rose / White / Yellow / Orange / Salmon / Mixed — **40c. per doz. / $2.50 per 100**

DOUBLE

White / Yellow / Orange / Rose / Dark Rose / Dark Red / Red / Salmon / Mixed — **65c. per doz. / $5.00 per 100**

GLOXINIAS—S. & W. Co.'s Superb Strain

	Doz.	100
Emperor Frederick, red, bordered white	$0.75	$5.00
Emperor William, violet, bordered white	.75	5.00
Princess Elizabeth, white, bordered blue	.75	5.00
Mont Blanc, pure white	.75	5.00
Violacea, dark violet	.75	5.00
Madame Helene, white, crowned violet	.75	5.00
Princess Mathilda, white, bordered rose	$0.75	$5.00
Queen Victoria, dark rose	.75	5.00
Defiance, scarlet	.85	6.00
King of the Reds, deep scarlet	.85	6.00
Prince Albert, dark violet	.85	6.00
Finest Mixed	.60	4.00

Stumpp & Walter Co 50 Barclay St., NEW YORK

Please mention the Exchange when writing.

K. van Bourgondiën & Sons
HILLEGOM—HOLLAND

Extra Dutch Bulbs Extra

We beg to inform the Trade, that our Messrs. K. H. and C. J. van Bourgondiën have again arrived for their annual trips through the United States and Canada.

It will be of the greatest advantage to every firm needing **A1 Bulbs** to correspond with us and give us a trial. Our many years of successful business in the United States, which every year has increased, clearly proves enough. Address until May 1, 1910

Care MALTUS & WARE,
K. H. van Bourgondiën, 14 Stone St, NEW YORK

LILIUM TENUIFOLIUM

LILIUM WALLACEI
Single and Double TIGERS
Named Varieties of Elegans
GERMAN IRIS
DELPHINIUM FORMOSUM

E. S. MILLER
WADING RIVER, LONG ISLAND, N.Y.

Please mention the Exchange when writing.

SEED (by the oz. or lb.) **PANSIES** PLANTS 150,000

The Jennings Strain, fine field-grown plants, large-flowering, in great variety of fancy colors. Strong plants for cold frames, $3.00 per 1000, by express, 50c. per 100 by mail.

PANSY SEED, finest mixed, $5.00 per oz., $1.00 per pkt. of 4000 seeds. Sample of Pansy blooms by mail free.

SALVIA, Splendens and Bonfire. My Own Growing. Trade pkts. 25c. and 50c. each.

E. B. JENNINGS, Lock Box 254 Southport, Conn.
Grower of the Finest Pansies

Please mention the Exchange when writing.

JOHNSON'S SUPERIOR QUALITY Aster Seed For Florists

The highest developed types from the leading American and European Specialists.

Write for our complete Flower Seed List for Florists, just issued

Queen of the Market. Extremely early selected stock.

	Large tr. pkt.	Oz.
Dark blue	$0.20	$0.60
Light blue	.20	.60
Pink	.20	.60
Crimson	.20	.60
White	.20	.60
Mixed	.20	.60

Johnson's Superb Late Branching. The finest strain offered to the trade. Late flowering, resembling a Chrysanthemum.

	Large tr. pkt.	Oz.
Lavender	$0.25	$1.00
Rose-pink	.25	1.00
Shell pink	.25	1.00
Purple	.25	1.00
Crimson	.25	1.00
White	.25	1.00
Choice Mixed	.20	.90

Hohenzollern. Flowers measure 4 to 5 in. across.

	Large tr. pkt.	Oz.
Azure blue	$0.25	$1.25
Bride. White changing to rose	.25	1.25
Crimson	.25	1.25
Pink	.25	1.25
White	.25	1.25
Mixed	.20	1.00
Snowdrift. Pure white. The earliest large-flowering white Aster	.30	2.50
Violet King	.25	1.50
White Fleece. Pure white	.30	1.75
Daybreak. Delicate pink, very double	.30	1.75
Purity. Pure white	.30	1.75
Lavender Gem	.30	2.25
Royal Purple. Extremely early. Invaluable for cutting	.25	1.50

JOHNSON SEED CO., 217 Market Street, PHILADELPHIA

Please mention the Exchange when writing.

Seasonable Seeds

CALADIUM esculentum, Fancy Caladium from Brazil. GLADIOLI, all sorts. Japan IRIS. Japan LILIES. Double-flowering CHERRIES for Easter. Send for our new Spring list. Ready by January 10.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.

XXX SEEDS

LOBELIA, Pumila Splendens, dwarf, very dark blue, finest of all the Lobelias; pkt. 20c.

SALVIA, Wm. Pfitzer, extra fine, dwarf, very fiery red. Trade pkt. 25c.

ALYSSUM COMPACTUM, most dwarf and compact variety grown, perfect balls when grown in pots, pkt. 20c.

PETUNIA STAR, improved, finest marked flowers, very fine, pkt. 20c.

PETUNIA, GIANT, single fringed large and fine, pkt. 20c.

PHLOX DRUM. PUMILA, very dwarf, grand for pots, fine color, pkt. 20c.

CHINESE PRIMROSE, finest grown, single and double, mixed, 500 seeds, $1.00; ½ pkt. 50c.

PRIMULA KEWENSIS, the grand new sweet-scented yellow Primrose, pkt. 20c.

CINERARIA, large-flowering, dwarf, mixed, 1000 seeds, 50c.; ½ pkt. 25c.

GIANT PANSY, finest grown, critically selected, 6000 seeds, $1.00; ½ pkt. 50c.; oz. $2.50.

COLEUS, New Hybrids, fine colors, pkt. 20c.

VERBENA, Improved Mammoth, finest giants grown, mixed or separate of white, scarlet, pink, striped and auricula-eyed. Large trade pkt. 25c.

IRISH SHAMROCK

THE REAL THING! GREEN.

Very fine and strong; ready for immediate shipment; perfect beauties. Per 100 $4.00, 50c. per doz. postpaid.

CASH. Liberal extra count.

JOHN F. RUPP, Shiremanstown, Pa.

RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

CAULIFLOWER SEED
CABBAGE SEED

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR, HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

Try The Following

CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
PANSY—"Burnett's Gorgeous Strain."
STOCKS—"Burnett's Perpetual White."
CAULIFLOWER—Burnett's Selected "Snowball."

Write for our Illustrated Catalogue

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

Vegetable Seeds

FOR FORCING

Stokes' Standards are Always the Finest Strains

Tomato, Bonny Best Early, the finest tomato for forcing known; better than the Comet or Lorillard. Seed specially saved for greenhouse growing. Pkt., 20c.; ½ oz., 75c.; oz., $1.25.

Radish, Prussian Globe, ¼ lb., 20c.; lb., 60c.

Radish, Stokes' Scarlet Globe, ¼ lb., 20c., 1 lb., 60c.

Lettuce, Grand Rapids Forcing, oz., 10c.; ¼ lb., 25c.; lb., $1.25.

Lettuce, Stokes' Big Boston, oz., 10c.; ¼ lb., 35c.; lb., $1.25.

Add postage, 8c. per lb., if wanted by mail.

Let me estimate on your Spring requirements for vegetable seeds.

Stokes' Seed Store
219 Market St., Philadelphia, Pa.

Please mention the Exchange when writing.

CABBAGE

Wakefield and Succession, $1.00 per 1000, $8.50 per 10,000.

PARSLEY, 25c. per 100, $1.25 per 1000.

LETTUCE, Big Boston, Boston Market and Grand Rapids, $1.00 per 1000 Cash with order.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

Please mention the Exchange when writing

ONION SEED==ONION SETS

We are large growers of and dealers in Onion Seed and Onion Sets.

Write for prices on 1909 crop.

Can also quote contract prices for the 1910 Onion Seed crop.

SCHILDER BROS., Chillicothe, O.

Please mention the Exchange when writing.

GET QUOTATIONS FROM

LANDRETH SEEDS which SUCCEED

Bloomsdale Farms **Bristol, Pa.**

Please mention the Exchange when writing

EVERY FLORIST WHO GROWS ASTERS

Should Send for Our Aster Book Immediately

Get your name on our files for our regular **Florists' Wholesale Catalogue.** These books are free.

JAMES VICK'S SONS
ROCHESTER, N. Y.
Mention this paper

Please mention the Exchange when writing.

FAMOUS ASTER

LADY ROOSEVELT

Gorgeous Pink, 20 to 40 inch stems, scientifically grown and separated seed. Oz. $5.00, ½ oz. $3.00, trial pkt. 50c.

Aster Seed in mixture, best colors, and ¼ Roosevelt. Oz. $1.00.

GLEN MAWR SEED FARMS, Kinzers, Pa.

Please mention the Exchange when writing.

1000 Pounds of Rhubarb Seed

CROP OF 1909

This seed was taken from the field in a mature state; consequently, every seed will germinate. Seedsmen can sell lots of it, as there is a great demand for "Forcing Rhubarb Roots" in the Winter. The best and cheapest way to raise Rhubarb Roots for forcing is from seed, and in one year.

I have also 200,000 two-year-old Asparagus Roots, 30,000 Peach Trees, 5000 Apple Trees, English and Black Walnuts, Plum and Quince Trees, and Strawberry Plants.

Warren Shinn, Nurseryman Woodstown, N.J.

Please mention the Exchange when writing.

ROUTZAHN SEED CO.
Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

Please mention the Exchange when writing

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

NEW CROP

Flower and Vegetable Seeds
FOR FORCING

Lobelia Crystal Palace Compacta. Salvia Splendens and Bonfire. Centaurea Gymnocarpa. Begonia Vernon. Cobaea Scandens. Dracaena Indivisa. Mignonette, New York Market. Primula Chinensis. Schizanthus Wisetonensis.

Tomato "The Don." Onion "Alisa Craig."

Mushroom Spawn, English and Pure Culture.

Special prices on application.

WEEBER & DON, Seed Merchants & Growers
114 Chambers St., N. Y.

Please mention the Exchange when writing.

WARD'S LILY BULBS

"NOT HOW CHEAP— BUT HOW GOOD"

RALPH M. WARD & CO.
12 West Broadway—New York

Please mention the Exchange when writing.

AMERICAN SEED TRADE ASSOCIATION

President J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec. Leonard H. Vaughan Chicago.

IMPORTS, ETC.—January 24, 1910.—Vaughan's Seed Store, 3 packages seed; F. B. Vandegrift & Co., 31 packages seed. January 25.—Schulz & Ruckgaber, 7 bags seed; H. F. Darrow, 5 cases seed; H. Phillips Seed Co., 5 cases seed; H. F. Darrow, 105 cases Lily of the Valley pips; H. F. Downing & Co., 143 bags garden seeds; Wm. Elliott & Sons, 40 packages seed; R. J. Goodwin Sons, 27 bags seed; W. E. Hageman & Co., 2 cases Lily bulbs; Maltus & Ware, 14 bags seed; Weeber & Don, 1 package seed; January 26.—C. B. Richard & Co., 2 cases plants; Stumpp & Walter Co., 4 packages bulbs; C. B. Richard & Co., 15 cases plants; J. D. Nordlinger, 200 bags Hemp seed; Brown Bros. Co., 2300 bags Sunflower seed, 24 bags Hemp seed. January 27.—W. Kraemer, 4 barrels seeds; T. C. Pollack, 10 packages garden seed; P. Henderson & Co., 1 case flower seed; T. Madsen, 1 case seed; Maltus & Ware, 2 packages seeds. January 29 and 30.—J. M. Thorburn & Co., 5 bags seeds. January 31.—Gerhard & Hey, 300 bags seed; P. Henderson & Co., 94 bags seed; Lehigh Valley R. R. Co., 19 bags seed; McHutchison & Co., 87 cases plants; F. B. Vandegrift & Co., 1 case plants; Lunham & Moore, 21 bags seed; H. W. Sheldon & Co., 198 cases plants; American Express Co., 112 cases seed; 96 cases plants; H. F. Darrow, 165 bags seed; W. Stiner & Son, 1 case plants.

European Notes

Three consecutive dry days, the first for many weeks, accompanied by moderately sharp frost, have enabled is to get on to our sodden fields and form a fairly accurate opinion of the condition of the plants of Brassicas, Turnips and Rutabagas. It must be admitted that the outlook is far from cheering.

Great ugly gaps are apparent; in some places not more than one plant is visible in ten yards and that one looks ready to perish.

Not only have the floods destroyed the plants but on the lighter and higher lands the vermin, owing to an abnormally mild season, have had free play, and the more vigorous the plant the more it has suffered. This is especially true of Cabbages and Rutabagas, while Kales and Brussels Sprouts, being coarser in flavor, are left severely alone and have only the inclemencies of the weather to contend with; that, however, is bad enough.

A visit to the barns where the Onions are stored waiting a favorable opportunity to plant them, finds a large per-

RAWSON'S RENOWNED SPECIALTIES

FOR FLORISTS

DAHLIAS

To clear a large surplus, we give Florists the first opportunity to purchase some of our latest Dahlias at remarkably low prices. The following list is only an extract from Rawson's florists' catalogue.

Cactus Dahlias

	Per 10	100
Alfred Vasey, pink	$0.75	$6.00
Alpha, white, striped crimson	1.00	8.00
Ambassador, pure white	1.00	8.00
Amos Perry, scarlet	1.00	9.00
Antelope, yellow	.75	6.00
Aschenbroedel, pink	.90	7.00
Blutenregen, scarlet	.75	6.00
Bornemann's Liebling, pink	1.00	9.00
Brautjungfer, pink	1.00	9.00
Charm, pink	1.50	12.00
Citizen, maroon	1.20	10.00
Clara G. Stredwick, pink	.85	7.00
Comet, pink, striped red	.75	6.00
Country Girl, golden	1.20	10.00
Crayfish, scarlet	1.00	9.00
Crepuscule, orange yellow	1.00	9.00
Dainty, yellow and pink	1.00	9.00
Das Marchen, pink	1.50	12.00
Delicata, blush	1.00	9.00
Die Unschuld, cream	1.20	10.00
Edith Groom, white	.75	6.00
Else, salmon pink, suffused yellow	1.00	9.00
Epopee, crimson	1.00	8.00
Feronia, soft pink	1.20	10.00
F. H. Chapman, yellow and orange	1.00	9.00
Floradora, crimson	1.00	9.00
Gaillard, deep red	1.00	9.00
Gladiator, deep apricot	1.00	9.00
Goldfasan, apricot	1.00	10.00
Grenadier, orange pink	1.00	9.00
Harbor Light, vivid orange	.90	7.50
Helene, pink	1.00	9.00
Holsatia, orange scarlet	1.00	8.00
H. Shoesmith, crimson scarlet	1.00	9.00
H. W. Sillem, scarlet	1.00	9.00
Imperator, crimson	1.00	8.00
Ivanhoe, straw color	1.00	9.00
J. H. Jackson, maroon	1.00	9.00
Kriemhilda, pink and white	.50	4.00
Lauretta, yellow edged rose	.75	6.00
Laverstock Beauty, vermilion	.90	7.50
Lovely Eynsford, amber	1.00	9.00
Miss Dorothy Oliver, white	1.00	9.00
Mrs. De Lacy, yellow	1.00	9.00
Mrs. H. Shoesmith, pure white	1.20	10.00
Oliver Twist, scarlet	1.00	9.00
Orion, rosy mauve	.90	7.50
Persephone, white	1.00	9.00
Phineas, scarlet	1.00	9.00
Pink Pearl, pink	1.00	9.00
Pink Perfection, rose	1.00	9.00
Princess, deep pink	1.00	9.00
Rainbow, soft pink	1.00	9.00
Roland von Berlin, scarlet	1.00	9.00
Rosea Superba, pink	.90	7.50
Rosy Morn, peach color	1.00	9.00
Ruby, crimson	.75	6.00
Schone Rose, deep rose	1.00	9.00
Schwan, pure white	1.50	12.00
Standard Bearer, crimson	1.00	9.00
Stella, crimson	.75	6.00
T. G. Baker, yellow	2.00	15.00
Wm. Cuthbertson, bright rich crimson	1.00	9.00
Wonderkind, delicate pink	1.00	9.00
Zaunkoenig, scarlet	1.00	9.00
Zephyr, rosy pink	1.00	9.00

Not less than 10 of a kind will be sold at the above prices. Single specimens at retail prices less 25 per cent.

To enable florists to have a grand collection of these beautiful flowers we are willing to furnish a collection of one each of one hundred varieties at a net total of $12.00.

Decorative Dahlias

	Per 10	100
Alphonse Isore, scarlet	$1.50	$12.00
Beauty of Kent, red and white	1.00	9.00
Camellia, orange scarlet	.75	6.00
Catherine Duer, crimson	.90	7.50
Fireking, scarlet	.75	6.00
Gigantea, yellow	1.00	9.00
La France, pink	1.50	12.00
Mrs. Roosevelt, pink	1.20	10.00
Papa Charmet, maroon	1.20	10.00
Perle de la Tete d'Or, white	1.00	9.00
Souvenir de Gustave Doazon, scarlet	1.00	9.00
W. W. Rawson, delicate lavender	6.00	
Yellow Colosse, yellow	5.00	

Not less than 10 of a kind will be sold at the above prices. Single specimens at retail prices less 25 per cent.

FLOWER SEEDS

SALVIA SPLENDENS

	½ oz.	Oz.
Grandiflora	$0.25	$1.50

The best tall Salvia in the market.

Compacta	.40	2.50
Bonfire	.40	2.50

Hardly any foliage, but masses of flowers.

Lord Fauntleroy, very dwarf.	.75	4.00
Maroon Prince, deep maroon	.75	5.00
Fire Ball, most intensely colored	.75	6.00
Silver Spot, leaves spotted, very attractive	.25	1.50

Zurich. The best salvia yet introduced. Plants grow very compact, show little foliage and bear heavy flower spikes, which are thickly laden with bright scarlet flowers. Flowers early in July and remains in bloom with later varieties. ½ oz. 75c., oz. $5.00.

Patens, (Blue Salvia). 1-16 oz. $1.00.

Salvia Splendens, King of Carpets. The best dwarf bedding Salvia on the market today, outrivaling even "Zurich." The plants branch from the bottom and to such extent that the main stem is never visible. All side branches droop completely to the ground, making the whole plant a perfect half ball of fire. The plant grows but 16 inches high and flowers even earlier than "Zurich." ½ oz. $1.00, oz. $6.00.

The veteran Salvia grower, Mr. F. Bedman, says: "About the Salvia, 'King of Carpets,' it has done very well considering the dry weather that we have had, and I consider it one of the grandest dwarf salvias that I ever saw."

AGERATUM

Extensively raised as a pot plant and used for edging.

	¼ oz.	Oz.
Lasseaux	20c.	$0.60
Mexicanum		.15
Album. Large flowering white		.25
Blue Perfection		.30
Dwarf Imperial White		.25
Dwarf Imperial Blue		.25
Dwarf Swanley Blue		.30
Dwarf Little Dorritt		.25

Dwarf Little Blue Star, 1-16 oz. 75c.

ANTIRRHINUM

A most valuable plant for the cut flower market, easily grown and very profitable; we have been careful to select but such colors as are ready sellers.

RAWSON'S TALL GIANT. This strain grows three to four feet high and is covered about two-thirds with gigantic flowers of grace and beauty.

	¼ oz.	Oz.
Finest Mixed		$0.40
White	$0.25	.75
Scarlet	.20	.60
Yellow	.20	.60
Dark Rose	.20	.60
Delicate Pink	.20	.60
Coral Red	.25	.75

ASTERS

Rawson's New Midsummer Aster

The colors are true and hardly any open-centered flowers among them.

	¼ oz.	Oz.
Pure White	$0.60	$2.00
Delicate Shell Pink	.60	2.00
Royal Purple	.60	2.00
True Lavender	.60	2.00
Bright Rose	.60	2.00
Finest Mixed	.50	1.50

Aster, Rawson's Late Branching. Flowers are very large in size and borne on long, stiff stems. It is one of the best and most popular varieties for late flower markets.

	¼ oz.	Oz.
Finest Mixed	$0.25	$0.75
Crimson	.30	1.00
Dark Blue	.30	1.00
Light Blue	.30	1.00
Rose Pink	.30	1.00
Shell Pink	.30	1.00
Scarlet	.30	1.00
White	.20	1.00

Dawn of Day. (Novelty, 1908). The earliest flowering Aster in existence. Fine white, perfect in form and growth, long branching stems and flowers; often three weeks ahead of Queen of the Market. It is of branching habit and very full and if freely cut will continue to bear blooms until late in Fall. ½ oz. 50c., oz. $3.00.

Rawson's Daybreak. This variety must not be compared with the strain offered elsewhere and a trial will convince the ever-so-critical of its superiority. ¼ oz. 40c., oz. $2.50.

Rawson's Purity. (Pure white.) Of the same type as Daybreak, differing only in color, which is a pure glistening white. Just as free-flowering and symmetrical as Daybreak and undoubtedly unsurpassed as a white bedding variety. ½ oz. 50c., oz. $3.00

Rawson's Queen of the Market Aster. The best early Aster for the Florist, quality being very much improved.

Finest Mixed, ¼ oz. 15c., oz. 50c.

Crimson, Dark Blue, Light Blue, Rose, Peach Blossom, White. ¼ oz. 20c., oz. 60c.

W. W. RAWSON & CO., Boston, Mass.

Please mention the Exchange when writing.

centage so soft and sprouted as to be practically useless.

French growers are expecting much better prices next season; this they certainly deserve for the large surplus of the past two seasons now on hand will not be salable in 1911. As the prices of Onion bulbs for table use in the French markets have been steadily rising it is possible that a largely increased demand for the seed may spring up, in which case surpluses would be within reasonable bounds.

The few fine days have made the threshing machines very busy and some curious results have been obtained. In one case, three acres of a special mixture of Sweet Peas has produced a total crop of fifty pounds and the seed is useless; yet the appearance of this crop when growing was superb. On the other hand one or two crops of Rutabaga have exceeded our expectations.

The later threshings of Radish, both in France and England, are causing very serious trouble and loss. To all outward appearance the seed seems to be all right, but within 48 hours after being sacked up it begins to sweat and we have the greatest possible difficulty to save it. The waste in dressing adds fully 30% to the cost and confirms the growers in their resolve to quit the culture. The profits of three good seasons will be needed to compensate for the losses of 1909.

It cannot too strongly be impressed on our friends on your side how absolutely necessary it is that they should keep a very close watch on all seeds from Europe now arriving, opening all packages promptly, so as to admit the dry air and thus keep the seeds in good condition.

EUROPEAN SEEDS.

American Notes

The Opening Season

Gradually the opening season is gathering momentum, and with each succeeding day our seedsmen find themselves receiving an increasing number of orders. The wholesalers especially are beginning to be very busy, as the sellers of seeds throughout the country, as a whole, are placing their orders much earlier than usual; this early ordering is attributable, no doubt, to the widespread reports that seed crops are short, and that the late comers will fare poorly. As a rule, the seed catalogs are now pretty well distributed. Speaking of the distributing of seed catalogs, every year the question comes up as to when is the very best time at which to send them out to prospective customers. The answer to this much mooted question must always depend upon the class of business being done; but for those sellers of seeds who do purely a local business there are many very substantial arguments in favor of sending out their lists just before their customers are ready to buy their season's supply of seeds, which will, of course, be several weeks later than the date at which the large mail order houses mail their seed books. Counter retail sales have started quite a little the last few days; another week or so will see all lines getting well underway. On every hand all signs point to a most prosperous season.

The New African Daisy

Among the many excellent flower seed novelties being offered this season, none bids fair to have a larger sale than the new "golden-orange" Daisy from South Africa. This remarkably showy annual was discovered by the late Peter Barr in Namaqualand, South Africa. On account of its easy culture and uniquely colored flowers it is sure to be a favorite. The plants themselves are of neat, branching habit, grow about fifteen inches high and bloom profusely. Its Marguerite-like blossoms, from two to four inches in diameter, show a glossy rich orange-gold, with dark-colored disc surrounded by a black zone, well suited for groups or borders; it produces its pretty flowers very early after being planted out in the open ground, in sunny situations, and will continue to flower during the whole Summer. This novelty gained an award of merit at the Temple Show, London, in 1907. The retail packet price is 25 cents.

Catalog Illustrations

The writer has several times in the past called attention to the matter of properly illustrating our seed catalogs. It would, indeed, seem absolutely imperative in these days of advancement in all lines of our business, that we should be especially careful regarding the use of half-tones, electrotypes and zinc etchings in our catalogs, and be absolutely sure that each, when used, truthfully and ac-

J. BOLGIANO & SON

WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS

BALTIMORE, MD.

Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO.
BOSTON, MASS.
SEEDS
For Florists, Market Gardeners and Critical Buyers
Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

Stock Seed
Fiske's Branching in all colors. Tr. pkt. 40c., oz. $4.00.
Pure White, tr. pkt. 50c., oz. $5.00.
Also Beauty of Nice strains.
H. E. FISKE SEED CO., Boston, Mass.

Please mention the Exchange when writing.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.

Please mention the Exchange when writing.

SPLENDID SEED OF
Phoenix Roebeleni
JUST ARRIVED
Price on application to
SANDER, BRUGES, BELGIUM

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS
ALL COLORS
SEND FOR LIST
ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

HOLMES' SEEDS . .

Our illustrated catalog will tell you all about the BEST TESTED SEEDS for the PRIVATE or MARKET GARDENER. We make a specialty of supplying seeds for the most critical trade. Send for our catalog at once and send us your list for special quotations.

HOLMES SEED CO.
Harrisburg, Pa.

Please mention the Exchange when writing.

CHOICE GERMAN
FLOWER SEEDS
Catalogue free on application
Stamp letters 5 cents; foreign post cards 2 cents
FREDERICK ROEMER,
Seed Grower Quedlinburg, Germany

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Delphinium Belladonna
Everblooming Hardy Larkspur

DREER'S RELIABLE FLOWER SEEDS

We offer below a short list of Flower Seeds which should be sown early. New crops of same are now ready; for complete list of Flower Seeds, all of the very finest quality, see our current Wholesale Catalogue. If you have not received a copy, we will send one on application.

	Trade pkt.	Oz.
AGERATUM, Blue Perfection. Dark blue	$0.15	$0.50
AGERATUM, Cope's Pet. Light blue	.15	.35
ALYSSUM, Little Gem or Carpet of Snow. Very dwarf	.15	.40
ANTIRRHINUM, Giant White	.20	.50
Giant Scarlet	.20	.50
Giant Pink	.20	.50
Giant Garnet	.20	.50
Giant Yellow	.20	.50
Giant Striped	.20	.50
BEGONIA semperflorens Vernon.	.25	
CANDYTUFT Empress. Best white	.10	.20
CENTAUREA gymnocarpa.	.15	.35
candidissima.	.25	.75
cyanus. New double blue.	.25	.75
CINERARIA maritima candidissima.	.10	.20
COBÆA scandens. Blue	.15	.40
White.	.20	.75
DELPHINIUM Belladonna. New.	.17	
DRACÆNA Australis.	.15	.60
indivisa	.10	.30
PENNISETUM Ruppelianum.	.10	.25
HELIOTROPE, Lemoine's Giant.	.40	2.00
IPOMŒA grandiflora (White Moonflower)	.15	.40
LOBELIA Crystal Palace compacta (true)	.25	1.00
Emperor William	.25	1.00
speciosa	.15	.50
gracilis	.15	.40
PETUNIA, Dreer's Superb Single Fringed	.50	
Dreer's Superb Double Fringed, $1.50 per 1000 seeds.		

	Trade pkt.	Oz.
PYRETHRUM aureum (Golden Feather)	$0.10	$0.25
SALVIA splendens (Scarlet Sage)	.25	1.00
Bonfire	.40	2.25
Ball of Fire	.50	3.00
Burning Bush	.40	2.00
Zurich	.50	
SMILAX	.10	.30
SOLANUM capsicastrum	.10	.25
STEVIA serrata	.20	.75
STOCKS, Large-Flowering 10-Weeks.		
Blood Red	.40	2.50
Canary	.40	2.50
Rose	.40	2.50
Light Blue	.40	2.50
Purple	.40	2.50
Pure White	.40	2.50
STOCKS, Cut-and-Come-Again.		
White	.50	3.00
Rose	.50	3.00
Blood Red	.50	3.00
Dark Blue	.50	3.00
Yellow	.50	3.00
Lilac	.50	3.00
THUNBERGIA, Mixed Colors.	.15	.40
TORENIA Fournieri.	.30	1.50
VERBENA. Mammoth Pink	.30	1.25
Mammoth Blue	.30	1.25
Mammoth Purple	.30	1.25
Mammoth Scarlet	.30	1.25
Mammoth Striped	.30	1.25
Mammoth White	.30	1.25
Mammoth Finest Mixed	.25	1.00

WE HAVE EVERYTHING IN FLOWER SEEDS WORTH GROWING.

HENRY A. DREER. 714 Chestnut Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

curately represent the subjects as per the titles affixed to them. The day has passed when almost anything in the way of a "cut" will do to illustrate the text; unless a true and representative picture of the variety to be described is procurable, it is very much better to use nothing at all in the way of an illustration. Within a few days the writer has received several suggestions along this same line and will discuss them in this column just as soon as opportunity offers.

Cannas

Nothing in Spring bulbs will be more in demand the coming season than the better varieties of the dwarf-growing, large-flowering Cannas. There was a time, and not very long ago, when no plant was acknowledged to approach the Geranium in value for bedding purposes; but during the last few years the Canna has taken its place as a very close second to the ever popular Geranium in this respect. The Canna also has the advantage of being less bulky to handle than the Geranium, and either in dry roots or started plants is especially adapted for the seedsman to handle. Do not neglect to provide a generous supply of the best sorts of Cannas for your trade this season, you will find them most profitable and rapid sellers. V.

Philadelphia Seed Trade

The Paris disaster has made its impression on many in the seed trade here, for shipments of early forcing vegetable seeds were expected daily, but later advices received were to the effect that much of the stock was hard to get at and that orders still on hand must wait for the subsiding of the flood. It is sincerely hoped that the stock is uninjured, as many Southern orders are waiting to be filled, and the inability to execute them will result in quite a financial loss, both to gardeners and seedsmen.

N. Simon & Son report a heavy Spring trade and orders have been booked far in excess of the firm's expectations and the continuance of this amount of business should result in a satisfactory year's total.

Henry A. Dreer, Inc., have been busy the past few weeks replenishing the shelves and drawers of the store with Spring necessities and books on all matters pertaining to horticulture are prominently displayed on the counters of the store. Kil-O-Scale, an invaluable insecticide for ridding trees of San José scale, is being pushed quite extensively by the firm, as all hands are fully alive to the importance of preventing the spreading of this harmful pest, and the remedy can be applied at so small a cost that its adoption will be general, as soon as its qualities are more widely known.

The Johnson Seed Co. has an attraction—several prize winning Brazilian ducks on show in the store window, which were secured from the recent poultry show. The display serves the purpose of advertising the many poultry foods and appliances handled by the firm. Mr. Sherry, whose mother recently was reported quite sick from a fractured hip, is glad to say that the aged lady is recovering rapidly, and that the accident is not quite so serious as at first supposed; the expectations are that within a few days she will be removed to her home. The firm, this week, has secured the services of several extra persons to assist in the Spring work.

Orders for Aster seed have commenced to show up and the many varieties to select from as listed in the catalogs should prove interesting to the prospective buyers.

The Moore Seed Co. is handling a fine grade of low priced tuberous Begonia bulbs, and is also showing a great display of farming and florists' implements, including fine tooth cultivators, seed planters, saws, knives, shears, etc.

The Henry F. Michell Co. is glad to say that its brand of Asparagus plumosus seed is fully up to the standard of former years, and that the bulbs of Gloxinias and Begonias are fine and plump; from testimonials received from local florists concerning last season's results of growing on these bulbs the house feels assured that its sales will increase.

Carl Cropp, secretary of Vaughan's Seed Store of Chicago and New York, was a visitor here this week, and from his conversation one can readily understand why he is occupying such a position as he is first last and all the time a thorough seedsman.

CANNA ROOTS—CANNA ROOTS

Strong home grown, two or three eyes each, in perfect condition and strictly true to name.

	100	1000
HON. BENJ. F. HOWELL. 6 ft. The best yet. Similar to King Humbert in both flower and foliage but better. The color is more brilliant and the flowers are larger—foliage equally good in rich bronze color and make up. Now first offered.	$10.00	
ALLEMANIA. 6 ft. Giant flowered; scarlet-salmon, edged yellow	2.00	
BLACK BEAUTY. 6 ft. Abundant, rich, glistening, bronzy-purple plum foliage	5.00	
COMPTE DE BOUCHARD. 4½ ft. Bright yellow and fine	2.60	$20.00
CRIMSON BEDDER. 3 ft. Bright crimson; very free and valuable	2.50	20.00
DAVID HARUM. 4 ft. Bronze foliage; bright vermilion flowers	2.50	20.00
EMILE WIELAND. 5 ft. Perhaps yields the most brilliant display of any Canna as yet produced. Vivid orange-scarlet flowers; extra fine Musa-like foliage	6.00	
FLORENCE VAUGHAN. 5 ft. Yellow much dotted with orange-scarlet	2.50	20.00
KING HUMBERT. 5 ft. Bronze foliage; enormous trusses of salmon-scarlet flowers. A grand variety	3.50	30.00
LITTLE GEM. 18 in. Orange scarlet gilt-edged flowers	5.00	
MRS. KATE GRAY. 6 ft. Orchids flowered; orange-scarlet with yellow throat	2.50	
MRS. WM. F. KASTING. 3 ft. Clear vivid crimson; early, free	3.50	
PENNSYLVANIA. 6 ft. Orchid-flowered; orange-scarlet flowers	2.50	
PRES. CARNOT. 4 ft. Bronze-leaved; orange-scarlet flowers	2.00	18.00
PRES. McKINLEY. 3 ft. Brilliant crimson with scarlet shadings	3.00	
SOUV. D'ANTOINE CROZY. 3½ ft. Bright crimson edged yellow	2.50	20.00
WEST GROVE. 3 ft. Large rich coral pink flowers	2.00	
WYOMING. 6 ft. Orchid-flowered; bronze-purple foliage, orange flowers	4.00	
YELLOW CROZY. 3½ ft. Pure yellow flowers; the best dwarf yellow	3.00	
ALL COLORS MIXED. Fine named varieties without labels	1.50	12.00

500 of a variety at 1000 rates. Packed free for cash with order.

J. T. LOVETT, - Little Silver, N. J.

Please mention the Exchange when writing.

Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C.

Trade Mark **American Spawn Co., St. Paul, Minn.**

Please mention the Exchange when writing.

Commercial Violet Culture *Price $1.50*

The Florists' Exchange, 2 to 8 Duane St., N. Y.

Prices Advertised in these Columns are for THE TRADE ONLY

FRESH MUSHROOM SPAWN

ENGLISH AND AMERICAN

VAUGHAN'S SEED STORE

CHICAGO 84 Randolph Street — NEW YORK 25 Barclay Street

Please mention the Exchange when writing.

THE EXCHANGE—Best Advertising Medium

Asparagus Plumosus Nanus

We Are Headquarters, Greenhouse Grown Seed, Extra Quality

100	Seeds	$0.50
500	"	2.00
1000	"	3.50
5000	"	16.00
10,000	"	30.00
25,000	"	70.00

Begonias and Gloxinias

Our Stock of these Bulbs is of the Finest Strain Procurable

SINGLE BEGONIAS	Per doz.	Per 100	Per 1000
Orange	$0.40	$2.75	$22.50
Scarlet	.40	2.75	22.50
Pink	.40	2.75	22.50
White	.40	2.75	22.50
Yellow	.40	2.75	22.50
Mixed	.35	2.50	21.00

DOUBLE BEGONIAS	Per doz.	Per 100	Per 100
Crimson	$0.65	$4.75	$37.50
Scarlet	.65	4.75	37.50
Pink	.65	4.75	37.50
White	.65	4.75	37.50
Yellow	.65	4.75	37.50
Mixed	.50	3.75	33.00

GLOXINIAS

	Per doz.	Per 100	Per 1000
Red and Scarlet	$0.60	$3.75	$32.00
Blue	.60	3.75	32.00
Bordered Scarlet	.60	3.75	32.00

	Per doz.	Per 100	Per 1000
Bordered Blue	$0.60	$3.75	$32.00
Spotted	.60	3.75	32.00
White	.60	3.75	32.00
Choicest Mixed	.50	3.50	31.50

Write for our Wholesale Catalog.

Henry F. Michell Co., 10th and Market Sts., Philadelphia, Pa.

Please mention the Exchange when writing.

Direct Importations

AT FOREIGN GROWERS' PRICES

From BELGIUM, From HOLLAND — Palms, Araucarias, Bay Trees, Azalea Indica, etc. Boxwood, Rhododendrons, pot grown Shrubs for forcing, etc., etc.

From GERMANY — Valley Pips. Early or late forcing.

From ENGLAND — English Manetti selected for grafting.

From JAPAN — Lilium Longiflorum, Giganteum, Multiflorum, etc.

Full list of Japanese, Holland, English and French Nursery Stock

Write for catalogues, special lists, etc., mentioning the class of stock you are interested in.

RAFFIA 5 grades. Bale lots only.

Our business is import and wholesale only. Don't write unless you use sufficient to make direct separate importations

McHUTCHISON & CO.

17 MURRAY STREET — Please mention the Exchange when writing. — NEW YORK

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $2.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $6.00 per 100.

PEACOCK DAHLIA FARMS

Willamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON

ATCO, N. J.

Please mention the Exchange when writing.

Florists' Dahlias

A good assortment of Dahlias for Florists, at prices that will surprise you for undivided field clumps.

J. MURRAY BASSETT, Packerd St. Hammonton, N. J.

Please mention the Exchange when writing.

Thorburn's Bulbs

LILY OF THE VALLEY

Pips just arrived.

Our usual high grade quality. Also cold storage pips. Prices on Application.

J. M. THORBURN & CO., 33 Barclay St. New York

Please mention the Exchange when writing.

NEW CROP

FLOWER SEED

ASPARAGUS Sprengeri. Per 1000 seeds, 75c.
PETUNIA, Large Flowering Double Fringed. Trade pkt. $1.00. Single Fringed. Trade pkt. 50c. Single California Giants, 50c.
SALVIA Zurich. Oz. $5.00. Triumph. Oz. $5.00.
MOONFLOWER. White seed, 35c.
FRESH TOBACCO STEMS. Bale of 300 lbs. $1.75, ton $9.00.

W. C. BECKERT

SEEDSMAN

103 Federal St., N. S., Pittsburg

Please mention the Exchange when writing.

LARGE-FLOWERING BEGONIAS

Our stock of these bulbs embraces the best and finest strains in existence.

SINGLE VARIETIES

1¼ to 1½ in. bulbs.

	Doz.	100
Scarlet	$0.35	$2.25
Dark Red	.35	2.25
Pink	.35	2.25
Rose	.35	2.25
White	.35	2.25
Yellow	.35	2.25
Orange	.35	2.25
Salmon	.35	2.25
Single Mixed	.25	2.25
Double Mixed	.60	4.50

The Moore Seed Company,

339 Market Street, Philadelphia, Pa.

Please mention the Exchange when writing.

CANNAS 500,000 roots for Fall delivery in 100 leading kinds, $8.00 to $20.00 per 1000. Write for our list.

SHELLROAD GREENHOUSES, Grange, Baltimore, Md.

Largest Canna Growers in America.

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

Death of Alfred Landreth

Last week was recorded the death, on January 25, of one of the Landreth family, which has been identified with the seed business since 1784. Alfred Landreth, however, had never taken an active part in such business, having a sufficient income to live a life of leisure. He was noted for his gentle and polite manners, and possessed the admiration and affection of everyone who knew him. He was in his seventy-fifth year. He served on the Union side during the Civil War.

New York Seed Trade

The weather has once again turned pleasant, and has stimulated trade very much with the seedsmen; slowly but surely the seed selling season of 1910 is opening.

Carl Cropp of Vaughan's Seed Store is making his headquarters this week at the New York store.

C. W. Scott, the manager of Vaughan's, has the sincere sympathy of the entire trade in the death of his father.

Robert McKniff at this season is travelling, as usual, for Messrs. Wm. Elliott & Sons. Mr. McKniff the past week has been in Connecticut and reports trade as especially good for so early in the season; this is particularly so among the private gardeners.

A very sad and fatal accident occurred last Monday noon at J. M. Thorburn & Co.'s. Joseph Miller, who very recently came to Thorburn's, lost his life while trying to board a moving freight elevator. Mr. Miller was twenty-nine years of age and lived at 317 West 45th st., his home being at Hazlet, N. J. Previous to coming to Thorburn's he was in the employ of Peter Henderson & Co. The deceased was much esteemed, and his untimely death has caused sincere sorrow among his many friends in the trade.

The two public tests of the new insecticide Aphine, which have recently been held, one in this city and one in Boston, have so strongly convinced growers and users of insecticides of the merits of Aphine, that it is proposed to continue such demonstrations in other principal cities as opportunity offers.

At Boddington's every day adds to the activity; with catalogs, both retail and wholesale, now well in customers' hands orders are beginning to be received in daily increasing numbers. This house has never received so many orders for Canna roots as this season; their list of varieties includes the cream of the whole list, and handling the bulbs in such enormous quantities enables them to quote the lowest possible prices.

Boston Seed Trade

W. W. Rawson's seed house report a good business in started bulbs in pans; so far this year they have sold 4000 pans. The bulbs they use for this kind of work are those most easily grown, such as Tulips, Hyacinths, Narcissus and Freesias. Their Dahlia catalog will be issued about the second week in February.

R. & J. Farquhar & Co. report the season as opening up very favorably. From present indications they expect a very good season.

George Cruikshank of R. & J. Farquhar & Co., has just returned from a very successful business trip. The principal places visited by him were Pittsburgh and vicinity, Philadelphia and New Jersey.

John Beaton of R. & J. Farquhar & Co. was taken seriously sick in Long Island, N. Y., and had to be taken back to Boston last Saturday. The doctor reported a very bad case of rheumatism. John is one of the most jovial and best natured of the seedsmen and his many friends wish him back to the counter soon again. R. C.

WORCESTER, MASS.—Ross Bros. Co., the largest seed and agricultural house in Worcester County, and one of the largest in New England outside of Boston, is anticipating a heavy seed trade the coming Spring. Already every nook is filled to overflowing and a large force is at work filling seed packets for their immense trade all over New England. Mr. Walter Ross, president of the concern is very prominent in all horticultural and agricultural pursuits, and all through the Summer his private gardens make a very attractive showing. CAROLUS.

The Seedsman's Disclaimer Upheld

This case was instituted by A. A. Geil, a farmer, against the Iowa Seed Co. of Des Moines. Plaintiff claimed to have purchased 5½ bushels of Clover seed from the Iowa Seed Co. as Medium or Common Red Clover, that he sowed same and did not notice any difference the first year, but the second season it proved to be Mammoth Red Clover. His yield was very large, both of hay and seed, but he deserted his crop, refusing to harvest same, and let it go to waste, claiming that it was entirely worthless, and brought suit to recover claimed damage of $1,500. Defendant denies that it was Mammoth, claiming that the unusually large growth was caused by rich soil and wet weather; it did not press this point, however, as it preferred to beat the case on the disclaimer, and thus establish a precedent for the benefit of the trade. In the warehouse where Geil went for the seed, as well as in the store, there are placards posted in various places reading as follows:

While we exercise great care to have all seeds pure and reliable, and also true to name, we do not give any warranty express or implied. No officer, agent, or employee of this Company is authorized to make any warranty whatsoever.—IOWA SEED COMPANY.

On each bag of Clover seed delivered was a tag having the party's name on the face; printed on the back of the tag was the following:

NOTICE—We have taken great care in growing or selecting and thoroughly cleaning this seed and we believe that it is true to name and complies strictly with all requirements of law as to purity and vitality, but we want it distinctly understood that we do not give any guaranty or warranty express or implied. If the purchaser does not accept the seeds on these terms and conditions, they are to be returned at once and the money which has been paid for the same will be refunded.—IOWA SEED CO.

Plaintiff says that he does not remember seeing these tags. Plaintiff was given a receipted bill or invoice for seeds purchased, on which was printed the following:

NOTE—We exercise great care to have all seeds sold by us pure and reliable, but it is mutually agreed between ourselves and the purchaser of this bill that no warranty is either given or required.

Plaintiff admitted that he had at sundry times seen various catalogs of the Iowa Seed Co., but denied ever having read the disclaimer or non-warranty clause, which is printed in three different parts of the catalog. Plaintiff also had a copy of a Special Price List of Clover and Grass Seeds on which the disclaimer was printed.

Defendant testified that for more than thirty years it had continuously used the disclaimer in selling seeds, and had never warranted them in any respect.

Defendant had on exhibition not only its own catalogs, but the catalogs of more than 100 American dealers, and about 40 foreign seed dealers, all of which contained a disclaimer clause.

After four days' trial, which was contested and fought on every point, on Jan. 19, 1910, Judge McHenry finally ruled on motion of the defendant to dismiss the case.

In support of the contention on which he ordered the dismissal, the learned judge quoted from a decision of the Supreme Court of Pennsylvania wherein it held that whoever sells seed by a name, where the seeds are open to inspection of the purchaser, the seller cannot be held to an implied warranty. The Supreme Court of Montana has also rendered a similar decision; likewise the Supreme Court of the State of California.

The Supreme Court of the United States has said in substance that where there was a sale of personal property which is subject to inspection, the property not being manufactured to order nor produced by the vendor, that there was no implied warranty. Similar decisions have been rendered by the Supreme Courts of Iowa and New York.

The point in favor of the defendant on which the learned judge placed his strongest argument was to the effect "that the defendant in this case has continuously and persistently refused to sell under a warranty and has persistently and continuously advertised to the world that it would not sell its goods under a warranty. . . . Would it be right, moral or just under those circumstances, against the open and continuously published denial of its willingness to warrant, would it be fair, or just or right by a construction of law to foist upon this defendant a warranty that it never would have made or never intended to make?" Another point made by the judge was in the fact, "that there is a universally established custom among the seed dealers to sell without warranties, and to refuse to warrant, which custom has not only become generally known by their habits and conduct in specific cases, but by their publishing the fact to the world in every possible way."

This decision will prove of far-reaching importance, as it was our object to make it a test case, and the judge in rendering his decision has apparently considered each standpoint; not only is the disclaimer held to be good as applicable to an express warranty, but the universal custom of the Seed Trade during the many years past of printing this disclaimer in their catalogs and price lists, on stationery, tags, placards, etc., has been held to establish the custom and usage as a law, of which the customer or purchaser of seeds is bound to take notice.

CHAS. N. PAGE, Iowa Seed Co.

Sweet Pea Growing in California

Anton C. Zvolanek of Winter-flowering Sweet Pea fame, who left New York Dec. 16 for California, has just returned after a six weeks' absence. During that interval he has been doing great work in Santa Barbara, where he has his Sweet Pea trial grounds, and at some half a dozen points in Santa Barbara Co. and Shasta Co.; in fact, wherever good ground could be found for Sweet Pea planting.

In December and January and inside of three weeks' time, Mr. Zvolanek has planted 65 acres of his famous Winter-flowering Sweet Peas, 25 acres of Nora Unwin (white) and 95 acres, in some 18 varieties, of the late-flowering sorts, mostly Spencer and Unwin types. The planting was done entirely by machine, with the exception of a few rows of rare kinds, which were hand planted. The plows used turned up three furrows, with rows 4 ft. apart, and the planting is also done automatically by a machine which drops the seeds at any given number of inches apart.

No manure was used in this planting, nor is it required; neither will it be necessary to do any irrigating to bring the crop into maturity.

Mr. Zvolanek's eldest son, Charles, will have charge of the California fields in the future.

Mr. Zvolanek advises us that, while in California, he picked off his grounds flowers with 16-in. stems growing on 8 ft. tall vines. These were planted in August, began to bloom profusely the latter part of October, and at the time of his visit were still covered with blooms. Some of these vines had been in frost, when the thermometer had gone down to 28° and 29° in the early morning, and while the stems had been made so brittle that they would snap apart when handled, as would a thin icicle, no plant nor blooms were at all injured.

Mr. Zvolanek noticed quite a little defective planting of Sweet Peas in California, and says that the people there plant both too thick and too deep. The depth at which the Peas should be planted must not exceed two inches. The seed should be sown 2 in. apart and then thinned out to 6 in. for best results. If threatened by frost at any time, the growers should cover with cheese cloth. This latter point, naturally, is for amateurs and small growers.

Hybridizing Gladiolus

The garden Gladioli, owing to the large size of the blooms and their open character, is one of the easiest of plants to fertilize, or rather pollinate, artificially. Healthy vigorous plants should be selected for seed bearers, and the bloom spike supported with a firm stake. The blooms should be visited in early morning as they open, and the anthers removed with the fingers, or better with slender forceps, before they have shed pollen, taking care not to injure the style or the three-parted stigma, which will be ready to receive pollen about midday in bright weather or late in afternoon, or even next day if cloudy or dull. The blooms should, immediately after the anthers have been removed, be covered with thin cheesecloth, or "bobinet," firmly tied or pinned in such a manner as effectually to keep out bees and visiting insects. Ordinary mosquito netting will not serve after it has been wet with dew or rain, as the mesh becomes so loose that energetic little pollen-carrying bees force their way through, often entirely spoiling results. The pollen-bearing blooms should be carefully selected to open the same day and should be as well protected with muslin or fine netting as possible to prevent robbery of pollen.

About noon, when the anthers are covered with dry dust-like pollen, they can be pinched out with forceps and carried to the seed-bearing spikes in a covered dish to protect from wind. The anthers may be taken separately in the fingers, or with forceps, and lightly brushed over the stigmas, which should be erect and open if they have reached the receptive stage. One anther will usually suffice for a seed bloom if pollen is abundant, but in some of the lighter-colored varieties it is scantily produced and several may be needed. Occasionally the anther valves do not open freely enough to permit the escape of pollen, which may then be taken out with a narrow-bladed penknife, or better with a little instrument made of a flattened pin fixed in a wooden handle. The pollinated blooms should immediately be covered with the netting, which should remain on until they fade. If conveniences are at hand the work may be rapidly accomplished—several hundred pollinations being made in a clear day by an active worker. Pollen can also be used from cut blooms, the spikes being kept in water in a light room, free from flies or bees, but it gradually loses power when the upper blooms open under such artificial conditions. If the work is carefully done the resulting seeds will produce hybrids or cross-breds as the case may be, and it is always possible that the ideal sought for may appear among the number. White garden Gladioli appear to be albinos, however, and rarely produce white seedlings with sufficient vigor to increase with commercial rapidity. Best results may probably be looked for in crossing the finest procurable whites and yellows together, though the raising of seedlings from choice white or very light kinds, both self-pollinated and inter-hybridized, should not be neglected by the breeder desirous of improving existing varieties.—*W. van Fleet in Rural New Yorker.*

The Florists' Exchange is exclusively a Trade Paper. Prices at which stock is offered in these columns are intended for the Trade only.

Rhododendron Maximum
Mountain Shrubbery
Kalmia Latifolia

Packed Right
Packed Tight

LOG MOSS
in
Large Sheets
$1.60 per Bag

Laurel Wreathing
Green Sheet Moss
Hardy Cut Ferns

Alleghany Mountain
Evergreen Company
Farmington, Pa.

BABY RAMBLER ROSES

BABY DOROTHY. The best yet. Color deep pink, fine form, a profuse bloomer. Strong field-grown plants, $25.00 per 100; 4-in. pots, in bloom, $15.00 per 100.

BABY CRIMSON (Mad. Norbert Levavasseur) Strong field-grown, $15.00 per 100; 4-in. pots, in bloom, $12.00 per 100.

The New England Nurseries, Inc.
BEDFORD, MASS.

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Just Received From Our Holland Nurseries
Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.
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W. & T. SMITH COMPANY
63 YEARS GENEVA, N. Y. 600 ACRES

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Evergreens Shade Trees Shrubs Privet
100 Acres of Nursery. Ask for quotations upon your own list of wants.
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ROSES for forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff
CLEMATIS, AMPELOPSIS, TREE HYDRANGEAS and LILACS, SHRUBS, VINES and PERENNIALS. Write for prices.
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Nurserymen and Florists—Wholesale only. Use printed stationery.

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Araucaria Excelsa
5-inch pots—4 to 5 tiers—15 to 18 inches high
60 cts. each, $6.00 per dozen
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OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES
WILLIAM WARNER HARPER, Proprietor
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Viburnum Plicatum, in sizes from 3 to 6 ft.
Japanese Judas, very heavy, 3 to 4 ft.
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Regel's Privet (Ligustrum Regelianum), 2 to 4 ft.

These are but a few of our leaders; we have an enormous assortment of other varieties. Also deciduous trees, especially **Willows, Lombardy Poplars, American Lindens,** and **Dogwood.**
Let us have your "want list," and ask for our catalogue.

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NORTHERN GROWN NURSERY STOCK
We Grow a General Assortment of
Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.
Prices Reasonable. Wholesale Trade List for the Asking
THE BAY STATE NURSERIES, North Abington, Mass

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BLUE SPRUCE (Koster's), all sizes; BOXWOOD pyramids, 4½-6 feet; RHODODENDRONS, CLEMATIS, AZALEA MOLLIS; ROSES (at a bargain), all best varieties. TAXUS HIBERNICA, 2-6 feet. Specimens, etc., etc.
Ask special quotations on all your wants. Catalogues free on demand.
WE DEAL WITH THE WHOLESALE TRADE ONLY

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Koolbergen & Sliedrecht
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It will be of the greatest advantage to every firm needing A No. 1 Nursery stock, to correspond with us and give us a trial order.

Our specialties are Rhododendrons, Lilacs pot-grown, Koster Blue Spruces all sizes, Boxwood, Conifers, Peonies, and H. P. Roses.

Ask for our new catalogue.

All correspondence should be directed to
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Care of Messrs. MALTUS & WARE, 14 Stone Street, NEW YORK CITY

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Formerly THE HORTICULTURAL CO.
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Hardy Nursery Stock such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.
Ask for catalogue.

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LILACS Charles X and Marie Legray.
DEUTZIA LEMOINEI, pot-grown, in fine condition.
BOXWOOD and BAY TREES, for immediate or Spring delivery.
Orders booked now at inviting prices. Write to
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Special grower of High-Grade and new AZALEAS, KENTIAS, ARAUCARIAS, BAYS, etc.
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California Privet SPECIAL

For two weeks we will make special price on car-lots of 18 to 24 in., 2-yr., well branched and extra fine rooted stock.

Small quantities at low prices.

Asparagus, Palmetto and Giant Argenteuil, 3-yr., extra strong, **$5.00** per 1000.

Jos. H. Black, Son & Co.
Hightstown, N. J.

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CALIFORNIA PRIVET
California Privet is still the leading hedge plant, because nothing has yet been produced to surpass it.

I have an extra large stock of two-year-old plants, in all grades, to offer for Spring shipment. This stock is well branched with plenty of fibrous roots.

I can compete in price, quantity and quality with any grower. I am growing Privet to sell.

Let me quote you prices before you buy.

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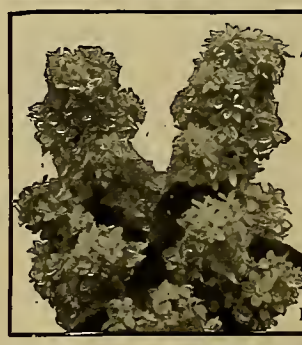

Beautiful! Novel! Valuable!
The Newest Lilacs
Double and Single
Extraordinary Offering
The improvement in the Lilac, especially in the double sorts, is marvelous, and all lovers of this flower will be delighted with these novelties. In size, form and color they far surpass the old favorites and we confidently recommend them to our patrons. Nothing that has been introduced recently is likely to prove so popular as the new Lilacs.
A beautiful illustrated booklet on Lilacs will be mailed on request, also our Illustrated General Catalogue, which contains accurate and trustworthy descriptions of the best FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES and HARDY PLANTS
Ellwanger & Barry, Mount Hope Nurseries, Rochester, N.Y.

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50,000 CALIFORNIA PRIVET, fine 1-year-old stock, 18 to 24 in., $2.00 per 100, $15.00 per 1000; 24 to 30 in., $2.50 per 100, $20.00 per 1000. Special prices in 5000 lots to dealers, all No. 1 stock. 5,000 extra strong AMPELOPSIS Veitchii. Field grown vines, live tops and roots, now in cellar. $4.00 per 100, 500 at $3.50 per 100. P. S. 25,000 Canna Roots.

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CALIFORNIA PRIVET
3 to 4 ft., heavy selected, $4.00 per 100, $35.00 per 1000. 2½ to 3½ ft., 6 or more branches, strong, $3.00 per 100, $25.00 per 1000. Fine 1 year, 18 to 24 inches, branched, $1.50 per 100, $10.00 per 1000. 12 to 18 inches, $1.25 per 100, $8.00 per 1000. 8 to 15 inches, light, $5.00 per 1000. Amoor River, 2 to 3 ft., well branched, $3.00 per 100. Packed free of charges.
CHARLES BLACK - Hightstown, N. J

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ALMA NURSERIES, Oudenbosch, Holland
NURSERIES AT OUDENBOSCH AND BOSKOOP
Proprietors { U. J. Heerma Van Voss. H. A. M. Swellengrebel.
Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.
Large stock of Ornamental Trees and Shrubs, Conifers, Evergreens, etc. First-class stock only. Prices reasonable. Sole American Agent:
J. MEERRAMP VAN EMBDEN, JR. Mount Vernon, N. Y.
Ask for our General Catalogue and special offer.
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THE EXCHANGE—Best Advertising Medium

AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-president; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer.

MARSHALL, MO.—The National Nursery Co. of Lawrence, Kans., has established an office here with Col. Preston in charge.

AUSTIN, TEX.—The Port Arthur Nursery Co. has been incorporated with a capital stock of $40,000. Incorporators are Fred Clark, C. E. Smith and R. H. Woodworth.

LOUISIANA, MO.—Stark Bros., through their assistant treasurer, Wm. H. Stark, have purchased land at Girard, Pa., in the famous New York-Pennsylvania Grape belt. Mr. Stark also purchased for the Company an excellent farm at Marionville, Mo., where he spent several weeks locating the ideal soil of that section for the growth of delicious Apple trees.

Use of the Verbena Shrub In looking around for a common name for Caryopteris Mastacanthus that of Verbena Shrub has been given it, as catalogs show, an appropriate one in some respects for it belongs to the natural order in which the Verbena is found. Horticulturists class it as half shrubby, which term covers such shrubs as die back partly but not wholly in the Winter season. In addition to this it will not endure severe freezings, thriving best when a few inches of its lower shoots are covered in Winter with manure, ashes, leaves or soil, to preserve them through the cold, much as is done in some localities with the more tender Roses. This makes certain of sufficient shoots being preserved to serve as a foundation for vigorous shoots, to give flower in the coming Fall. It needs close pruning to have it make its best display, hence the losing of the greater part of its tops, whether by frost or by the pruning knife, is a good thing as, if alive, they should be cut back to the few inches spoken of.

It is a good plan to have a small plant in a pot indoors for the Winter, so as to afford cuttings for stocks, these rooting with the greatest ease. The flowers of this shrub are of a purplish blue, in flat heads, rather similar to those borne by the Verbena; and when in a pot they make a display that is much admired.

Florists who are on the look-out for new plants for pots for Easter should try this one. It would be a novelty, and one worth giving a trial. As it flowers from strong shoots, resulting from the close pruning it gets, it would require forcing some time ahead of the season as, when outdoors, the flowers are not produced until early Autumn.

Douglasii of the Rockies While with us of the eastern States the Colorado Douglas Fir, or Spruce, is the one desired, Europeans generally, excepting those in the very coldest countries, prefer the one from the Pacific Coast. The reason is that the Pacific variety is a much faster grower than the one of Colorado and New Mexico, making a serviceable timber tree in much less time than the other—a great gain to the forester.

Although, as a rule, the Pacific one will not flourish even in Pennsylvania there are exceptions, and when the seeds are from trees growing well up in the mountains back of the coast, where they meet more cold, the seedlings from it will live here, as will other trees from the same or similar localities. Foreign lists make much of a difference in color of the foliage of these two varieties of the Douglasii, but to call the Colorado grey or blue, as some do, is overdoing it. Its foliage is as green as any ordinary evergreen, greener than a great many, still the Pacific one may be atlll greener. Then as to the rapidity of growth, the Colorado one is one of the fastest growing of hardy evergreens, young trees of but 4 to 5 ft. high making an annual growth of 2 ft. in their leaders, often, and more than this when older and in good soil. While our foresters here are calling for all sorts of seedlings for forestry planting the wonder is that none have set out the Douglas Fir, in view of the fact that it is one of the most valuable of timber trees and as rapid a grower as any other tree useful in the same way.

European foresters have been alive to the value of this tree for many years. A quarter of a century ago the foresters of Germany were setting out this tree, adding to their useful forests, while we were depleting ours by waste.

The time is here when those of our nurserymen who have a stock of useful seedlings will reap a good harvest for their pains, for forests must be created anew with us.

Evergreen Andromedas The two Andromedas somewhat common in plantings, floribunda and Japonica, make excellent pot plants for Easter if potted soon after New Year's, or even later if they have good balls of soil with the roots. The foreign nurseryman, who make a business of growing these and similar desirable plants for supplying our wants, see to it that they are shipped with a nice ball of soil to each plant. This is the making of successful transplanting, as when the plants reach this side of the Atlantic the roots are in a measure undisturbed, so that there is only the little check the week or two of being boxed up gives them. Such good plants, if well set with flower buds, usually comes in such good condition that forcing can be commenced at any time.

These Andromedas are beautiful when in flower. They bear loose clusters of flowers, white in color, which are well set off by their dense, green foliage, and after flowering they can be planted in the garden, if desired, being quite hardy.

Many of the deciduous Andromedas are used in great quantities by landscape gardeners. A. Mariana, one of the hardy northern species, is noted for the great beauty of its bell-shaped flowers. It is the best of all the deciduous species.

Pinus Edulis Pinyon Pine

Pinus edulis. Pinyon Pine The Pinyon Pine, as Pinus edulis is called, is one of the best known Pines of the Pacific Coast, its fame being due to the value of its nuts to the Indians, in the first place to the beauty of the tree in its habit of growth, and its usefulness as a timber tree.

The nuts have been an article of food with the Indians since the beginning it would appear, for it was observed on first acquaintance with them; that they still gather them is shown by the statement of collectors who sometimes have been saved the trouble of getting them from the trees by procuring them from the Indians. The nut itself is fairly large, and has a thin shell, so that it can be broken by finger and thumb.

As a rule, the Pines of the Pacific States do not thrive in the East, but among the few that do is the one of our notes, P. edulis. It appears both hardy and satisfied with the climate, though it must endure more cold here in Pennsylvania than it does in its native home.

It is a great satisfaction to find our best landscape gardeners demanding more of these evergreens than they have done in the past; the trouble has been that young plants could not be procured. European nurserymen engaged in the work of growing seedlings for the American trade are now offering Pinus edulis among the rest, and importers will be looking for it, as it is a fast growing, bushy and beautiful Pine. We need more of our native evergreens in our plantings mingled with the useful European sorts.

Uses and Value of the Tulip Tree Among the trees which have come prominently into notice for forestry purposes is the Tulip Tree, Liriodendron tulipifera. It is of great value in the production of paper, the pulp mills in many parts of the country using it in great quantity. Additionally it is one of the best park trees we have, and on extensive places a group of them are a striking feature. The tall growth, together with its smooth green bark when young, its shining green leaves and handsome tulip-like flowers, impart to it a character distinct from all other trees. Some of the grandest trees of our forests are the Liriodendrons, old specimens measuring 20 to 25 ft. in circumference at a point near the ground. Especially do they attain large size when in wet ground.

The conelike seeds of this tree are familiar to many, being conspicuous in the trees in late Autumn. Each cone has a dozen or two of seeds in it, but it is rare that as many as one half of them are perfect, so that, in a pound of seed, perhaps not half the quantity would be found sound. These seeds require sowing in Autumn, otherwise if kept dry and sown in Spring they remain a whole year before sprouting although stratification—mixing the seeds with damp soil through the Winter—is as good as sowing them early would be.

White-Flowered Judas Tree There is always a doubt in the mind of the catalog compiler whether to class the Cercis Canadensis as a tree or a shrub. It has long been called the Judas Tree, and when in its wild state one does see it of tree size, that is 20 ft. and sometimes taller, but when in groups often a bush growth is what they make. The battlefield of Gettysburg is, or was, a home for this Judas, and the trees were mostly of a bushy growth. Anyway, it seems that as there are tree-like specimens to be found we may as well adhere to the old term of "tree."

Some years ago the Japanese species, C. Japonica, was introduced; and this is surely but a shrub in growth. But it is an uncommonly beautiful sort, the flowers, though pink, as are those of Canadensis, all of a deeper color and larger, making of the bush when in flower one of the attractions of Spring.

A third addition has been made of late, a white-flowered variety of the C. Canadensis. This makes a good one to set with the others, to help the effect, as with all three together the combination is good; but when the white one is growing alone, although the blossoms are numerous they are so small that the effect is not great. Being but a variety it could not be depended on to come true from seed, but would require to be grafted or layered to get up a stock of it.

Flat Trained Fruit Trees Many gardens of the wealthy in our midst, which are under the care of gardeners who have had a European training, contain specimens of fruit trees trained in a flat shape, espaliers, as some term them. These trees are started to grow horizontally when young by training them to wires, stakes, and such contrivances and, when the branches are set in the direction desired, the trees are planted in orchards or in vegetable gardens, often one tree after the other to make a division the whole length of a walk.

This form of tree is often used in European gardens, and those who have introduced them here merit praise, for such trees are both useful and profitable. Often, where a walk runs through a garden, they can be planted a row on each side, defining the division, and adding to the attractiveness of the whole. These trees, as grown in Europe, receive annual prunings. This is necessary not only to keep up the flat shape of the tree, but also to promote fruitfulness. The pruning is given once a year, in Mid-summer, or before the growth for the season has ceased. Lots of branches are cut away entirely, of course, others pruned in well, which operations cause the free setting of flower buds, because of the check to growth the close pruning causes.

In many respects such fruit trees are better adapted for planting in a vegetable or other garden than standard ones. The flat trained ones do not cast the shadow so far over the garden the others do; in this way it is possible to grow vegetables or flowers much nearer the trees than otherwise.

It is probable that if nurserymen would keep a stock of these on hand, small ones, so that there would be no great trouble in packing them, there would be awakened a good demand for them; the trees to be an assortment of all kinds of fruits now common in orchards.

[Mr. Meehan's recommendation has great merit. For any vegetable garden, small or large, the trained fruit tree is to be highly recommended, not only for its value as a food producer but because of the decidedly attractive appearance it gives to the garden.—EDS.]

The Grenoble Walnut is a name belonging to a single variety, having a particularly soft shell and a fine flavored nut; but as a rule all imported nuts of the Walnut are called "Grenoble" by commission houses.

California is the great Walnut State at this time, but anywhere from Philadelphia southward the tree flourishes, and those interested should plant only the improved sorts, which have been increased by grafting on the common seedling stock.

Last Fall

MY OUTPUT OF CALIFORNIA PRIVET WAS GREATER THAN EVER BEFORE.

Ribsam's Reputation

Orders booked now daily. Owing to bushiness and fibrous roots my plants are far above the average grade sold by others at less prices; just one order will enroll you as on e of our regular patrons. Thanking all for past favors.

CALIFORNIA PRIVET

	Per 100	Per 1,000	Per 10,000	Per 20,000
3 to 4 feet, Our Special	$6.00	$40.00	$350.00	$650.00
2½ to 3 feet, Extra Bushy	5.00	35.00	300.00	550.00
2 to 3 feet, Our No. 1	3.50	25.00	200.00	350.00
1½ to 2 feet, Our No. 2	2.50	17.50	150.00	250.00
10 to 18 in., Our No. 3	1.50	12.00	100.00	175.00

Packed free. Our stock is A1 in every respect, and I prefer you to call and see it. A trolley line from P. R R. station leaves you at my gate, only 10 minutes' ride Hoping to see you and have your order early as possible, as we have only 300,000 left for this Spring's delivery, I remain, yours truly,

CARLMAN RIBSAM, Office, 31 Wall St. (Nursery, Hamilton Ave.) **Trenton, N. J.**

Please mention the Exchange when writing.

CALIFORNIA PRIVET

500,000 2-yr. plants, with 12 to 20 branches; have been transplanted once and cut back 2 yrs.; $4.00 per 100, $37.50 per 1000, packed. Will make a good close hedge at once. 500,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr.; $3.00 per 100, $27.50 per 1000, packed. 1-yr. plants 12 to 18 in., well branched, $2.00 per 100, $17.50 per 1000, packed. 500 at 1000 rates. Cash with order.

JOHN BENNETT, Atlantic Highlands, N. J.

Please mention the Exchange when writing.

THE AMERICAN CARNATION

Price, $3.50

A. T. DE LA MARE PTG. & PUB. CO LTD

Privet Cuttings

60 cents and 85 cents per 1000.

HARRY B. EDWARDS, Little Silver, N. J.

Please mention the Exchange when writing.

GRAFTED ROSES

EDWARD J. TAYLOR,
GREEN'S FARMS, CONN.

Please mention the Exchange when writing.

"FLOWER OF FAIRFIELD"

THE "EVERBLOOMING CRIMSON RAMBLER"

The best Climbing Rose in the market, flowering during the whole Summer in large clusters of finest crimson color.

Price for first rate plants with 3 to 6 shoots, open ground grown, $12.50 per 100, $120.00 per 1000.

Extra strong plants, from 5 and more branches at $18.00 per 100.

Package free, cash with order only.

SCHULTHEIS BROS., The "Old" Rose Gardens, at Steinfurth, near Bad-Nauheim, GERMANY

Please mention the Exchange when writing.

WHITE KILLARNEY—MARYLAND

Select Grafted Plants from 2½-in pots, $12.00 per 100.

Ready for delivery March 15, 1910

O. P. BASSETT

Proven the best red in the market. Rooted Cuttings, $6.00 per 100, $50.00 per 1000. Immediate delivery.

BASSETT & WASHBURN

Greenhouses, HINSDALE, ILL. Office and Store, 76 Wabash Ave., CHICAGO, ILL.

Please mention the Exchange when writing.

Begonia Rex

2-in. $3.00 per 100.

DRACAENA Indivisa, 4-in., $10.00 per 100.
PRIMULA Obconica, 2-in., $1.75 per 100.
VINCA, 2-in., $4.00 per 100.
ENGLISH IVY, R. C., $1.00 per 100.

FERNS

Scottii, 2½-in., 6c.; 3-in., 10c.; 4-in., 16c.; 5-in., 20c.; 6-in., 35c.
Boston, 2-in., 4c.; 3-in., 5c.; 4-in., 15c.; 6-in., 20c.
Piersoni, 4-in., 15c.; 5-in., 20c.

J. H. DANN & SON

Westfield, N. Y.

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

PETUNIA DOUBLE

10 kinds, 2 in., 2c.

Smilax, 2-in., $1.25 per 100.
Abutilons, 3 kinds, 2-in., 2½c.

PRIMULA

Primula Obconica, 4-in. in bloom, 8c.
Cuphea, 2-in., 1½c.
Poinsettia, stock plants, 6c.
Geraniums, Nutt, Castellane, Buchner, Grant, etc., 2-in., $2.00 per 100.
Coleus, 10 kinds; Ageratum, 3 kinds; 2-in., $1.50 per 100.
Rooted Cuttings, prepaid per 100. Heliotrope, $1.00; Fuchsia, 8 kinds, $1.00; Paris Daisy, yellow, white, $1.00; Cuphea, 75c. Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, 3 kinds, 50c.; Ageratum, 3 kinds, 60; Swainsona alba, $1.00; Dbl. Petunias, 10 kinds, $1.00; Feverfew, Gem, $1.00.
Flowering Begonia, 8 kinds, $1.25; Salvia, 90c. Cash with order.

BYER BROS., Chambersburg, Pa.

Please mention the Exchange when writing.

For Easter, 1910

Our Blooming stock for Easter will consist of Azaleas, Lilies, Hydrangeas, White and Crimson Ramblers, Souperts, Hermosa, Cyclamen, Primroses, Cinerarias. Bulb Stock; We will have Paper Whites, Double Von Sion, Single Ajax Hyacinths in all colors.

FERNS

We have an extra large stock of Bostons, Whitmani, Amerpohli, Sprengeri, Plumosus, that we should like to write to you about. We are crowded for the room and can give you extra good bargains for cash.

Plants for Easter bloom can be shipped any time.

GEO. A. KUHL, Wholesale Grower PEKIN, ILL.

Please mention the Exchange when writing.

Cineraria Plants

Large stocky plants, in 6-in. pots, in close bud, will make fine 8-in. plants for Easter, $25.00 per hundred.

Also fine stocky plants, in 4-in. pots, in close bud, will make fine 6-in. plants, $1.00 per doz., $3.00 per hundred.

GENISTA Fragrans. Stocky 6-in. pot plants, in bud, $4.00 per doz. Also fine 5-in. pot plants, $3.00 per doz.

ASPARAGUS Plumosus Nanus, 3-in. pot plants, very stocky, $5.00 per hundred.

ASPARAGUS Plumosus Nanus Seed. Greenhouse grown, $3.50 per 1000.

MARGUERITE DAISIES, LILIES, AZALEAS, DAFFODILS, ETC.

J. WILLIAM COLFLESH
53rd and Woodland Ave., PHILADELPHIA, PA.

Please mention the Exchange when writing.

PALMS, FERNS *and* Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

Please mention the Exchange when writing.

ALL NURSERYMEN SEEDSMEN and FLORISTS

Wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

Editors of the "H. A."
Chilwell Nurseries, - Lowdham, Notts.

European Agents for
THE AMERICAN CARNATION

Please mention the Exchange when writing.

OWING to the scarcity of Carnation Cuttings this season there is good opportunity for those who are so situated as to be able to propagate them, especially the standard varieties, in time for this Spring's sales. Those growers having surpluses of recognized commercial varieties are advised they can make sales readily through an advertisement in these columns.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

½ Million Roses

for February delivery in these and 400 other sorts

Summer grown, on own roots.

	Doz.	2½-in. 100	2½-in. 1000	4-in. 100
Anna de Diesbach	$0.50	$3.50	$30.00	$8.00
Anny Muller	.60	3.00	26.00	
Ball of Snow (Boule de Neige)	.50	3.50	30.00	8.00
Bridesmaid	.60	3.00	25.00	8.00
Bougere	.60	3.00	26.00	8.00
Catherine Zeimet (White Baby R.)	.50	3.50	30.00	10.00
Duchesse de Brabant	.50	3.00	25.00	7.00
Etoile de Lyon	.50	3.00	27.60	8.00
Gruss an Teplitz (Vir. R. Coxe)	.50	3.00	27.60	8.00
Helen Gould (Balduin)	.60	3.00	27.50	8.00
Madame Masson	.50	3.50	30.00	7.60
Mlle. Franzisca Krueger	.50	3.00	26.00	8.00
Magna Charta	.50	3.50	30.00	7.00
Maman Cochet. Pink	.60	3.00	27.60	8.00
Marechal Niel (4-in. 10c., 12c., 15c)	.50	3.60	30.00	16.00
Marie van Houtte	.60	3.00	26.00	7.00
Meteor	.60	3.00	27.60	8.00
Papa Gontier	.60	3.00	27.60	7.00
Phyllis (Pink Baby Rambler)	.60	3.60	30.00	
Queen's Scarlet	.50	3.00	26.00	8.00
Reine Marie Henriette	.60	3.00	25.00	8.00
Rhea Reid	.60	4.00	35.00	10.00
The Bride	.60	3.00	26.00	8.00
Wellesley	.50	3.60	30.00	9.00
White Bougere	.80	3.00	26.00	8.00
White Maman Cochet	.50	3.00	27.50	8.00

Let us know your entire wants in Roses.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD, OHIO.

Please mention the Exchange when writing.

Dracæna Indivisa

Large plants in 6-in. pots, $20.00 per 100.
GERANIUMS, S. A. Nutt, in 2½-in. pots, $2.00 per 100, $18.00 per 1000. Other varieties of Geraniums will be ready later on.

E. L. RILEY, Trenton, N. J.
R. F. D. No. 2.

Please mention the Exchange when writing.

AMPELOPSIS VEITCHII

Fine, well rooted, one year plants, 18 to 24 inches; 50, by mail, $2.00; 100, by express, $3.00; 1000, $25.00. Plants in cellar.

ASPARAGUS ROOTS for Spring, extra strong, 2 year plants, $1.00 per 100; $4.00 per 1000. 3 years, $1.25 per 100; $6.00 per 1000. They will please.

CHARLES BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

VINCA VARIEGATA

Extra strong, thrifty stock, ready to shift, 3-in., $3.50 per 100, $30.00 per 1000.

GERANIUMS, Mme. Salleroi, strong, thrifty, 2-in., ready to shift, $2.00 per 100, $18.00 per 1000. Cash.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

Violets! Violets!

MARIE LOUISE, clean and healthy in every particular. 3-inch pots, $5.00 per 100, $45.00 per 1000.

Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Please mention the Exchange when writing.

CINERARIA STELLATA

Strong plants in 2½-inch pots, ready to shift into 4-inch.

$3.00 per hundred

Primula Obconica all sold.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

ALTERNANTHERA, Red

Extra strong rooted cuttings, 50c. per 100, $4.00 per 1000

The H. Weber & Sons Co
Oakland, Md.

Please mention the Exchange when writing.

F. E. — Alive and Up-to-Date

CANNAS

F. O. B. New York or Chicago For Immediate Delivery

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business. **Stock unequalled.**

RED-FLOWERING CANNAS

	100	1000
Louisiana, height 7 ft.	$1.75	$15.00
Alice Roosevelt, 4 ft.	3.00	25.00
A. Bonvier, 5 ft.	1.50	14.00
Beante Poitevine, 3½ ft.	2.00	17.50
Black Prince, 3 to 4 ft.	2.25	20.00
Chas. Henderson, 4 ft.	1.75	15.00
Crimson Bedder, 3 ft.	2.00	17.50
Duke of Marlborough, 4½ ft.	1.75	15.00
J. D. Eisele, 5 ft.	1.75	15.00
Exp. Crampbell, 5½ ft.	1.50	14.00
Expreee, 2 to 2½ ft.	2.25	20.00
Pres. McKinley, 2½ to 3 ft.	1.50	14.00
Tarrytown, 3½ ft.	1.75	15.00

RED, GOLD-EDGED AND SPOTTED SHADES

Gladiator, 4 ft.	2.75	25.00
Cinnabar, 4½ ft.	1.75	15.00
Indiana, 3 to 4 ft.	1.75	15.00
Queen Charlotte, 3½ ft.	2.25	20.00
Mad. Crozy, 5½ ft.	2.25	20.00
Premier, 2½ ft.	2.00	17.50
S. de A. Crozy	2.75	25.00

PINK SHADES

L. Patry, 4½ ft.	1.75	15.00
Louiee, 5 ft.	2.00	17.50
Mlle. Berat, 4½ ft.	1.75	15.00
Tennyeon, 5½ ft.	2.75	25.00

YELLOW SHADES

	100	1000
Buttercup, 3½ ft.	$1.75	$15.00
C. de Bouchard, 4½ ft.	2.00	17.50
Florence Vaughan, 5 ft.	2.50	20.00
L. E. Bailey, 4½ ft.	2.75	25.00
Richard Wallace, 4½ ft.	2.75	25.00

WHITE AND CREAM SHADES

Alsace, 3½ ft.	1.75	15.00

BRONZE-LEAVED, FLOWERING CANNAS

Brandywine, 4 to 5 ft.	2.00	17.50
Bleack Beauty, 5 ft.	2.75	25.00
David Harum, 3½ ft.	2.75	25.00
Egandale, 4 ft.	1.50	14.00
King Humbert, 4 ft.	3.25	30.00
Leonard Vaughan, 4½ ft.	1.75	15.00
Musafolia, 5 ft.	2.75	25.00
Pillar of Fire, 6 to 7 ft.	2.25	20.00
Robusta, 6 to 8 ft.	1.75	17.50
Shenandoah, 6 ft.	1.75	15.00

ORCHID-FLOWERING CANNAS

Allemannia, 4 to 5 ft.	1.75	16.00
Austria, 5 ft.	1.25	12.00
Italia, 4½ ft.	1.75	15.00
Kronus, 5 ft.	1.75	15.00
Mrs. Kate Gray, 6 ft.	1.75	15.00
Pennsylvania, 5 ft.	1.75	15.00
Wyoming, 7 ft.	2.75	25.00

Our Cannas are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at 1000 rate. It is cheaper for you to buy a box than 200 at 100 rate.

Chicago and Western Agents for Our Cannas **Winterson's Seed Store**

45-47-49 Wabash Ave., CHICAGO, ILL.

ARTHUR T. BODDINGTON

SEEDSMAN

342 W. 14th Street NEW YORK

Japanese Maples

Splendid stock to force into growth for Easter sales.

These handsome **Japanese Maples,** with their rich colored foliage, make excellent pot plants and meet with ready sales at Easter.

We have an exceptionally fine lot of 6-inch, pot grown plants in the following varieties:

Polymorphum Atropurpureum. Splendid purplish-red foliage, deeply cut; 18 to 24 inches high.

Polymorphum Atropurpureum Dissectum. Reddish purple, very deeply cut and divided foliage; 18 to 24 inches high.

Japonicum Aureum. Heavy bright golden yellow foliage; 15 to 18 inches high.

$1.00 each; $10.00 per dozen; $75.00 per 100.

HENRY A. DREER

714 Chestnut St. PHILADELPHIA, PA.

The above prices are intended for the trade only.

Please mention the Exchange when writing.

We offer our immense stock of Flowering and Decorative Plants at most Reasonable Prices

PANDANUS Veitchii. 5-inch, 50c. each, $6.00 per doz.; better, 5-in., 75c. each, $9.00 per doz.; 6-in., $1.00 and $1.25 each; 7-in., $1.50 and $2.00 each.

ASPIDISTRA Variegated. 5½-in., 75c. each; 6-inch, $1.00 each; 7-in., $1.50 each.

ARAUCARIA excelsa. 5½ and 6-in., $9.00 per doz.; 6-in., larger, $12.00 per doz.; 6½-in., $15.00 per doz.; 7-in., $2.00 each. **glauca.** 5-in., $1.00 each, 5½-in., $1.50 each.

BOXWOOD, Pyramids. Fine shapes, from $3.00 to $10.00 a pair.

BOXWOOD, Standards. $2.00, $3.00 and $4.00 a pair.

FERNS, Boston, Piersoni, Whitmani, Scholzeli, Scottii, in all sizes; 7-in. pans, $1.00; 8-in., $1.50; 9-in., $2.00 each.

FICUS elastica. Large-leaved, very fine plants. Single, 6 and 6½-in., $6.00, $7.00 and $9.00 per doz. Branched, 6½-in., $9.00 per doz; 7-in., $12.00 per doz.; 2 in an 8-in. pot, $18.00 per doz. Combinations, 9 and 10-in. pots, 3 in a pot, $2.50; 4 in a pot, $3.00 each.

PANDANUS utilis. Green. 8-in. pots and tubs, $2.00 each. Very fine.

DRACAENA Massangeana. 6, 6½ and 7-in. pots, $1.00, $1.25 and $1.50 each.

D. striata. New. 6-in. pots, $1.50 each.

D. gracilis. 3½ and 4-in., $3.00 and $4.00 per doz.; 6-in. pots, $1.00 each.

D. Lindeni. 6 and 8½-in. pots, $1.00 and $1.25 each.

D. fragrans. 5½-in., $6.00 per doz.; 6-in., $8.00 and $12.00 per doz.; 7-in., $18.00 per doz.; 8-in., $24.00 per doz.

D. Veitchii superba. 7-in., $1.00 each.

D. indivisa. 4, 4½, 5, 6 and 7-in. pots, $2.00, $3.00, $4.00, $5.00 and $6.00 per doz.

PHOENIX Canariensis. 7, 8, 9 and 10-in. pots, $4.00, $6.00, $10.00 and $12.00 a pair.

PHOENIX Roebelini. 3½-in., $4.00 per doz.; 4-inch, $6.00 per doz.; 4½-inch, $9.00 per doz.; 5½-in., $12.00 per doz.; 6-in., $18.00 per doz.

KENTIA Belmoreana and Forsteriana. Combinations, $8.00, $9.00, $10.00, $11.00, $12.00, $13.00, $14.00 each up to $18.00.

RHAPIS humilis. 7, 8 and 9-in. pots, $1.50 to $5.00 each.

RHAPIS flabelliformis. 6½ and 7-in., $1.60 and $2.00 each.

CYCAS revoluta. 6½, 7, 8 and 9-in. pots, from 50c. to $1.50 each. Very fine dark green foliage.

LILAC. White and Blue, in bloom. $1.50, $2.00, $2.50 and $3.00 each.

CAMELLIAS Chandleri, pink; **Campbell,** red. Loaded with flowering buds and bloom. Very fine for Easter. 6½-in., $1.25 and $1.50 each; larger, $1.75 and $2.00 each. Combinations, $3, $4 and $5.00 each.

ORANGES. Citrus Sinensis. Very fine. 7-in. pans, $2.00 each. Full of fruit.

Young stock for growing on

ERICA regerminans. One-year-old. $8.00 per 100.

ERICA fragrans, $15.00 per 100.

BOSTON FERNS. From 2½ and 3-in. pots, $6.00 per 100.
Scholzeli. 2½ and 3-in. pots, $6.00 per 100.
Whitmani. 2½ and 3-in. pots, $6.00 per 100.

AZALEAS. In bloom. 75c., $1.00, $1.50, $2.00 and $3.00 each; at all times Pink, Red, Rose-colored, and White varieties. Also several thousand timed for Easter, which can be shipped at any time with or without pots.

HYACINTHS in bloom. Doz. $2.00.

TULIPS in pans. 35c., 50c., 75c. and $1.00 each.

LILIUM longiflorum. Timed for Easter. Single stem, $35.00 per 100 pots; 2 stems, $50.00 per 100 pots. This offer is good to February 1.

Cash with order, please.

All goods must travel at purchaser's risk; charges for packing at actual cost of material.

ANTON SCHULTHEIS

316, 19th Street, COLLEGE POINT, L. I., N. Y.

Please mention the Exchange when writing.

A Few Good Things You Want

BEGONIA Rex, 2-in., $5.00 per 100.

ASPARAGUS plumosus, 2-in. $2.00 per 100; 3-in., $5.00 per 100. Cut sprays, 25c. per bunch.

ASPARAGUS Sprengeri, 3-in., $5.00 per 100.

GERANIUMS, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in., $2.00 per 100.

FERNS. Whitmani, 4-in., 25c. each. Boston, 4-in., 15c. each; 5-in., 25c. each.

CYCAS PALMS, 4 to 5 leaves, $1.00, $1.50 and $2.00.

VINCA Var., 2-in., $2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

ROOTED CUTTINGS

PETUNIAS, Dreer's Superb, double fringed; the best selected large-flowering doubles, finely fringed, mixed colors, $1.00 per 100, $9.00 per 1000.

FUCHSIAS, finest double, dwarf habit, $1.00 per 100, $8.00 per 1000.

HELIOTROPE, dark, good stock, 75c. per 100, $6.00 per 1000.

PETUNIA, The Queen, fine double fringed, white mingled with purple, $1.00 per 100, $9.00 per 1000.

SALVIA, Bonfire, 80c. per 100, $7.00 per 1000.

AGERATUM Stella Gurney, 50c. per 100, $4.00 per 1000.

CASH WITH ORDER.

J. P. CANNATA, Mt. Freedom, N. J.

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids.

The strain which I offer is unsurpassable. A fine lot of plants in bud and bloom in five colors, from 4-in. pots, $15.00; from 5 in. pots, $20.00 per 100. August Seedlings twice transplanted from flats first-class stock, $3.00 per 100, $25.00 per 1000.

GERANIUMS

Standard varieties, strong plants, from 2½-in. pots, $2.50 per 100, $22.00 per 1000.

CANNAS

Standard varieties strong healthy tubers, 2-3 eyes, $1.75 per 100, $15.00 per 1000.

Satisfaction Guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Please mention the Exchange when writing.

DOMOTO BROS.

Wholesale Florists

Store, 2729 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.

Headquarters for

Japanese Plants and Bulbs, Choice Roses Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.

We respectfully solicit your patronage.

Please mention the Exchange when writing.

THE BEST WAY

to collect an account is to place it with the

National Florists' Board of Trade

56 Pine St., NEW YORK

WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Please mention the Exchange when writing.

THE EXCHANGE—Best Advertising Medium

CLUBS and SOCIETIES

G. and F. Club of Boston

The next meeting of the Club will be on Feb. 15. A paper will be read by S. J. Goddard of South Framingham on "Carnations." This will be "Carnation Night," and a large audience is expected. In former years we have always had more than two hundred present. Let us beat the record this year. Don't think that we know all about Carnations yet; the study of them is only in its infancy. When the Mendelian law is better known the present Carnations won't be in it.

There are many novelties promised, some not before seen in this city.

The delegation from Boston at the Carnation convention at Pittsburgh is to be present and has promised to tell us about the novelties and principal exhibits of that great show.

All exhibits addressed to William N. Craig, Horticultural Hall, Boston Mass., will be looked after and staged if the owner cannot be present at the meeting.

Florists and others who are not members of the Club are cordially invited to attend this interesting meeting.

R. C.

Monmouth Co. (N. J.) Hort. Society

A meeting of this Society was held at Oceanic, N. J., on the evening of January 28, with President Wm. Dowlen in the chair. Nothing but praise was heard from all the members as to the success of our annual dinner, which was up to high standard of previous years or, if anything, better. The dinner committee is to be congratulated for their painstaking efforts towards making the event one grand success; also to the Sheridan Hotel for carrying out the committee's instructions to the letter.

There were 80 present and I feel safe in stating that everyone thoroughly enjoyed the jolly event. A. Herrington of Madison, N. J., acted as toastmaster, and proved to be the right man in the right place, keeping things lively from start to finish. Madison (N. J.) and New York were well represented, also our neighboring society of Elberon.

Several new names were handed in at the meeting.

Friday evening of Feb. 4 will be set aside solely for the purpose of entertaining the ladies—our ladies night, also an annual event. It will start with progressive euchre, the members procuring suitable prizes for the occasion. Refreshments will be served and a dance follows.

A committee of three was present from the Monmouth Fair Association, which seeks our co-operation at the time of holding their Annual Fair, next September, with the intention of making horticultural exhibits one of their leading attractions and famous throughout the State.

W. T.

Tuxedo Park (N. Y.) Hort. Society

For many years there existed in Tuxedo Park a flourishing horticultural society with a good membership and a substantial fund in its treasury. For reasons not very well known this Society, about two years ago, ceased to hold meetings and exhibitions. When it is known that there are in the Park many very beautiful and extensive estates, superintended by as bright and able a lot of gardeners as may be found anywhere, it will not be wondered at that the need of an active horticultural society gradually became so acutely felt that something happened: with the result that the old Society is up and at work again as bright and lively as it ever was.

A meeting of the old officers and members of the Society was held recently, when it was voted to resume fortnightly meetings. In order to increase the membership the acting secretary, Mr. James MacMachan, was requested to issue application blanks to every one presumed to have an interest in the Society. Its financial condition is excellent; in fact, it is astonishing that a Society with no more members than this one had, could have so large a sum ($600) in its treasury at the time it ceased to hold meetings which, however, goes but to prove that in at least one of the very important essentials those in charge were not lacking.

When we realize that during the years of its activity the work done included one or more creditable exhibitions and many lively and fruitful meetings each year, we can understand that in every way the Society was doing a good work along the lines laid out for it.

There is, therefore, every reason for us to believe that, with the old Society on its feet again and a strong contingent of new members willing to help to push it along, a bright future is in prospect for the Tuxedo Park Horticultural Society.

D. M.

Headquarters *for* Azalea Indica

AZALEA Indica, in bloom, for New Year, Simon Mardner, Deutsche Perle, Vervaeneana, 75c., $1.00, $1.50.
Easter Varieties, biggest stock in the country, in the leading American sorts as follows: Bernard Andrea alba and Niobe (double white); have only extra large plants of this variety, 16, 18, 20, 22 in., $1.00, $1.50 to $2.00 each. Mme. Van der Cruyssen, Simon Mardner, Vervaeneana, Deutsche Perle, Prof. Wolters, Helena Tellman, Apollo, Empress of India, Schreveriana and other well-known American varieties. Price, 50c., 75c., $1.00, $1.25, $1.50 to $2.00 each. We don't carry any cheap Azaleas, only first-class.
COCOS Weddeliana, 3-in., 12 to 15 in. high, 15c. to 13c.
ARECA lutescens, 5-in., 35c.
LATANIA Borbonica, 4-in., 20c.
NEPHROLEPIS Whitmani, N. Todeoides, 5-6½-6 in. pots, 35c., 40c. and 60c. each; 7-in., as big as a washtub, 75c. to $1.00 each. Two houses full. All pot grown.
KENTIA Forsteriana, 7-in. pots, single, 40-45-50 in. high, $2.00, $2.50 to $3.00; 6-in. pots, single, 25-30-35 in. high, $1.00, $1.25, $1.50 to $1.75.
KENTIA Belmoreana, 4-in., 25c.
PTERIS Victoriae, (Silver Fern), 6-in. pans, 3 ferns in a pan, very attractive, 30c. per pan.

GODFREY ASCHMANN
1012 W. ONTARIO ST. PHILADELPHIA, PA.

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ASPARAGUS plumosus, 3-in. pots, $5.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100.
CLEMATIS paniculata, 4-in. pots, $10.00 per 100.
CLEMATIS paniculata, 3-in. pots, $5.00 per 100.
SMILAX, 3-in. pots, $5.00 per 100.
FERNS, Boston and Scottii, 4-in. pots, $2.00 per 100.
FERNS FOR DISHES, 2½-in. pots, $3.00 per 100.
DRACÆNA indivisa, 4-in. pots, $10.00 per 100.
ENGLISH IVY, 3-in. pots, $5.00 per 100.
ROOTED CUTTINGS from soil, $1.00 per 100.
Heliotrope, dark blue and white; Feverfew, Lobelia, double and single, blue; Ageratum, Cigar Plant, Palor Ivy, Geraniums (assorted varieties).
Cash with order please.

C. EISELE, 11th & Westmoreland Sts., Philadelphia, Pa.

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True Irish Shamrock

Nice thrifty stock, 2-in. Per 100 $3.00, per doz., by mail, 60c.

	Per 100
DOUBLE PETUNIAS, 2-in.	$2.00
HELIOTROPE, dark, 2-in., strong	2.00

ROOTED CUTTINGS

DOUBLE PETUNIAS, 25 vars., Dreer's strain	1.00
LANTANAS, Dwarf, 5 vars.	1.00
LANTANAS, trailing	1.25
ABUTILON Savitzii	1.50
HELIOTROPE, dark, for soil, R. C.	1.00
GAZANIA Splendens	1.50
STROBILANTHES Dyerana	1.25
CUPHEA	.75
AGERATUM, Gurney, Pauline, and White	.60

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00.
For full particulars address
JOHN G. ESLER, Saddle River, N. J.
Please mention the Exchange when writing.

Tarrytown (N. Y.) Hort. Society

At the regular monthly meeting of the above Society, held in their rooms, Jan. 28, after routine business had been transacted, the matter of the Fall show was taken up and the dates fixed for November 1, 2 and 3. The committee appointed at a former meeting to make inquiries regarding a suitable place for the show reported that the Tarrytown Hall could not be had but that very suitable arrangements could be made for the Irvington Town Hall. They reported this as being equally as large as the Tarrytown Hall and even better suited for the purposes of a flower show. On their recommendation it was decided to hold the show there. Mr. John Brunger, gdr. for I. M. Seligman, Esq., Irvington, N. Y., was appointed manager of the show.

The monthly prize, for two plants of Cyclamen, was won by Mr. James Stuart, gdr. for Mrs. F. A. Constable, Mamaroneck, N. Y., with splendidly grown specimens. So highly did they appeal to the judges that they recommended the awarding of a cultural certificate in addition to the regular prize; on vote the certificate was unanimously awarded. Mr. Stuart then gave his methods of raising Cyclamens. This will be found on another page.

At the next meeting of the Society the subject is to be Roses, the monthly prize being offered for a vase of twelve other than American Beauty. Mr. M. Hendry, gdr. to W. A. Read, Esq., Purchase, N. Y., will give a talk on Rose culture.

For the March meeting, the prize is offered for three varieties of forced vegetables. WILLIAM SCOTT, Corr. Secy.

Florists' Club of Philadelphia

The regular monthly meeting of the Florists' Club of Philadelphia was held February 1, and was well attended. After the business session, a paper was read by A. Fahrenwald on "Why a Rose Grower should join the American Rose Society," which was well received, and upon motion was accorded a unanimous vote of thanks by the members present. After the reading of the paper (which is printed elsewhere in this issue) considerable discussion was indulged in by Chas. Meehan, Leo. Niessen, O. J. Thilow, Geo. Watson, Robt. Kift and others, and many interesting points were brought out, relative to the small amount of interest in the hybridizing of Roses, and the trying out of the new varieties, by the average grower. As to whether the Rose or the Carnation was the most popular flower opinions varied considerably, but the majority thought that the Rose was the greater favorite, although its close competitor was a near rival. Because one grower in a community could not make a new Rose variety pay, his failure was generally accepted as meaning that the variety was no good, and as such news travels rapidly such variety was soon relegated to the rubbish heap; if every grower would try for himself, and give the newcomer all possible chance, it was agreed that there would be on the market many more varieties of Roses, than are seen today. The raising of Roses from seed, the elimination of the bad stock, and growing on and establishing of new varieties, was no small task, and one in which a deal of labor and expense was involved, while the final perfecting of exhibition blooms from these seedlings was a job which few growers cared to undertake. The rapid strides into popular favor which the two Killarneys have made, was cited as an instance, and although the variety made a poor showing at the start, it has proved that when growers understood its nature, it was as profitable a Rose as could be grown today.

The retailers came in for their share of criticism but Mr. Kift ably defended the retailers by saying that all first-class stores were willing to handle the greenhouse products, providing they could be produced at a price reasonable for the demand, and that keeping qualities were such as to recommend them to the store patrons.

Mr. Fahrenwald thought it strange that no attempts had been made to improve on the American Beauty, saying that a Rose of that class having the same perfume, but with the color of a Richmond, would be welcomed by the trade in general. Mr. Thilow lamented the fact that most of our newer varieties had to be imported from other countries, and spoke of the large field in America for the hybridist, in which to produce American raised seedlings.

Mention was made of the coming meeting of the American Rose Society in New York, on March 16 next, Mr. Fahrenwald agreeing to take care of any who would make up a party to attend the convention, either as exhibitors or visitors.

At the next meeting a paper will be read by A. M. Herr of Lancaster, Pa., on "The Carnation," which should prove to be more interesting as following so closely on the recent Carnation Convention in Pittsburgh, Pa.

F. E.—Best Advertising Medium

PALMS And Other Seasonable Stock

We have an extra good stock of Forsteriana, made up, three plants in a pot or tub, all clean, perfect plants. We need to reduce our Palm stock, and are giving extra values.
7 in. pots, 3 plants in a pot, 40 to 44 in. high, $4.00 each
8 " 3 " " 44 to 48 " 5.00 "
Single plants Kentia Forsteriana,
7 in. pots, 6 to 7 leaves, 36 to 40 in high, $2.50 each
8 " 6 to 7 " 40 to 44 " 3.50 "
(Full lins of sizes of both Forsteriana and Belmoreana in Price List No. 5, just out. Send for it, if you do not receive it.)
GENISTA RACEMOSA, 5 in. pot plants, bushy, $3.50 per doz., $25.00 per 100.
RHODODENDRONS, 18 in. plants with 8 to 12 buds, $9.00 per doz.
" " 24 " " 12 to 15 " 12.00 "
AZALEA MOLLIS, 12 to 15 in. high, full of buds, $30.00 per 100.
" " 15 to 18 " very bushy, full of buds, $35.00 per 100.
BOUGAINVILLEA GLABRA SANDERIANA, 5 in., well shaped, bushy plants, $3.00 per doz.
ASPARAGUS SPRENGERI, 2 in., $2.50 per 100, $20.00 per 1000.
BOXWOOD, fine bush-plants, 12 in. high, $3.00 per doz., $20.00 per 100.
FUCHSIAS, assorted in 6 best varieties, $3.00 per 100, $25.00 per 1000.

THE STORRS & HARRISON CO., PAINESVILLE OHIO

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PALMS! Especially strong plants ready for shifting

Kentia Belmoreana, in 2½-in. pots, $9.00 per 100, $85.00 per 100
Areca Lutescens, in 2½-in. pots, $7.00 per 100, $65.00 per 100

JACKSON & PERKINS CO., Newark, (Near Rochester) New York
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Ferns, Aspidistras, Araucarias,
PHOENIX CANARIENSIS
Large Oleanders and many other plants

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RUTHERFORD, N. J.

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ASPARAGUS PLUMOSUS

From 3-in. pots, $6.00 per 100; from 2¾-in. pots, $3.00 per 100.

MAMMOTH VERBENAS, Rooted Cuttings; $1.00 per 100, $8.00 per 1000.

ASPARAGUS SPRENGERI

From 3-in. pots, $5.00 per 100.

DRACAENA INDIVISA

4-in., $15.00 per 100; 5-in., $20.00 per 100.

MISCELLANEOUS

ABUTILON Savitzi, 2¾-in. pots, $3.00 per 100.
AMPELOPSIS Veitchii. Pot grown, $3.00 per 100 and $6.00 per 100 (two sizes).
ACHYRANTHES. Best varieties, $1.00 per 100, $8.00 per 1000.
AGERATUM. Blue and white, $1.00 per 100, $8.00 per 1000.
CANNAS, Dormant Tubers, $2.00 and $3.00 per 100.
CARNATIONS: From pots and Rooted Cuttings; send for catalogue for varieties and prices.
CHRYSANTHEMUMS, 60 fine varieties. Rooted Cuttings, $1.50 and $2.00 per 100.
COLEUS. Bedding and fancy varieties, $1.00 per 100, $8.00 per 1000.
CUPHEA platycentra. $1.25 per 100.
BEGONIA Erfordi. Pink and white, $2.00 per 100; Crimson Bedder, $2.00 per 100.
FEVERFEW, The Gem. $1.50 per 100, $12.00 per 1000.
FORGET-ME-NOT, $1.50 per 100.
FUCHSIAS. Double and single, $2.00 per 100.
GERANIUMS. Double and single, $1.50 per 100; $14.00 per 1000.
GERANIUMS, Ivy-leaved, 2¾-in. pots, $3.00 per 100.
GERMAN IVY. $1.60 per 100.
HELIOTROPE. 8 best varieties, $1.25 per 100, $10.00 per 1000.
LANTANAS, 2¾-in. pots, $3.00 per 100.
LOBELIA. New double blue, $2.00 per 100.
MOONFLOWER (True). White, $2.00 per 100; $15.00 per 1000.
SALVIA. New varieties, $1.50 per 100; $12.00 per 1000. Splendens and Clara Bedman, $1.25 per 100; $10.00 per 1000.

WOOD BROTHERS, FISHKILL, NEW YORK

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F. E. Best Advertising Medium—Alive and Up-to-date

AMONG THE GROWERS

Lehnig & Winnefeld, Hackensack, N. J.

This firm has been very successful with pot grown Carnation plants, the variety handled by it proving very adaptable for the purpose. It is a seedling raised by the firm, and grows about 12 to 15 inches high, plants having as many as 12 blooms on at one time, besides numerous buds. These plants have been largely handled by the prominent retailers of New York City. The color is deep rose pink and a red sport from it will be propagated and grown into salable plants for next season. Three plants, grown in an 8" or 9" pan, sell at wholesale for $1 and $1.50. The firm has a number of these plants which will be ready for Easter, and it is the present intention to disseminate the variety among the trade next Fall. The firm is also growing about 6000 Easter Lilies, giganteum and Formosum being the two varieties most prominent. But very little disease has been seen in the bulbs secured, and only about 5% will be discarded.

Twenty-five thousand Cyclamen seedlings are growing on, to be ready for next year's crop, a product for which the firm has become well known. Many varieties of Nephrolepis are also handled, and Begonia Gloire de Lorraine, Poinsettias, Ardisias and Alternantheras are grown extensively.

John Birnie, West Hoboken, N. J.

This establishment is a marvel of productiveness and a visitor can see at a glance that an experienced hand is at the head of affairs. Mr. Birnie has growing several thousand Carnation plants, which are now in excellent crop, including such varieties as Queen, Fair Maid, Enchantress, Harlowarden and a few others. The two first named varieties, while not new by any means, have proved so satisfactory that unless something unforeseen occurs, they will form the staple kinds for the next few years; although the flowers produced are not as large as those from some varieties recently introduced, the productiveness is about three to one, and this is an important factor; besides, the popularity of Fair Maid among the local florists is warranty enough to continue growing it on.

Preparations are now under way for the growing on of thousands of Geraniums, Heliotrope, Fuchsias, Petunias, Verbenas, Stocks, Mignonette and other bedding plants for which Mr. Birnie finds a ready sale in the New York Plant Market and other places, and his products are such that each year finds him sold out.

Thousands of plants of English Ivy in 2½" pots are handled yearly by Mr. Birnie, these being shipped to all parts of the country.

Mr. Birnie is well known among the trade of New York City, chiefly for his untiring efforts to secure a permanent plant market, a project in which he is still deeply interested, and he hopes some day to see his efforts, as well as those connected with him in the matter, rewarded.

The time is not far distant when Mr. Birnie's property will be divided by having a street cut through it, which will take away a part of the Carnation house, but it is intended to tear the whole structure down and rebuild away from its present location. After the street has been made one section of the property will be divided into building lots. A. H. S.

Henry A. Dreer, Riverton, N. J.

Preparations are under way at this establishment for an unprecedented Spring trade. With this in view, propagating of the many varieties of bedding stock is in full swing, and it will be hard to find an establishment which carries so complete a list of plants as the firm's recently issued catalog calls for.

A walk through the greenhouses reveals all kinds of stock, and includes many varieties of Geraniums, Heliotrope, double Petunias—for which the firm enjoys a country wide reputation—several new varieties of Coleus, vines for hanging baskets, and many other plants useful to every florist. The bulb department is stocked with a fine grade of Gladioli, tuberous Begonias, Gloxinia, Canna and Dahlia bulbs, all true to name; and no expense is spared to keep the varieties from becoming mixed, as an elegant yet simple system is worked out in this department.

Several thousand hardy Ferns for use in ferneries, have recently been transplanted to flats, in readiness for Spring orders, this department alone furnishing labor for several men during the entire Summer.

In the herbaceous department, digging roots of every variety of plant in the field is under way, the recent mild weather enabling the men to execute this work, a job which, owing to the immense amount of snow on the land, would have been a serious undertaking but for favorable weather which caused the snow to melt away.

The Hardy Rose department is a hive of industry, and the many thousands of hybrid and other Roses, being potted up are, to the uninitiated, a marvel, and wonder is where they all go. The firm has found that pot-grown Roses of every variety prove great successes to the purchasers, more so than the sending of a dormant stick with a label attached, and the idea is meeting with greater success yearly. The plants are dug, pruned and potted, then placed on the floor in a cool house, each plant having the variety name wired on. They are then watered thoroughly, and allowed to make roots and develop top growth slowly. Cold frames, having the sash raised, and boarded on all sides to keep off the cold winds, with mats on the glass, are also used to accommodate some of the stock, the pots being plunged into the soil. By this method florists can readily see that by early Spring A1 stock is produced. Referring to the popularity of this class of stock, an order for several hundred plants was received last year, and in order to send plants to reach the purchaser in good condition a box car was arranged for, in which two shelves were built, and the plants were packed (in pots) in this, thus making three tiers. The shipment arrived at its destination in very satisfactory condition, enabling the recipient to plant the Roses immediately; and although perhaps, the first cost was a trifle more, the established plants proved a wise investment, as all the plants flourished without experiencing any setback.

In the Palm and Fern department, which includes all foliage and decorative plants, the stock grows apace, and despite the immense quantity disposed of it is so managed, that other plants are coming along to fill up the gaps, so that it can reasonably be said, the firm can fill any sized order at any time.

The California Rose Co., Pomona, Cal.

In the propagation of Roses under glass it must be borne in mind that wood ripened under glass roots more readily than that grown outdoors, but Mr. C. E. Howland, president and manager of the California Rose Co., begins his work on wood, grown in his twenty acre field, about June 1, and continues until about Sept. 15, in a manner entirely different from any other I have seen, and that, too, with so little invested in the propagating part of the establishment as to be surprising to the old orthodox growers. Entire frames, 6x100 ft., showed 98% of a strike; even those varieties considered most difficult to root showed 80% rooted cuttings. These statements are not from someone else, but are made from my own observations, on different visits to the grounds of this establishment.

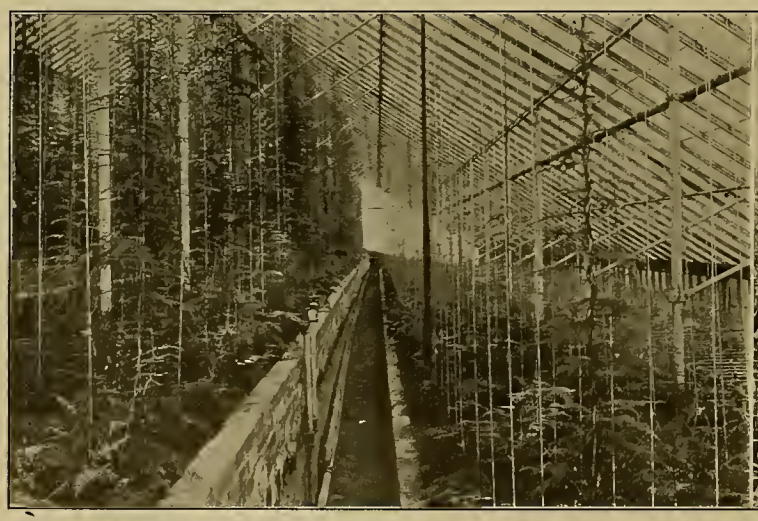
The field itself, 20 acres, almost as level as a floor, about an inch fall to every hundred feet, is set solid to Roses every Spring, with plants out of three-inch pots, the rows as straight as an arrow. The majority of the plants are Teas, or of that class, and begin to bloom as soon as they get hold of the soil. The buds are picked off until June, when the plants have made a foot or two of growth, then the wonderful sight begins and is kept up until October or November, according to how soon the rains set in. Twenty or twenty-five thousand Kaiserin Augusta Victoria are in contrast with the same number of the brilliant Gruss an Teplitz, followed by eight or ten thousand of the soft, beautiful colored Winnie Davis, which in turn is followed by the wonderfully floriferous and fragrant Duchesse de Brabant. It is not necessary to extend the list of varieties further. Rosarians will understand when it is said that the field is one solid mass of foliage and flowers. These lines are written for the benefit of southern California nurserymen, who have never seen this field of wonderful beauty, as well as for the information of the less fortunate members of the craft whose privilege it has not been to visit this land of wonders. The fact is that in all my journeyings in these United States, covering a period of half a century, my eyes have never beheld a sight equal in beauty and perfume as is presented by the half million young Roses each season, when in bloom, at the grounds of the California Rose Co. P. D. BARNHART.

Among the Nurserymen

DOVER, DEL.—The American Pecan Co. has been incorporated to engage in a general nursery business and nut culture. The incorporators are Wilmington charter representatives, and the capital stock is $500,000.

WASHINGTON, D. C.—Regret has been expressed by the president and by Mrs. Taft because the 2000 Japanese Cherry trees, presented by the municipality of Tokio to this Government, have been found to be infected with root gall worms, certain fungus diseases, and insect pests. The trees were to have been planted in Potomac Park, but the Secretary of Agriculture has found it necessary to recommend the destruction of the trees.

OLYMPIA, WASH.—The Supreme Court has decided in favor of defendants in the Spokane case of the Inland Nursery & Floral Co. against H. C. Rice, J. H. Mumm and E. L. Rice. The action was brought to cancel and hold void for fraud, stock held by the defendants. Rice & Mumm were engaged in the floral business at Spokane and organized this company with $50,000 capital and so sold their business and good will to the corporation for $25,000 paid up stock. Others were induced to invest $17,000 cash in stock of the company. It was claimed by plaintiffs that the business, instead of being worth $25,000, was worth less than $2000. It made no difference, said the Supreme Court, what the actual value of the property was so long as the corporation gave its stock in payment, and it cannot now claim the deal was one-sided nor can new stockholders complain.



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New York

Business among the retailers has been very good the past week, and the orders already booked for the remaining days of the social season will create more activity than usual. Decorations of all kinds are going on, and while no big events are looked for, the aggregate of material will be considerable.

Spring flowers are freely used in the uptown stores for window decorations. Thorley's House of Flowers is a veritable bower of beauty. Among the flowering plants seen this week are Crimson Rambler Roses and Hydrangea Otaksa in full bloom; these, together with Azaleas, Acacias, Ericas, and pots of Spring bulbous stock make a very fine window decoration.

Alex. McConnell's store window was decorated this week with a fine display of Beacon Carnations, in a large glass vase, surrounding which were potted plants, in bloom, of Apple and other flowering shrubs, besides fancy boxes filled with various colored Tulips.

A branch store of the Boston Flower Shop, 34th st. and Lexington ave. has been opened at the entrance to 509 Fifth Ave., at which place a large display case filled with cut flowers attracts the public; plants and other floral necessities are sold from a stand in the hallway.

G. Bradshaw has moved his office from the store of B. S. Slinn and is now located on the second floor of the Coogan Building.

E. Persson, grower for Mr. Fengar of Irvington, N. J., is sending to the cut flower market some white Perfection and Enchantress Carnations that show excellent culture. These flowers are select stock and arrive packed fifty in a box; needless to say that the demand for them is good.

Wm. Hanff, of Young & Nugent, 42 W. 28th st., has a decided novelty for St. Valentine's Day. It is a wire frame on which various flowers are fastened; the shape is conical, the top forming a cover which, when opened, discloses a bunch of Violets, candy or fruit, according to the taste of the sender.

Anton C. Zvolanek of Bound Brook, N. J., has settled his claim for damages for $1200 on account of the recent accident when he was run into by an automobile, his vehicle demolished and himself bodily injured. Mr. Zvolanek returned on Tuesday from his trip to California. He returned by way of Mexico and says he had a most enjoyable trip. That it suited him may be judged by the fact that he added 12 lbs. to his avoirdupois.

The Astoria Florist of 2208 Broadway has opened a branch store at Broadway and 83d st.

In our report of the convention of the A. C. S. at Pittsburgh the telegraph wire made us say that "John Boone" was one of the judges. Of course, everybody knows that this meant John Birnie.

John Reimels of Woodhaven, who was taken seriously ill at Pittsburgh last week, necessitating his removal to the South Side Hospital there, was brought home on Sunday by Mrs. Reimels. His illness was supposed to be pneumonia, but later was diagnosed as acute stomach trouble. Latest reports are that his condition is improving.

Recently we stated in these columns that the building in which is located the store of Geo. Saltford, was sold. That was an error, and we now make correction. The buildings sold were Nos. 37-39-41 W. 28th st.

C. C. Trepel of Brooklyn, and also at Bloomingdale's, is offering weekly sales of Violets, he having placed orders for many thousands the past few week ends. This is a great relief to the wholesale market, as with such orders, a general clean up is possible. Carnations also meet the same method of disposal.

Several shipments of badly bruised Cattleyas were received this week in the wholesale district, a fact which spoilt the sale of the flowers entirely.

Florists' Club Exhibition

At the next meeting of the New York Florists' Club, Feb. 14, the following prizes will be awarded: First prize for the best exhibit of Carnations; second prize for novelties sent out in 1908-'09, not less than 25 flowers of one variety; third prize for the best 50 Carnations of any variety. These prizes are offered by Reed & Keller, Stumpp & Walter Co., and Vaughan's Seed Store. All exhibits should be sent in care of Walter F. Sheridan, 39 West 28th st., who will see they are properly staged. The essayist of the evening will be Mr. W. H. Taplin, on "Carnations." Ladies are invited to attend this meeting.

Baltimore

The next meeting of the Club is expected to be a banner event; it will be a "Carnation" affair.

The cut flower market is still as fair as could be expected, considering the disagreeable weather we are now experiencing; it is cloudy nearly every day, naturally keeping the blooms back; there seems enough stock on the market to meet the demand, however, excepting in Roses. On Friday we had a heavy snowstorm, doing thousands of dollars damage to ornamental trees and shrubbery in some sections. Telephones were out of commission for a while and the roads in fearful condition. At present writing weather has changed and it will, no doubt, bring out blooms once more.

THE PUBLIC

APHINE

TESTS

held in New York in December, and in Boston in January, have given such satisfactory results to the manufacturers of Aphine, that another test will be held in Philadelphia on Lincoln's Birthday, February 12th, 1910.

Further particulars in next week's issue.

If you are not familiar with the new insecticide discovery APHINE, send for descriptive circular.

If your supply house does not yet handle APHINE, write us for names of nearest selling agents.

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Madison, N. J.

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All our own Novelties
American Novelties from various sources
As well as a number of Foreign Novelties
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White Sport of Helen Frick

CHRYSANTHEMUM

STOCK PLANTS, $2.00 & $3.00 per doz.

CARNATION ALVINA, $5.00 per 100, $45.00 per 1000.

DELIVERY AT ONCE!

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CHRYSANTHEMUMS Stock Plants. Mrs. Kalb, Estelle, White Bonnaffon, Alice Byron, Angele Laurent, Desjouis, Glory of Pacific, Mande Dean, Pink Ivory, Rosette, Amorita, Major Bonnaffon, Cremo, Halliday, Yellow Jones, Golden Glow, Baby, 50c. per doz.; $4.00 per 100. Golden Eagle and Baby Margaret, $1.50 per doz.; $10.00 per 100.

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Strong healthy plants, ready for a shift from 2¼-in. pots.

A. Ricard, Beauty Poitevine, Hill, J. Viaud, $2.50 per 100, $24.00 per 1000.

Nutt and Grant, $2.00 per 100, $18.00 per 1000.

CANNA ROOTS. Souv. d'A. Crozy, Egandale, Queen Charlotte, A. Bouvier, at $2.00 per 100, $18.00 per 1000.

Cash please.

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Ricard, Nutt, Buchner, strong, cool grown plants, from 2-in. pots, $2.00 per 100, $20.00 per 1000.

Ricard from 2½-in., $2.50 per 100. Mixed $18.00 per 1000.

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Rooted Cuttings

GEN. GRANT $10.00 per 1000.

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ASPARAGUS Sprengeri, from 2¼-in., $2.00 per 100.

Cash with order.

C. A. PETERSON, Madison, N. J.

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S. A. NUTT, BUCHNER, ...per 1000, $10.00
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6 CHRYSANTHEMUM NOVELTIES FOR 1910 6

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Large stock of indoor Grape Vines, 1 and 2 years old. Roses, Carnations etc. Send for list.

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Elmsford Nurseries
ELMSFORD, N. Y.

6 6

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GERANIUMS Low, stocky, from pots, sent nearly free of soil. S. A. Nutt, Buchner, Dble. Grant, $12.00 per 1000. Ricard, Perkins, Poitevine, Hill, $16.00 per 1000. Extra strong, Nutt, $2.25, and Ricard, Poitevine, $2.50 per 100.

COLEUS Ver. and G. Bedder, $8.00 per 1000. Fancy, brightest only, $5.00 per 1000. Giant Leaved, most showy of all, 30c. per 100. Aster, Late Branching, fine mixed, 40c. per oz. Ostrich Plume, select mixed, 30c. per oz. Cash.

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Special Offer OF GERANIUMS

2½ inch, S. A. NUTT, $16.00 per 1000.

Cash or C. O. D.

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	1000	100
S. A. Nutt and 8 other varieties 2½-in. pots	$20.00	$2.50
ALTERNANTHERAS, yellow, rooted cuttings		.60
VINCAS, Var. 2-in. pots		2.00
ASPARAGUS Sprengeri seedlings	7.00	1.00
PANSY PLANTS	2.50	

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DON'T GET LEFT
Geraniums! Geraniums!

Nutt, Doyle, Buchner, La Favorite, Grant, Bruanti and others, also Rose Geraniums, $18.00 per 1000; 500 at 1000 rates.

Ageratum, Stella Gurney, Pauline and others, R. C., 60c.; 2¼-in. pots, $1.00 per 100. Heliotrope, all dark, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Feverfew, Little Gem, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Achyranthes Lindeni, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Pilea, Artillery Plant, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Ivy, German, 2¼-in. pots, $1.50 per 100.

Cash with order.

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154 Van Vranken Ave., SCHENECTADY, N. Y.

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Prices Advertised in these Columns are for THE TRADE ONLY

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S. A. Nutt, Buchner, La Favorite, Jean Viaud, John Doyle and finest Mixed, $2.00 per 100, $5.00 per 300, $16.50 per 1000.

Cinerarias, Primula Obconica, Asparagus Sprengeri, Ivy Geraniums, Double Petunias (Dreer's), $2.00 per 100, $5.00 per 300.

J. C. SCHMIDT, Bristol, Pa.

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GERANIUMS

All sold until March. Orders booked for March 7th delivery and later. Nutt at $10.00; Poitevine and Ricard at $12.50 per 1000.

ASPARAGUS Plumosus, $25.00 per 1000; Sprengeri, $15.00 per 1000. Ready now.

ALBERT M. HERR, LANCASTER, PA.

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Extra strong, S. A. Nutt, Jean Viaud, Jean Oberle, John Doyle, Miss F. Perkins, $12.00 per 1000; $1.50 per 100. Cash with order.

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Best varieties, full grown plants from 2¼-in pots, $3.5 per 100; $30.00 per 1000.

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Cocos and Kentias 8 to 10 in., at $10.00 per 100

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A large and attractive lot of established plants; also importations coming, which we offer at advantageous prices.

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Extra Large Bostons. 7 in., $12.00 per doz.

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Best stock, largest assortment, 2¼-in. $3.00 per 100, $25.00 per 1000.

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King of Ferns; the most decorative plant in the world; strong grower, good keeper, fine seller.

4-in., $8.50 per doz., $66.00 per 100.
6-in., 12.00 per doz., 90.00 per 100.

10 and 12-in. specimens in handsome oak-colored tubs, with solid brass handles (novelty). No show window complete without one. $5.00 and $7.00 each.

ASPARAGUS Plumosus Nanus. Excellent 2¼-in. stock. $3.00 per 100, $25.00 per 1000.

Largest commercial collection of Ferns in the country.

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Fern Specialist

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The best payer and most prolific Fern to date. 2¼-in. $7.00 per 100.

	Per 100
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Whitmani, 2¼-in.	5.00
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A nice assortment and good bushy stock, and just now in fine shape, $3.00 per 100.

KENTIAS and COCOS Weddelliana for centers, 10c. each.

ASPARAGUS plumosus, $3.00 per 100.

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KENTIA Belmoreana, 6-in., $1.00; 5-in., 75c. and 50c.; 4-in., 25c.

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From bench, ready for 6-inch pots, $20.00 per 100.

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Assorted Ferns for Jardinieres in 5 to 8 best varieties. Good, strong plants from 2¼ in. pots at $3.00 per 100, or $25.00 per 1000.

ASPARAGUS P. NANUS Seedlings, strong, $1.00 per 100, $9.00 per 1000.

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WHITMANI, 2½-in., $5.00 per 100; $40.00 per 1000.
MAGNIFICA (new), $25.00 per 100.
BOSTON FERNS, 2½-in. $30.00 per 1000.

Henry H. Barrows & Son,
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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

F. E.—The Best Advertising Medium

Wilson-Hoyt Co's Concrete Benches

The accompanying illustration shows the concrete-steel bench construction of the Wilson-Hoyt Co., 1 Madison ave., New York City. The photograph was taken at the establishment of Charles Weber, Lynbrook, L. I., N. Y., where this type of bench has been very largely installed. The Wilson-Hoyt Co. undertake to build these benches entirely, or to furnish molds and other auxiliaries wherewith florists can build them themselves. For simplicity in construction this type of bench has much to recommend it. Its solidity and finish is apparent in the illustration. Mr. Weber is highly pleased with his benches, and emphasizes the fact that he cut Imperial Carnations from them at Christmas with stems running to 42 inches in length.

Newport (R. I.) Carnation Notes

At the Stewart Ritchie place, the Carnations, which is the principal crop there, are at their best and look the pink of perfection. When benched the plants were smaller than usual, but were not rushed at the start and have since made up for the little time then lost. As to varieties: Pink Enchantress is grown in greater quantity than any other and has again proven satisfactory in every way. Winsor, in color, is not keeping up to the standard, and Viola Sinclair, which is of a pretty shade when it comes true, is given to coming streaky and will be discarded. White Queen is still grown on account of its free blooming qualities—in this particular having just what White Perfection, which is a better flower, lacks—and as a late bloomer the White Lawson gives good satisfaction. As a red or scarlet I should have said Beacon has given good satisfaction and will be more largely grown next year. The demand for crimson and yellows is so small that no place is found for them here.

At John Chase's, Pink Enchantress is also the leader, and of much the same shade, being tested here, is the Mrs. Chas. Knopf, but it has not proven equal. Winona has proved superior to Winsor and the latter will have to go, the streaky coloring being its chief defect. In whites, White Enchantress, White Lawson and White Perfection are grown but, as the latter splits badly, it is likely to be discarded. Beacon has proved to be all that is desired in a red Carnation and is grown more largely; in fact, to date, it has produced more blooms than any other variety on this place, the next freest being Winona.

Stewart Ritchie has commenced to build a new house for Summer Roses, dimensions 100x28; the work is being done by his regular help, his son James being in charge. The old range of plant houses is also to be remodelled. At the time of the recent blizzard some sharp work, in the way of placing supports, had to be done in the range to keep them from collapsing with their load of snow.

A new house, 55x18, is being built by John Chase for starting early vegetables and flower seeds.

ALEX. MACLELLAN.

New Carnation Lady Algy

We are informed by Mr. A. H. Wingett of Lenox, Mass., that this new Carnation, which we figured and described on page 176 of our Jan. 29 issue, bears flowers averaging about 3½ in. across, which are carried on stems 2½ to 3 ft. long.

Carnations at Berlin, Conn.

I have several new varieties of Carnations, but am sorry to say I am not able to place them on exhibition at the Pittsburgh convention, as my stock is not large enough this season to cut the required number of blooms. The following is a description of my productions that have received high honors wherever exhibited. Almira and Elizabeth are registered:

Almira, a large pink variety, a little deeper shade than Lawson, upright in growth, healthy, and a very free bloomer. The petals are fringed and the calyx is perfect, with a good long stem that holds the flower up in grand style; size, 3" to 3¾".

Elizabeth, a beautiful deep red, an ideal color, full center, not fringed, good stem and excellent calyx. It is a free bloomer, without surplus grass, does not turn dark or discolor after cutting, and is a most wonderful keeper. This Carnation is a marvel of beauty and good points; size, 3" to 3½".

Tanagu, another deep red, a beautiful color, with fringed petals; habit like Harlowarden, but more robust in growth. It is a good healthy sort and an excellent keeper. The calyx and stem are perfect. It is a leader as a commercial red; size, 2¾" to 3¼".

W. H. SHUMWAY.

Books Received

SWEET PEAS UP-TO-DATE.—W. Atlee Burpee & Co., Philadelphia, Pa.

As stated in the preface, the present book is a revise of a former work, issued by the same firm in 1903, entitled "All About Sweet Peas." This new brochure has been written by Mr. George W. Kerr, a gentleman who has had many years' experience in England, both in the growing and exhibiting of Sweet Peas, and who has been with the Burpee firm at their Fordhook Farms (Pa.) during the past two seasons.

In the introduction credit is given to the results obtained by Henry Eckford and Thos. Laxton of England, the former of whom started his great life work on the improvement of Sweet Peas in 1870, and the latter his endeavors in 1877; also to Silas Cole, originator of the Spencer type, and to W. J. Unwin who founded the Unwin type, both these men also of England.

The contents include chapters on Soil and Preparation; Sowing and Planting; Sowing Out of Doors; Staking and Trellising (this chapter illustrated by four of the most practical forms of trellises which have given entire satisfaction at Fordhook Farms); Cultivating, Manuring and Watering; Winter Blooming Sweet Peas (credit being given to Anton C. Zvolanek of Bound Brook, N. J., for his improvements in early flowering Sweet Peas); Seed and Slow Germination; Insect Pests and Blight; ending with a chapter on the Spencer types. A useful reference list of "Spencer" Sweet Peas, including those introduced up to 1909 and advance trials of varieties to be introduced in 1910, follows.

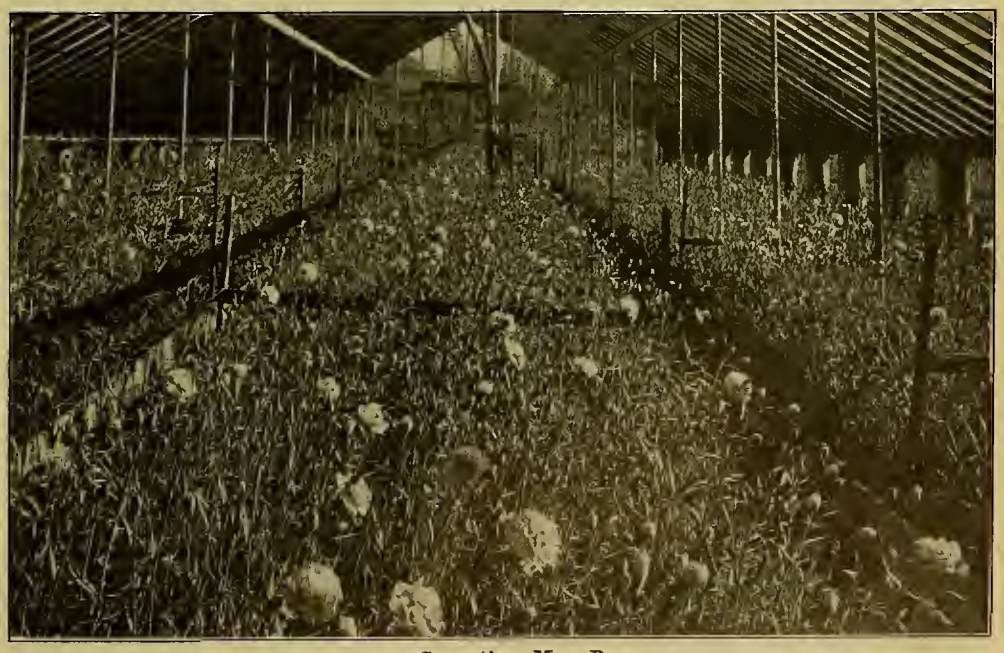
On page 38 will be found a list of the "Unwin" types of Sweet Peas, up to the 1909 introductions. This is followed by a "General List of Sweet Peas," occupying 22 pages.

A list of the best 12 varieties of "Spencer's" is followed by a similar list of the best 12 varieties of the older or grandiflora type. The best varieties for truckers and market gardeners are enumerated, and chapters on how to exhibit Sweet Peas and the use of these flowers for table and other decorations closes the informative part of the book.

A letter is given from the Rev. W. T. Hutchins, written from Santa Rosa, Cal., where he is now located, in which that gentleman conclusively shows that he is as great an enthusiast as ever on the Sweet Pea; he states that he is preparing to plant for next season 200 of the best sorts.

New Carnation Princess Charming

H. Eichholz, Waynesboro, Pa., Grower.
Awarded a Preliminary Certificate at Pittsburgh



Carnation May Day

This is a variety introduced by the E. G. Hill Co., of Richmond, Ind., last year. The flowers are of an excellent shade of satin pink, mounted on a fine stem with strong calyx. It is a wonderfully free bloomer, 20 to 24 flowering shoots being found on most plants. It is considered to be a very fine commercial variety.

Photograph courtesy of the Chicago Carnation Co.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

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The address label indicates the date when subscription expires and is our only receipt therefor.

The Florists' Exchange Design Book

The new edition of the Design Book, now ready for delivery, will be found a decided improvement upon all former issues; it has been completely remodeled and contains 80 pages, covering a multiplicity of designs. It will be freely admitted the most valuable compendium of its character ever offered to the trade, as well as the cheapest. It is sold only in connection with a subscription for this paper; The Florists' Exchange two years and one copy of the Design Book, new or renewal subscription, for $2.50.

Subscribers who have been patiently waiting for the new edition should receive their copy early in next week.

S. A. F. and O. H.

Change in Registration

S. Cockburn & Sons of Woodlawn, N. Y., make application to have the name of their Chrysanthemum, previously registered as Dr. Frederick A. Cook, changed to Mrs. Jane Cockburn. Public notice is hereby given of the application and unless objections to the change are received within 20 days from publication of this notice the change will be made.

H. B. DORNER, Secretary.

January 20, 1910.

[This notice was published in our issue of Jan. 29, the name then given being Mrs. Jane Cochran whereas it should have been Mrs. Jane Cockburn as now corrected. The variety referred to is an early pink, stock of which will shortly be placed on the market.—ED.]

Resignation of Mr. H. B. Beatty

Owing to impaired health, Mr. H. B. Beatty, treasurer of the S. A. F. & O. H., tendered his resignation as treasurer at a meeting of the executive board held at Pittsburgh, Pa., January 26 to 28, 1910. The resignation was accepted by the board. The appointment of Mr. Wm. F. Kasting of Buffalo, N. Y., as the successor of Mr. Beatty, was confirmed. Mr. Wm. F. Kasting having been duly qualified according to Article II, section 3, paragraph (d), is now treasurer of the Society.

Following are the resignation of Mr. Beatty and the resolutions passed by the board.

Pittsburgh, Pa., Jan. 27, 1910.

Mr. F. R. Pierson, President,
Society of American Florists and Ornamental Horticulturists,
Fort Pitt Hotel, City.

Dear Sir: I hereby tender my resignation as treasurer of the Society of American Florists and Ornamental Horticulturists, to take effect as soon as my successor can be elected and qualified.

As a large majority of the directors of the Society are in the city, I trust that you may be able to get them together today or tomorrow to elect my successor, as I desire to turn over all funds of the Society as soon as possible.

Very truly yours,
H. B. BEATTY.

Fort Pitt Hotel, Pittsburgh, Pa., Jan. 27, 1907.

WHEREAS, The executive committee of the Society of American Florists and Ornamental Horticulturists has received the resignation of Mr. H. B. Beatty, as treasurer of the Society.

THEREFORE, BE IT RESOLVED, That in accepting this resignation we desire to place on record our appreciation of his long and valued services to the Society, and his unbounded liberality with the office. We part with him with the greatest regret, which we feel sure will be shared by every member of the Society. It is only our consideration for his impaired health, which we are assured is due to overwork in his many interests, that compels us, reluctantly, to accept his resignation at this time.

H. B. DORNER, Secretary.

The American Carnation Society

The nineteenth annual meeting of this Society at Pittsburgh last week shows every evidence of having given eminently successful results, both as to the proceedings and the meeting.

Carnationists, generally, should pay attention to the recommendations in President Albert M. Herr's address which we reported in full on page 168 of our previous issue. There were many suggestions embodied therein which, if carried out, will enhance the interests of Carnation growers generally and the Society itself, as well as enlarge the value of that organization in the public eye, and tend to the betterment of business conditions among its members.

Mr. Herr's suggestion that a tag be attached to each bunch of flowers sent into the market, the tag to be marked with the letters "A. C. S." and to be used only by paid-up members of the Society, is one that, if carried into effect, will make the Society known throughout the length and breadth of the country, and should prove a "hall mark" for good flowers.

The enlargement of the market for Carnations is to be sought in the vending of same at fair prices to the actual consumer. When Carnations wholesale at $2 per 100, the final purchaser should not be charged from 10c. to 15c. each for the blooms.

President Herr's suggestion that a report from those who buy novelties in the first year of their dissemination be sent in to the secretary on Dec. 1 of the following Winter, giving their honest opinions of the variety from the buyer's point of view, is a good step forward. Reports from fifty growers from fifty different parts of the country on one particular variety should prove conclusive as to the value of said variety. As the circulation of these reports will be limited to the members of the A. C. S. only, their publication should largely augment the Society's ranks.

The next convention is to be in Boston and to be held conjointly with that of the National Flower Show. This will set back the hitherto accepted date of exhibition by some two months, but compensation therefor will be found in the greater interest and larger trade attendance.

Illinois State Florists' Association

It is hoped that many of the florists of Chicago and vicinity will attend the fourth annual convention of the Illinois State Florists' Association, to be held at the seat of the University of Illinois, Champaign—Urbana, Feb. 15 and 16. Preparations are well under way to make it one of the most interesting conventions of this growing young Society. The florists of the State ought to take advantage of this favorable opportunity to gain an object lesson in greenhouse building, and visit the College of Agriculture, as its equipment is model in all respects, and as nearly perfect as one could find.

The headquarters during the convention will be the Beardsley Hotel in Champaign. A banquet will be held there on Tuesday evening, Feb. 15, taking the place of supper, and beginning shortly after the regular supper hour. The sessions of the convention will be held in Morrow Hall, in the Agricultural Building, on the University campus.

The exhibition of cut flowers and novelties will be held in the foyer of the beautiful new auditorium. It has been decided not to hold a show of heavy trade exhibits, this being advised by the authorities of the University. All florists who have it in their power to show anything in cut flowers which will add to the attraction of the display are urged to lend their assistance.

A meeting of the executive committee of the Association met in Chicago this week to work up interest in the attendance at the convention and in the exhibition. The Association officers and local managers are working hard to make this convention a success and will appreciate the cordial support of florists from all parts of the State. The officers are: C. E. Gullett, Lincoln, president; Geo. B. Franks, Champaign, vice-president; J. F. Ammann, Edwardsville, secretary; Frank L. Washburn, Bloomington, treasurer.

The Coming Orchid Exhibition at Boston

We are publishing in this issue the complete Schedule of the exhibition of Orchids and other plants which is to take place at Boston toward the close of May next. Since the issue of the Preliminary Schedule, nearly one year ago, the classes have been increased from twelve to thirty-seven, and the possibilities of prize winning on the part of those maintaining small collections considerably widened: which is to be commended.

Classes 7 to 12 offer advantages to other than Orchidists and, as usual, the Massachusetts Horticultural Society will undoubtedly recognize at that time any exhibit of special merit in the way of new plants, which may be staged at that time.

Great commendation is due the officers of this progressive Society for the innovation, and it is our hope that the Orchid exhibition of 1910 will, in every way, be such a success as to warrant the holding of a second one, equally extensive, by 1915, if not before.

Look Out for 1911, Banner Exhibition Year!

Boston, again a favored city.
The National Flower Show.
The American Carnation Society Exhibition.
The American Rose Society Exhibition.
All going on at one time.

The selfsame week that the announcement was made (at the close of the National Flower Show, held at Chicago in November, 1909) of the likelihood of another show, to be held in the East, under the auspices of the Society of American Florists, The Florists' Exchange instituted an investigation, on its own account, as to the most desirable city in which to hold this show, and announced, as its conclusion, as may be recalled, that Boston offered greater advantages than even New York, and therefore was the logical strategic point. This decision has since been confirmed by the National Flower Show Committee, and the preparations already under way for the grand event give assurance that the most brilliant horticultural event to date will be that of the National Spring Flower Show of 1911.

As to patronage, not only will the citizens of Boston be present in great multitudes, but there will be such a gathering of horticulturists in that city as has never before been assembled.

Convention Western N. Y. Hort. Society

The annual convention of the Western New York Hort. Society opened its fifty-fifth annual meeting in Rochester, N. Y., Jan. 26. Eight hundred members were in attendance when President Wm. C. Barry called the meeting to order.

The main feature of the opening meeting was President Barry's address, which was characteristic of the speaker. After mentioning in a general way the work of the Society, asserting that it was uptodate, enthusiastic and, despite its advanced years, showed no evidence of decay, the major portion of the address was given up to the supreme importance of irrigation, and the president warned the grower of fruits that in order to be successful he should inform himself of what his neighbors and competitors were doing, and conduct his business on business principles.

On the morning of Jan. 27 it was estimated that 1200 fruit growers were in attendance at Convention Hall. The morning session opened with an address by Professor H. Stewart, botanist, N. Y. State Experiment Station, on "Plant Diseases of Present Interest;" he was followed by Professor L. H. Bailey of Cornell, Professor Parrot, entomologist, N. Y. State Experiment Station, and others. The chairman of the Nominating Committee, David K. Bell, recommended the following nominations for officers:

President, Wm. C. Barry, Rochester. N. Y. Vice-presidents: S. D. Willard, Geneva, N. Y.; J. S. Woodward, Lockport; S. D. Wadhams, Clarkson; Albert Wood, Carleton; Edward Van Alstyne, Kinderhook; D. K. Bell, Rochester. Secretary-Treasurer, John Hall, Rochester. Executive Committee: C. M. Hooker, Rochester; H. L. Wiley, Cayuga; D. Tenny, Eaton; Dewane Boyce, Medine; I. H. Dewey, Rochester. The report of the committee was unanimously accepted.

The exhibits of fruit and spraying machines were of much interest. On the evening of the 27th the public was admitted and entertained with a lecture and lantern slides, showing the various methods of attacking diseases. Methods of spraying were given and much interest was evidenced by the general public in the uptodate contrivances for the eradication of the pests peculiar to fruit and other trees.

It goes without saying that the fifty-fifth meeting of the Society stands out as the most successful one held to date.

H. B. S.

Does Man's Mind Have Power Over Plant Life?

Editor The Florists' Exchange:

In these days when so much is being said and written with regard to the influence of mind over matter, it has occurred to me that it might be profitable, if possible, to learn something about the power of the mind over plant life. For the sake of argument and at the risk of being called cranky, and that such ideas are absurd, I am going to say that within certain limits man's mind does have power over plant life. If such a statement is true then there ought to be a way to prove it.

It has been said of Burbank that he makes up his mind and wills what he wishes to get. Others have been credited with the same story. Whether this is true or not it does seem that man usually gets what he wishes for, within certain limits. How easy it is to weave a plausible even it somewhat romantic story out of the development of some of our florists' plants of today. Take, for instance, the Nephrolepis tribe. How remarkably well it has responded to the touch of man. Does it take much imagination to think that somebody thought or wished for a more beautiful form than N. exaltata, and thus Bostoniensis came into life? After Bostoniensis how easy to wish for a more wavy, or curled, or crested, or dwarf, or lighter green, or darker green, or in fact any of the beautiful forms such as are now in existence.

Again, take the Carnation—look at the Fisher tribe, are they all accidents? Mr. Fisher sent out Mrs. T. W. Lawson, a beautiful dark pink. Very soon somebody wished a white, a red, a light pink, a variegated, and lo! here there come.

The same may be said of Enchantress, or the Killarney Rose. Doubtless the introducers being so well satisfied, did not dream of a white Killarney. Of course, it will be argued if there is anything logical in the above the same thought should bring a crimson, yellow or any other shade of Killarney. As I said before, there are certain limits. Now, Mr. Editor, in conclusion I would like, if possible, to have the gentlemen who introduced the varied forms of Nephrolepis, and the different colored Carnations to say through your columns whether such a form, as it appeared, was according to their wish, or was it only that a different form appeared and they simply selected it. It would at any rate be of value to science if these gentlemen would put on record just under what conditions these forms appeared.

College Park, Maryland. THOS. H. WHITE.

How Can the Condensation be Stopped?

Editor The Florists' Exchange:

We have recently completed a potting shed along the end of a block of greenhouses, 18 ft. wide, 12 ft. of the roof of which is sheathed with common Virginia pine boards and covered with prepared roofing; the balance is a row of hotbed sash, under which we have a propagating bench. We maintain a temperature inside of from 52° to 58°, but the condensation on the sheathing is something fierce, dripping everywhere, and soaking the sheathing which will be rotted out in a short time. Can you, or some of your many readers, tell us the most effective and least expensive remedy. The heated portion of the shed, where the condensation occurs, is 180 ft. long.—H. J., Md.

Those Papers on "Exhibitions"

Editor The Florists' Exchange:

I see by my friend MacLellan's report of the proceedings of the Newport Hort. Society, at its last meeting, that a committee was appointed to prepare papers on all the leading phases of that all important subject, "Exhibitions." Considering how peculiarly and well fitted each member of that committee is to treat on the subject given him, I am sure many others will feel just as I do that at least the gist of these papers should appear in the "EXCHANGE."

Mr. Robertson, who has been given the subject, "The Mission and Utility of Exhibitions," will not merely state that exhibitions are sometimes a source of financial benefit to members and others. Mr. Hammond, whose paper will treat on "How to Prepare for the Exhibition," will not confine himself to a statement of how best to fill out an entry blank. Mr. Butterton knows a great deal more about "Staging Exhibits" than to content himself with telling how to carry a large Palm or Fern into the hall and how to stick a few Dahlias effectively in a large or small vase. Mr. Gardner's experience in judging is such that a great deal more may be expected from him than an assertion of his conviction that the very best in its class should (if the rules have been complied with) get first prize. Mr. Forbes will, without doubt, tell of some other and more effective method of increasing the attendance than free admission or open Sunday exhibitions.

Admitting the foregoing, Mr. Editor, help the cause by opening your pages to whatever our friend, your Newport representative, sends you with reference to this matter. D. M.

Parasitic Plants on Rhododendrons

Editor The Florists' Exchange:

It was with pleasing gratification that I read the valuable contributions by your esteemed correspondents, Mr. Thos. Meehan and others, which my articles of Jan. 8, page 53, on "Parasitic Plants on Rhododendrons," had called forth, all of which, in the main point at issue, substantiate my views on the subject. Your able exponent, Mr. J. P. Pedersen, touches very briefly on mycorrhiza or fungus roots, which cannot in the true sense of the word be called, or looked upon as having any parallel with parasitic plants. The fungi which form the mycorrhiza belong to those kinds which usually occur in the humus of woods and fields. They do not seem to act in any way injuriously to the root, but, on the contrary, stimulate it to renewed growth, and, no doubt, the root in its turn stimulates the growth of the fungus, nourishing it with its own sap, and, as Mr. Pedersen says, the partnership is beneficial to both kinds of plants, but the fungi cannot justly be termed a parasite in this case. Scientists tell us that lichens are not single, independent plants, but are constituted by the union of a fungus and an alga, so intimately associated as to appear to form a single individual. The alga, in virtue of its possessing chlorophyll, can supply the fungal constituent with organic food, while the fungus provides the algal constituent with water and mineral salts. At first sight, therefore, the association seems to be one of mutualism, i. e. a partnership fraught with equal benefits to the parties associated. Yet we are again told that while the fungus cannot exist apart from the alga, the latter can and does live independently. How widely distributed in Nature this arrangement of mycorrhiza is may be gathered from the fact that all our forest trees, such as Oaks, Beeches, Birches, Alders, Conifers, and also Poplars, Willows and Limes, are provided, where they grow in humus, with mycorrhiza. They will, however, develop normal rootlets and root-hairs if they are grown in purely mineral soils. While not being aware of any parasite indigenous to the root of the Rhododendron, yet this discussion has, as all healthful discussions will do, opened up a wider field of vision and has probably given us the clue to the expressions of my nurserymen friend which opened up this series of articles, and was a natural view to take, if the fungus or mycorrhiza root was looked upon by him as a close parallel to parasites; yet it is evident that there can be no analogy between a plant that is distinctly dependent and plants that are inter-dependent and independent.

Like your correspondent, Mr. Scott, I have handled Rhododendrons by the thousand, aye, by the hundred thousands, growing them from seed up through the various stages of development, grafting hybrids by the ten thousands, until ready to ship to America, and all over Great Britain and Ireland; yet I have not seen them grow in marl, but do not doubt the statement made by this gentleman, as clay predominates over lime or chalk in a marly soil. I have also been informed by letter, in regard to this discussion, that green manure should not be used to plant Rhododendrons. We all know, or should know, that green manure, during the process of fermentation, is injurious to nearly all vegetation.

A leading English statesman, on lecturing in the interests of agriculturists, told them that the best way to manure their land was to "manure it with brains," and I think that this aphorism is equally applicable, and probably more so, to horticulturists, as their profession opens up a wider and more varied field for the use of this necessary, yet sometimes too scarce a commodity.

INQUIRER.

Why the Small Rose Grower Should Join the American Rose Society

A paper read by A. Fahrenwald of Roslyn, Pa., before the Florists' Club of Philadelphia, Feb. 1, 1910.

I have often wondered why so many small Rose growers give the Rose Society the cold shoulder. The large Rose growers all seem to be members. Why should this be so? Has the small grower no benefit to expect as a member of the American Rose Society, or is he prejudiced against it? Surely there is no cause for either of these reasons. The most of the small growers have not come near enough to see and understand. It is time then that they make an earnest effort to see and understand, and by doing so they will soon recognize the value of this organization in the many tasks which it endeavors to fulfil, every one being of vital interest to every Rose grower.

As I said before, the large growers are all members. Now, did you ever stop to think why they are? Surely not for the fun of it. They are all too shrewd business men. The money they invest this way must bring them some interest. "Light your pipe," as they say, and think this over, it is worth while.

It is high time that we, as Rose growers, took notice that the Carnation is pushing the Rose into second place in the favor of the public.

It is impossible for me, in this short paper, to go into all the different subjects of usefulness of the American Rose Society, to pluck them apart and hold them up to the searchlight. I will merely confine myself to the yearly exhibition and convention, its value as an education and inspiration.

On March 16, 1910, the yearly exhibition and convention will be held in New York City. Now, fellow members, this gives you a fine opportunity to realize the value of such an exhibition as an education and inspiration. Most of us think we grow better Roses than the other fellow. An exhibition will open our eyes. Roses that at home we thought wonderful often diminish decidedly in our estimation when placed in competition with others. Here is the education if we want to see it. We are in this business for money. If Roses are not up to standard, we will not realize on them as we should. This may be a bitter pill to swallow, but it should be the inspiration for a greater and continued effort, which will easily pay in the future for the little time and money it took.

At the exhibition we also have an opportunity to see, alongside of the old standards the new varieties. The originators of these new varieties are sure to be at hand, each man eager to explain the strong points of his particular favorite—his rival only too eager to point out the flaws. There, too, you will see many of the brightest lights in the Rose growing profession, from whom you can get valuable pointers. You have the great pleasure of meeting old friends. Besides, the social side of these gatherings has a charm which no one who has ever attended can forget.

While we can read in our trade papers the essays read at the convention meetings, yet we miss the after discussions and criticisms, which are a most important and essential part of such meetings. Then, too, the enthusiastic arguments of some members, the hair-splitting arguments of others, the sound advice of those who confine themselves strictly to business so that one fairly sees the dollars sticking out, all combine to make these meetings serve as food for thought for many a day thereafter.

To make this Rose Society a success, it needs the interest and enthusiastic support of all Rose growers, large and small, over the entire country.

Every one who grows Roses for a living should feel it a sacred duty to belong to this Society; in fact, every one interested in Roses should belong and help bear out the motto of the Society, "A Rose for every home, a bush for every garden." Then, anyone growing Roses for a living, who cannot or will not be interested in the work of this Society will be the one who continuously kicks about bad times and prices, and howls about the "good old times." He is a dead one—"Peace be to his ashes."

Obituary

George Barnes

George Barnes, one of the old pioneers of Kosciusko County, died Jan. 22 at the county infirmary near Warsaw, Ind. For many years he was engaged in the culture of flowers here. He was aged about 80 years. His wife died five years ago.

I. J. Nudd

In the death of I. J. Nudd, who passed away Jan. 22 in a local hospital, Sioux Falls (S. D.) lost one of her unique characters. Mr. Nudd came here some years ago and engaged in the florist and truck garden business. For a number of years his health has been poorly but he had continued in his work as a florist and gardener and had a small stand near the John Olson grocery store on South Main ave.

Elias Emery

Elias Emery, a resident of Omaha, Neb., was born in Circleville, O., Feb. 26, 1826. He came to Omaha in 1862 and was a member of the territorial legislature in the early '60s. He engaged in the real estate business until 1884, when he retired from that occupation and devoted his time to horticulture, in which he took a great interest. He made a special study of the Rose and wrote a number of treatises on that flower that attracted attention throughout the country. He was also the author of numerous works on horticultural subjects.

He leaves three sons, Charles J. of Omaha and Solon and Elias of Cheyenne, Wyo.

William Scott Munro

It is with regret we announce the death of William Scott Munro of Vallejo, Cal. The deceased was born at Montrose, Forfarshire, Scotland, in 1835, and served his apprenticeship with a noted grower of Heaths in Perthshire, from there going to Methvens' Nursery in Leith Walk, Edinburgh. He was foreman there for seventeen years, and became famous as a grower of Ericaceous plants, propagating and growing them by the thousand. After leaving Methvens Nursery he came to America in the sixties and had charge of the Mitchell and Brandreth estates at Tarrytown, N. Y. He came to California in 1879 to take charge of the conservatories in Golden Gate Park, San Francisco. After being there for several years, he started in the nursery business in Napa County, finally retiring and settling in Vallejo, where he started a small nursery and, true to his first love, had several thousand ericas and epacris in all sizes at his place when he died.

His wife died about a year ago. He has five sons and three daughters, two of the sons following their father's profession, William being superintendent for C. T. Crocker, and Thomas in charge of the forestry work for the Spring Valley Water Co., San Francisco, Cal.

The Promenade, Fort Pitt Hotel, Pittsburgh, Pa.

This is where the ladies at the A. C. S. Convention were generally to be found. The doors at the end lead into the English Banquet Hall, where the exhibition and banquet were held.

Report of Final Proceedings of The American Carnation Society

Nineteenth Annual Meeting

Pittsburgh, Pa., Jan. 26 and 27, 1910

Thursday Afternoon Session

The meeting opened with the reading of a paper by Fred Burki, which was reported on page 176.

Mr. R. T. Brown of the Cottage Gardens Co., Queens, N. Y., who was invited to discuss Mr. Burki's paper, said that at Cottage Gardens a lot of plants had been forced out into the field through the fact that the greenhouse area at Cottage Gardens had been increased but it had not been practicable to increase the frame area, and for that reason it had been necessary to plant out in the field. In his opinion the field plants gave about as satisfactory results as those planted in the frames under glass. In explanation of the method of growing in frames he said the plants were practically out in the open. The glass was raised about 18 inches and was only used to give protection from the heavy rains. The plants were fully open to the wind and sun. Such protection was really the only use for the frames. Heavy rains on the Long Island soil were apt to cause stem rot in the plants.

Election of officers resulted as follows: Fred Burki, Pittsburgh, president; Allan Peirce, Waltham, Mass., vice-president; A. F. J. Baur, Indianapolis, secretary (re-elected); and F. B. Dorner, Lafayette, Ind., treasurer (re-elected). The election was by secretary's ballot, there being no other names in nomination. The officers elected, in brief addresses, thanked the members for the honor done them and promised hearty support in the work of the Society.

F. R. Pierson was unanimously elected a director for the term of five years, and made suitable acknowledgment.

Election of Judges was next proceeded with. Four were to be elected, and there were seven nominations—W. W. Coles, W. J. Vesey, Jos. H. Hill, E. A. Stroud, W. N. Rudd, Frank H. Traendly and Eugene Dailledouze. Mr. Dailledouze declined his nomination, but upon pressure being brought to bear upon him he agreed to stand. Upon a ballot being taken Messrs. Dailledouze, Rudd, Hill and Stroud were elected.

The president announced that he would appoint the following as the committee on introductions, recommended in his address: Joseph H. Hill, Richard Witterstaetter, Fred Burki, Eugene Dailledouze, M. A. Patten, W. N. Rudd, J. H. Dunlap, J. A. Valentine, S. S. Skidelsky and F. R. Pierson.

As a committee on final resolutions President Herr appointed the following: W. P. Craig, M. A. Patten and H. B. Dorner.

The case of John Reimels of Woodhaven, N. Y., who had been taken seriously ill the previous evening, was mentioned, and President Herr suggested that members of the Society visit him at South Side Hospital, where he had been taken.

Asked for his views on the premium list for the next exhibition in Boston, F. R. Pierson said the matter had not yet been considered in detail. The National Flower Show Committee, he said, had only taken up the general premium list. He presumed the Society's executive board would take up the matter of the Carnation list with the committee, and that it would be arranged with care. President Herr also pointed out that the preparation of the schedule was one of the duties of the board of directors.

On motion of J. A. Valentine the secretary was empowered to hire an assistant at the Society's exhibitions, with remuneration at $5 per day.

The paper by W. H. Breitenstein, on "A Carnation, the People's Flower," in the absence of the author was ordered to be printed in the proceedings.

The convention then adjourned.

Banquet to the A. C. S.

The banquet tendered by the Pittsburgh Florists and Gardeners' Club to the members of the American Carnation Society and guests, on Thursday evening, Jan. 27, at the Fort Pitt Hotel, was a huge success.

The brilliant scene presented in the banquet hall was one which will never be forgotten, and which could, perhaps, never be equaled, except in the same place, and, it might truly be said, with the same hosts. This should not be considered as a reflection on the florists of other cities who have entertained and will in the future entertain the different societies, but circumstances out of the ordinary combined to make the banquet setting one of extraordinary beauty. In the first place the English Banquet Hall of the Fort Pitt Hotel was placed at the disposal of the Pittsburgh hosts, and in the second place almost the whole of the exhibits were available for use in the decorations, this being due to the fact that the banquet hall was also the exhibition hall. At about noon on Thursday clearance of the exhibition hall was commenced and by evening the apartment had again assumed its banquet hall appearance and the decorations had been completed. Round tables of liberal proportions were used, and on them were huge centerpieces of the exhibition Carnations, the long stems of which allowed of every decorative effect in Carnations imaginable. Fountain and spray arrangements, baskets, plateau, columnar formations and groupings were all executed by the Pittsburgh craftsmen in a manner which was most creditable. At each end of the hall were massive groups of Carnations, the solid effect merely broken by variety in the elevations of the vases, and a judicious use of Cibotium Ferns and other foliage plants. The grand lighting from the ceiling electroliers brought out the magnificent contrasts presented by the dark oak panelled wainscoting of the hall, the white table cloths and the handsome gowns of the ladies. The table of honor, the largest in the hall, was located at the center of the farthest side of the hall, and at it the officers of the Society and of the Pittsburgh Club were seated. The seating of the guests was well arranged, and at each table was a jovial party.

The Carnegie Tech. Glee and Mandolin Clubs furnished vocal and instrumental music, and there were several excellent vocal solos. The menu was very fine; and the menu cards were most artistic.

After coffee had been passed President Herr proceeded to make presentation of the A. C. S. medals awarded at the exhibition. In acknowledging the receipt of the gold medal F. B. Dorner, Jr., said, "It is quite an honor to me to take home this medal, one we have won with our own flowers grown and raised by ourselves. I know that father will feel very proud when I bring this token home to the State of Indiana where Hoosier Lad and the Hoosier boy who raised it are living now." Richard Witterstaetter on receiving the silver medal said, "I can assure you it was not the one I was after, but we saw the different entries and realized that Hoosier Lad was the best, consequently we were satisfied we were not in the ring." Eugene Dailledouze, on taking his bronze medal, which he won with White House, said, "I feel like one who 'also ran.'"

William Falconer was then introduced as toastmaster, and his fitness for the office was well demonstrated by his many introductions during the evening. His first duty was the reading of a telegram from the Boston Gardeners and Florists' Club congratulating the Society on its convention and stating that pork and beans had been put in soak for 1911.

The toastmaster's first call was on President A. M. Herr, to tell "What the American Carnation Society is For, and What it has Done." Mr. Herr in response: "We came here seventeen years ago with an exhibition of 40 to 50 dozen flowers, all one-third of the size you see today. In this fact you see the seventeen years' growth and influence of the Society before you. I hope seventeen years from now my boy will be in my shoes and able to report the same progress."

From the "Wild and Woolly West" the toastmaster called S. A. F. ex-President Valentine to speak for the S. A. F. Mr. Valentine said: "It is only about four weeks ago since I had to telegraph congratulations to President Pierson, and I thought then I had 'laid down' official life in the Society, but it really has not been so with me. I am before you now as the personal representative of President Pierson who, as a matter of fact, is not only president of the S. A. F., but vice-president of the American Rose Society, and chairman of the National Flower Show Committee—and he is nervous. As to what I think the S. A. F. has done I do not believe I can segregate its work from that of the kindred societies. We know what the development in Roses and Carnations has been. I should consider the chief accomplishment has been the improvement in the ethics of our calling. We no longer believe that a man is an enemy of ours because he is in the same business. The more we get together the more we think of our fellowmen, and to me these societies count for much."

The subject "Our Boys and What We are Going to Do With Them" fell to P. S. Randolph of Pittsburgh. He said: "Our boys, as Carnation growers, will have a softer time than their fathers did. We have flowers now as large and fine as we want them, so what are the boys to do? A man likes to have boys follow his footsteps. We have the most entertaining and interesting business in the world. No one who has to labor experiences the same entertainment in his work that we do. We owe a great deal to the S. A. F., and the different societies have all done their share of good, but the credit really belongs to the S. A. F. Our boys have a very, very bright future before them."

The toast, "The Pittsburgh Florists and Gardeners' Club" was referred to E. C. Reineman, as the man who had done more for the Club than anyone else. Mr. Reineman said: "Florists' clubs are good. If there are only two or three florists in a town they should have a club. Before our Club was started there was a lot of jealousy. The florists hardly recognized each other, but since the Club was formed there has been nothing but brotherly love. A whole lot depends upon the officers of a club. As Mr. Falconer told you, I became connected with our Club and they elected me president and kept on doing so, and the Club did not make any progress then we got a gentleman from the East and he helped us until he died. Then we got another one from the East, and from that time on we made more progress. He made the meetings interesting by bringing plants and flowers. He could make them talk, and we gained considerable knowledge, and the Pittsburgh boys, I think, are the equal of any in the country. This gentleman is our oracle, and we place great faith in him. The gentleman referred to is our toastmaster."

"Next year, in Boston," said Mr. Falconer, "we shall have the best show ever held on this continent. Mr. F. R. Pierson is at the head of its committee and he will tell us all about the National Flower Show." Mr. Pierson in response said: "I have always considered Mr. Valentine as one of our substantial citizens and a man of his word, but he doubtless thinks he drew vividly on his imagination this evening when he called himself a dead one—unfortunately for him I must confirm his statement, for when on New Year's Day he telegraphed me his congratulation upon my entry into office he concluded with the quotation, 'The king is dead, long live the king.' I feel that as president of the S. A. F. I have a difficult position to fill. I cannot excel the administra-

House of Lady Bountiful
At Robt. Boyce's, Utica, N. Y.

tion of last year, unless I have Mr. Valentine's hearty co-operation. He has done a great deal to lift up our Society. I have been asked to say something about the National Flower Show, what the object of it is and what it will do for horticulture. It seems to me that the show presents a great opportunity to elevate horticulture to a higher plane. The national show of 1908 did a great deal of good. We are going after the work now, and with the hearty co-operation promised it looks as though we are going to have a successful show. More than $10,000 have been subscribed, so that the fund is about sufficient to carry on the work. I do not think you have any idea what the cost was to install the last show. It was over $25,000. It was ably handled, and produced a profit. It is our object to give you, in Boston, a novel show—a Spring show. The premium list calls for over $10,000 as it now stands. This list has not been padded; it is made to produce the goods. There is no section where you can gather as interesting a collection of plants as in the New England States. I believe we can evoke a large educational interest among the florists as well as the private people of this country. We are assured of having your support, and we are to have the hearty co-operation of the Mass. Horticultural Society. As to what the National Flower Show will do, it is going to elevate our profession. We have a strong organization, and I am proud to be a member of the S. A. F. We have a calling, too, we can be proud of, and the forthcoming show will be a memorable one in our history. They have such shows in England and Belgium, and it is our hope that this show will be repeated right along. The best augury is the success we have had, and I trust the Boston show will be the best we have had in these United States."

W. F. Kasting of Buffalo was next introduced as "a great politician," and as one who would tell how the Carnation had figured in politics. Mr. Kasting expressed some surprise at being called upon to handle such a subject, but nobly responded. "It is an actual fact," he said, "that Carnations have played a role in politics." He told of a case where he had furnished Carnations to be sent, with a tag attached, to a gentleman running for office as a councilman, and those Carnations "broke the slate." Continuing he said, "I well remember that they call Peter Reinberg the 'Carnation Alderman,' and when he got that name he was the successful candidate. Best of all, when people take office—I don't know whether any of you visit the city halls when people take office—outside, perhaps, of American Beauty Roses most of the flowers are Carnations; indeed, I might almost say more Carnations are used than anything. Send your politician your Carnations and you will do well."

"Our Trade Papers" was the next toast, and it was ably responded to by H. B. Howard.

H. M. Burgoyne of the Pittsburgh Chronicle-Telegraph made a most suitable response to the toast "The Pittsburgh Press." "Whenever a reporter comes to you on horticultural subjects," he said, "tell him the truth. If you think he cannot remember it, write it down. When you see a ridiculous thing in a paper it is your fault." Speaking of florists, he said, "The influence of flowers is great. Whoever hears of a millionaire florist running away with another man's wife; or eloping with a ballet girl?"

The toast "Our Ladies" was ably responded to by Judge W. J. Vesey of Fort Wayne, Ind.

"Our Ambitions" was a subject which the toastmaster called upon F. B. Dorner, Jr., to handle. Mr. Dorner said: "I have always been under the impression that the greatest aim was to get the A. C. S. gold medal, and having won it the next aim was to get another. These exhibitions of the A. C. S. stimulate all the growers to place on the exhibition table a vase of Carnations better than he has ever exhibited or grown before. Speaking for my own concern I must say we have won our first gold medal after years of work. Our ambition now is to bring forth even better flowers than we have ever grown before. I think that, in a great measure, everything we have done is due to the influence of the A. C. S."

Dr. John Brashear was then, as the only Canadian representative, called upon to say something for Canada, but his thoughts ran to flowers, and he made a splendid oration which was greatly enjoyed.

To Robert Craig fell the duty of responding to the toast "The Old Boys" Mr. Craig made one of his characteristic addresses, prefacing it by saying that he thought it rather a big subject for one evening. He also extolled the efforts of the Pittsburgh florists to provide a liberal entertainment such as they had. "But of course," he said, "when we come to Pittsburgh we expect something extra." He paid a tribute to Mr. Phipps of Pittsburgh, who had spent money in horticulture nobly. Reverting to the toast, he said he had in the last 30 years, been honored with the acquaintance of many of the leading men engaged in horticulture, and should he attempt to allude to all of them he would take up too much time. He felt though that he should mention a name or two. The first was the late John Thorpe, from whose enthusiasm sprang the S. A. F. The speaker spoke lengthily in eulogy of Uncle John and his unselfish devotion to floriculture The late Peter Henderson was next mentioned, and Mr. Craig spoke at length upon his devotion to his work. Of Wm. R. Smith, who is still in the flesh, he spoke lovingly, quoting, as applicable to him, Elbert Hubbard's paraphrase "Whom the God's love die young, no matter how long they live." The late Wm. Scott was also lauded and his work commended. Lastly he spoke of Edwin Lonsdale, whose work had carried him to another field. As a memento of Mr. Lonsdale's personality Mr. Craig proposed that a "verse" or two of "The [Grand Old] Duke of York" be sung by the company, whereupon the gathering sang uphill and downhill for several minutes.

L. B. Judson of Ithaca was the next speaker, and his subject was "Horticulture in the Colleges and Experiment Stations." It was lengthy but very interesting. In the course of Mr. Judson's address he made some strictures on Luther Burbank, and, after concluding, Toastmaster Falconer took up a fine Carnation bloom from a table and said, "If Burbank had produced anything as lovely as this Carnation we would forgive him for everything."

T. P. Langhans of the Pittsburgh Cut Flower Co. spoke to the toast of "Our Visitors," and extended a welcome to all to visit Pittsburgh again.

After a vote of thanks to the management of the Fort Pitt Hotel for courtesies extended, which included the free use of both exhibition and meeting halls, M. A. Patten presented final resolutions expressing the thanks of the Society to the Pittsburgh Florists and Gardeners' Club for its hospitality and many courtesies; to the Ladies' Auxiliary, and to all others who had helped to make the convention a success.

It was nearly one a.m. before the guests departed.

A Few Shavings Picked Up at the Pittsburgh Convention by a Westerner

Harry Balsley of Detroit says that he fully agrees with Jos. H. Hill that the young Carnations should be grown in pots.

* * *

There is a rumor that a tempting offer was made Judge Vesey to talk on "Our Ladies" in Boston, in 1911.

* * *

Ohio isn't a bit afraid of the East, but it is Indiana that is always butting in.

* * *

If you want hints on "How To Be Successful as a Toastmaster" Wm. Falconer is your man.

* * *

The Chicago delegation came to Pittsburgh in two separate shipments. The Cream and Garden City "Dry Martini's" took the 5.30 train, while the Apollinaris Trio went on the 8 o'clock—and George Asmus caught the 5.30.

* * *

Prof. Judson must have had a piece of "Burbank's Wonderberry Pie" just before he entered the banquet hall.

* * *

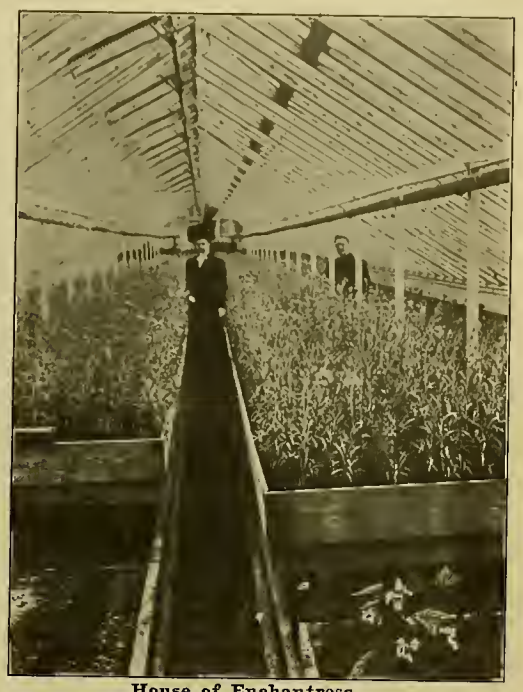
When a man can get you interested in as dry a subject as "Dormant Canna Roots," at a Carnation Convention, he must be a good one. We have proof that Harry A. Bunyard even went as far as to take orders.

* * *

C. L. Washburn, of Carnation O. P. Bassett fame, strongly recommends the installation of a moveable stairway all over Bakerstown.

* * *

Where were C. W. Ward, Peter Fisher, J. C. Vaughan and E. G. Hill? How could they afford to be away?



House of Enchantress
At Robt. Boyce's, Utica, N. Y.

Whenever you can duplicate that vase of 100 Beacons, staged by the Cottage Gardens Co., you are a real Carnation grower.

* * *

The souvenir spoons given to the visitors at the Heinz's Pickle works saved the Fort Pitt Hotte about $47 worth of silverware.

* * *

To listen to Robert Craig is indeed a privilege.

* * *

I wonder if Boston fully realizes what a job the boys have on their hands?

* * *

Here is a puzzle.—If it took 20,000 Carnations to elect Peter Reinberg as an Alderman in the Windy City, who will be Mayor of Buffalo some day? Good luck, Bill!

* * *

The fact that Frank Traendly was practically the only wholesaler in the party which visited the Heinz establishment should prove that only the grower is really interested in the subject of "How to Pickle Successfully."

* * *

The few words E. C. Reineman spoke about the good that comes out of a Florists' Club should be put in print, and a copy sent to every grower who doesn't belong to a club.

* * *

Witterstaetter's beautiful pink seedling grows on you the more you see of it, that's why it was named after J. A. Valentine.

* * *

"It may be a good thing, after all, that we meet in Boston next year—it will give them a chance to see 'Bright Spot,'" said Nic Zweifel as he was boarding the Schlitz special for home.

* * *

Why was W. N. Rudd sent home without his dinner? He certainly earned it.

* * *

If John out in Schenley Park gets those longliflorums in for Easter we (the writer) buy a silk hat.

* * *

August Poehlmann and several other enthusiasts contracted a severe cold looking for a vase of Bay State, but the doors of the Buffet Bazaar closed promptly at 11 o'clock, so they sat, waited and shivered until Thursday morning.

* * *

It almost takes an expert to call the white Carnations by name.

* * *

Five flowers of Hoosier Lad, taken from the centerpiece of one of the banquet tables and brought to Illinois are still in good condition, and this is Saturday, 11 p.m.

* * *

If more growers were able to realize what they would gain by attending the Carnation Society's convention more would come.

* * *

Because the convention was a success without Baby Foley doesn't say that we haven't missed him.

* * *

After listening to F. R. Pierson, some of us have started already to lay up for carfare to the Bean City.

* * *

Ed. Winterson does think it a shame to have all that beautiful marble in the ceiling and on the walls of the basement of the Fort Pitt Hotel used for a Rathskeller.

* * *

There isn't one of us who left Pittsburgh with anything but the most pleasant recollections of the hospitality and kindness shown by everyone of the Pittsburgh boys—long will we remember all of them.

THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

Members of the Pittsburgh Cut Flower Co. At the left is Treasurer W. A. Clarke; next is Secretary T. P. Laughans, and next President Fred Burki.

An Enjoyable Visit

A most pleasing feature of the entertainment of the visitors to the A. C. S. Convention at Pittsburgh was the trip on Friday, January 28, to Bakerstown, Pa., where is located the plant of the Pittsburgh Cut Flower Company. The party, numbering about 100, left the Fort Pitt Hotel at 9.30 a.m. and were placed on two special cars. After a ride of about an hour and a half they arived at Bakerstown, which is about 1600 feet above sea level, where they embarked on huge sledges—really converted hay wagons—and were taken to the establishment of the Company. After a run through the greenhouses in both sections of this large plant, they assembled in the packing room where an excellent lunch was spread and an hour very pleasantly spent. Acknowledgement of the Company's hospitality was shown in a vote of thanks and hearty cheers. The return trip was made in the same way, a little wait at the station being enlivened by a snowball battle.

N. Y. and N. J. Association of Plant Growers' Annual Dinner

The second annual banquet of the New York and New Jersey Association of Plant Growers was held at the Hotel Astor on Wednesday evening, Feb. 2, and was well attended. One of the prettiest dining rooms in the hotel was used for the affair, and its beautiful setting, with moonlight effects, added not a little to the enjoyment of the evening. For an hour before the dinner call the guests were assembled in the gallery and indulged in social intercourse to their heart's content. An excellent orchestra furnished music, both before and during the dinner.

The tables were nicely decorated, Orchids and Lily of the Valley most prominent in the centerpieces. The menu was of a high order, and the dishes were served in the true Astor style.

After coffee had been passed Julius Roehrs, Jr., who presided, introduced as toastmaster Fred L. Atkins of Rutherford, N. J. A silent toast, all rising, was then given to the memory of John Scott, Herman Dreyer and E. V. Hallock, members of the Association who had passed away within a year.

The toastmaster made a happy opening address. He congratulated the members upon the success of the organization and complimented them upon the number of ladies present. He thought the ladies should enjoy the pleasures as well as the troubles of the growers' business. While he did not think any of them that evening showed evidence of trouble he considered their presence most gratifying. The first speaker, he said, would be a gentleman who, although a German, had made his mark in growing Scotch Heather, Anton Schultheis.

Mr. Schultheis spoke of the advantages which had accrued to the organization through its social meetings, which had seemed to eliminate all petty jealousies which might have existed and had elevated the plant growing end of the florists' business. He referred to the effort now being made by the New York Florists' Club to establish a plant market, and asserted that he would be ready to send, regularly, a load of plants to such a market, win or lose. He did not see why New York could not have such a market. The London Covent Garden market had been a success for years, and a similar venture here ought to be successful.

Julius Roehrs, Jr. was then called upon as the representative of one of the greatest plant growing industries in the country, to tell what was being done in the direction of the Orchid business, "what the business was, what it is, and what in the future it may be."

Mr. Roehrs acknowledged his call in a few words, and said that the best way to answer the question would be for the members to visit the Roehrs' establishment, where, he said, they would be heartily welcomed.

A. L. Miller being called upon to say something for the N. Y. Florists' Club, said that his experience as president of the Club was quite short, but a year from now he would be glad to tell what he had learned. He said that a committee of the Club was hard at work on the plant market problem, and he hoped that very shortly a report would be forthcoming.

F. R. Pierson spoke of the good the different trade bodies were doing for horticulture. He believed that such social affairs as the present one added not only to the pleasures but to the profits of the business. In his opinion the threshold had only been reached as far as the possibilities of New York trade were concerned. It was within his memory, he said, that 25 years ago a friend had said to him: "Do not go into the flower business, it is overdone." If that gentleman were living today he would be surprised. He thought that while today the business looked big, a quarter of a century from now those at present engaged in it would appear as pygmies. He emphasized the necessity for a strong horticultural body in New York, and appealed to plant growers to interest themselves in its formation. While small associations were of value all should lend aid to form an organization which should be general in its character and interest the public.

H. C. Steinhoff displayed his ability as an after-dinner story teller; and John G. Esler told of the experiences of the Florists' Hail Association for the past 22 years, and of the good that Association was doing. Wm. Elliott told something of what he knew about plant selling; and Wm. J. Stewart threw a little light on the social side of Boston, a city in which all florists were now to become more than ordinarily interested. Mr. Drury of A. H. Hews & Co., Cambridge, Mass. expressed his pleasure at being at the banquet, as also did John G. Whilldin of Philadelphia. Louis Dupuy suitably acknowledged the toastmaster's call on him as "one of our leading plantsmen." J. H. Pepper said a few words in behalf of "The Press," and Louis Schmutz said some complimentary things in regard to the Association of Plant Growers. W. H. Siebrecht, who was introduced as "the man who grows more Tulips than all of us put together" gave his views on the advantages of the Association; and Alex. J. Guttman expressed himself on the same subject, taking a wholesaler's standpoint. W. H. Siebrecht, Jr. spoke nicely for the Association; and John Donaldson explained why he was late and how near he came to missing the good time all were experiencing at the banquet. J. Austin Shaw was the last speaker, and his toast was "The Ladies," a subject which evidently suited him.

ILEX FARGESI.—Several nice plants of this new Chinese Holly are to be found in the Coombe Wood Nursery of Messrs. Veitch, while seedlings of the same species have been raised at Kew within the past year. It is not, however, generally known as yet. Though it is not likely to attract so much attention as another new species, I. Pernyi, which has recently been put into commerce, it is sufficiently interesting to be sought after by lovers of rare shrubs, for it is quite distinct from any other cultivated Holly. Seeds were sent from western China by Mr. E. H. Wilson, but the species had been known for some time previously by herbarium specimens. Travellers inform us that it is met with as a good-sized shrub up to 15 feet in height in China; but from what can be imagined from the character of the plant as grown at Coombe Wood it will not attain that height here, or not for a very long time. The branches are rather long and thin, red in color, and clothed with evergreen leaves, which are each from three inches to four inches long, and one-quarter inch to one-third inch wide, with slightly serrated edges and a long, acuminate apex. The upper surface is dark green, the under surface paler. Dried specimens show small red fruits, borne in axillary clusters, but they do not strike one as being so showy as those of many other species. So far as hardiness is concerned, it appears to be able to withstand as much cold as the majority of shrubs, and was less damaged last Winter than such sorts as Ilex dipyrena and I. latifolia, the leaves of which suffered rather badly in some districts.—*Gardening Illustrated.*

Visiting Carnationists at the establishment of the Pittsburgh Cut Flower Co., at Bakerstown, Pa., Jan. 28.

Complete Schedule of—Great Exhibition of

ORCHIDS

And Other Plants

To be held at Boston, Mass., May 26, 27, 28, 29 and 30, 1910, under the auspices of the Massachusetts Horticultural Society

Intending exhibitors must file their entries with the secretary of the Society not later than April 1, 1910.

No. 1. For the best display of Orchid plants in bloom, arranged for effect, embracing at least 20 Orchid genera and bi-generic hybrids, and unlimited as to number of species, varieties and hybrids, to fill 400 square feet of space.

In the arrangement stove and greenhouse foliage plants may be used, and the general effect produced (with or without such plants) will be considered by the judges in making awards as per the following scale of points:

Variety of Orchids .....30 points
Quality .....35 points
Arrangement and Decorative Effect .....25 points
Novelty of Orchids .....10 points

Cut blooms of rare sorts not exceeding in number five per centum of the total number of varieties of Orchid plants in the exhibit will be admissible.

First Prize ....Gold Medal and $1000
Second Prize..Silver Medal and 500
Third Prize..Bronze Medal and 250

No. 2. For the best display of Orchid plants in bloom, arranged for effect, embracing at least 10 Orchid genera and bi-generic hybrids, and unlimited as to number of species, varieties and hybrids, to fill 150 square feet of space.

In the arrangement stove and greenhouse foliage plants may be used, and the general effect produced (with or without such plants) will be considered by the judges in making awards as per following scale of points:

Variety of Orchids.....30 points
Quality .....35 points
Arrangement and Decorative Effect .....25 points
Novelty of Orchids.....10 points

Cut blooms of rare sorts not exceeding in number five per centum of the total number of varieties of Orchid plants in the exhibit will be admissible.

Commercial growers excluded from competition.

First Prize .....Gold Medal and $200
Second Prize ..Silver Medal and 100
Third Prize ....Bronze Medal and 50

No. 3. For the best recently introduced Orchid plant not previously exhibited in the United States. Gold Medal

No. 4. For the best new seedling Orchid plant not previously exhibited in the United States. Gold Medal

No. 5. For the largest and best display of cut Orchid blooms arranged with Ferns or other foliage. Variety and decorative effect will be considered.

First Prize ....Gold Medal and $100
Second Prize ..Silver Medal and 50
Third Prize ..Bronze Medal and 25

No. 6. For the best collection of cut Orchids of new varieties not before exhibited in the United States. Ferns or other foliage may be used in the arrangement. First Prize, Gold Medal

No. 7. For the best group of flowering and foliage stove or greenhouse plants arranged for effect.

First Prize .....Gold Medal and $100
Second Prize ..Silver Medal and 50

No. 8. For the best new species of stove or greenhouse plant in bloom not previously exhibited in the United States. Gold Medal

No. 9. For the best new species of stove or greenhouse foliage plant, exclusive of Ferns, not previously exhibited in the United States. Gold Medal

No. 10. For the best new species of coniferous plant, not yet disseminated, likely to be hardy in Massachusetts. Gold Medal

No. 11. For the best new species of shrub or climber in bloom, likely to be hardy in Massachusetts, not previously exhibited in the United States. Gold Medal

No. 12. For the best new species of hardy herbaceous plant in bloom, likely to be hardy in Massachusetts, not previously exhibited in the United States. Gold Medal

No. 13. Group of botanical Orchids, not less than 25 plants and 15 genera.

First Prize ....Silver Medal and $25
Second Prize ..Bronze Medal and 15

No. 14. Six Orchid plants, distinct genera.

First Prize ....Silver Medal and $50
Second Prize ..Bronze Medal and 25

No. 15. Three Orchid plants, distinct genera.

First Prize ....Silver Medal and $25
Second Prize ..Bronze Medal and 15

No. 16. Three Cattleyas, distinct species.

First Prize ....Silver Medal and $25
Second Prize ..Bronze Medal and 15

No. 17. Specimen Cattleya, any species.

First Prize .....Silver Medal
Second Prize .....Bronze Medal

No. 18. Specimen Cymbidium.

First Prize .....Silver Medal
Second Prize .....Bronze Medal

No. 19. Three Cypripediums, distinct species.

First Prize ....Silver Medal and $15
Second Prize ..Bronze Medal and 10

No. 20. Specimen Cypripedium.

First Prize .....Silver Medal
Second Prize .....Bronze Medal

No. 21. Specimen Dendrobium.

First Prize .....Silver Medal
Second Prize .....Bronze Medal

No. 22. Three Lælias, distinct species.

First Prize ....Silver Medal and $25
Second Prize ..Bronze Medal and 15

No. 23. Specimen Lælia, any species.

First Prize .....Silver Medal
Second Prize .....Bronze Medal

No. 24. Three Lælia-Cattleyas, or Brasso-Cattleyas, distinct.

First Prize ....Silver Medal and $25
Second Prize ..Bronze Medal and 15

No. 25. Six Miltonias.

First Prize ....Silver Medal and $25
Second Prize ..Bronze Medal and 15

No. 26. Specimen Miltonia.

First Prize .....Silver Medal
Second Prize .....Bronze Medal

No. 27. Six Odontoglossums, not less than three species.

First Prize ....Silver Medal and $25
Second Prize ..Bronze Medal and 15

No. 28. Specimen Odontoglossum.

First Prize .....Silver Medal
Second Prize .....Bronze Medal

No. 29. Specimen Oncidium.

First Prize .....Silver Medal
Second Prize .....Bronze Medal

No. 30. Specimen Ærides or Saccolabium.

First Prize .....Silver Medal
Second Prize .....Bronze Medal

No. 31. Specimen Sobralia.

First Prize .....Silver Medal
Second Prize .....Bronze Medal

No. 32. Specimen Vanda.

First Prize .....Silver Medal
Second Prize .....Bronze Medal

No. 33. Three Orchids, bi-generic hybrids other than Lælia-Cattleya or Brasso-Cattleya.

First Prize ....Silver Medal and $25
Second Prize ..Bronze Medal and 15

No. 34. One Orchid, bi-generic hybrid other than Lælia-Cattleya or Brasso-Cattleya.

First Prize .....Silver Medal
Second Prize .....Bronze Medal

No. 35. Three Orchids, distinct genera not otherwise provided for in Schedule.

First Prize ....Silver Medal and $25
Second Prize ..Bronze Medal and 15

No. 36. Specimen Orchid, any genera not otherwise provided for in Schedule.

First Prize .....Silver Medal
Second Prize .....Bronze Medal

No. 37. Best specimen Orchid plant in exhibition.

First Prize .....Gold Medal

Rules and Regulations governing this competition may be obtained on application to the secretary of the Society, Wm. P. Rich, 300 Mass. ave., Boston, Mass.

Banquet to the American Carnation Society at Fort Pitt Hotel, Pittsburgh, Pa., January 27, 1910, which took place in that hotel's famous English Banquet Hall, in which had been held, the previous two days, the Society's Exhibition

Flashlight Photograph by the R. W. Johnston Studios, 241 Fifth Ave., Pittsburgh, Pa.

At the Recent Tournament of Roses at Pasadena, Cal.

Pasadena Board of Trade Automobile, Covered with Flowers of Fatsia papyrifera

High School Boys and Girls in a "Midsummer Night's Dream." Auto Decorated with Ficus repens and Roses

The Tournament of Roses at Pasadena, Cal., of which we present four illustrations herewith, was described in our issue of January 15, on page 89.

If It's Good for Him—It's Good for You

TO WEST SIDE BACHELORS

(And Married Men)

I expect this year to sell a box of flowers for St. Valentine's Day to every bachelor on the West Side. When the bachelors see what happened to a friend of mine last year, as pictured on this card, they will line up four deep to get one of my Special $2 Valentine boxes of flowers.

There is nothing else that seems to get quite so close to a woman's heart as a flower. I don't quite know why this is unless it be that a flower is absolutely natural; but I do know that almost every girl, from six to sixty, would rather have a bunch of Violets, or a box of flowers than a good dinner.

And so, on the day of St. Valentine, there is nothing more appropriate nor that will be more welcome to the "one woman," than a box of flowers, and nothing that will more certainly help the man who gives it to make a "hit." And, goodness knows, most men need something to help us when it comes to making a "hit."

Try the suggestion this year and see if the charm doesn't work in just the same way as it did with my friend last year. If it doesn't, at least you will know that the thing for you to do is to get busy somewhere else.

HUGHES—Florist.
Lincoln and Van Buren sts., Chicago.

P. S.—I recommend the plan to you married men as a good way to get on good terms with your wife.—H. R. H.

Above story goes with the cartoon and is "My Valentine to you and EXCHANGE readers."—H. R. H.

Valentine's Day Cartoon of H. R. Hughes, Chicago

A Chariot Race Through the Clouds

is the title of Mr. Hughes' St. Valentine's Day window display. The mise en scene shows a side view in the store of a chariot 3 ft. high, suspended in midair, drawn by a flock of 20 doves, staged in the center window of store frontage. The reins are handled by the fairy queen who usually reigns in the sphere above the clouds. The electrical effects surrounding add to the general appearance and grandeur of the setting. It appeals to young and old.

Paris, a City of Flowers

It would be difficult to ascertain how much money is spent in the 12 months on flowers in Paris, but some idea of the colossal dimensions of the traffic may be gathered from the estimate formed by competent persons that every year the purchases of flowers made by the Paris market in the single department of the Alpes-Maritimes amount to nearly £3,250,000. A typical example of the orders received on occasions by Nice and ad-

At the Recent Tournament of Roses at Pasadena, Cal.

Pasadena Merchants' Association Automobile Covered with Roses and Carnations, Outdoor Grown Stock

Japanese Float. Urn Made of Phœnix Canariensis Leaves. Cherry Blooming Branches Made from Red and White Carnations. Wagon Covered with Asparagus plumosus and Carnations

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — **ALBANY, N. Y.** **11 North Pearl Street**
Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Atlanta Floral Co. — **ATLANTA, GEORGIA** **41 Peachtree Street**
We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** **124 Tremont Street**
We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** **24 Tremont Street**
Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Robt. G. Wilson — **BROOKLYN, N. Y.** **Fulton St. and Greene Ave**
Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's **Flowers of Quality** **BUFFALO, N. Y.**
W. J. PALMER & SON. 304 Main St.

Hauswirth — **CHICAGO, ILL.** **The Auditorium Florist, 232 Michigan Ave.**
The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

JULIUS BAER, **CINCINNATI, O.** **Fourth St.**

Frank F. Crump — **COLORADO SPRINGS, COLO.** **Retail Florist**
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co. — **CONNECTICUT** **New Haven** **1026 Chapel St., Opposite Yale College**
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. G. Matthews — **DAYTON, OHIO** **Florist, 16 West Third Street**
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

The Park Floral Co. — **DENVER, COLORADO** **1706 Broadway**
J. A. VALENTINE, Prest. Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

joining towns is furnished by the sums spent in flowers for the funeral of President Carnot, in July, 1894. The consignments sent to the capital alone from the Riviera represented more than £60,000, while almost as much came from the provinces and abroad. So enormous was the demand for all kinds of flowers that the great flower market at the Halles was quite unable to cope with the business.

The florists, therefore, treated directly with the horticulturists in the environs of Paris and several times a day they visited the gardens and bought up, without discussing the price, whole flower beds of Rose trees, Marguerites, Pansies and Marigolds, and greenhouses of Orchids. The Czar of Russia ordered his ambassador in Paris, Baron de Mohrenheim, to send a wreath to the interment worth 8000f. (£320) and told him to get it from a florist in the Rue Royale. But the house in question was unable to execute the order, so it went to a firm in the Boulevard de la Madeleine, which supplied a magnificent wreath for £200. As at the funerals of Victor Hugo, Thiers and Gambetta, the number of wreaths at the interment of President Carnot was very considerable and many of them measured several yards in circumference.

The flowers sold in Paris may be divided into two main categories—"le Nice, le Midi," which reach the capital in large quantities every day by the trains of the P. L. M. Company, and "le Paris," or "le chauffe," so called, because they are the product of conservatories where their growth is forced by artificial methods, after which they are brought to the Halles by the gardeners from their establishments around the city, carefully wrapped up and protected from the cold. "Le tres beau Midi" goes to the grand florists, who pay top prices; "le Midi ordinaire" to the little florists and the humble flower sellers, who hawk their perfumed stock in trade around the streets. The "chauffe" cost more than the beautiful Roses and Violets of Nice, for the reason that the artificial sun to which they owe their birth is a very expensive affair, whereas the Riviera horticulturists get theirs for nothing.

A Paris florist sometimes charges 3f. or 4f. for a Rose in Winter. But perhaps it has cost him 2f.; he has ordered five or six dozen Roses from the south of France, but when they arrive a dozen are "perdues" and unsalable, and the loss has to be made up on the others. The bouquets and corbeilles which figure on the tables

Standing Wreath 8 Ft. High
With Shower Effect, Composed of Roses, Lily of the Valley and Galax
Designed by Hoffmeir, 86th St. and Broadway, N. Y.

John Breitmeyer's Sons — **DETROIT, MICH.** **Broadway and Gratiot Ave.**
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — **INDIANAPOLIS, IND.** **241 Massachusetts Ave.**
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — **JACKSONVILLE, FLA.** **20 Laura St.**
We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — **KANSAS CITY, MO.** **1017 Broadway**
I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — **LOUISVILLE, KY.** **644 Fourth Avenue**
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA** **855 St. Catherine St., West**
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Young & Nugent — **NEW YORK** **42 West 28th Street**
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** **25 Clinton Avenue, North**
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark, Florist — **SCRANTON, PA.** **122 and 124 Washington Ave**
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** **20-22-24 West Fifth Street**
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

Sievers Floral Company — **70 Geary Street** **SAN FRANCISCO, CAL.**
"Choicest of Flowers Always on Hand."

of the wealthy frequently cost 100f. (£4), but they contain perhaps two or three dozen Orchids, for which the flower dealer has paid a good price.

Besides, the corbeille is a veritable work of art, a picture, and is the achievement of a special employe known among florists as a "coloriste," whose occupation is to arrange the flowers so that they shall look their best and speak their most seductive language. The "coloriste" is generally a woman. Her first duty in the morning is to dress the window, so utilizing the grace and harmony of her floral treasures that the passerby will be charmed, so fascinated that after a moment's hesitation he or she, yielding to the irresistible lure of the "coloriste," will enter the shop and buy the flowers. The art of the "coloriste" is of course assisted by such accessories as vases, baskets and paniers, supports and ribbons, and in the use of these she also shows a pretty taste. The commerce of flowers in this country numbers in its ranks some real geniuses and in Paris they find a theater worthy of their talents.—*Paris correspondence London Globe.*

For "Supply" Advertisements see pages 224, 225

All advertisers in this column are provided with Arnold's Florists' Telegraph Code No. 19

The Florists' Exchange Design Book.
Have you seen a copy of this valuable assistant to all who have to do with "make-up" pieces. It is highly recommended by all who have seen it. Third edition ready. See advt.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—To take charge of first-class commercial or private landscape work. Address, Box 178, Little Falls, N. J.

SITUATION WANTED—As head gardener on a private place; life experience in all branches; married; one child. Address, Z. L., care of The Florists' Exchange.

SITUATION WANTED—In florist store; good decorator and designer capable of taking charge; good references. Address, Z. G., care The Florists' Exchange.

SITUATION WANTED—By first-class gardener and florist with 20 years' experience in greenhouse and landscape work. Address, "Janitor," 114 W. 116th st., New York.

SITUATION WANTED—A1 designer and decorator wants change of position. Able to manage store. First-class references. Address X. O., care of The Florists' Exchange.

SITUATION WANTED—By German, experienced in greenhouse work, Carnation, 'Mum and bedding plants. Address, L. Geh, care of Hesse Printery, 249 Hamburg ave., Brooklyn, N. Y.

SITUATION WANTED—Competent store man, first-class salesman, decorator and designer; permanent position in Eastern or Southern City. Address, Z. K., care of The Florists' Exchange.

SITUATION WANTED—March 1, by young man of 18 who wishes to learn more about the nursery business; willing to work. Rochester, N. Y., preferred. Address, Z. A., care of The Florists' Exchange.

SITUATION WANTED—On private place by a landscape gardener, farmer and general handy man, around horses and stock. Single at present. Address, Z. O., care of The Florists' Exchange.

SITUATION WANTED—By an experienced florist, designer and decorator, able to handle anything; 8 years in his own business. Knickman, 1552 Broadway, Brooklyn, N. Y.

SITUATION WANTED—By expert landscaper; can carry out all architects' plans; good manager of men; first-class references as to ability; would go anywhere. Address, Landscape, care of The Florists' Exchange.

SITUATION WANTED—By a German, 40, married, as foreman or manager. First class grower of cut flowers and potted plants, also Easter and Christmas stock; designer. A No. 1 references. Address, Z. C., care of The Florists' Exchange.

A LANDSCAPE GARDENER having to his credit large and successful work, capable of making planting plans and taking full charge, wishes an engagement. Address, Z. H., care of The Florists' Exchange.

SITUATION WANTED—By single, sober, greenhouse man, Swede, aged 37; experienced in Roses, Carnations, Chrysanthemums and general stock; also fruit and vegetables under glass and outdoors. Best of references. Private or commercial place. Address, Z. L., care of The Florists' Exchange.

SITUATION WANTED—By a German, 35, life experience, hard worker, good grower of any kind of cut flowers, stove and bedding plants. Also a good landscape gardener and handy on design work. Good references; able to take charge; New England States preferred. Address, Z. F., care of The Florists' Exchange.

SITUATION WANTED—By Danish gardener and florist; 18 years' experience, seven years in United States. The very best of references; private, commercial and experiment station work. Only No. 1 places will be considered; good salary required and full charge. Married, no children. Address, Z. D., care of The Florists' Exchange.

The use of these columns will obtain for you a desirable position at any time.

SITUATIONS WANTED

SITUATION WANTED—By young man, 31, married, 18 years' practical experience in the retail business, all branches, good grower of general stock; good designer and decorater; sober, honest and a worker; capable of taking charge. Am of good appearance and have had a first-class business education; can furnish good references. Address, Z. B., care of The Florists' Exchange.

SITUATION WANTED—As head gardener on a gentleman's country place; understands care of lawns, kitchen garden, flowers, shrubs, greenhouse plants, landscape work; can work from plans; can handle men. American, healthy, sober and willing. Understands cement work and general repairs. Address, Z. N., care The Florists' Exchange.

WANTED—To correspond with a first-class concern, who is desirous of securing a foreman or manager capable of handling men to the best advantage and running the place in a systematic, up-to-date way. First-class grower of fancy pot plants and cut flowers; the best of references as to character and ability; married; total abstainer. Address, Z. E., care of The Florists' Exchange.

SITUATION WANTED—By first-class, young married Hollander, no children; four years' American references and ten years' experience in different countries in Europe and East Indies; private situation preferred; experienced in landscape gardening and managing a private estate, also capable to manage an ornamental nursery. Eastern states preferred. Age 30. Address, X. H., care of The Florists' Exchange.

HELP WANTED

WANTED—Strong young man for work about greenhouses. Address, Henry Eichholz, Waynesboro, Pa.

WANTED—Good stenographer and bookkeeper familiar with nursery office work; good opportunity to learn Landscape Architecture. Address, Box 97, Jersey City, N. J.

WANTED—At once, an assistant who is well experienced in the growing of Carnations. Greenhouses on Long Island. Address, Y. N., care of The Florists' Exchange.

WANTED—Landscape engineer; must be first-class at surveying and topographical work. Good draughtsman. State wages. Address, Box 13, Fuller Building, Jersey City, N. J.

WANTED—An assistant gardener for private place; must be experienced in all greenhouse work. Wages $30.00, board and room to start. Address, William Reupke, Winterthur, Del.

WANTED—Day fireman (married) for steam boilers; must be handy with tools. Permanent position for a good man. State references and particulars with wages wanted. Address, Y. D., care of The Florists' Exchange.

WANTED—Two good men, one with some experience in growing stock of bedding plants, filling window boxes and vases and the other for general greenhouse work. Address with references and wages wanted. A. Stoeckle, 106 Stone st., Watertown, N. Y.

WANTED—First-class salesman for nursery stock for private estates and landscape work. Must understand nursery stock thoroughly and have some knowledge of landscape gardening. Must have A No. 1 reference. Address, W. D., care The Florists' Exchange.

WANTED—Married foreman for commercial place, about 76,000 feet of glass—Roses, Carnations and Chrysanthemums. None but thoroughly experienced men in these lines with good references need apply. State particulars with wages wanted. Address, Y. E., care The Florists' Exchange.

WANTED—A landscape man, one who is thoroughly experienced in all branches, who is capable of seeing architects, principals, making plans and carrying out grading and landscape work. Wanted an A No. 1 man and an excellent opportunity awaits the right party. Address, Z. M., care The Florists' Exchange.

WANTED—A thoroughly competent plantsman well posted in trees, shrubs and all hardy planting materials. A good promising position for the right man who knows his business and can handle men. State references and salary wanted. Address, "Practical Hustler," care of The Florists' Exchange.

Fernwood Nursery

WANTED—A nursery salesman; must have A No. 1 references and have knowledge of landscape work and be familiar with the variety and value of all Evergreens. Apply by mail to the

FERNWOOD NURSERY, Stamford, Conn.

New York Office: 50 W. 30th St.

Please mention the Exchange when writing.

STOCK FOR SALE

ASPARAGUS

ASPARAGUS PLUMOSA PLANTS
2¼-inch ..... $3.00 per 100
4-inch ..... 6.00 per 100
S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia, Pa.

ASPARAGUS PLUMOSA NANUS SEED
$4.00 per 1000 seeds.
3.50 per 1000 seeds, in lots of 10,000.
Sprengeri, per 1000 seeds $1.00.
S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia, Pa.

CARNATIONS

CARNATIONS—Apple Blossom and Wanoka; strong rooted cuttings. Delivery, January 1. Wanoka Greenhouses, Barneveld, N. Y.

CARNATIONS.
10,000 strong White Perfection, rooted cuttings, $25.00 per 1000. The Florex Gardens, North Wales, Pa.

WINSOR CARNATIONS
Strong, Clean, Well-rooted Cuttings
$3.00 per 100
25.00 per 1000
We will exchange 1000 well-rooted Winsor, for 1000 well-rooted White Enchantress.
VALLEY VIEW GREENHOUSES,
Velie Bros., Props. Marlborough, N. Y.

CARNATION CUTTINGS.
Strong, clean and well rooted.
STANDARD VARIETIES

	Per 100	1000
Enchantress	$3.00	$26.00
Rose Pink Enchantress	3.00	25.00
Winsor	3.00	25.00
Winona	3.00	25.00
Afterglow	3.00	26.00
Lawson	3.00	25.00
Melody	3.00	25.00
White Perfection	3.00	25.00
White Enchantress	3.00	25.00
Queen Louise	2.50	20.00
Beacon	3.00	25.00
Victory	3.00	25.00
Variegated Lawson	3.00	25.00
M. A. Patten	2.60	20.00
Mrs. Hutchison	3.00	25.00
Roosevelt	2.50	20.00
Boston Market	2.50	20.00
Flora Hill	2.50	20.00
Dorothy	2.50	20.00
Elbon	2.50	20.00
Liberty	2.50	20.00
Climax	2.50	20.00
White Beauty	2.50	20.00
Yellow Beauty	2.50	20.00
NEW VARIETIES		
Alma Ward	15.00	120.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Dorothy Gordon	10.00	75.00
Apple Blossom	6.00	50.00
May Day	6.00	50.00
Georgia	6.00	50.00

S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia Pa.

CHRYSANTHEMUMS

ROOTED CUTTINGS OF FOLLOWING 'MUMS READY FROM JAN. 25 ON: GOLDEN GLOW, OCTOBER FROST, ROSIERE, MINNIE BAILEY, MONROVIA, etc., at 60c. per doz.; $2.00 per 100. No less than 50 at 100 rate. I. M. RAYNER, Greenport, N. Y.

STOCK FOR SALE.— Chrysanthemums, rooted cuttings, Estelle, Desjouis, Poehlmann, Golden Glow, Monrovia, Pacific Supreme, Enguehard, Nonin, $1.00 per 100, $10.00 per 1000. Hardy Pinks, Pansies, Geraniums, Carnations, Boston Market, $1.00 per 100 list. Edward Wallis, Atco, N. J.

CHRYSANTHEMUMS.
ROOTED CUTTINGS.
I am now booking orders for May and June delivery.
Major Bonnaffon, Pacific Supreme, Lynnwood Hall, Golden Eagle, Dr. Enguehard, Golden Chadwick, Yellow and White Eaton, Jerome Jones, Wanamaker, Reiman, White Shaw, Pink and White Ivory, Virginia Poehlmann, Golden Glow, Appleton, Merry Christmas, McArthur, Pres. Taft, Gloria, Mrs. W. E. Kelley. $10.00 per 1000, 250 at same rate. From soil also, if wanted. Arthur Coombs, West Hartford, Conn.

GERANIUMS

GERANIUMS—Rooted cuttings, S. A. Nutt and Grant, $1.25 per 100; $10.00 per 1000. Cash with order. W. C. Myers & Sons, Scottdale, Pa.

STOCK FOR SALE—Geraniums S. A. Nutt and Double Lobelia, 2-in., $2.00 per 100, Rooted Cuttings, Double Lobelia, Salvia, Zurich, German Ivy Ageratums, Gurney and Cuphea, 75c. per 100. Cash with order. F. A. Ezold, Haddam, Conn.

PRIMROSES

FOR SALE—Primula obconica grandiflora, mixed colors, in bud and bloom, fine plants, 3-inch, 6c.; 2¼-inch, 2½c. Address, Floral Hill Gardens, Chatham, N. J.

STOCK FOR SALE—1400 Chinese Primroses, 4-in., large plants, full of buds and blooms, mixed colors, double and single, $7.50 per 100; 3000 Primula obconica, 4-in., large plants, mixed colors, full of blooms; fine stock for Easter, $5.00 per 100. Try them. Address, Alonzo J. Bryan, Washington, New Jersey.

STOCK FOR SALE

MISCELLANEOUS

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices. George Peters & Sons, Hempstead, N. Y.

AMPELOPSIS VEITCHII SEED, $1.00 per lb. Berberis Thunbergii seed, 75c. per lb. Rosa Ragosa seed, 75c. per lb. Address, F. N. Hadden, 145 Pond st., Providence, R. I.

CINERARIAS—In bloom, ready for immediate sales, or Valentine's day, 4½ and 5 in. pots, Columbian strain, fine, large flowers, clean and healthy plants, 20c. each with pots. Carefully packed. Cash with orders. Address, C. B. Wetherby, Fulton, N. Y.

BEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2¼-in. pots, $12.00 per 100, $110.00 per 1000. Bay and Box Trees, in all sizes, pyramid and standards. Write for list. Orchids, largest stock in the country. Ask for prices. Julius Roehrs Company, Rutherford, N. J.

FERNS AND ASPARAGUS
Boston, 3, 4 6 in. at 6c., 12c., and 35c.
Piersoni, 3, 4, 6 in. at 6c., 15c., and 40c.
Whitmani, 3, 4, 6 in. at 10c., 20c., and 60c.
Sprengeri, 2, 3, 4, 6 in., at 2c., 3c., 6c. and 12c.
Smilax, 3 in., 3c.
GEO. M. TODD, GREENSBORO, N. C.

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA

The true large flowering forcing variety, warranted true 2¼-inch pots at $3.00 per hundred, one year field grown strong 12 to 18 inches, $6.00 per hundred, $55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

AMOOR RIVER PRIVET—Great Bargain. This is fine, 2-year stock.
5-6 ft., $4.50 per 100, $40.00 per 1000.
4-5 ft. $4.00 per 100, $35.00 per 1000.
3-4 ft. $3.50 per 100, $30.00 per 1000.
Also 1-year stock.
2-3 ft. $2.50 per 100, $20.00 per 1000.
1-2 ft., $2.00 per 100, $15.00 per 1000.
GEO. M. TODD, GREENSBORO, N. C.

ROSES EXTRA FINE
Two Years, Field Grown
Strictly A1, well rooted, thoroughly ripened by natures cold, fresh dug for each order as received. Prompt shipment, packed light, packed right. Climbers, Testout, Kaiserine, Henriette, W. A. Richardson, 2-4 branches 4 to 6 feet, 10c. Bush varieties: Paul Neyron, Brunner's, Prince Camille de Rohan, Margaret Dickson, Magna Charta, Her Majesty, B. Rothschild, Caroline Testout, La Detroit, Triomphe Pere, Killarney, White La France, Admiral Dewey, Vis. Folkerstone, Prince of Naples, Mme. Chatenay, Bessie Brown, President Carnot, Gruss an Teplitz, 10c. 300 Mme. Plantier, 3 years, 10-15 branches, very fine, 6c. 5000 2 years, 4-6 branches, 3 ft., 3c. Amoor Privet, 3 ft. 2c. Jesse Ellis, Griffin, Ga.

NURSERY STOCK—Elm, 8-4 feet, $3.50 per 100; 4-6 feet, $6.00; 6-8 feet, $12.00; 8-10 feet, $18.00. Ash, 6-8 feet, $12.00 per 100; 8-10 feet, $18.00 per 100. Maple (Soft), 3-4 feet, $3.50 per 100; 4-6 feet, $5.00 6-8 feet, $10.00; 8-10 feet, $18.00. Catalpa, 4-6 feet, $5.00 per 100; 6-8 feet, $10.00. White Birch, 8-10 feet, $28.00 per 100; 10-12 feet, $35.00. Wild Black Cherry, 8-10 feet, $28.00 per 100. Silver Leaf Poplar, 6-8 feet, $15.00 per 100; 8-10 feet, $26.00. Niobe Weeping Willow, 6-8 feet, $36.00; 8-10 feet, $40.00. German Iris, strong divisions, $3.00 per 100. Chrysanthemum Uliginosum, $3.00 per 100. Rudbeckia, Golden Glow, $3.00 per 100. Asparagus, two kinds, 1 yr., $3.00 per 100; 2 yr., $3.50 per 100. Pæonies, mixed, 3-5 eye divisions, $5.00 per 100. Pæonies, white, 3-5 eye divisions, $7.00 per 100. Pæonies, pink, 3-5 eye divisions, $5.00 per 100. Packing extra. The Newburys, Mitchell, S. D.

SUNDRIES FOR SALE

FOR SALE—Double thick greenhouse glass, new stock. 10x12, 10x14, 14x16, 14x18, 16x18, 16x20 and 16x24, in small or large lots. Lowest prices to quick buyer. Address "Greenhouse-glass," care of The Florists' Exchange.

STOCK FOR SALE—A block of five shares in the A. T. De La Mare Ptg. & Pub. Co. Ltd., (publishers of The Florists' Exchange) is offered for sale at par $50 per share. For further particulars address, Y. K., care of this office.

FOR SALE—Three greenhouses at No. 416 Elm Street, Pittsfield, Mass. Glazed with 16x24 A double thick glass; heated with one large 8-section Furman boiler, 2-in. pipe. The drip bars and other material are all of Cypress—just like new. We will sell all or any part of same. Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

FOR SALE—600 boxes 12x20 and 12x16 double thick glass; lot hotbed sash, 16,000 feet of 1-in., 6000 feet of 2-in. and 1½-in., 4000 feet 4-in. Hitchings pipe; 1400 feet ventilating apparatus; 2 Erie locomotive boilers, one No. 6 Lord & Burnham and one No. 17 Hitchings, 2 years old; everything in first-class condition; 10 greenhouses, 20 x 110; complete or in single lots, very cheap. Inspect S. C. Nash Roseries, Clifton, N. J., or inquire Suessermann, 229 Livingston Street, Newark, N. J.

(Continued on next page.)

FOR SALE OR RENT

FOR SALE—Retail florist store and dwelling in Philadelphia's theatre district. Address, X. E., care of The Florists' Exchange.

FOR SALE—Retail establishment; five houses; near New York; fully stocked. Price $5000.00. Address, L. H. Wise, Jersey City, N. J.

FOR SALE—Well established florist store foot of "L" station, good reason for selling at a sacrifice. Knickman, 1652 Broadway, Brooklyn, N. Y.

FOR SALE—Cottage, house and barn and three acres of land. Good greenhouses, hen-house, fruit. Easy terms. Box 24, Milldale, Conn.

FOR SALE OR RENT—Seven greenhouses stocked with Roses, Brides and Maids, in A1 condition. Two 18x160; one 38x162; four 12x150. Rent reasonable or price right. Inquire of Mrs. J. M. Lyons, 50 Park ave., Madison, N. J.

FOR SALE—Cemetery gardening business house 20x41; store and 4 living rooms; ground 60x100; improvements; good greenhouse, hot water heating, stock, tools and about 200 lots to care for. Price of whole can be made in one year. Inquire of Owner, 695 11th st., West New York, N. J. 20 minutes from West Shore Depot.

FOR SALE
STORE AND RETAIL BUSINESS IN ROCHESTER, N. Y.

Store located on one of the busiest thoroughfares of this city, connected with a hotel and directly opposite the largest and finest hotel between New York and Buffalo, also within stone's throw of two of the best theatres in town. Excellent opportunity. Ill health reason for selling. For further particulars, address, GEORGE B. HART, 24 Stone St., Rochester, N. Y.

FOR SALE—Landscape gardening florist and seed business, doing a good trade. Store in town of 6000 inhabitants, 30 miles out on Long Island, North Shore. Good shipping facilities; greenhouses stocked in bedding plants, etc.; new house, barns and outbuildings; good water; cows, chickens, horse, wagons, harness, implements, etc.; 1¾ acres, part planted, shrubs and perennials. Good reasons for selling. Price $5500; ½ cash; balance 6 per cent. Address, J., Box 332, Oyster Bay, N. Y.

For Sale
WESTERN NURSERY

Forty acree of deeded and 40 acres of leased land. Stock all salable size; clean and healthy; not a scale or bug. Trade has almost doubled each year. We ship 5 to 12 hundred miles west and north of us. Trade to be supplied unlimited. We have a complete general line of nursery stock. We do a strict catalog business. Are well advertised and have a good name.

Will sell for cash, or part cash and time on balance to a man that knows the business and is a pusher. This is a good sound investment and will pay a good dividend.

Address
NURSERYMAN,
Care of THE FLORISTS' EXCHANGE

Please mention the Exchange when writing.

MISCELLANEOUS WANTS

WANTED—10,000 unrooted cuttings, pure White Enchantress. State price. Address, The Florex Gardens, North Wales, Pa.

WANTED—Greenhouses to be torn down and removed at once. for spot cash. Address. Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED—Contracts to grow all kinds of vegetable plants, transplanted or not; also Geraniums, Coleus, Cannas, Salvias, Verbenas, Pansies, etc., for Spring delivery. A1 stock only. Correspondence solicited. Address Alonzo J. Bryan, Wholesale Florist, Washington, New Jersey.

GERANIUMS

S. A. NUTT, from 2¼-in. pots, $2.00 per 100, $18.00 per 1000.

CINERARIAS
From 4-in. pots, $5.00 per 100; from 5 and 6-in. pots, $10.00 per 100.
Fine for Easter

JOHN STONE, R. F. D. No. 3, Easton, Pa.
Please mention the Exchange when writing.

F. E.—Best Advertising Medium

We Pay The Freight on cut-flower and design boxes. See our price list on page 224, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.
Box 200 . . . Castorland, N.Y.

Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.
Please mention the Exchange when writing.

GERANIUMS

2-INCH POTS.

Nutt, Buchner, Mme. Salleroi and others, $18.00 per 1000; Rose, $3.00 per 100.

Rooted Cuttings of

Fuchsias, Salvias, Heliotrope (dark), Double White Feverfew, Double Giant Sweet Alyssum, Vinca Variegated, $1.00 per 100.

Ageratum Gurney, 60c. per 100.

Fuchsias, Vinca Var., 2-in. pots, $2.00 per 100. Cash with order.

ERNEST HARRIS, Delanson, N. Y.
Please mention the Exchange when writing.

PALMS for PALM-SUNDAY

We are headquarters for

PALM LEAVES and PALM BUDS

in carload lots and less. Write for prices.

Kennerly's Seed Store
Palatka, Fla.

Please mention the Exchange when writing.

ASTER
QUEEN OF THE MARKET

White, Pink, Light Blue, Dark Blue, Red, 50c. per oz., $6.00 per lb. This Aster comes from a French Specialist and is the best quality. Cash or Trade.

BEAULIEU, Woodhaven, N. Y.
Please mention the Exchange when writing.

We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(33) **Grinder Wanted to Pulverize Broken Pots.**—Is there anything in the market like a broken pot grinder where broken flower pots could be ground as fine as flour?—J. H. F., N. J.

—There are several makes of crushers on the market which are used to pulverize bone, etc. Perhaps one of these would answer your purpose. Write to some of the seed houses advertising in these columns for fuller information.

(34) **Rhododendrons for Easter.**—Please let me know when to put in my Rhododendrons and what temperature to keep them at to have them the week before Easter.—N. W., New York.

—Put Rhododendron plants in a greenhouse where 60° to 65° at night can be maintained. Plants should be in warm house now. Keep buds syringed with water.

(35) **Sweet Peas in Pots.**—What is the proper time to sow Sweet Peas in pots in order to have them started, and large enough to plant outside, say first week in April, or when the ground is fit in Jersey? What is the best temperature to bring them along inside?—J. M., J. C.

—Sow Sweet Pea seed about March 1. Temperature necessary, 45° to 50° at night. Be sure to harden plants in a cool house or cold frame before planting outdoors in early Spring.

(36) **Trumpet Major Bulbs not Flowering.**—Some time ago I purchased Trumpet Major bulbs (Dutch grown). They were well rooted in the boxes underground when I brought them in. I put them under benches in a Carnation house, until they were about 8" high, then placed them in another house at the same temperature. They now average a foot high, but only about 20 per cent. are in flower. The balance show nothing but long grass, and if you split one of the bulbs open there is no sign of a bud to be seen. Can you tell me what is the probable cause of so many of these bulbs being blind?—H. S. M., N. J.

—Unless strong first-class bulbs of Trumpet major are secured for early forcing, results are seldom satisfactory, for small bulbs seldom give good flowers when forced too early, and many come blind for that reason. As the season advances, you will find that a greater percentage of bulbs will give flowers. Growers usually figure on a loss when forcing Daffodils early in the season, to guard against which special orders are placed for bulbs to produce early flowers.

(37) **Carnation Cuttings Kept too Dry.**—Can you tell what causes Carnations to dry up and turn color of sample after being in sand about ten days? The enclosed samples have been in sand for 21 days. We have had a dry Summer and about twelve weeks of cloudy weather.—J. S., N. Y.

—Your Carnation cuttings have simply suffered from too little moisture in the sand. Perhaps the sand is too coarse, allowing the water to drain through too rapidly. Keep draughts and direct rays of the sun from striking cuttings until such time as root action is noticeable. The dry Summer has nothing to do with rooting cuttings at this time of year.

(38) **Propagating Aucuba Japonica from Cuttings.**—Please advise me of the correct name of the plant from which I send leaves herewith. Can it be propagated successfully from cuttings taken now from plants in the greenhouse in fine condition, and what treatment should the cuttings receive?—O. B. H., Conn.

—Name of specimen, Aucuba Japonica Variegata. Cuttings may be taken from half-ripened wood, but these seldom make good plants under two or three years. Place cuttings in sand and give treatment such as would be necessary for Carnation cuttings; when rooted, pot them up, and in Spring plant out. Plants of Aucuba can be imported in any size and at reasonable rates from growers in Belgium and Holland, in which countries they develop more rapidly and show better variations in the leaves.

(39) **Sowing Seed of Biennials.**—Will you tell me if seeds sown now of biennials, such as Hollyhocks, Campanula, Sweet William and Foxglove, would make flowering plants this year?—O. H. B., Conn.

—Seeds of biennials, sown now, seldom bloom the first year, but would make good growth for next season's flowers, although some of varieties give a small amount of flowers if sown in early Spring, and planted out when weather becomes favorable.

(40) **Canna Seed Sown Now.**—What success would I meet with Canna seed sown now?—O. H. B., Conn.

—Canna seeds sown now will make considerable growth the first season, and if seed germinates readily enough to give plants an early start, flowers will appear in the Fall; the bulbs of these seedlings should be carefully dug and preserved until the next Spring, at which time they can be planted out and better results will be obtained. It is customary to soak the seed in water until softened, after which sow the seed in flats or pots, and place where good bottom heat can be obtained, keeping them moist until growth starts.

FOR SALE

FLORISTS' ICE BOX 8 ft. x 8 ft., two upper doors, bevelled French mirrors, two lower doors, double thick glass, second-hand but in good condition, $36.00.

RADIATORS Steam, 1½c. per lb.; hot water, 2c. per lb. Guaranteed. All sizes in stock.

BOILERS The following new, round, portable hot-water boilers—guaranteed, 16-in., rated to heat 1,128 sq. ft. of glass, $34.00. 19-in., rated to heat 1,600 sq. ft. of glass, $46.00. 22-in., rated to heat 2,260 sq. ft. of glass, $64.00. 25-in., rated to heat 3,076 sq. ft. of glass, $90.00. Get our prices on second-hand boilers. We have one of the largest stocks of new and second-hand round and sectional hot-water and steam boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

STOCKS AND DIES New; "Economy," guar. No. 1, threads ½, ¾ and 1 in., $2.60. No. 2, threads 1¼, 1½ and 2-in., $4.00. No. 3, New "Armstrong" adjustable, threading 1¼, 1½ and 2-in., $6.26.

PIPE VISES New, guar., hinged, capacity ⅛ to 2½ in., $1.26. No. 2, capacity ¼ te 3½ in., $1.80.

PIPE CUTTERS New, guar. Saunders pat. No. 1, cuts from ⅛ to 1 in., 90c. No. 2, cuts 1 to 2 in., $1.35.

STILLSON WRENCHES New, guar. 18 in., capacity 2 in., $1.20. 24 in., capacity 2½-in., $1.80. Flat chain wrenches, No. 3, capacity ¾ to 6 in., $3.86.

GARDEN HOSE In lengths up to 600 ft., with couplings. 60 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 88c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES. All sizes. Send for prices.

GLASS New American natural gas made glass, packed 60 sq. to the box, 8x10, 10x12 and 10x16 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y.
Please mention the Exchange when writing.

You Need This Paper if You Force Vegetables

The Weekly MARKET GROWERS JOURNAL is the ONLY paper published exclusively for market gardeners and truck farmers. It carries a special department devoted to the greenhouse forcing of vegetables and is the official organ of the Greenhouse Vegetable Growers' and Market Gardeners' Association of America. Recognized by Department of Agriculture and Experiment Station officials as authority on vegetable forcing.

What Eugene Davis Says

Eugene Davis of Grand Rapids, Mich., originator of Grand Rapids Lettuce and Davis' Perfect Cucumber, writes:

"The articles on Growing Lettuce by Mr. Wald and Growing Cucumbers by 'Grower' are worth ten years' subscription to a beginner."

Subscription price, $1.00 a year, 52 issues. Send us $1.00 today. If you are not satisfied at the end of the year we will refund your money. Address

MARKET GROWERS JOURNAL,
582 Walker Bldg., Louisville, Ky.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Use our columns when having extra stock to dispose of.

Ribbons for Valentine Day

Samples to select from ready now

TAFFETAS–SATINS–CHIFFONS

Rich-toned brilliant qualities, no jobber can offer you equals at our prices

Post card for samples

The Pine Tree Silk Mills Co.

Philadelphia, Pa.

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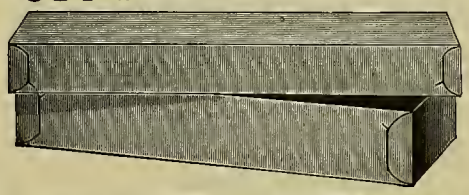
CUT FLOWER AND DESIGN BOXES



All Sizes, Lowest Price

WRITE

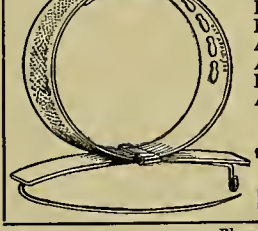
C. C. Pollworth Co.

MILWAUKEE

Please mention the Exchange when writing.

WILSON'S CORSAGE-BOUQUET HOLDER

Award of "Highly Commended" at the S. A. F. Trade Exhibition at Cincinnati.



Holds Corsage-Bouquets securely and gracefully.
Prevents damage to apparel.
Adjustable to any diameter of bouquet stem.
Adaptable to anything from Violets to Roses.
Does away with Corsage Pins.
A handsomely silver plated article and ornamental in itself.

Samples to the trade, 25c. each, by mail postage paid. By the dozen $3.00, postage paid, Correspondence Solicited.

Address

ROBERT G. WILSON, Fulton St. & Greene Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays.

Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

CHRISTMAS GREENS, Holly, Mistletoe, Pine Plumes, Table and Christmas Trees.

All Decorating Material in Season.

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

Dagger and Fancy Ferns, $1.50 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

FANCY OR DAGGER FERNS, $1.00 per 1000.

GALAX, bronze or green, $1.00 per 1000. **SPHAGNUM MOSS,** 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel.

Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods.

SMILAX, 50 lb. cases, $6.00.

PINE, 7c. per lb.

Telegraph office: New Salem, Mass. L. D. Phone Connection

Partridge Berries, $2.00 per 1000 or 10c. per bunch of 50 sprays.—Order now. Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $12.00 to $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

Florists' Club of Washington, D. C.

The Club met at Eagle Hall on the night of February 1. A short business session was held, as the chief feature of the evening was the entertainment to follow and in which the ladies participated. This being the occasion for the nomination of officers for the ensuing year, the attendance was larger than usual. J. J. Harty, proprietor of the Flower Depot on 14th st., was admitted to membership. Under the recent amendment to the rules the vote is by ballot and governed by a two-thirds majority, proposals being made a month previous to the admission of the new member.

Nomination of officers resulted as follows: For president, Geo. H. Cooke, John Robertson, E. C. Mayberry and F. H. Kramer; for vice-president, E. C. Mayberry; for secretary, W. A. Bolinger, Jas. L. Carbery and the present incumbent, O. A. C. Oehmler; for treasurer, Wm. F. Gude; for two directors to serve three years, Geo. Super, W. W. Kimmel, O. A. C. Oehmler and Jas. L. Carbery. The nominations for directors are to fill vacancies made by the expired terms of Geo. H. Cooke and W. S. Clarke. Additional nominations were David Bisset, David Grillbortzer and C. A. Shaffer. There was lively interest in the nominations, and the next meeting night—first Tuesday in March—promises to be made enthusiastic through the interest of friends of the various nominees.

The business meeting ajourned at 9 p.m., when all made way to the large dance hall which had been decorated with Evergreens, Immortelle wreaths and bells. The array of talent, though not all from the professional field, was good, and as follows: Miss Wolf, solo and fancy dance; Prof. Victor, monologues and song, darkey sketch. Prof. Charlemagne Koehler, was at his best in a Seven Ages imitation of Italian opera, etc.; his reappearance in Washington filled his hosts of friends with enthusiasm. Prof. Pistoria's orchestra supplied music for the dancing and merry hearts kept time. A fine array of professional talent filled in the latter hours of the night.

JAS. L. CARBERY.

San Francisco

Business has been more than brisk since the New Year, many social functions using up quantities of flowers. Everything is scarce and, naturally, prices are high. The demand has been in excess of the supply, so all the growers wear "the smile that don't come off." Violets are twice the price they were this time last year. Narcissus, both Trumpet and Paperwhite, are commencing to appear, while a few Chrysanthemums may be seen in a few of the stores. Adiantum, Asparagus and Smilax are also very scarce, most of the supply being exhausted during the holidays.

E. W. McLellan of Burlingame is thoroughly installed at his new quarters, Lick Place. He has been sending in fine Killarney, My Maryland and American Beauty Roses, all of which are disposed of as soon as they are received. He is also cutting immense quantities of Lilies, which have a ready sale.

The first banquet of the Pacific Coast Horticultural Society was held at the Palace Hotel on Saturday evening, January 22, and about sixty of the craft enjoyed the bounteous feast. V. Matraia, president-elect of the Society, was toastmaster. A very enjoyable evening was spent. President Plath in his address was boosting the S. A. F. and said he hoped that many would join this Society, as it had done so much for the florists in the way of reducing express rates, etc. He has been appointed vice-president of the S. A. F. for the State of California.

Pelicano and Rossi report business as far ahead of last year, and the only complaint they had was as to the scarcity of stock.

MacRorie-McLaren Company have received, lately, four thousand Phalænopsis grandiflora. They were all mounted on wood and arrived in fine condition. They have also received a large shipment of Tree Ferns from Australia, which found a ready sale. Four hundred trunks of the variety Cyathea medullaris are to be planted in a canyon in Golden Gate Park. This variety does remarkably well here, making grand plants with many plume-like fronds, from 12 ft. to 20 ft. long in two years from the time the stems are planted. This is the largest shipment by far that has ever been brought to this country.

E. A. Asmus, T. Patch and F. Nielson have joined the planting forces of the MacRorie-McLaren Company. They formerly worked with Mr. MacRorie at Short Hills, N. J.

J. Kairns, representing H. A. Dreer of Philadelphia, was a recent visitor. He reports trade as very brisk with him.

Acacia Baileyana and mollissima are to be seen in all their glory. Great trees covered with masses of flowers rivalling the now scarce Acacia pubescens The florists here use them in great quantities, as there is nothing more graceful or beautiful for floral work at this time of the year.

Dr. J. P. Parker was a visitor here last week.

Alfred Hushands has gone to Los Angeles, Cal., to take charge of J. W. Wolters' place.

Ralph McArthur, formerly at the Duke place in Somerville, N. J., is at the E. de Sahla place, San Mateo, Cal. M.

WILMINGTON, DEL.—The business of John J. Kuratle, florist, who died recently is to be continued by his widow.

FALL RIVER, MASS.—The G. L. Freeman Co. of Fall River has been incorporated with the object of importing, developing and selling Orchids. George L. Freeman, formerly of Wellfleet, and who recently came to this city, is president, and William E. Braley is treasurer. The capital stock is $30,000. The company is a limited one, there being not more than half a dozen subscribers to the stock.

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside
All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.25	28x8x4	$4.50
18x5x3	2.25	30x5x3½	3.75
24x5x3½	3.00	36x6x5	6.50
21x7x3½	3.25		

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.50
18x18x8	9.00	35x10x6	10.00
20x20x8	10.00	30x12x7	8.50
24x24x8	12.00	28x12x4	6.50
24x18x8, Pillow Box			12.00
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10% discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.

Box 205 CASTORLAND, N. Y.

New York Office, 20 East 42nd Street

Please mention the Exchange when writing.

KRICK'S Florist Novelties

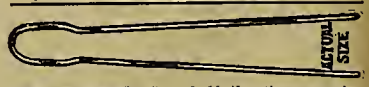
Manufacturer and Patentee of

The only genuine IMMORTELLE LETTER on the market

1164-66 Greene Ave., BROOKLYN, N. Y.

For sale by all supply houses.

Please mention the Exchange when writing.



TIME IS MONEY Save half the time greening your designs by using Florists' Greening Pins. 20c. per lb., and you get from 600 to 1100 to the lb. Ten lbs. or over, 15c. per lb. Write for prices on larger quantities.

WM. SCHLATTER & SON, 7422 Main Street SPRINGFIELD, MASS

Please mention the Exchange when writing.

WE MANUFACTURE

ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK

'Phone 4254 Madison Square

Please mention the Exchange when writing.

Your Money is well spent when you advertise in

The Florists' Exchange, 2 to 8 Duane St., N. Y.

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

Orders by Telegraph

For twenty-five cents, cash, we will forward you a handsomely printed card, worth framing, which you can hang in a conspicuous part of your store, to let your customers know you "fill orders for flowers, plants or floral designs to any point" by telegraph.

A copy of Arnold's Florist's Code, price $2.50, will give you a key for the cipher transmission of orders to any of the advertisers in our "Directory of Reliable Retail Houses." All for sale by

The Florists' Exchange
No. 2 Duane St., N. Y.

"Getsthere Soap Mfg. Co.
Conshohocken, Penna.
Please send us at once the enclosed order of your Getsthere Insecticide Soap. We find this a very satisfactory article for use on plants, and we recommend it highly.
ROBERT CRAIG & CO.,
Philadelphia, Pa.

GETSTHERE SOAP CO.
CONSHOHOCKEN, PA.
Please mention the Exchange when writing.

Southern Wild Smilax

Now ready for shipment.
Write, wire, or 'phone the introducers.

CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA
Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire
IGOE BROTHERS
Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes
63-71 Metropolitan Ave., BROOKLYN, N. Y.
Please mention the Exchange when writing.

MICHIGAN CUTFLOWER EXCHANGE, Inc.
Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.
Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY
962 Mill Street, KENDALLVILLE, IND.
Please mention the Exchange when writing.

E. A. BEAVEN
EVERGREEN, ALA.
LOG MOSSES
Natural and perpetuated. Orders booked now for future delivery.
Please mention the Exchange when writing.

WIRED TOOTHPICKS
10,000, $1.75; 50,000, $7.50
Manufactured by
W. J. COWEE, Berlin, N. Y.
Samples free. For sale by dealers

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

BRONZE GALAX

I have a large stock on hand, all first-class stuff, and in order to move them quickly, I will make a great reduction in price. Size 2¾ to 3½ in., at $2.90 per case of 10,000, f.o.b. Mt. Airy, N. C. Discount on larger orders. Cash in advance from unknown parties. A few cases by express will show the quality.

G. A. HOLDER, Round Peak, N. C.
Please mention the Exchange when writing.

Coming Exhibitions

Urbana-Champaign, Ill., Feb. 15-16, 1910.—Exhibition of the State Florists' Association of Illinois. Secretary, J. F. Ammann, Edwardsville, Ill.

Boston, Mass., Feb. 26, 27, 28.—Spring exhibition of the Massachusetts Horticultural Society of Plants, Flowers, Fruits and Vegetables. Schedules may be obtained from Wm. P. Rich., Secretary, 300 Mass. ave.

New York, March 16-18, 1910.—Exhibition of The American Rose Society, at the American Museum of Natural History, 77th st. and Central Park West. Secretary, Benjamin Hammond, Fishkill-on-Hudson, N. Y.

Boston, Mass., May 26-30, 1910.—Great Exhibition of Orchids and other plants, by the Massachusetts Horticultural Society. Secretary, William P. Rich.

Retail Notes

WESTBROOK, ME.—Nathaniel W. Hanaford is to discontinue his florist store here, and will locate in Portland.

BROCKTON, MASS.—Patrick J. Boyle, florist, has filed a petition in bankruptcy, with liabilities $3221, and assets $459.

BEVERLEY, MASS.—James Whittier, dealer in plants, is in bankruptcy; liabilities $9206.

NEWTON CENTER, MASS.—Mr. Orcutt has purchased the greenhouses of Frank Brooks, and will continue the business.

HIGHLAND MILLS, N. Y.—George Merritt, florist, and Mrs. Merritt celebrated the twenty-fifth anniversary of their marriage on Jan. 25.

DEKALB, ILL.—Carlson Brothers are opening a new flower store in this city. Temporary quarters have been taken in Brown's drug store.

PITTSFIELD, MASS.—Robert L. Smith and Stanley G. Barnes of Schenectady have opened a florist store in the Agricultural Bank Building. Mr. Smith was formerly with Wallace & Co., and Mr. Barnes with Charles Limmer, Schenectady florists.

Detroit

Everybody was hustling for funeral flowers last week and a good sprinkling of society work helped the last week of the first month to be ahead of the same month a year ago.

Supply in all lines is good and is used up very freely, but there exists a serious shortage in Roses, which has brought their price away up. Spring flowers are coming in freely and are well appreciated by the customers. A liberal supply of very good Violets has lowered their prices somewhat, and they sell now at $2 per 100.

Local growers are beginning to prepare stock for the coming Fall show. The prize list is ready; it covers the entire field and disposes of some $800 in prizes. Preliminary discussion in regard to arrangements has developed very interesting features which are bound to give this exhibition a very artistic stamp.

FRANK DANZER.

THE third edition of our Design Book is now ready to be mailed out to purchasers. It has been thoroughly revised and greatly improved and is easily worth Ten Dollars a copy to any one with a Retail Trade. Sixteen pages have been added, older designs eliminated and many new and beautiful suggestions incorporated.

The Florists' Exchange Design Book

HANDSOMELY PRINTED ON ENAMELED STOCK, AND CONTAINING 80 PAGES,

SIZE 9 x 12 INCHES, WITH STRONG PAPER COVER.

The work contains a reproduction of some 216 Designs, such as:
Bridal Bouquets, Broken Columns, Christmas Wreaths and Baskets, Easter Baskets and other Easter Designs, Casket Covers, Gates Ajar, Floral Chairs, Harps, Horseshoes, Lyres, Pillows, Easels, Panels, Anchors, Wreaths in great assortment, Standing Wreaths, Standing Crosses.

Miscellaneous Designs in quantity, including Decorated Automobiles, Railway Designs, Flags, Ships and Steamers, Shields, Broken Wheels, &c., Emblems, Table, Mantel and Mirror Decorations and Christmas and Church Decorations.

Page 80 shows forms for Masonic, Fraternal and other Orders, for which wire designs are kept in stock by the supply houses.

TERMS OF SALE

The Florists' Exchange for two years and one copy Design Book, $2.50, delivery prepaid. This offer is open to new subscribers or to renewal subscriptions. One copy of the Design Book to present subscribers for 75c., delivery prepaid. No copies obtainable except as above. Money refunded if book is not satisfactory to purchaser.

Only one copy can be supplied at the 75c. rate. Subscribers desiring more than the one copy can secure them at the rate of $1.00 each, postage prepaid.

Handsomely and durably bound, in stiff board covers, with 32 blank leaves for pasting in clippings of other designs, at One Dollar additional to above prices.

All prices include delivery prepaid.

The Florists' Exchange, P. O. Box 1697, New York City

CARNATION DOROTHY GORDON

You cannot afford, if you grow Carnations and are looking for larger profits on your present capital, not to investigate Dorothy Gordon carefully before you complete your season's arrangements—for Dorothy Gordon has the other commercial Carnations excelled at every point, and it's simply a matter of justice to yourself to give it at least a fair trial this year!

We have asked our friends to visit our plant and see it growing, and a great many have done so. Have YOU? If not, we urge you to come now, for you will certainly be convinced, as others have been, after seeing it in our houses.

CARNATION DOROTHY GORDON possesses all the points that you, a progressive grower, desire in the flowers you supply you trade. Large size (3 inches or more in diameter), fine, uniform color (a shade darker than Pink Enchantress), long, stiff stems, strong constitution and excellent keeping qualities, profusion of bloom—all these are big, important qualities in favor of our new Carnation—and best of all is the fact that its buds command a price 50 per cent. higher than those of the ordinary commercial sorts.

If you want any Dorothy Gordon this year, though, you'll need to get in your reservation at once, as our stock of rooted cuttings is being taken rapidly. Orders will be filled in strict rotation at these popular prices: **$10.00 per 100, $75.00 per 1000.**

Give us a chance to show what Dorothy Gordon will do. Come to Wyncote if you can; if not, write for further particulars—we'll gladly answer questions.

JOSEPH HEACOCK COMPANY, - Disseminators, - WYNCOTE, PA.

Please mention the Exchange when writing.

Rooted Cuttings

Fine, Clean, Strong, Well-rooted Stock

Carnations

	100	1000
O. P. Bassett	$6.00	$50.00
Victory	2.50	20.00
Beacon	2.50	20.00
Enchantress	2.00	15.00
Winsor	2.00	15.00
Rose Pink Enchantress	1.50	12.50
Lawson	1.50	12.50
White Perfection	2.00	15.00
White Lawson	1.50	12.50

Roses

	100	1000
Richmond	$2.00	$17.50
Chatenay	2.00	17.50
Bridesmaid	2.00	17.50
Bride	2.00	17.50
Uncle John	2.00	17.50
Ivory	2.00	17.50
Killarney	2.50	20.00
Perle	2.50	20.00
Sunrise	2.50	20.00
My Maryland	4.00	35.00

Peter Reinberg

35 Randolph St.

Chicago

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, $12.00 per 100, $100.00 per 1000.
Alma Ward, $15.00 per 100, $125.00 per 1000.
Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett, $6.00 per 100, $50.00 per 1000.
White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink, Enchantress and Harlowarden, $3.50 per 100, $30.00 per 1000.
New crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons, at 25c. and $1.00 per package.

CHAS. H. TOTTY

MADISON, N. J.

Please mention the Exchange when writing.

Carnations

LATE DELIVERY PRICES

Ready to ship about March 15th

White Perfection, Rose Pink, Afterglow, Enchantress, and Victory at $15.00 per 1000.

White Enchantress at $17.50 per 1000.

Lawson Enchantress, Winona and Beacon at $20.00 per 1000.

O. P. Bassett and Alvina at $35.00 per 1000.

Lawson, Winsor and Harry Fenn at $10.00 per 1000.

Hundreds supplied at thousand rates

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

CARNATIONS

ROOTED CUTTINGS

WHITE	100	1000
Apple Blossom	$6.00	
Mrs. J. C. Vaughan	6.00	
White Perfection	2.50	$22.00
White Enchantress	2.50	22.00
The Queen	1.50	12.00
PINK		
Pink Delight	6.00	
After Glow	4.00	30.00
Viola Sinclair	3.50	
Lawson Enchantress	2.50	30.00
Winona	2.60	30.00
Rose Pink Enchantress	2.60	20.00
Enchantress	2.00	18.00
Mrs. Thos. Lawson and Winsor	1.50	14.00
RED		
Beacon	2.26	20.00
CRIMSON		
Harvard	3.60	30.00
Harry Fenn	1.50	12.60

January and February delivery.

Less 3 per cent. for cash with order. Quality guaranteed or money refunded.

B. F. BARR & CO., Keystone Nurseries **Lancaster, Pa.**

Please mention the Exchange when writing.

A New Carnation Seedling of Wonderful Merit will be offered to the Florists' Trade in February, 1910. Orders booked now. This Carnation,

"The Constant"

Grown by Wm. Bester, of Hagerstown, Md. Color between Rose Pink and Winsor. Produces long stems and large blooms from October to June. Free of any disease and no cropper. Calyx perfect. Blooms keep in good condition ten days. This Carnation grown and tested by Mr. Bester for three years and all points guaranteed. The original seedling produced under the most scientific cultural conditions and will supersede the Lawson.

Price for Strong Cuttings only $10 per 100.

Before buying other varieties Florists should send for samples of this Carnation, as they will compare favorably on all points with any other Carnation on the market. Blooms mailed free on request.

Address

WM. BESTER, Florist

HAGERSTOWN, MD., or

C. S. FORD, Traveling Agent

P. O. Box 4815, WEST PARK

PHILADELPHIA, PA.

Established 1881. Florists' Supplies, Novelties, etc.

Please mention the Exchange when writing.

Carnation Cuttings

For Present and Later Delivery

	100	1000
Beacon, Enchantress, White Enchantress, White Perfection, Winsor	$2.50	$20.00
Winona, Lawson Enchantress	3.00	25.00
Georgia	5.00	40.00

GEO. B. HART

24 Stone St., ROCHESTER, N. Y

Please mention the Exchange when writing.

The American Carnation Price $3.50

A. T. De La Mare Ptg. & Pub. Co., 2 Duane St., New York.

VIOLET CULTURE

Price, $1.50 Postpaid

A. T. De La Mare Ptg. & Pub. Co., New York.

CARNATIONS

Rooted Cuttings. Clean, healthy stock.	100	1000
Enchantress	$2.50	$20.00
Pure White Enchantress	3.00	25.00
Rose Pink Enchantress	2.75	22.50
White Perfection	2.75	22.50
Winona	3.00	25.00
Beacon	3.50	30.00
Winsor	2.50	20.00
Harlowarden	2.00	18.00

Cash with order.

SMITH & GANNETT, Geneva, N. Y.

Rooted Cuttings

	Per 100	1000
Perfection	$2.25	$20.00
Georgia	5.00	
Rose Enchantress	2.00	16.00
Winona	3.00	26.00
Afterglow	3.00	26.00
Winsor	2.00	16.00
Mrs. Patten	2.00	16.00
Harry Fenn	2.00	16.00
Beacon	2.50	20.00

QUIDNICK GREENHOUSES

J. H. Cushing, Prop., Quidnick, Anthony P. O. R. I.

OWING to the scarcity of Carnation Cuttings this season there is good opportunity for those who are so situated as to be able to propagate them, especially the standard varieties, in time for this Spring's sales. Those growers having surpluses of recognized commercial varieties are advised they can make sales readily through an advertisement in these columns.

WINSOR

We have about 16,000 Winsor cuttings that will be ready between Feb. 1 and 20. As we need the room we will offer this stock, until sold, at $1.50 per 100, $12.50 per 1000. Cash with order. This stock is guaranteed to be strictly first-class in every respect. If, upon arrival, stock is not satisfactory, same may be returned to us at once and money will be refunded.

WHITE BROTHERS

GASPORT, N. Y.

Please mention the Exchange when writing.

Rochester, N. Y.

Owing to graduating exercises being held on Friday, and McKinley Day coming on the day after, the demand for Roses and Carnations was very active; by six o'clock Saturday evening Carnations were almost an unknown quantity. Whether McKinley Day entered very largely into creating a demand of any proportion is a question which, when broached on the subject, the dealers seemed very dubious of as to its popularity. However, it must be said that it helped out to a great extent in ridding the market of the plethora of colored Carnations that have been in evidence for some time, and which from the present outlook, will again accumulate if something does not turn up to carry them off. White and Enchantress sell readily if of good quality; much of the white coming in is, however, of such poor quality as to be almost worthless even for design work.

Violets are selling much better, due to the fact of warmer weather. Valley and Harrisii Lilies are not moving as readily as could be desired.

Mr. W. Vick has returned from the convention of the American Carnation Society and reports a fine exhibition; he was much impressed with many of the new varieties he saw.

Professor Judson of Cornell was a visitor recently; as professor of horticulture he is working assiduously for a grant from the State that will enable him to do some experimenting on a scale that will be of value to the commercial florist. He states that at present their experimental work is so limited as to be of practically no value to a commercial man.

Chairman A. F. Vick of the Bowling Committee has his committee well in hand. Bowling will commence Thursday evening at the Grand Central; it is expected that at least 20 will attend. The alleys are the best in the city and it is earnestly desired that the boys will take hold and stick to it. H. B. STRINGER.

Pittsburgh

The last few days the florist trade has been rather quiet, still stock of cut flowers was not overabundant. Good Roses have been rather scarce; American Beauty are way up in price and hard to get. Carnations seem to be coming in more freely with prices unchanged. Bulb stock is abundant and varied. Callas predominate. Harrisii Lilies bring a stiff price. Plants are coming in more freely; the weather is yet rather severe for handling them safely.

Last week the boys were all busy with the American Carnation Society's convention and business was laid aside; now they are all back in harness again and much pleased with the result of their labors, for nothing was left undone to make the stay of the visitors as pleasant as possible. A few of the visitors were still in the city Saturday; the most of them left Friday evening after returning from their visit to the Pittsburgh Cut Flower place at Bakerstown. About 100 people took in the trip; two special cars had been provided to take them to Bakerstown, and from the station to the greenhouses sleighs were used. After luncheon a trip through the greenhouses gave the visitors an idea of the extent of the place.

As to the Carnation exhibit, the general verdict seems to be that it was the most successful show ever held. As regards the quality of the blooms it was, no doubt, as good if not better than ever before. There may have been more flowers exhibited heretofore and we rather expected a larger display. As to the awarding of prizes, etc., there were no complaints heard. The room in which the exhibition was held was perhaps one of the best ever had and the flowers kept remarkably well.

The weather was rather more favorable than the Society had had for its convention the past few years; even if it had not been so it would not have interfered with any of the doings as everything in connection with the meeting was taken care of under one roof; a good plan if it can be carried out in the future.

Our florists are certainly more than pleased that everything went off so nicely and we all hope that the visitors will remember their stay of a few days in dirty Pittsburgh (for it was certainly dirty at the time) and will want to visit us again. E. C. REINEMAN.

WINNERS

Read their Record

Pittsburgh, January 26, 1910

S. A. F. Silver Medal for best vase of 50 not yet disseminated—**Mrs. C. W. Ward.**

S. A. F. Bronze Medal for second best vase of 50 not yet disseminated—**Alma Ward.**

Best 100 light pink—**Mrs. C. W. Ward.** Best 100 white—**Alma Ward.**

Special Sweepstake Prize for best vase of any color—**Alma Ward.**

FORMER AWARDS

MRS. C. W. WARD

Silver Medal of the Society of American Florists.....Boston, 1906
The Craig Cup for Best Seedling.....Philadelphia, 1906
The Lawson Bronze Medal.....Washington, 1908
The Horticultural Society of N. Y. Silver Medal, Sweepstake Prize for Best 100 Blooms.....New York, 1909
The Horticultural Society of N. Y. Diploma for Best New Variety.....New York, 1909

ALMA WARD

The Lawson Silver Medal.....Toronto, 1907
(No Gold Medal having been awarded)
The Lawson Gold Medal.....Washington, 1908
Silver Medal of the Society of American Florists.....Washington, 1908

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full center; color deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems, 24" to 36" in length. A vigorous, healthy grower, and has never shown disease of any kind.

A very early and free bloomer, producing fine flowers as early as September 1, which bring from twenty-five to fifty per cent. more than any other variety on the market.

Rooted Cuttings, $2.00 per 12, $12.00 per 100, $100.00 per 1000.
25 at the 100 rate. 250 at the 1000 rate

Delivery February 20th

ALMA WARD

This beautiful Carnation is pure white, except during dark weather, when it shows delicate splashings of pink similar to the Cattleya, increasing its popularity.

ALMA WARD is the largest, most fragrant Carnation ever grown, producing perfect flowers 3½" to 4½" in diameter, on strong, erect stems, 36" to 42" in length.

Rooted Cuttings, $3.00 per 12, $5.00 per 25, $9.00 per 50, $15.00 per 100, $35.00 per 250, $65.00 per 500, $120.00 per 1000.

Delivery March 1st

INVITATION We extend a cordial invitation to all those interested to visit our establishment, where they will have an opportunity to see these varieties growing and to compare their good points with other standard varieties grown under the same conditions.

COTTAGE GARDENS CO. Inc. QUEENS (L. I.), N. Y.

Rooted Carnation Cuttings

WHITE	100	1000
Alma Ward	$16.00	$120.00
Shasta	12.00	100.00
Niagara	6.00	50.00
Georgia	6.00	50.00
Mrs. J. C. Vaughan	6.00	50.00
White Perfection	3.00	25.00
White Enchantress	3.00	25.00
Snow Flake	3.00	25.00
Lloyd	2.50	20.00
RED		
O. P. Bassett	6.00	50.00
Beacon	3.00	25.00
PLUM COLOR		
Gov. Dineen	6.00	50.00
CRIMSON		
Ruby	6.00	50.00
Wanoka	6.00	50.00

PINK	100	1000
Admiration	$12.00	$100.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Mary Tolman	12.00	100.00
Dorothy Gordon	10.00	75.00
May Day	6.00	50.00
Winsor	3.00	25.00
Afterglow	3.00	25.00
Winona	3.00	25.00
Enchantress	2.50	20.00
Ross Pk. Enchantress	2.50	20.00
VARIEGATED		
Conquest	12.00	100.00
Bay State	6.00	50.00
Apple Blossom	6.00	50.00
Mrs. M. A. Patten	2.50	20.00

Strong, clean cuttings—Ready for shipment now.

S. J. REUTER & SON, Inc., Westerly, R. I.

Please mention the Exchange when writing.

SHASTA

WE are now shipping fine, strong cuttings of **Shasta,** as fast as they are ready to come out of the cutting bench. Orders on our books will take all that will be ready up to February 15th. If you want late February delivery you should send in your order at once before the other fellow gets them.

Come and see it growing if you can. Once you see it you will want to grow it. $12.00 per 100, $100.00 per 1000.

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

Strong, Healthy, Well Rooted Cuttings, Now Ready

	100	1000
GEORGIA, best white	$6.00	$50.00
HARVARD, crimson	4.00	35.00
FAUST, Christmas scarlet	3.00	25.00
ENCHANTRESS	2.50	20.00
ROSE PINK ENCHANTRESS	2.50	20.00
WHITE ENCHANTRESS	$3.00	$25.00
WINSOR	2.50	20.00
BEACON	3.00	25.00
VICTORY	2.50	20.00
BAY STATE	6.00	50.00
VICTORIA (extra good)	4.00	35.00

Remember, we guarantee satisfaction.

Address all orders to

JAMES D. COCKCROFT, NORTHPORT, L. I., N. Y.

Please mention the Exchange when writing.

"Canary Bird"

THE BEST YELLOW CARNATION EVER INTRODUCED

EARLY—FREE—LARGE

Rooted Cuttings Ready Now, per 100 $12.00, per 1000 $100.00

Henry Schrade Saratoga Springs, N. Y.

Scranton Florist Supply Co. Scranton, Pa.

Please mention the Exchange when writing.

THE AMERICAN CARNATION

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PTG. & PUB. CO. Ltd., 2 to 8 Duane Street, New York

THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

The Cultivation of Cyclamen

Mr. James Stuart, of Mamaroneck, N. Y., recently gave an interesting account before the Tarrytown Horticultural Society of N. Y., as to his methods of treating Cyclamens, of which he is a successful grower. The following is a summary of his remarks.

Mr. Stuart said that the best time for sowing was the middle of August, and strongly advised the procuring of new seed as his experience was that these germinate much quicker and more strongly than old seed. As sowing compost he uses a mixture of loam, leaf-mould and sand, with enough finely broken charcoal to insure openness and freedom of drainage. Flats are used in preference to pans, and the seeds sown in shallow drills in place of broadcast, so that the surface of the soil can be worked over occasionally to prevent moss or scum from gathering. The seeds are covered only lightly with soil and the boxes closely covered with glass to prevent evaporation. A temperature of sixty degrees is maintained with plenty of atmospheric moisture. When the seedlings are up plenty of light is allowed, but shade is always provided against strong sunshine. When the second or third leaf appears, the seedlings are pricked over into flats again, in preference to pots, where they remain until large enough to be potted into 3″ or 3½″ pots.

For Christmas flowering they are moved up, when ready, into 5″ or 6″ pots, but when intended for Spring flowering they are given another shift, 7″ pots being used. In Summer they are kept in the coolest possible house and, when Fall comes, a temperature of not less than 55° is maintained until such time as the flowers begin to show. Then the temperature is lowered to from 45° to 50° at night and, when in full flower, air is freely given, a little being allowed at night to insure a dry atmosphere and prevent damping.

In the general potting compost, a liberal supply of well-rooted manure is added to that formerly advised and potting done moderately firm. Cleanliness, both in the house and benches, he strongly advises. Also every precaution to prevent insect enemies from getting a hold on the plants. A solution of soft soap and kerosene he considers the best insecticide, this being used freely as a spray both on the plants and benches as a preventive against the Cyclamen mite.

In growing plants over the second year he preferred to keep them growing along steadily in place of drying off as some do, and retaining as much of the old foliage as possible, but keeping all decayed flowers and leaves closely picked off.

In conclusion Mr. Stuart said that to be a successful Cyclamen grower one had to have a special interest in the plants, to pay strict attention to details, and be on the job all the time.

Rose Growing at Hadley, Mass.

The Montgomery Co., wholesale Rose growers, is advancing the work on its plant in Hadley through all the various kinds of adverse conditions of the Winter season in order that the actual work of growing may be taken up as early as possible. The Hadley property of the Montgomery Co. comprises 50 acres of land in the eastern part of the town. The greenhouses are to be of the newest type of steel frame construction, furnished and erected by the King Construction Co., and cover about one acre of ground. The heating plant will consist of two horizontal return tubular boilers, 72 inches in diameter and 19 ft. 6 in. long, built to conform to the Massachusetts laws, and will have a steel stack 48 in. in diameter and 86 ft. high. The heating plant will be connected with a system comprising five miles of pipe, ranging in size from ¾ in. to 6 in. There are to be in the roofs, 1300 boxes of double strength window glass, each box weighing 100 pounds.

Alexander Montgomery, president of the company, is a pioneer in the industry. He has made a life study of Rose culture in all its forms and is widely known as a skillful cultivator and an authority in all that pertains to the successful management of Rose growing. He has built up the well-known Waban Rose Conservatories at Natick from a small beginning until today they are among the largest the best equipped in the country. In everything that has to do with the science of Rose culture he is a recognized leader. Robert J. Montgomery, secretary and treasurer of the company, was trained in the Massachusetts Institute of Technology for the profession of chemistry and has had extended experience. A. W. Montgomery, general manager, is a graduate of the Mass. Agri. College and has devoted much time to study of Rose growing and observation of methods in various parts of the country.

Stocks as Pot Plants

Just at this time of the year, when there is not a very great variety available in flowering plants in pots, anything in that line, even though in itself perhaps common, when uncommonly well grown is worthy of note.

I have seen Stocks often grown in benches and in pots of various sizes, but the finest I have seen in many a long day were grown in pots in the greenhouses of Richard Mortimer at Tuxedo Park, where Carl Schaeffer is in charge. There were two large batches of single and double in full flower, and such stems! Almost covered from top to bottom with bloom. For the most part they are flowered in 4-in. pots, although there are a number of more finished specimens in 6-in. pots.

Mr. Schaeffer sows the seed of Stocks in June and puts them into small pots as soon as they are large enough to handle; these, when established in the soil, he places in the coolest spot he can find outdoors, and repots only when they show they are actually in need of more root room. The plants are not taken indoors until conditions outside make it risky to let them remain there any longer.

Stocks are by no means the only things done well here. One house of Carnations is certainly worth looking at; there are not many varieties grown and it seems worthy of comment that here, where Carnations are grown to such perfection, only such varieties as the several Enchantress varieties, Lawson and Victory, find much favor. Victory, in Mr. Schaeffer's opinion, is emphatically the best all-round red Carnation grown and he says he has tried others.

In another house were two large batches of Freesias, grown in 6-in. pots; one of Purity and the other of the older and commoner variety. It took but a glance to see that Purity leads in every point by which Freesias are judged.

Mr. Schaeffer is one of, if not the largest grower of Chrysanthemums in this section; he is now hard at work propagating, while his son Richard, who is noted for his success in growing specimen Chrysanthemum plants, is already well under way with his foundation for what he hopes will be prize winners next season when he expects to again exhibit.

D. M.

Los Angeles

The stockholders of The Pacific Garden Publishing Co., which means the members of the Pasadena Gardeners' Association, held their annual election for a Board of Directors for the coming year on Jan. 20, with the result that three members who served last year—Otto Heutschy, James McGillivray and Wm. Niel Campbell—were re-elected; the new members of the Board are Roderick McKenzie, O. W. Howard and Edward Popp.

Ant. C. Zvolanek of Bound Brook, N. J., passed through this place on his way East from Santa Barbara, where he has been the last four weeks planting his famous Sweet Peas of the early flowering types. He put in 65 acres, 16 of which are designed for exhibition purposes. How the entire acreage can be anything else is difficult to understand. The man or woman must be callous, indeed, who does not go into raptures over our Sweet Pea fields when in bloom. Mr. Zvolanek has made arrangements with our enterprising seedsman, Wm. Neil Campbell, to act as his general agent for California, Arizona, Nevada, New Mexico and Mexico. The thought occurs to me, Have these two men even a faint idea of the extent of territory here named?

Arthur Simpson, foreman for Howard & Smith at their Montebello Nursery, brought in to the last meeting of the Pasadena G. A., Jan. 21, an armful of their perennial Delphiniums, from the open, which were three feet tall with heads of flowers a foot long and in every conceivable shade of blue. This progressive firm is composed of young fellows with an inherent love for flowers, and, bubbling over with enthusiasm; they have produced a strain of Delphiniums, of Gladioli, and of Shasta and Transvaal Daisies, superior to anything in their line that has yet come under my observation. Another remarkable characteristic of the firm is, that it is a wonderful financial success, a combination not often met with—business ability and a love for plants.

P. D. B.

MARY TOLMAN

Winner of First Prize at Milwaukee. Deep flesh pink, the most beautiful color of any in this class. Does not fade in the strongest light. An excellent, clean, upright grower, long, stiff stems and perfectly formed flowers. Will produce more perfect blooms in a season than Enchantress. We want your order for this excellent Carnation. Orders booked now for February, 1910, delivery. **$12.00 per 100, $100.00 per 1000.**

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CONQUEST

Light pink overlaid with deep rose. The most valuable and fancy Carnation on the Market.

Winner of First Prize Wherever Shown

Habit of Lawson; very free; stem long as Enchantress, and stiff; the flowers are large and well formed, making a good impression wherever shown, and can be used to good advantage in many different ways.

Chicago Carnation Co.
A. T. PYFER, Mgr. JOLIET, ILL.

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Brilliant glistening pink, brighter than Winsor or Winona

SANGAMO

Winner at Chicago, St. Louis and Milwaukee Flower Shows

Perfectly formed flowers on long, stiff stems; calyx does not split. The most PROLIFIC Carnation grown to-day. Everybody pronounces it the best "bread-and-butter" Carnation they have ever seen growing.

ROOTED CUTTINGS, ready Jan. 1st., **$12.00 per 100, $100.00 per 1000.**

CHICAGO CARNATION CO. JOLIET, ILL. **A. C. BROWN** SPRINGFIELD, ILL.

Please mention the Exchange when writing.

Rooted Carnation Cuttings

NEW CARNATIONS FOR 1910

	Per 100		Per 100
Dorothy Gordon	$12.00	Admiration	$12.00
Shasta	12.00	Alma Ward	12.00
Scarlet Glow	12.00	Mrs. C. W. Ward	12.00
Saogamo	12.00	Conquest	12.00

CARNATIONS OF 1909

	Per 100		Per 100
O. P. Bassett	$6.00	Ruby	$6.00
Pink Delight	6.00	Mrs. J. C. Vaughan	6.00
Mrs. Chas. Knopf	6.00	Georgia	6.00

STANDARD VARIETIES

WHITE VARIETIES	Per 100	PINK VARIETIES	Per 100
White Enchantress	$3.00	Winsor	$3.00
Lady Bountiful	3.00	Afterglow	3.00
White Perfection	3.00	Splendor	3.00
Queen Louise	2.00	Pink Imperial	2.60
The Queen	2.00	Rose Pink Enchantress	2.60
My Maryland	2.00	Mrs. Thos. Lawson	2.00
Sarah Hill	2.00	Nelson Fisher	2.00
Lloyd	2.00	Mabelle	1.50
		Variegated Enchantress	2.60
RED VARIETIES		**YELLOW VARIETIES**	
Robert Craig	3.00	Eldorado	2.00
John E. Haines	2.00	Golden Beauty	2.00
Beacon	3.60	**VARIEGATED VARIETIES**	
Flamingo	2.00	Mrs. Patten	2.60
Victory	3.00	Jessica	2.60
Roosevelt	2.00		
Harlowarden	2.00		
Cardinal	2.00		

GRAFTED AND OWN ROOT ROSES READY FOR EARLY DELIVERY. SEND FOR CIRCULAR

CHOICE VARIETIES OF VERBENAS

Rooted Cuttings, our selection; 75c. per 100; $6.00 per 1000.
Plants, 2¼-in. pots, our selection; $2.50 per 100; $20.00 per 1000.
Rooted Cuttings, purchaser's selection; $3.00 per 100; $8.00 per 1000.
Plants, 2¼-in. pots, purchaser's selection; $3.00 per 100; $25.00 per 1000.
Entirely sold out of Miss Willmott cuttings and plants.

J. L. DILLON, Wholesale and Retail FLORIST, **Bloomsburg, Pa.**

Please mention the Exchange when writing.

Rooted Carnation Cuttings

	Per 100	Per 1000
Sangamo	$12.00	$100.00
Conquest	12.00	100.00
Mary Tolman	12.00	100.00
White Enchantress	3.00	25.00
White Perfection	3.00	25.00
Enchantress	2.50	20.00
May Day	6.00	50.00
Daybreak Lawson	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Winona	3.00	25.00
Winsor	3.00	25.00
Splendor	3.00	25.00
Alvina	5.00	45.00
Aristocrat	3.00	25.00
Afterglow	3.00	25.00
Lawson-Enchantress	3.00	25.00
O. P. Bassett	6.00	50.00
Victory	3.00	25.00
Beacon	3.00	25.00
Gov. Deneen	5.00	45.00
Andrew Carnegie	3.00	25.00

All stock clean, healthy and well rooted

Guaranteed to be satisfactory in every respect

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The new Carnation, that will bring you more dollars and cents than any other Carnation. Try it. $12.00 per 100; $100.00 per 1000.

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WHOLESALE FLORISTS ☞ Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial

Please mention the Exchange when writing.

NEW YORK, February 2.—The cut flower market has seen quite a little activity the past week, and prices have been somewhat more steady. But with increased sales, material of all kinds has been received in greater quantities, so that plenty of all grades of flowers have been obtainable.

American Beauty Roses have held their own and at this date they are practically cleaned up. Prices have remained about as last week, with an average of 50c. for top grades. Tea Roses of all kinds are very plentiful and stock is of the best possible quality. Prices range from $4 to $12, with a trifle heavier call for the medium grades. Quite a few small grade Roses are selling at $3. White sorts are more in demand than other colors, but the supply is ample.

Carnations have increased in quantity quite perceptibly, and quality is also par excellence. Sales are still made at $5 per 100, for top grades of Euchantress and White Perfection. Other grades vary from $2 to $4, according to quality. Plenty of flowers are on hand, but sales are such that the stock is kept moving.

Cattleyas and Cypripediums are not improving very rapidly, and prices remain about the same as last week, for small lots, while, generally, the average through the week will be about 40c. Cypripediums move very slowly and are hard to move at 8c. to 10c. each. Gardenias are more plentiful and prices vary according to quality of flower and length of stem; sales are often made at $4 to $5 per 100 for smaller grades, to clean up.

Lilies are becoming harder to dispose of, and offerings to buyers at 10c. per flower are refused. Plenty of all grades are obtainable, and much stock is left over from day to day. Lily of the Valley has stiffened a trifle, and the outlook for the coming week is that it may advance a little, but conditions are so variable that to prophesy is perhaps futile. At present, the price ranges from $2 to $4 and receipts have cleaned up well. Callas are still in fair demand, and reach $2 per doz. for top grade flowers. Many Callas are being shipped in which show disease spots, which turn brown after a day or so, thus spoiling sale of flowers.

Daffodils have become so abundant that efforts to hold the price at $4 have been without avail, and should heavier shipments continue to arrive the prospect is that the price will fall. Tulips of all kinds are plentiful, and considering the quantity shipped in they move very well. Prices range from $2 to $4, according to stem and variety.

Violets continue to arrive in large quantities and top grades realize only 60c. for small sales. Street men benefit by the apparent slump, and to these, sales are made to clean up flowers from one to two days old at 20c. to 30c. per 100. Freesias are in fair demand. Adiantum is in good demand. Asparagus and Smilax move rather slowly, and vary in price according to grade.

PHILADELPHIA, February 1.—But very little change, since last week, is noticeable in the condition of the cut flower market, and business has been exceptionally good. American Beauty Roses are meeting with a good demand and are somewhat short in supply; top grades are worth 75c. Tea Roses of every variety move well, especially the medium grades, for which there is a strong call, and prices obtained are good.

Carnations move freely, although the increased receipts have a tendency to keep prices down. Top grade Enchantress and White Perfection realize $5, but the bulk of sales is made at $3 per 100. The demand for these flowers was good the latter part of last week, although on account of bad weather, the stock did not clean out as well as was expected.

Orchids are good property, and top grade Cattleyas realize 60c. Quite a few crippled blooms, however, are coming in, on which it is hard to realize anything. Cypripediums move slowly, and average 10c. each.

Other flowers, such as Sweet Peas, Daffodils, Tulips both white and yellow, can be had in unlimited quantity, while Easter Lilies and Lily of the Valley are selling for prices much below the average.

Greenery of all kinds is in good demand, especially Asparagus and Adiantum, prices for which remain firm. Lilac is enjoying unprecedented popularity and more of the best quality flowers could be used. Prices range from 75c. to $1 per bunch. Narcissus still remains plentiful, and is hard to dispose of; the same condition applying to Roman Hyacinths.

CHICAGO, February 1.—The condition of the market is practically a repetition of the past three weeks. The shortage of stock is discouraging to both the wholesaler and retailer. Roses are off crop and nothing can be expected from them for two or three weeks, until the new crops arrive. Such flowers as are to be had are on par with last week, although higher prices than are quoted are being obtained in many instances.

Carnations still arrive of excellent quality, although the quantity is sparse. The prices remain about the same and all good stock is moving rapidly at 4c.

Tulips are coming in nicely, and are of fine quality; Red varieties are just making an appearance. Yellow Narcissus of the Polyanthus variety has arrived, and meets with a very ready sale. Paperwhites are not seen in such quantities as in the week previous. Jonquils are scarce, the early crop not maturing up to expectations, and all are disposed of easily at 5c. and 6c. each. Some extra fine Roman Hyacinths are to be had, in fact, superior to any seen before this season. Freesias, likewise, are coming on fine, and are used extensively for funeral work. Perhaps the one item that has advanced in quantity is Lilies; they have been coming in the past few days more plentifully and the price has dropped a little. Lily of the Valley is in just as active demand as ever, and prices remain steady at $3 to $5 per 100. Orchids are seen in more profuse quantity, and the prices vary, as the stock is larger some days than others. Gardenias remain steady and are meeting with a good demand. Sweet Peas are not coming in any greater supply than in the past; more could be used if they could be obtained. Violets are not moving off as is usual; the price is 50c. to 75c. per 100, occasionally $1 being obtained.

Smilax is arriving in full long strings, and hard, making it very easy to ship; $15 per 100 is obtained for same. All green stock is not over abundant but plenty to meet all requirements. With the exception of a showing of Mignonette, White Lilac and a few Daisies, there is nothing more available.

INDIANAPOLIS, January 31.—Indianapolis was no exception in that desirable grades of flowers have been most difficult to obtain. All lines of trade were kept busy throughout the week and it often was a difficult problem to obtain good flowers. Shipments received in response to long distance and telegraphic calls invariably proved disappointing. Warmer, brighter weather will doubtless enact a change.

Carnations proved a mainstay last week and at least five times as many of them as Roses were consumed. Prices remained at $2.50 to $4 per 100. Counter trade is well satisfied, generally speaking, if enabled to obtain a sufficient quantity of Spring flowers, such as Jonquils, Paperwhite Narcissus, Tulips, Freesias and Lilacs. These have all brought quoted market figures and are good property for the grower. Callas and Harrisii Lilies have served the liberal amount of funeral work unusually well at $12.50 to $15 per 100.

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WHOLESALE FLORISTS
DAFFODILS TULIPS and ALL SPRING BULBOUS STOCK
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Growers will find this the best house in Greater New York for all cut flowers.
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51 West 28th Street, New York

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The retail figure for them is $3 to $4 per dozen. Potted plants, because of the indifferent character of cut flowers, have been meeting with marked success. Prices vary but little each year, but at this period seemingly there is an upward tendency. Azaleas, Rhododendrons, Lilacs and potted pans of bulbous stock make attractive window displays.

The best grades of Roses have been wholesaling as high as $12 per 100. Seconds, more ordinarily classed as thirds, sold at $6 to $8 per 100, and shorts at $2 to $3 per 100. A large percentage of the Am. Beauty are bull heads. Prices remain at $5 to $50 per 100 wholesale; and $2 to $12 per dozen retail.

Some nice Mignonette, also Forget-me-not is well received by the shop men. The Orchid business is slightly depressed and suffers because of an indifferent supply, $50 per 100 is obtained for good Cattleyas. Sweet Peas are seen everywhere in several colors, at 50c. to $1 per 100. The green goods market is well supplied at the quotations of larger cities. I. B.

BOSTON, January 29.—Prices are holding up well and, in fact, if anything they are slightly better than last week. For the past week we have been enjoying Spring weather and bulbous material is getting quite plentiful, such as Tulips, Narcissus and Hyacinths. Callas are more abundant. Sweet Peas are much more abundant than a week ago. White Carnations are very scarce and, in fact, most varieties are. Asparagus Sprengeri and plumosus are quite scarce. Adiantum very scarce. Roses not over plentiful but quality is good. American Beauty not abundant.

Orchids such as Cattleyas, Cypripedium and Dendrobiums, are in quite good demand and the supply is plentiful.

ST. LOUIS, January 31.—Last week business was very good and, according to the way the retailers bought stock, they must have put in a busy week. The commission men report clean-up sales on everything good last week. The retailers say they expect to be quite busy up to Lent, when the social season ends for six weeks.

Funeral work has been quite plentiful of late with all the store men.

The market has very few Roses and the commission men are asking a pretty stiff price for those coming in. In stocks arriving now, all varieties in Roses are scarce, and from 10c. to 15c. is asked for the best. American Beauty, sell at $5 to $6 per doz. for choice. Carnations are bringing a good price and the market is well supplied with them. Saturday (McKinley Day) the commission men were asking top price, $5 per 100 for good red and pink, the average price being about 4c. apiece. A few growers held back their stock for this day and its looks showed pickling.

Violets, both single and double, are most plentiful at 25c. to 50c. per 100; the weather has been just right for them. Everything in the bulb stock line is plentiful, except Tulips and Freesia; these show no advance in price. Smilax and other greens have good sales.

ST. PATRICK.

Hartford, Conn.

Business continues good and flowers are very scarce. A large amount of funeral work has been done the past week and there has also been a good demand for flowers for social affairs. Prices are the same as previously reported. Blooming plants, such as Cinerarias, Azaleas and Primroses are selling well. J. F. COOMBS.

Worcester, Mass.

There have been many deaths in this city during the past month; some of the funerals have been large with a proportionate display of flowers, and this, of course, means much to our florists.

Horticultural Hall is a busy place every Thursday. On Feb. 3, Prof. Donald B. McMillan, who was with Lieut. Peary in the North Pole expedition, gave an illustrated talk on the flora and natural history of the Arctic regions.

CAROLUS.

Changes in Business

READING, MASS.—The W. B. Jeffrey greenhouses have been leased for several years to the Reading Floral Co. The new firm is composed of two Reading young men.

CLINTON, IND.—J. H. Ricketts has again leased the Sunnyside Floral Co., of Herman Raabe, and has possession. Mr. Ricketts has been running a store at Numa. Mr. Raabe will for the present be in a store in Terre Haute.

J. K. ALLEN
WHOLESALE COMMISSION FLORIST
106 W. 28th St., New York

I have room to handle more consignments to advantage, of Roses, Carnations, Violets, Valley, Tulips and other stock. Highest prices. Prompt returns. Give me a trial. Your correspondence appreciated.

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All choice Cut-Flowers in season. Send for quotations.
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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
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Wholesale Prices of Cut Flowers, New York, February 2nd, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	40.00 to 60.00
" extra	25.00 to 40.00
" No. 1	15.00 to 25.00
" No. 2	10.00 to 15.00
" No. 3	6.00 to 10.00
Killarney	4.00 to 12.00
White Killarney	4.00 to 12.00
My Maryland	4.00 to 12.00
Richmond	4.00 to 12.00
Mme. Abel Chatenay	4.00 to 12.00
Golden Gate	4.00 to 10.00
Bride, Maid, fancy—spec.	8.00 to 10.00
" extra	6.00 to 8.00
" No. 1	4.00 to 6.00
" No. 2	2.00 to 4.00
Adiantum	1.00 to 1.50
Croweanum	.... to 1.50
Antirrhinum (per bunch)	.50 to 1.50
Asparagus, cut strings	25.00 to 50.00
Plumosus, bunches	15.00 to 30.00
Sprengeri, bunches	15.00 to 30.00
Bouvardia	2.00 to 3.00
Callas	10.00 to 15.00
Daffodils	2.00 to 4.00
Daisies	.75 to 1.00
Ferns, hardy	.15 to .20
Galax, green and bronze.	.20 to .25
	.... to ....
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.... to 1.50
Standard Varieties: White	2.00 to 3.00
Standard Varieties: Pinks	2.00 to 3.00
Standard Varieties: Red	2.00 to 3.00
Standard Varieties: Yel. & Var.	2.00 to 3.00
Fancy (The highest grades of Sta'd varieties): White	3.00 to 5.00
*Fancy: Pinks	3.00 to 5.00
*Fancy: Red	3.00 to 4.00
*Fancy: Yel. & Var.	3.00 to 4.00
Novelties	4.00 to 6.00
Gardenias, per doz.	1.00 to 4.00
Lilac, per bunch	.50 to .75
Lilies, Harrisii and Longi.	8.00 to 12.00
Lily of the Valley	1.00 to 4.00
Mignonette, per doz.	.40 to .75
Narcissus	1.00 to 2.00
Orchids, Cattleyas	25.00 to 50.00
Cypripediums	8.00 to 12.00
Dendrobium Formosum	25.00 to 40.00
Panalea, per doz. bunches.	.50 to .75
Poinsettias per doz.	.... to ....
Roman Hyacinths	1.00 to 2.00
Smilax (per doz. strings)	1.00 to 1.50
Stevia, per bunch	.15 to .25
Sweet Peas, per doz. bun.	.50 to 1.25
Tulips	2.00 to 4.00
Violets, single	.25 to .50
" double	.25 to .50
	.... to ....

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST. NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
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55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

New Bedford, Mass.

Trade here the past week has been very slow, funeral orders being the only work that has kept things going. There is a fairly good crop of flowers coming in. Carnations retail at 60c. per dozen, a few at 50c. per dozen; Roses retail at $1.50 per dozen; Violets sell quite good; they have now dropped to $1 per 100 blooms; Sweet Peas sell at $1 per 100 blooms; Paperwhites retail at 60c. per dozen. Some Daffodils are now coming in, and retail at 60c. and 75c. per dozen, Golden Spur bringing 75c. per dozen, and Princeps 60c. per dozen. Mignonette sells at 50c. per dozen. Some nice Freesias are to be seen, and these help out fine in funeral work.

R. H. Woodhouse will have about 15,000 Geraniums, also a fine lot of Vincas this season.

The past week was very cloudy, with the weather mild. We are now in the midst of a cold spell.

Peter Murray is sending in some nice flowering plants.

Manuel B. Sylvia of the New Bedford Nurseries is putting the finishing touches to his new greenhouse. He will grow Geraniums and other bedding plants for the Spring trade. In the Fall he will plant Carnations.

Wm. Livesey is getting ready for his annual Smilax trade. He will grow about 10,000 plants the coming season.

E. G. Davis is growing some nice Fern fronds, which he is shipping out of town.

Wm. S. Brown is supplying the florists with good cut sprays of Asparagus Sprengeri and plumosus.

S. S. Peckham has once more got things in running shape at his Fairhaven plant. Things look fairly good for Easter; most of the growers have already sown their Ten Weeks Stock seed, also Candytuft. This line is a big factor here on Memorial Day. HORTICO.

Indianapolis

McKinley Day proved a revelation to those who thought the popularity of the favorite flower was on the wane for this occasion. Hundreds of Carnations, yes, thousands, were disposed of at 10c. each. Those not well supplied began an early and systematic search for every Carnation available in the vicinity. Saturday, always a good sales day, proved particularly so on this day.

The Indiana delegation returned with enthusiastic praises for the Pittsburgh exhibition and hospitality. Walter Coles, of Kokomo, stopped off long enough en route to apprise his friends in regard to the prize winners.

Mr. and Mrs. Eugene Dailledouze of Brooklyn, N. Y., are visiting Mr. and Mrs. John Bertermann, and Mr. Dailledouze is also enabled to discuss Carnation topics as he viewed them at the convention.

Tomlinson Hall Market reports a busy week and has little left at the close. Potted plants are moving well there.

Sidney Wertheimer and William Dykes of New York visited the trade this week.

Myer Heller of New Castle is spending the Winter in Florida.

Albert Kempke is to erect another greenhouse this season. Carnations are to be provided for.

Alfred W. Brandt, who has been on the sick list, is again able to attend to business.

Edward Bertermann is still recuperating at Martinsville. I. B.

WAYNESBORO, PA.—Peter Olsen of the Chicago Carnation Co. of Joliet, Ill., made a trip to Henry Eichholz's place here to inspect the stock of the Lawson colored sport of Enchantress, "Washington," and took back with him over 10,000 cuttings which were ready for the company. He thinks "Princess Charming" is a coming variety.

HOPSON, MASS.—The Middlesex Co-operative Garden Co., has incorporated. The capital stock is $25,000. An advisory board consists of Representative Albert Battley Maynard, florist, and others.

STAATSBURG, N. Y.—James MacFarlane, who owns several greenhouses situated at the head of Elm ave., recently met with quite a serious accident. He was shoveling the snow from the glass on one of the houses when he broke through the sash, cutting one of his legs quite badly.

Firms Who are Building

NORTH BRIDGTON, ME.—Chas. L. Chadbourne is building an addition to his potting shed and one new house, 20x50 ft.

2-Killarneys

AT this season both the Pink and White are at their best, large heavy buds, plenty of substance, a money making pair for every florist.

KILLARNEYS
Per 100, Specials $15.00; Fancy $12.00; Extra $10.00; 1st $8.00; 2nd $6.00.

RICHMONDS
Per 100, Specials $15.00; Fancy $12.00; Extra $10.00; 1st $8.00; 2nd $6.00.

MARYLAND
Per 100, Specials $15.00; Fancy $12.00; Extra $10.00; 1st $8.00; 2nd $6.00.

GARDENIAS. Per doz., Special $4.00; Fancy $3.00; 1st $2.00.

VALLEY. Per 100, Special $5.00; Extra $4.00; 1st $3.00.

PEAS, Lavender, White and Pink. 75c. to $1.00 per 100. Extra long, $1.50 per 100.

SINGLE DAFFODILS. $4.00 per 100.

RIBBONS. Some of the choicest novelties; exclusive patterns; an endless variety to choose from. **SUPPLIES of all kinds.**

CATALOGUE ON REQUEST

S. S. PENNOCK-MEEHAN CO.
The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St., Philadelphia, Pa.
1212 New York Ave., Washington, D. C.
Stores close at 6 P. M.

QUALITY

Please mention the Exchange when writing.

Philadelphia

The sales of Carnations for McKinley Day did not realize such proportions as were expected, although the retail stores laid in an extra supply of flowers. The weather was far from pleasant, and while display cards were prominent in the windows of many of the stores, little attention was paid to the fact by the general public.

Chas. Kent has closed his store at 52d st. and will confine his energies to his other floral establishments.

Some of the best Daffodils and Tulips seen in this market are coming from the greenhouses of Wm. K. Harris.

Decorations for many society events go on apace and keep a large force of men busy.

J. J. Habermehl's Sons recently arranged the decorations for the Randolph ball in the Bellevue-Stratford Hotel and last week furnished the decorations for the annual gathering of the Kettle Club, recently held in the Union League Club rooms.

The Robt. Craig Co. is making preparations for early shipments of Begonia Gloire de Lorraine stock, the quality of which will be fully equal to that sent out in former years. The stock is usually potted twice to insure stronger plants.

Emil Geschick, of Germantown ave., is much pleased over the outlook for the coming season. He has been successful in educating his customers to buy Orchid blossoms, and in order to supply them the coming season has placed a large order for newly imported plants, the arrival of which, together with those plants already on hand, will enable him to devote an entire greenhouse to their culture. Eachantress Carnations prove the most profitable variety to grow here, and patrons are continually asking for them, a fact which has caused Mr. Geschick to decide to devote more space for the development of this popular flower next year.

W. E. McKissick & Bros. have recently received a shipment of an extra fine grade of Dagger Ferns.

John McIntyre says he never knew Lilac to be in such heavy demand.

EDWARD REID
Wholesale Florist
Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias
All other seasonable flowers
1526 Ranstead St., Philadelphia, Pa.
Please mention the Exchange when writing.

Headquarters in Western New York
For Roses, Carnations,
And all kinds of Seasonable Flowers

WM. F. KASTING CO.
Wholesale Commission Florists
Dealers in Florists' Supplies and Wire designs
383-87 Ellicott St., BUFFALO, N.Y.
Give us a trial—We can please you
Please mention the Exchange when writing.

Bulbous Stock | **Spring Flowers**

Valley, Daffodils
Tulips, Romans
Narcissus, Freesias

Peas, Pansies
Lilacs, Pussy Willows
Daisies, Mignonette

There is a good supply of this stock now, and a good variety to choose from. It is good stock to use, when other flowers are more or less scarce.

THE LEO NIESSEN CO.,
Wholesale Florists
1209 Arch Street
PHILADELPHIA
Open from 7 A.M. to 8 P.M.

Please mention the Exchange when writing.

WE ARE NOW BOOKING ORDERS FOR
BEGONIA LORRAINE
BEGONIA LORRAINE LONSDALE
BEGONIA AGATHA
JUNE DELIVERY

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be **twice shifted.** Orders filled in rotation. 2½-in. pots, $15.00 per 100, $140.00 per 1000.
Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Jan. 17, 1910	Buffalo Jan. 31, 1910	NAMES AND VARIETIES	Philadelphia Feb. 1, 1910	St. Louis Jan. 31, 1910	
35.00 to 40.00	30.00 to 40.00	Roses—A. Beauty, fancy—special	40.00 to 60.00	30.00 to 40.00	
25.00 to 30.00	... to 25.00	" extra	30.00 to 40.00	20.00 to 25.00	
15.00 to 20.00	... to 12.00	" No. 1	15.00 to 25.00	10.00 to 15.00	
6.00 to 10.00	8.00 to 8.00	" No. 2	10.00 to 15.00	4.00 to 6.00	
4.00 to 10.00	8.00 to 15.00	Killarney	4.00 to 12.00	6.00 to 10.00	
4.00 to 10.00	6.00 to 15.00	White Killarney	4.00 to 12.00	6.00 to 10.00	
5.00 to 10.00	8.00 to 15.00	My Maryland	4.00 to 12.00	6.00 to 8.00	
5.00 to 10.00	6.00 to 15.00	Richmond	4.00 to 12.00	6.00 to 10.00	
3.00 to 6.00	4.00 to 10.00	Perle	... to ...	... to ...	
4.00 to 10.00	... to ...	Golden Gate	... to ...	... to ...	
4.00 to 10.00	4.00 to 8.00	K. A. Victoria	... to ...	... to ...	
8.00 to 10.00	12.00 to 15.00	Bride, Maid, fancy—special	8.00 to 10.00	8.00 to 10.00	
6.00 to 8.00	10.00 to 12.00	" extra	6.00 to 8.00	5.00 to 6.00	
5.00 to 6.00	8.00 to 10.00	" No. 1	4.00 to 6.00	... to 4.00	
3.00 to 5.00	4.00 to 8.00	" No. 2	3.00 to 4.00	... to ...	
... to 1.00	... to ...	Adiantum	1.00 to 1.50	1.00 to 1.50	
... to ...	... to ...	Antirrhinum (per bunch)	... to ...	... to ...	
25.00 to 50.00	... to ...	Asparagus, Plumosus, bunches	35.00 to 50.00	... to ...	
25.00 to 50.00	... to ...	" Sprengeri, bunches	30.00 to 40.00	25.00 to 50.00	
... to ...	... to ...	Bouvardia	2.00 to 3.00	... to ...	
8.00 to 12.50	12.00 to 15.00	Callas	10.00 to 15.00	12.50 to 15.00	
... to ...	... to ...	Chrysanthemums	... to ...	... to ...	
1.50 to 2.00	... to ...	Carnations—Inferior grades, all colors	1.00 to 2.00	1.00 to 1.50	
2.50 to 3.00	2.00 to 3.00	Standard Varieties: White	2.00 to 3.00	... to 2.00	
2.50 to 3.00	2.00 to 8.00	Standard Varieties: Pink	2.00 to 3.00	... to 2.00	
2.50 to 3.00	2.00 to 3.00	Standard Varieties: Red	2.00 to 3.00	... to 2.00	
2.50 to 3.00	2.00 to 3.00	Standard Varieties: Yellow and var.	2.00 to 3.00	... to 2.00	
... to 4.00	3.00 to 4.00	*Fancy (*The highest grades of Std'd vars.): White	3.00 to 4.00	... to 3.00	
... to 4.00	3.00 to 4.00	*Fancy: Pink	3.00 to 4.00	... to 3.00	
... to 4.00	3.00 to 4.00	*Fancy: Red	3.00 to 4.00	... to 3.00	
... to 4.00	3.00 to 4.00	*Fancy: Yellow and var.	3.00 to 4.00	... to ...	
3.00 to 5.00	4.00 to 5.00	Daffodils	3.00 to 5.00	3.00 to 4.00	
... to ...	.75 to 1.50	Daisies	1.00 to 2.50	... to ...	
... to .15	... to .15	Ferns, hardy	... to ...	... to .20	
1.00 to 2.00	... to ...	Freesia	2.00 to 5.00	... to 3.00	
... to .10	... to .15	Galax, green and bronze	... to ...	... to ...	
2.00 to 2.50	8.00 to 9.00	Gardenias, per doz.	1.00 to 3.00	... to ...	
... to ...	... to ...	Lilac	.75 to 1.00	... to ...	
... to 12.50	... to 15.00	Lilies, Harrisii and Longi	8.00 to 12.50	12.50 to 15.00	
... to 4.00	4.00 to 5.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00	
3.00 to 4.00	3.00 to 5.00	Mignonette	2.00 to 4.00	4.00 to 5.00	
2.00 to 3.00	2.50 to 3.50	Narcissus	1.00 to 2.00	2.50 to 3.00	
... to ...	75.00 to 100.00	Orchids—Cattleyas	40.00 to 60.00	... to ...	
... to ...	15.00 to 20.00	" Cypripediums	10.00 to 15.00	... to ...	
... to ...	... to ...	" Dendrobium Formosum	30.00 to 40.00	... to ...	
... to ...	... to ...	Pansies, per doz. bunches	.50 to .75	... to ...	
2.00 to 3.00	2.00 to 3.00	Roman Hyacinths	1.00 to 2.00	2.00 to 3.50	
... to 20.00	... to 15.00	Smilax, (per doz strings)	1.00 to 1.50	... to 1.25	
... to ...	.25 to .30	Sievia, per bunch	.15 to .25	... to ...	
1.00 to 1.50	.50 to 1.00	Sweet Peas, (per doz. bun.)	.50 to 1.00	.50 to 1.00	
... to 3.00	3.00 to 4.00	Tulips	2.00 to 4.00	... to ...	
... to .75	... to ...	Violets, single	.25 to .60	.30 to .40	
... to 1.00	.75 to 1.50	" double	.35 to .60	... to ...	
... to ...	... to ...		... to ...	... to ...	
... to ...	... to ...		... to ...	... to ...	
... to ...	... to ...		... to ...	... to ...	

F. E.—The Best Advertising Medium

The Aphine Manufacturing Co. of New York have completed arrangements to hold a public test and demonstration, to prove the value of their new insecticide "Aphine," at the new store of Henry F. Michell Co., on Lincoln's Birthday, February 12, between the hours of 2 and 5 p.m.

The store of Leo Niessen Co. is headquarters for bulbous stock of all kinds, while such novelties as Pussy Willows, Daisies, Pansies and Acacia can be obtained at any time.

Thaddeus N. Yates & Co. are offering an exceptionally fine grade of table Ferns to the trade, at prices which should satisfy all. Their low offer is made in order to make room for their extensive Easter stock of plants.

Those who journeyed from this town to attend the A. C. S. convention at Pittsburgh last week, returned safely and are enthusiastic over the possibilities of some of the varieties of Carnations exhibited there. The only regret heard was that more growers and retailers do not take advantage of these exhibitions, for, apart from the vacation afforded by the trip, the educational advantages to be received are many, and the able papers read by well-known gentlemen of the trade were considered to be par excellence.

A. L. Jones of the S. S. Pennock-Meehan Co. visited Pittsburgh, and from there went to Elmira, N. Y., going by way of Harrisburg. He says that every one that can should take a trip somewhere to get away from the usual daily grind; a trip promises greater vigor, and renewed energy to those who try it.

L. S. Reuter of Westerly, R. I., and A. C. Brown of Springfield, Ill., stopped in this city this week. Mr. Brown is the gentleman who is handling Sangamo, the pink Carnation which gives promise of becoming one of the bread and butter varieties for the trade.

The S. S. Pennock-Meehan Co. are receiving shipments of the two Killarney Roses which eclipse all other Roses as regards stem, foliage and perfect buds.

The Spring show of the Pennsylvania Horticultural Society will be held in Horticultural Hall, March 15 and 16; in connection with the show the National Association of Gardeners will hold its annual meeting.

C. P. Chambers of Toughkenamon, Pa., is introducing his flathead Carnation pins, a device, on which patents are pending, useful in converting split flowers into A1 stock. At least that is the claim for it.

Regrets will be sincerely expressed by many in learning that "Nic" Clauser, the well-known employee of W. E. McKissick & Bros., is temporarily kept at home through having ruptured himself. All will join in wishing him speedy recovery.

Boston

The greatest event of the week was the Gardeners and Florists' banquet, which was held at Hort. Hall on Thursday, Jan. 27. It was a function that will be remembered among the craft for its good feeling and enjoyableness. Never, in the history of the Club members, had they enjoyed a more pleasant evening; everything was carried out in the very best manner, not a hitch from beginning to the end. There were over two hundred present, and it was a pleasure to see the faces of some of the largest growers in Massachusetts, with their wives and families, participating in this event. The caterer did his best and the decorations of the tables and hall were well carried out.

The president of the Club, John W. Duncan, was absent owing to sickness in his family. Peter Miller, the vice-president, made a few suitable remarks and introduced Wm. J. Stewart as toastmaster of the evening. The principal speakers were William Downs, John K. M. L. Farquhar, E. H. Wilson, E. O. Orpet, and Thomas J. Grey. The songs by Mr. Collins were greatly appreciated and the fancy dancing by a little Scotch maid was especially applauded.

At 10 p.m. the hall was cleared for dancing and both young and old joined in heartily. Dancing was kept up until the small hours of the morning. The men who were most often seen on the floor were: W. N. Craig, E. O. Orpet, Kenneth Finlayson and Joshua Lawson. Although these gentlemen wear very serious faces during business hours it was a pleasure to see them throw aside their cares for a few hours and join heartily in waltzes, two-steps and quadrilles.

H. W. Vose of Hyde Park is bringing some fine bulbous stock to the Park Street Market.

The Daffodils from Mann Bros. that they have been bringing to market this week are of exceptionally good quality.

W. H. Walsh of Woods Hole has been laid up for several days; his many friends wish him speedy recovery.

William Gardener, florist from Westboro, was in town a few days ago making arrangements for material to build a large greenhouse early in the Summer.

John Flood of Dedham has bought Mrs. David Fisher's greenhouses at Montvale, Mass., and will take possession of the same early in the Summer.

Mr. John A. Pettigrew, Superintendent of Parks, has been confined to the house for a few days, but now we are pleased to say he is able to be out again.

William R. Rich and Wilfred Wheeler represented the Mass. Hort. Society at the meeting and banquet of the Pomological Society at Hartford, Conn., Feb. 3.

On Feb. 16 William P. Rich is to address the Rhode Island Hort. Society at Providence. His subject will be "What the Hort. Society Stands For."

A. N. Pierson of Cromwell, Conn., is sending some excellent Lily of the Valley to market; in fact, it is the best seen this season. His White Killarney Roses are of the finest quality.

The lecture on Saturday, Jan. 29, at Hort. Hall was the best attended lecture of the season. The hall was packed although the weather was very unpleasant. When there is a practical subject, and one in which people take an interest, there is no difficulty in drawing a large crowd. The subject was "Apple Growing in New England as a Business" and E. Cyrus Miller of Haydenville, Mass., the lecturer, did justice to the subject. The discussion following the lecture was especially interesting. On Saturday, Feb. 5, Ezra Brainerd of Middlebury, Vt., will speak on "How New Races of Plants Arise Through Hybridization."

The wife of Wm. P. Rich has been very ill in the hospital but she is getting on nicely now and is doing as well as can be expected.

Snowdrops have been in bloom for the past week in sheltered nooks outofdoors at the Botanic Garden. The species in bloom are Galanthus nivalis and G. Elwesii.

R. C.

Cincinnati

Scarce is still the word, so far as Roses are concerned. Carnations are not plentiful by any means, but are more plentiful than Roses. Prices are still remaining firm.

The craft who attended the American Carnation Society's meeting in Pittsburgh have only praise for the manner in which they were treated by the Pittsburgh brethren. The exhibit, in spite of the dark weather we had, was said to have been the best in quality that has been staged in a number of years, the quantity possibly not quite so large. We notice that Cincinnati came in for her share of prizes and we are very glad that our friend Witterstaetter was still able to secure medals.

Begonia Peterson seems to be creating quite an uproar all over the country with Begonia Pride of Cincinnati, it being a very superior sort. The great trouble with B. Gloire de Lorraine, and which always has been, is that it will not remain good long enough after being sold to a cusomer. Pride of Cincinnati seems to have overgrown these defects, and can be sold with a reasonable guarantee that it will give satisfaction.

President Herr in his address before the A. C. S. strikes a keynote when he says that there should be a committee appointed whose business it is to make people in these meetings acquainted with each other. Of course, the old wheelhorses know everybody, and naturally they think everybody else is acquainted, but it is sociability in connection with the exhibits that should be shown.

There has been considerable said regarding the S. A. F. taking the auxiliary societies under her wing, and caring for them. This would be all right providing the S. A. F. would see to it that the shows were given at the different seasons of the year when the Carnation, the Rose, the Sweet Pea, and the Peony were at their best, and so on, as it would be impossible for all this at one season. This accomplished the auxiliary societies might then think something of coming under the mother wing of the mother Society.

I notice that our old friend C. W. Ward is still very much to the front with Mrs. C. W. Ward and Alma Ward. These two Carnations have been carrying away prizes for a number of years, and their sale when put upon the market certainly should be phenomenal; we also notice that these two varieties have stood the tests for all these years. It is pleasant to see that F. Dorner & Sons Co. are again coming to the front. They certainly have not been asleep for the past few years, and it would look as though they were starting in on a new line. If the Rose Society had as many enthusiasts as the Carnation Society it would undoubtedly do equally as well.

The Cincinnati bowlers meet January 31, for a little sociability.

E. G. GILLETT.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Jan. 24, 1910	Pittsburg Feb. 2, 1910	NAMES AND VARIETIES	Boston Jan. 29, 1910	Detroit Jan. 31, 1910	Cincinnati Jan. 31, 1910
to 35.00	40.00 to 50.00	Roses—A. Beauty, fancy—special	30.00 to 50.00	to	to 40.00
to 25.00	25.00 to 85.00	" extra	to	to	to
12.50 to 18.00	15.00 to 20.00	" No. 1	to	8.00 to 15.00	to
4.00 to 8.00	6.00 to 10.00	" No. 2	to	4.00 to 6.00	to 4.00
to	6.00 to 15.00	Killarney	4.00 to 18.00	to	to
to	6.00 to 16.00	White Killarney	4.00 to 16.00	to	to
to	6.00 to 10.00	My Maryland	to	6.00 to 15.00	8.00 to 12.00
4.00 to 8.00	6.00 to 15.00	Richmond	to 16.00	6.00 to 15.00	6.00 to 12.00
4.00 to 6.00	to	Perle	to	to	to
to	to	Golden Gate	to	4.00 to 8.00	to
4.00 to 8.00	to	K. A. Victoria	to	4.00 to 8.00	to
to 8.00	to 12.00	Bride, Maid, fancy—special	4.00 to 8.00	12.00 to 15.00	4.00 to 10.00
to 6.00	to 10.00	" extra	to	10.00 to 12.00	to
to 4.00	6.00 to 8.00	" No. 1	to	8.00 to 10.00	to
to	to 4.00	" No. 2	to	6.00 to 8.00	to
to 1.00	1.00 to 1.25	Adiantum	to	1.00 to 1.50	to 1.00
to	to	Antirrhinum, (per bunch)	to	to	to
to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	to	30.00 to 50.00	to 25.00
to 30.00	20.00 to 30.00	" Sprengeri, bunches	to	30.00 to 50.00	to
to	to	Bouvardia	to	to	to
to 12.50	to 12.00	Callas	to	to	to 10.00
to	to	Chrysanthemums	to	to	to
to	1.00 to 1.50	Carnations—Inferior grades, all colors	to	to	2.00 to 3.00
to 2.00	to 2.00	Standard Varieties: White	to	2.00 to 3.00	to
to 2.00	to 2.00	Pink	to	2.00 to 3.00	to
to 2.00	to 2.00	Red	to	2.00 to 3.00	to
to 2.00	to 2.00	Yellow and var.	to	to	to
3.00 to 4.00	to 3.00	*Fancy (*The highest grades of std'd vars.): White	to	3.00 to 4.00	to
3.00 to 4.00	to 3.00	Pink	to	3.00 to 4.00	to
3.00 to 4.00	to 3.00	Red	to	3.00 to 4.00	to
3.00 to 4.00	to 3.00	Yellow and var.	to	to	to
to	3.00 to 4.00	Daffodils	to	to 4.00	to
to .50	1.00 to 3.00	Daisies	to	to	to
to .25	to	Ferns, hardy	to	to .15	to
to	2.00 to 3.00	Freesia	to	4.00 to 6.00	to
to .20	to .12	Galax, green and bronze	to	to .12	to
2.00 to 3.00	to	Gardenias, per doz.	to	to	to
to	to 1.00	Lilac	to	to	to
to 12.50	12.50 to 15.00	Lilies, Harrisii and Longi	to	15.00 to 20.00	to
3.00 to 4.00	2.00 to 4.00	Lily of the Valley	3.00 to 4.00	3.00 to 4.00	to
to	4.00 to 6.00	Mignonette	to	10.00 to 15.00	to
to 3.00	to 3.00	Narcissus	2.00 to 4.00	3.00 to 4.00	to
to	60.00 to 75.00	Orchids—Cattleyas	to	to	to
to	to 15.00	Cypripediums	to	10.00 to 15.00	to
to	to	Dendrobium Formosum	to	to	to
to	.50 to 1.00	Pansies, per doz. bunches	to	to	to
2.00 to 3.00	2.00 to 3.00	Roman Hyacinths	to	to	to
to 1.50	1.25 to 1.50	Smilax, per doz. strings	to	1.50 to 2.00	1.00 to 1.50
to .20	to 1.00	Stevia, per bunch	to	to 2.00	to
to 1.00	.60 to 1.50	Sweet Peas, (per doz. bun.)	to	1.00 to 1.50	.75 to 1.00
to 3.00	3.00 to 4.00	Tulips	2.00 to 3.00	to 4.00	to
.50 to 1.00	.50 to .75	Violets, single	.50 to .75	.75 to 1.00	to 1.00
to	.50 to 1.00	" double	to	.75 to 1.00	to
to	to		to	to	to
to	ty		to	to	to
to	to		to	to	to

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Wholesale Prices of Cut Flowers, Chicago, Feb. 1, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	4.00 to 5.00
30-inch stems.. "	.... to 3.00
24-inch stems.. "	2.50 to 3.50
20-inch stems.. "	.... to 2.50
18-inch stems.. "	1.50 to 2.00
12-inch stems.. "	1.00 to 1.25
8-in. stems and shorts "	.75 to 1.00
Killarney	5.00 to 8.00
" extra	12.00 to 18.00
White Killarney	12.00 to 18.00
Richmond	7.00 to 15.00
My Maryland	5.00 to 12.00
Bride, Maid, fancy special	6.00 to 15.00
" extra	4.00 to 6.00
" No. 1	.... to 4.00
" No. 2	.... to 2.50
Perle	5.00 to 12.00
Chatenay	3.00 to 8.00
Kaiserin	.... to 8.00
Uncle John	.... to 10.00
Mrs. Marshall Field	.... to 8.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Bouvardia	2.00 to 4.00
Calla Lily	12.00 to 15.00
Chrysanthemums doz.	.... to ....
" fancy doz.	.... to ....
Daisies	.... to ....
Daffodils	4.00 to 6.00

CARNATIONS	
Standard Varieties: White	2.00 to 3.00
Standard Varieties: Pink	2.00 to 3.00
Standard Varieties: Red	3.00 to 5.00
Standard Varieties: Yel. and Var.	.... to ....
*Fancy (*The highest grades of Sta'd varieties): White	3.00 to 4.00
*Fancy: Pink	3.00 to 4.00
*Fancy: Red	3.00 to 4.00
*Fancy: Yel. and Var.	.... to ....
Ferns, hardy, per 1000	.... to 2.00
Freesia	3.00 to 4.00
Galax (green)	.... to 1.25
" (bronze)	.... to 1.25
Gardenias	30.00 to 50.00
Hyacinths, Roman	3.00 to 4.00
Lilac	.... to ....
Lilies, Harrisii and Longi.	12.00 to 15.00
Lily of the Valley	3.00 to 5.00
Mexican Ivy	.... to 1.00
Mignonette	4.00 to 6.00
Narcissus—Paper White	2.00 to 3.00
Orchids—Cattleyas	35.00 to 50.00
" Cypripediums	15.00 to 20.00
Pansies	.... to ....
Smilax	12.00 to 15.00
Stevia, bunch	.25 to .50
Sweet Peas	1.00 to 1.50
Tulips	4.00 to 6.00
Violets, single	.... to .75
" double	.75 to 1.00
	.... to ....
	.... to ....

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Chicago

Saturday was McKinley Day, which created a stronger demand in the Carnation line, and while the people around Chicago did not increase the demand to any extent, very few being worn in comparison to last year, some banquets and dinners given in honor of the occasion used Carnations entirely for decorations. More noticeable was the demand out of town, and the shipping orders consumed all Carnations, especially red ones, that were obtainable, the price for this time advancing to 5c. each.

The coal situation that has been such a serious question for some weeks past has been relieved. At present there seems to be plenty of coal available. The trouble was owing to the refusal of one railroad to accept cars from any road but its own, but this difficulty has been overcome and the roads at the present time are switching wherever desired, thus relieving the congestion of cars in many of the yards. The price has also fallen to a marked degree.

It is said by some of the wholesale dealers in Violets that it would be a good plan for each to contribute a few dollars and purchase an immense quantity of artificial flowers and distribute them among the girls working in the stores, factories and hotels, as this seems the one practical method to bring the people who wear flowers, especially Violets, to buying the natural flowers, for just as soon as the masses begin to wear artificial flowers, just so soon will the other class of people discontinue the use of them. Very noticeable indeed is the falling off in sales of Violets owing to the quantities of rag flowers used.

Action looking to the issue of $1,000,000 bonds for additional small parks was taken January 28 by the West Park Board. This sum is expected to buy and lay out three small parks, one to be located on the northwest side, one on the southwest side and the other near the center of the West Park territory. If the proposition carries there will be sufficient work for Jens Jensen, consulting landscape architect of the board, to considerably increase his income. When his salary was cut last week to $1000 it was with the understanding that he be paid extra for whatever new plans he draws.

A block of land bounded by Florence and Devey avennes and by Davis and Church streets in Evanston has been presented to that city, with $5000 to improve it for a park or playground and to run it for the first year. The gift was made by W. S. Mason, one of the heirs of the late James (Silent) Smith. The Evanston city council has accepted the gift.

A special assessment notice of the West Chicago Park Commissioners, issued to all interested persons, according to the law passed March, 1909, contains the following clause: "All lawn spaces shall be graded, filled with black soil and seeded. Trees shall be planted on the lawn spaces at various places where trees have perished, and where necessary and desirable in conformity with the uniform plan of the boulevard.

A pretty feature at the wedding of Miss Louise Walton and Emil Churchill Wettin was the decorations of Spring flowers, growing in pots and placed to resemble an old-fashioned garden, in compliment to the bride, who takes such an interest in her flowers at Lake Forest.

Miss Elizabeth Schneider, former retail florist at 105 Dearborn st., was married February 2, 1910, at Seattle, Wash., to John Lydig. Mr. and Mrs. Lydig will make Seattle their home. Congratulations are extended to the newlyweds.

A decided shortage in Jonquils is being experienced by all growers of these flowers. Nearly all purchased the bulbs from the same firm in Holland, all meeting with the same results, many blind bulbs being found in all benches.

August Jurgens is sending in a fine lot of novelty Tulips that he finds no difficulty in disposing of at a very fair price. Tulips are most acceptable at this period.

A beautiful display of Valentine boxes and requisites for St. Valentine's Day is to be seen at the A. L. Randall Co.'s store; this was followed up by a fine display of Dellwood gold boxes for which the company has the agency.

The J. B. Deamud Co. is receiving shipments from Stollery Bros. of Evanston, Ill., of La Reine Tulips that are remarkable both in coloring and quality. Some beautiful yellow Narcissus Soliel d'Or are also to be found at the store.

Winterson's Seed Store is in the hands of the painters and decorators and this week presents a general housecleaning appearance. The new decorations will add greatly to the appearance of the store, and put things in spick and span order for the Spring business.

Ed. Winterson arrived home from Pittsburgh on Monday much pleased with the trip. He was too busy to enter into details.

C. L. Washburn brought home a memento from Pittsburgh in the shape of an ulcerated tooth, the result of a cold contracted while there. Notwithstanding this Mr. Washburn says he is like the little girl who went to a party and had the "bestest time of her life." He says this is how he feels about his trip to the A. C. S. convention.

The report from Peter Reinberg's is that they have, so far, been able to fill all shipping orders, but could not begin to cope with the call for stock from the city trade.

Even from the Poehlmann Bros. Co.'s extensive plant the stock is consumed rapidly, many orders having to be refused owing to scarcity in all lines of stock.

Vaughan & Sperry are getting their share of the stock on the market, and state that while they seem to have practically nothing on hand it is surprising to see how high the receipts figure when stock is cleaned up.

The store vacated recently by Benthey & Coatsworth in the Atlas Block has been rented to a firm dealing in office fixtures. Mr. Coatsworth is busy this week removing the fixtures and stock from the store.

Sol. Garland of Des Plaines has not been in the best of health this Winter, being troubled with rheumatism.

Fred. Sperry, of Vaughan & Sperry, is again fully recovered and is attending to business.

Definite steps toward reclaiming for the city and the South Park System made lands along the South Shore, valued in the neighborhood of $500,000, were taken Monday night by the city council.

The West Park Commissioner has raised the salaries of most of its employees with the exception of that of Jens Jensen, whose salary of $2400 has been cut to $1000. Mr. Jensen will, however, be compensated for any extra work done for the Park Board. This was not, practically, a reduction of salary, as Mr. Jensen is relieved of many previous responsibilities.

The Executive Committee of the Chicago Horticultural Society will meet Feb. 4, at the Art Institute.

In last week's notes the item referring to an article on how to grow plants and vegetables by the aid of electricity should have been attributed to Mr. Leonard Kill, not Mr. Leonard as mentioned.

Bowling

The Florists' League bowled as usual last Thursday evening, January 27, at Bensinger's Alleys. Following were the scores:

CARNATIONS.			vs.	ROSES.		
700	771	728		737	759	695
VIOLETS.			vs.	ORCHIDS.		
636	776	725		721	734	754

St. Louis

The death of E. C. Burrows, last week, caused a shock to his many friends in the trade here. Mr. Burrows was at one time a member of the local Florists' Club and of the firm of Pilcher & Burrows, commission brokers. The funeral was held at Peoria, Ill., on Saturday, Jan. 29.

Alex. Halsted of the St. Clair Floral Co., Belleville, Ill., was a caller last week. Mr. Halsted reports they are cutting a fine lot of their 20th Century Carnation and also of Rose Pink Enchantress of the Lawson color. Mr. Halsted fell on the ice recently and broke his left hand, which is now on the mend.

W. C. Smith & Co. is receiving a lot of extra fine California Violets and an abundance of Carnations from their Kirkwood growers.

Fred Ammann of Edwardsville reports the Rose crop is very much off; still, he is sending some extra good quality stock to Kuehn.

The florists in the downtown districts did a big business Saturday, Jan. 29, McKinley Carnation Day. Foster, Otto Sanders, Riessen, Grimm & Gorley and Alex. Siegel say they had a big supply but cleaned up early.

In the West End, among those who have show houses, it is said the plant trade has been very good since the first of the year. Ellison, Weber, Windt and Kalish are all well stocked with fine blooming and decorative plants. On Grand ave. Waldbart, Ayers, Windler and Bergsterman are making extra fine window displays of plants and cut stock. All report good trade for the month of January.

The lease of the Michel Plant and Bulb Co.'s place was sold at auction on Monday, Jan. 31; it has seven years to run.

Don't forget the Florists' Club meeting next Thursday afternoon, Feb. 10. President Windler and Secretary Beneke say it will be a very interesting one and Treasurer Smith's paper on "His Troubles as a Wholesaler" will make them take notice. We are looking for a big delegation of suburban members at this meeting.

ST. PATRICK.

Insure Yourself Maximum Crops of Excellent Quality by Feeding and Nourishing Your Plants With

Evergreen Brand Fertilizer

Specially manufactured for growing Flowers, Ferns, Palms, Etc.

Its recommendation is based upon careful, extended and disinterested experiments; showing that this material is a nourishing, easily-available food for crops.

It consists of about half Animal matter and half Minerals, treated and refined; thus it is free from all deleterious substances and will not burn or injure the most delicate plant root, unless an extraordinary amount is applied at the same time.

It is immediately available, and its effect upon most crops may be noticed within six days after its application.

It prevents the onslaughts of plant disease or insect pests.

It will greatly benefit all greenhouse crops; notwithstanding the richness of the prepared soil, since it furnishes all the Plant Food elements in available forms and sufficient quantities to meet the needs of the plants.

It should receive careful attention, because its right use permits not only an economical utilization by the plant but a control of its growth; it may be used in such a way as to change the natural tendency, and thus improve it for specific uses; thus, in addition to the increase in yield which it produces, it enhances its market value.

Its uniform action seems to be to stimulate the capacity of the plant for absorbing water and developing foliage and stem growth, and to bring out numbers of new shoots; hence with Roses and other flowering plants, the best results are secured when this fertilizer is applied during the early growing period, as the energies of the plant are immediately concentrated upon developing its growth.

Can be used at any time during the growing season, dry or in solution.

Put up in 12-pound cans, price $2.00

For Sale by Leading Jobbers

D. D. JOHNSON COMPANY

Manufacturers

64-66 Wabash Ave., CHICAGO

VIOLET CULTURE

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.,

2-8 Duane Street, New York

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Not genuine without it.

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

All *our* bags have our guarantee tag on the bag, reading "Satisfaction or Money Back," and this trade mark

$3.00 per bag 100 lbs.

It costs 15 cts. to thoroughly fumigate a house 100x25.

We sell direct to the grower.

The H. A. Stoothoff Co.
Mount Vernon, N. Y

THE AMERICAN CARNATION

Price $3.50

A.T. DE LA MARE PTG & PUB CO. LTD

The Mastin Automatic White-Wash and Spraying Machine is Reliable, Practical and Durable

The tank is made of galvanized sheet steel, and in brass.
The pump is of brass throughout, simple and powerful.
The mixing device keeps the contents of the tank well stirred up from start to finish.
When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.
All parts are made to gauge, and may be had for repairs.
Ask your dealer about our **Extension Hose, Extension Rods,** and the **Mastin White-wash Nozzle** for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. Mastin & Co., 3124 West Lake St., CHICAGO, ILL.

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The Best BUG KILLER AND BLOOM SAVER

For PROOF Write to

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Owensboro, Ky.

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KILMDEAD

The best of all the tobacco dusts for Dusting or Fumigating

25 lbs., $1.00 — 100 lbs., $ 3.50 — 1000 lbs., $27.00
50 lbs., 1.75 — 500 lbs., 14.00 — 2000 lbs., 52.50

Stumpp & Walter Co. 50 Barclay St., New York.

Please mention the Exchange when writing.

Fulton, N. Y.

Trade is very satisfactory. Funeral orders have been large and plentiful, which business has kept stock worked up very close. Pot stock here, as in many other places, moves more slowly this year, for some reason; still the florists claim their trade is 100% better than last year.

G. W. Perkins has a very nice showing of Azaleas, Paper Whites, Primulas, etc. His Sweet Peas are very good.

O. Wetherby is very strong on Cinerarias and Primulas, which are a very good lot of salable stock. H. Y.

F.E.—Best Advertising Medium

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

The Week's Work

BY

FRITZ BAHR

Geraniums for Winter Blooming

In answer to several inquiries I have had as to the advisability of growing a good stock of Geraniums for Winter blooming to be sold in pots, I must admit that I am unable to see much advantage in this. I certainly can't imagine how any customer can, practically, prefer a flowering Geranium to an Azalea, Lorraine Begonia or Cyclamen at Christmas, as one writer claims; and especially is this out of place with the country florist. What good reason could any one have for such assertions? The Geranium is the greatest bedding plant we have today, and a few will be sold during the Winter months, and that is as it should be. The best Geranium ever grown when offered by the country florist or any other during the Winter months will be looked upon by the customer who has them as a lawn decoration during the entire Summer months as something common. No one should wonder at that in the least. What makes a Lorraine Begonia, Cyclamen, Poinsettia, Azalea or Erica so desirable during December but the fact that we haven't them with us the entire year. I admit there is certainly room for a greater assortment of blooming plants for Christmas, but Geraniums would not add any to what we grow. A customer may greatly admire a well grown Geranium—and by the way, it takes a good gardener to grow a good Geranium—but when it comes to selecting a plant for a Christmas gift, the choice will surely fall on something else. No, I cannot see where it would pay to grow them for this purpose. However, what I am in favor of and am certain it would pay the retail grower to do, is to grow a better quality of Geraniums for his Spring trade—even if not his entire lot, at least a part. There should be plants found at every place from Easter on up to Decoration Day which ought to retail at from 50c. to $1.50, even higher; that is the time of the year when there is a natural demand for the Geranium, and it is only a matter of educating the people to appreciate and pay for a superior article. If stock of this kind is shown it will find a buyer sooner or later. It doesn't make any difference where a florist might be located or what his trade might demand, there are bound to be customers, even if only a few, who are willing to pay a little extra for something out of the ordinary, and it is that kind of stock that it pays to grow, especially by the smaller grower—something which with just a little extra care and trouble, but with but little more handling, will bring twice and three times the price as ordinary grown stock.

Seeds

Reminders for the Retail Growers

Of the seeds to be sown by the average retail grower at this time, Lobelia, if short on them, ought to go out at once. It takes at least 12 weeks to get them into shape; they are very slow when grown from seed. For a dwarf, Crystal Palace compacta is still one of the best. Don't forget to work up a good stock of that splendid double one, Kathleen Mallard, it certainly is a good thing; this, of course, can only be propagated through cuttings. It is still time to sow out Begonias such as Vernon and Erfordii; they will make nice strong plants by May if kept moving. Myosotis palustris semperflorens, or Forget-Me-Not, if sown out now will give nice bushy plants by the end of April. Sow thickly and use good rich soil for the plants when transplanting them, and keep the stock in a cool house. Bellis perennis or English Daisy should also go out at once if blooming plants are wanted in Spring; they require the same treatment as the Myosotis. It is not too late to sow out Cyclamens; fine plants can be had from seed sown in February; they bloom a little later than those sown months ago and wont make as large plants, yet come very handy. If you have bench room, sow out some more Sweet Peas for Spring flowering, the ones which are in bloom or come into bloom now wont last until then, or at least are not to be compared with those sown out now during April and May.

Cannas

Proper Time to Buy, if Short on Stock

The Canna is one of the important plants which we use for bedding purposes, and only too often we find ourselves short on certain varieties long before the season is over; or, what is as bad, we sell every plant of at least the better sorts without setting aside a good number for stock, I know we have done it and think others are in the same fix. It is an awful temptation to have a certain lot of plants set aside for stock and have someone offer you a good price for them. One doesn't fully realize the folly of selling them until about this time of the year, when we come near the time to start the dormant roots. There couldn't be a better time than the present to buy if short on stock. Most growers and seed houses offering Canna roots have their assortments still complete, but it wont be long before some of the varieties, especially those known as the best bedders are gone. Another reason is that the sooner roots which you haven't got yourself under the bench or in the root house are started up, the better; the roots of Cannas do not improve when cut into pieces 5 to 6 inches long and are packed in boxes. The sooner they are taken out and put into soil the better. You can keep a Gladiolus or a Dahlia root without soil, nicely, for a much longer time than a Canna; to keep the latter in perfect shape it is necessary to have a good ball of soil surrounding the roots practically at all times, and the newer varieties or large flowering sorts are far more particular in that respect than the old standbys we used to grow for their ornamental foliage.

Pansies

Transplanting the Young Stock Twice Before It Goes Outside.

The young stock from seed sown about the middle of December is now ready to be transplanted. While we ought to grow the plants with as little handling as possible, it is hardly right to let them remain in the flats, into which they are being transplanted now, until the middle of April when they go out into the frames; a better way, by far, is to transplant them again into other flats about March 20. Of course, with the plants sown out now, or later, one transplanting is sufficient. While this extra work may be quite an item of expense to the grower who handles twenty or more thousand Pansies, the retail grower who uses only a few thousand will more than be repaid by this work. A Pansy when left growing in the seed box is like an Aster, it will bloom there if left long enough, but the little plants will be worth less. On the other hand the extra transplanting, I speak of, will help to make bushy plants and better plants in every respect. Why I talk about this second transplanting now is that the grower who intends doing this need not allow more than one inch of space between the seedlings when transplanting them at this time. It isn't, by any means, too late to sow out more seed now; there is plenty of time yet to do this and get nice plants by Spring.

Salvia

Propagation Through Cuttings

Perhaps no other plant the grower uses for bedding out has increased in popularity more than the Salvia. It is among the best paying plants the retail grower can handle. Good stock can be grown in a short time and it brings as much, if not more than a lot of other things we have to carry, therefore it deserves pushing. Those who grow their stock through cuttings will by this time have the stock plants in warmer quarters, where they will furnish great numbers of cuttings, which in sand with bottom heat root freely in a few days. It is remarkable the number of cuttings one good sized old plant will furnish. This manner of propagation is the only right one for named varieties of Salvias, especially Zurich, that grand dwarf sort, and best one of all the bedders, for no matter from what plants you may save the seed there is always a certain percentage of it which doesn't come true. Even with the other varieties of Salvias, such as Lord Fauntleroy, another good dwarf one, Clara Bedman or Ball of Fire, it is always best to grow them from cuttings, then you're sure they are true to name. What can be more disappointing than to plant out a large bed of Salvia of a certain variety and find by August a great difference in the habit of the plants, which will make the bed look unsightly—you are never certain when growing any of the above varieties from seed.

Plants Grown from Seed

With all the new sorts which have been introduced in the last few years, the old Salvia splendens still holds its own for mass effect in front of shrubbery, and even for solid beds it is still used in great quantities, and I suppose will be for some time to come. The real drawback about it is its late blooming, but when once in bloom we forget the fact that—or rather overlook it—this variety may as well be grown from seed, especially where thousands of them are grown. Seed sown now will produce splendid blooming stock by May; by blooming, I don't mean to say that the plants will keep on blooming when planted out, but each plant will have a fine spike of scarlet flowers when a customer makes her selection; and to anyone not familiar with Salvias it is almost impossible to sell them, unless the plants are in bloom when they are purchased. To grow Salvias from seed means that it is necessary to use good soil and a cool house; this will give you a stocky growth and dark leaves. Sow the seeds thinly—a little bottom heat will make them germinate quicker—and don't let the small seedlings remain too long in the seed boxes or flats; nothing is more easily stunted than a Salvia, plants should be kept moving at all times.

Southbridge, Mass.

This town has recently been brought into unfavorable notoriety. Through the efforts of its only florist, Allan H. Faxon, who has been connected with the Southbridge National Bank for years, running his florist's business as a side issue, a big defalcation was discovered. About one year ago, Mr. Faxon was transferred to the Southbridge Savings Bank. He has been hard at work on the books with the result that the bank treasurer was found to be a defaulter to an amount which may exceed $150,000. Bank examiners from Boston have now taken possession but Mr. Faxon is still retained to assist.

Southbridge looks to Worcester for most of her floral supplies.

CAROLUS.

Washington, D. C.

The dark weather which has prevailed throughout January instead of reducing local supplies of cut flowers seems to have increased them and especially is this true of Carnations, which have been abundant all Winter and in excess of demand.

Usually at this season social functions consume much of the good flowers, and an oversupply in January is about 60 days in advance of the season when the florist expects such conditions.

February 9 marks the advent of the Lenten season, when it may be expected according to custom, that the demand will again lighten.

JAS. L. CARBERY.

All the Clay

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Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

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Price per crate.				Price per crate.			
1500 2 in. pots in crate,			$4.53	120 7 in. pots in crate,			$4.20
1500 2¼	"	"	5.25	60 8	"	"	3.00
1500 2½	"	"	6.00	HAND MADE			
1000 3	"	"	5.00	48 9 in. pots in crate,			$3.60
800 3½	"	"	5.80	48 10	"	"	4.80
500 4	"	"	4.50	24 11	"	"	3.60
456 4½	"	"	5.24	24 12	"	"	4.80
320 5	"	"	4.51	12 14	"	"	4.80
210 5½	"	"	3.78	8 16	"	"	4.50
144 6	"	"	3.16				

Seed pans, same price as pots. Send for price list

Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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California—Around San Francisco

The holidays have come and gone and this has proved one of the best seasons the florists of San Francisco have had in years if it has ever been equaled. Every one was sold completely out and could have disposed of more. Supplies were hardly up to the ordinary, owing to rather colder weather than is usual about San Francisco Bay.

Conditions are fast settling themselves upon a more satisfactory basis for the florists. They have had a hard time of it during the three past years. First, the earthquake and fire, with the loss of both property and trade, and that at the best time of the year; then the rebuilding, with the trade scattered over three or four temporary centers and everything uncertain. And, last, the return to the old trade centers with very high rents. For several of the leading firms a narrow frontage means nearly twenty dollars a day for rent alone; still they are paying it and making good in the center of a finer San Francisco than ever before.

T. H. Stevenson, who was in the Palace Hotel before the fire, has a fine new store on Post st. near Market and reports good business.

This is a region where Geraniums, Fuchsias and Heliotrope grow untouched by frost for years, and the Calla grows out of doors so commonly that it is hardly valued at all. The very ease with which certain showy things can be grown has retarded really good gardening, for there is too much of a tendency to be satisfied with these easy things, a tendency which tends to monotony.

While the three years since the earthquake have been hard ones for the florists, the nurserymen have reaped a great harvest. This is especially true of ornamentals. People driven from the ruins of San Francisco sought homes in all of the suburbs, and came to like it so that when the time came that they could go back they preferred to stay. Planning and planting these new homes gave work to many and almost exhausted ornamental stocks. Palms that could hardly be given away four years ago cannot be had now.

Perhaps the greatest drawback to commercial flower growing in the Bay region of northern California is that it is too easy. For the most part, expensive houses are not necessary; for Roses and Carnations some heat must be used although very little, while for a world of other good things the out of doors is good enough.

The first commercial growers were Americans and Germans, then the Italians entered the field and, with natural aptitude and unceasing industry, soon became one of the great factors. Later came the Greeks and now the Japanese are worrying all of the earlier comers. The Jap is a lover of flowers and a natural gardener, yet from conversations with prominent florists I judge that they do not grow the best even of that flower that we all connect with their name, the Chrysanthemum. They are a factor in the trade that rather tend to spoil the market for really fine stock by asking too low prices for flowers that are hardly up to medium. Perhaps they will learn later but at present they do not make the florist any happier.

The favorite Christmas greens in the San Francisco market is the California Holly or Toyon. It is an evergreen closely related to the Photinia and the lovely bright red berries are at their best by Midwinter. The finest come from the dryer mountains of the interior as the fog is favorable to a scale which darkens the foliage. Great quantities are shipped in from Thanksgiving to Christmas, and are sold in every corner grocery and vended on the streets. There is probably no more graceful, and surely no sweeter smelling Christmas trees, than the young Abies Douglassi which comes into the San Francisco market by the carload. About all of this trade is handled by two firms who also supply Oregon Grape, the beautiful Mahonia of your gardens, and great quantities of Huckleberry. In California the Mahonia or Oregon Grape is green, but from Oregon come exquisitely colored forms that are as fine as any green known.

In cheap Ferns there is a good supply of the immense fronds of our native Woodwardia, which is often seven feet high and the very nice Dryopteris rigidum of our coastwise woods.

Mr. R. Lohrmann, who for several years has had the charge of the grounds at Mr. A. W. Foster's place at San Rafael, has opened a nursery at San Rafael and is prepared to do all kinds of landscape gardening. Mr. Lohrmann is a conscientious and skilled gardener and will succeed.

CARL PURDY.

New Haven, Conn

The Aphine Manufacturing Co. of New York have appointed the Frank S. Platt Co. selling agents for their new insecticide "Aphine" in this territory. This new insecticide for the very short time it has been on the market has most certainly gained much popularity among florists and the trade in general.

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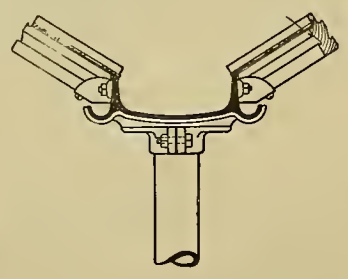

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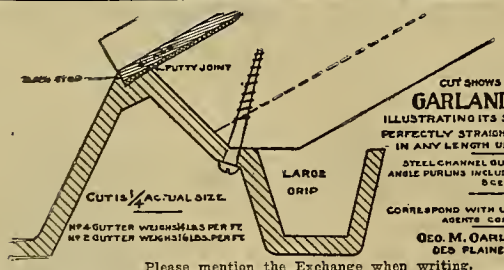

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Catalogs Received

THE CONNON FLORAL CO., Hamilton, Ont.—Wholesale Price List of Bedding and House Plants, Roses, Vines, Shrubs and Perennials.

SMITH BROS. SEED COMPANY, Auburn, N. Y.—Catalog of Vegetable and Flower Seeds for 1910. The publication embraces 32 pages and the cover is in colors, the front page bearing a representation of Sakurajima, the Giant Radish of Japan, the rear page one of Smith's Giant Flowering Asters and new Bouquet Asters. Illustrated.

W. W. BARNARD CO., Chicago, Ill.—Catalog for 1910, of Vegetable and Flower Seeds, Field Seeds, Bulbs, Roots, Perennials, Roses, Flowering and Ornamental Hardy Shrubs, Fruits, Ornamental Deciduous Trees, Implements, Garden and Greenhouse Supplies and Poultry Supplies. The publication contains 96 pages and appears within covers lithographed in colors, the front page bearing natural representations of tall branching Asters, the rear page Vegetable specialties and Hydrangea paniculata grandiflora. Illustrated.

W. W. WILMORE, Denver, Cal.—Dahlias for 1910. The annual catalog of a Dahlia specialist and very complete. Besides the list of novelties and standard varieties there is much information in regard to Dahlias which is of value. A new variety, Corona, is in the novelty section. This has been called the Carnation Dahlia. It is a miniature decorative form, white in color, and fully double, and judging from the illustration would seem likely to become a florists' flower. There are many other novelties which seem to appeal to the Dahlia enthusiast, and the publication should have a general circulation. The concluding section is devoted to a line of Gladioli, Peonies, Hardy Herbaceous Plants and Roses.

NORTHRUP, KING & CO., Minneapolis, Minn.—Twenty-sixth Annual Catalog of Sterling Seeds. A 136 page publication covering Vegetable and Flower Seeds, Bulbs, Roots, Ornamental Nursery Stock, Conifers, Flowering Plants, Fruits, Hardy Ornamental Shrubs, Hardy Herbaceous Flowering Plants, Peonies, Irises, Roses, Foliage and Decorative Plants, Grasses, Field Seeds, Implements and Supplies. The publication is profusely illustrated, and appears within handsome covers lithographed in colors, the front page bearing a design, in natural colors, representing the firm's Sterling Mixture of Single Poppies, and the rear page, also in colors, showing their early Minnesota Tomato and Sterling Cucumber; the inside pages carry a lawn view, and a representation of Roses, also in natural colors.

FREDERICK W. EBERLE, 112 South Pearl st., Albany, N. Y.—Catalog for Spring, 1910, of Vegetable and Flower Seeds. This is a 56 page publication printed on unusually fine paper, handsomely illustrated, and bound within covers decorated with designs in half tone, the front page showing Eberle's Mammoth White Verbena and the rear page a beautiful lawn view showing results obtained with Eberle's Special Lawn Grass Seed. The publication opens with an announcement by Mr. Eberle that the firm of Sherman & Eberle has recently been dissolved by mutual consent, and that he has purchased the business and will continue it with the help of the clerks and salesmen who were connected with the late firm. The catalogued line of Vegetables opens with Peas, among them Alderman and Defiance, varieties of recent introduction. Among the other specialties illustrated and described are Early Velocity Sweet Corn; the new Tomato Royal Globe; the Muskmelon Selected Surprise; and selected Arlington White Spine Cucumbers. The regular line of Vegetable Seeds, is well set out, each variety accompanied with cultural directions. The list of flower seeds is well chosen, and the illustrations of the different varieties are both large and artistic. Two pages are devoted to Hardy Dormant Roses, and goodly space to roots and bulbs. A line of implements, tools and horticultural requisites occupies the end pages.

THE McGREGOR BROS. CO., Springfield, O.—McGregor's Floral Gems for Spring of 1910. A 112 page Catalog devoted almost wholly to specialties and staples in floral supplies. Twenty-seven pages are devoted to Roses and the line is a most complete one and is seen contains many of the most desirable Roses of late introduction. Begonias, Chrysanthemums, Carnations and Cannas are all subjects of sections of the Catalog. Four pages are devoted to decorative Palms and Ferns, the latter including most of the newer varieties and many of the kinds suitable for dishes and boxes. There are four pages devoted to Geraniums and one to Fuchsias. The plant section, generally, is very large, and includes practically everything that can be shipped on "roots." Seven pages are taken up with Flower Seed Novelties and Specialties, among which are new Phloxes, Poppies, Stocks, Dahlias, Verbenas, Pansies and Asters. The general list of seeds is, as usual, quite extensive. Color plates show six varieties of improved garden Carnations, and six Japanese Chrysanthemums. The publication appears in handsome lithographed covers, the Rose Marechal Neil embellishing the front page, and six garden Roses the back page; the first inside page carries representations of Cannas, and its companion page flowering and fruiting vines; all these subjects appear in natural colors. The inside pages are profusely illustrated.

S. M. ISBELL & CO., Jackson, Mich.—Catalog of Isbell's Northern Grown Seeds, for 1910. This publication, which contains 104 pages covers Vegetable and Flower Seeds, Bulbs and Roots almost entirely. The larger portion of the book is devoted to Vegetables, and the line described is both complete and extensive. Twenty-four pages are taken up with novelties and specialties, among which are Isbell's New Big Dwarf Tomato, a new variety found in a field of Ponderosa and introduced for the first time; new varieties of Corn, Beans, Beets, Cabbage, Cucumbers, Lettuce, Muskmelons, Peas, Radish, and Peppers. The general list of Vegetables is very extensive, with descriptions more than ordinarily full. Grasses and Farm Seeds occupy a number of pages. In floral novelties there are new Verbenas, Poppies, Stocks, and the Gaiety Spencer Sweet Pea; a new flowering Bean called The Butterfly; a new Mexican Zinnia called Gypsy Girl, dwarf in growth and very floriferous, flowers bright yellow broadly blotched brownish red; the new Salvia Mountain Beauty; the new Mikado Pink Aster and Dianthus Velvet Queen. The general list of flower seeds is very full and comprehensive; and the list of bulbs and roots meets ordinary requirements. Garden requisites, poultry supplies and fertilizers occupy the concluding pages. The catalog is well illustrated, and is found in lithographed covers the front page bearing representations of Corn, Muskmelon and Tomato novelties; the rear page flower and vegetable novelties.

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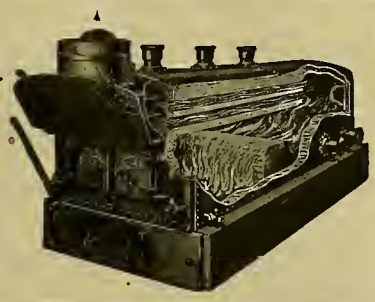

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Jamesville, N. Y.

Friend T. M. Miller and his staff were as busy as bees when I dropped in there recently. Trade is and has been remarkably good with him right along; funeral orders have been very plentiful. He is pleased with his new water plant, which has entailed a heavy outlay but will pay for itself in a few years. The show house is quite attractive with Azaleas, Begonias and bulb stock; the Carnations and Callas are looking good; the latter are a remarkably good lot, one bloom I saw measured over eight inches across.

The bedding stock is very large and looks good. The beautiful pink seedling Geranium I have mentioned before will be shown at the S. A. F. convention at Rochester, and I am sure all will agree that, my estimation of it has not been overdrawn. H. Y.

Albany, N. Y.

The past week business has been rather dull; not very much has been going on, plenty of stock of all kinds on hand but little ready sale for it. Bulbous stock of all kinds is coming in plentifully and Azaleas and other pot plants are also plentiful. McKinley Day was well observed here, plenty of Carnations being worn by pedestrians, but the weather was very stormy, snowing all day but warm enough to wear the flower for the day.

The decorations for the dinner of the Albany County Republican Organization to be held on February 17, at Odd Fellows' Hall have been booked by H. G. Eyres.

A. D. Wemple and wife are rejoicing over the arrival of a nine-pound daughter; both mother and daughter are doing well.

John Thomas Travison of the store of F. A. Danker has taken to himself a bride; the wedding took place on Sunday morning, January 23, and he has the congratulations of all the craft.

The Albany Florists' Club will hold its regular meeting on Thursday evening, February 3, and an interesting meeting is looked for. W. C. K.

Buffalo, N. Y.

Visitors to the convention from this section were Mr. and Mrs. W. J. Palmer, Mr. and Mrs. Wm. F. Kasting, and Barney Myers. All report having a good time and the convention and exhibition the best ever.

McKinley day seems to grow smaller in interest from the retailers' point of view each year. The Relief mission of this city has been selling Carnations on the streets for the last two years on this day. It has quite a few ladies who work for charity. Their plan is to take all the money they can get for a Carnation, with the motto "none too large and none too small," and the newspapers credit them with getting as much as $1,800 for the one day's work. How many Carnations they buy or sell I am not able to ascertain, but the local florists held up the price to 10c., which I think is a little high to get the multitude to buy.

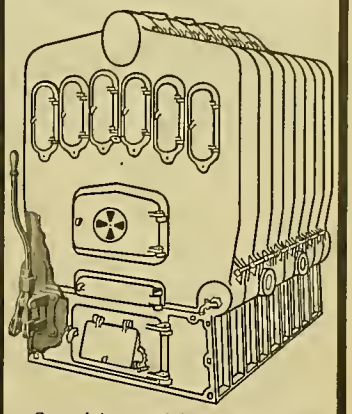
The Florists' Bowling Club has new alleys that its members are using, and which are a treat to bowl upon. Everybody seems pleased that the committee has made a change in the location. The attendance is satisfactory, although there is always room for more, and those attending form a very congenial crowd, as anybody will find who will attend.

President Slattery will read his paper at the next Club meeting sure, as the press of business is over he has had more time to devote to his paper, the members are looking forward to a paper of great merit.

Joseph Sangster is very well satisfied with business in his new store on Jefferson st., and since devoting his time to it has noticed the increase in business.

Robt. Scott will be laid up for another month with his leg, which he was unfortunate enough to injure. His leg is now in a plaster cast and will have to remain thus for another month. W. H. G.

The Burnham



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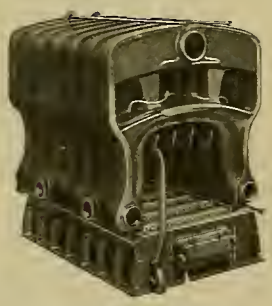

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PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.
Send for Circulars DILLER, CASKEY & KEEN. Successors to JENNINGS BROS.
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Write to us about your
Materials and Plans
for any size and style of
GREENHOUSE
for new structure or repairs.
Hot-Bed Sash
in stock or any size required.
Pecky Cypress Benches
most lasting—least expensive.
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Standard Greenhouse Boilers
One cent gets our catalog.
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ALL SIZES
16x24 A. & B. Double a Specialty
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10 Desbrosses St., New York

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Holds Glass Firmly
See the Point
PEERLESS
FULL SIZE No 2
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.
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Greenhouse Material
STRICTLY RED GULF CYPRESS, milled to any detail.
SASH BARS, in all lengths up to 32 feet.
HOT BED SASH, a specialty.
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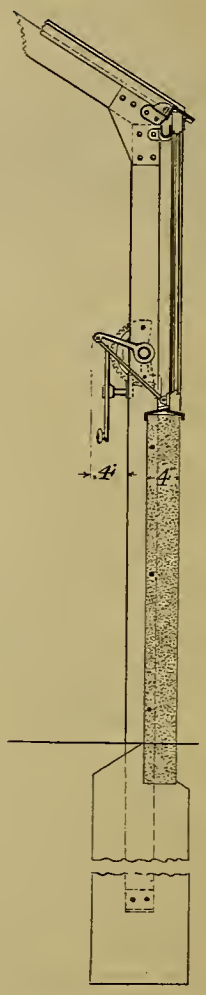

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Such a combination reaches the very highest point of greenhouse indestructibility. Glazing bars, vent sash, ridge and doors is practically all the wood there is, as even the sill is a special one of Cast Iron.
Such a house, built such a way, is not a luxury; it is an out and out investment of the goodly paying kind. Pays because you don't have to keep on paying to make it pay.

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For Good Serviceable SECOND-HAND PIPE
Our prices are—1 in. pipe, $2.52; 1¼-in., $3.55; 1½-in., $4.05; 2-in., $5.55; 2½-in., $8 50; 3-in. $11.00 per 100 feet. We also sell Boiler Tubes.
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Preliminary Schedule of the National Flower Show at Boston, 1911

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 7 — NEW YORK AND CHICAGO, FEBRUARY 12, 1910 — One Dollar Per Year

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of the different varieties of

NEPHROLEPIS

which will be found one of the best-selling and most profitable plants that florists can handle. Our stock is in unusually fine shape, and we will guarantee it will please the most exacting, as it is exceptionally good value at the prices quoted.

Improved Elegantissima. The finest of all this type. It was introduced by us in 1905. This form of Elegantissima has been greatly improved, and shows no tendency to revert to the Boston, making it the most valuable fern of this type.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8-in., $12.00 to $18.00 per dozen—according to size.

Superbissima. Introduced by us in 1908. A very unique and distinct novelty. Its distinguishing characteristics are its dark green foliage and dense growth. Fronds are very heavily imbricated, making them very dense and compact.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8 in., $12.00 to $18.00 per dozen—according to size.

Bostoniensis, Piersoni, Whitmani, Scottii—Extra fine plants, 6-in. pots, $6.00 per dozen; 8-in. pans, $12.00 per dozen.

F. R. PIERSON CO. Tarrytown-on-Hudson, New York

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A. N. PIERSON, Inc. Cromwell, Conn.

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WHITE KILLARNEY (Waban Strain)

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.50 "	8.00 "	75.00 "

KILLARNEY

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

MY MARYLAND

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	6.00 "	50.00 "

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Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

NEW CARNATIONS

From 2¼-inch pots. Immediate Delivery.

Alma Ward, $3.00 per doz., $5.00 for 25, $10.00 for 50, $16.00 for 100.
Mrs. C. W. Ward, $2.00 per doz., $14.00 per 100.

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The best of the new ones and the best of the standards. Commercial varieties exclusively. We are booking orders for both rooted cuttings and plants from pots for February and March delivery.

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Coleus, Salvia, Alternanthera, Heliotrope, Ageratum. Now ready.
Send for catalogue

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I am now booking orders for Rose stock. Have exceptionally fine plants to offer this season, the scions having been taken from good, strong flowering wood and grafted on extra selected Manetti stocks. My own root stock is also in first class condition and includes the following varieties:

Killarney, Richmond, White Killarney (Waban strain), **My Maryland, Kaiserin, Bride and Bridesmaid.**

Send for prices.

W. H. ELLIOTT

BRIGHTON, MASS.

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OUR Geranium Catalogue is recognized as the Book of Geraniums, and will be found very interesting to any one who is in any way interested in Geraniums. Free to the trade. We do not send out Rooted Cuttings, only plants from 2-inch pots. Our price for good standard varieties from 2-inch pots is $2.00 per 100, $18.50 per 1000.

Our Special Collection of 1000 from 2-inch pots for $18.50 per 1000 in 20 of the very best distinct semi-double varieties, is a collection that will rank second to none in the country; the same number of varieties in 3-inch pots for $25.00.

One each of 50 varieties European 1909 Novelties, our selection, for $5.00.

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VARIEGATED GERANIUMS, 5 Varieties	3.00 "
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DOUBLE LOBELIA, Kathleen Mallard; ALYSSUM, Giant and Dwarf Double; LEMON VERBENAS; FUCHSIAS, 6 Varieties; SALVIA, Bonfire; PETUNIAS, Double Mixed; COLEUS, Golden Bedder and Verschaffeltii; Parlor Ivy: 2-in. pots, $2.00 per 100, 3-in. pots, $3.00 per 100.

HARDY CHRYSANTHEMUMS. We have the largest collection in the country. $2.00 per 100 from 2-in. pots, not less than 5 of a kind.

CANNA ROOTS. Strong division, $1.75 to $2.50 per 100, $18.50 per 1000.

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Cash With Order. Visitors Always Welcome.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MARYLAND

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Contents and Index to Advertisers, Page 255

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	100	1000
Clean, bright bulbs, 4-6.	$1.00	$8.00
CALADIUMS, medium .	8.00	
BEGONIAS, SINGLE, white, red, rose, yellow, orange	2.50	
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GLOXINIAS, separate colors.....	3.50	
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	Trade Pkt.	Per Oz.
AGERATUM, Imperial Dwarf Blue.....	$0.10	$0.20
ASPARAGUS PLUMOSUS NANUS.....1000 seeds $3.50		
ASTER, Perfection, in colors.....	.25	1.25
BEGONIA Vernon	.25	2.50
BELLIS PERENNIS, named sorts.....	.25	1.25
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COBÆA SCANDENS	.15	.40
CYCLAMEN GIGANTEUM, in colors....100 seeds $0.75		

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42 Vesey St., NEW YORK

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Our stock of these bulbs are the best and finest strains in existence; we have been supplying the same customers for the past ten years with our strains, and adding new customers each year.

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SINGLE

Scarlet ... 1¼ to 1½ in.
Dark Red
Pink .....
Rose .....
White ....
Yellow ...
Orange ...
Salmon ...
Mixed ....

40c. per doz. — $2.50 per 100

DOUBLE

White ....
Yellow ....
Orange ...
Rose .....
Dark Rose
Dark Red
Red .....
Salmon ...
Mixed ....

65c. per doz. — $5.00 per 100

Stumpp & Walter Co. 50 Barclay St., NEW YORK

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LOBELIA, Pumila Splendens, dwarf, very dark blue, finest of all the Lobelias; pkt. 20c.

SALVIA, Wm. Pfitzer, extra fine, dwarf, very fiery red. Trade pkt. 25c.

ALYSSUM COMPACTUM, most dwarf and compact variety grown, perfect balls when grown in pots, pkt. 20c.

PETUNIA STAR, improved, finest marked flowers, very fine, pkt. 20c.

PETUNIA, GIANT, single fringed large and fine, pkt. 20c.

PHLOX DRUM. PUMILA, very dwarf, grand for pots, fine color, pkt. 20c.

CHINESE PRIMROSE, finest grown, single and double, mixed, 500 seeds, $1.00; ½ pkt. 50c.

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VERBENA, Improved Mammoth, finest giants grown, mixed or separate of white, scarlet, pink, striped and auricula-eyed. Large trade pkt. 25c.

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THE REAL THING! GREEN.

Very fine and strong; ready for immediate shipment; perfect beauties. Per 100 $4.00, 50c. per doz. postpaid.

CASH. Liberal extra count.

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Not Too Late

TO PLANT

GLADIOLI

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Booklet containing suggestions on *Forcing Gladioli* free on request

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Floral Park, N. Y.

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LILIUM TENUIFOLIUM

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Single and Double TIGERS

Named Varieties of Elegans

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Extra Dutch Bulbs Extra

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Our usual high grade quality. Also cold storage pips. Prices on Application.

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by the oz. or lb. — 150,000

The Jennings Strain, fine field-grown plants, large-flowering, in great variety of fancy colors. Strong plants for cold frames, $3.00 per 1000, by express, 60c. per 100 by mail.

PANSY SEED, finest mixed, $5.00 per oz., $1.00 per pkt. of 4000 seeds. Sample of Pansy blooms by mail free.

SALVIA, Splendens and Bonfire. My Own Growing. Trade pkts. 25c. and 50c. each.

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ALL COLORS

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Fiske's Branching in all colors. Tr. pkt. 40c., oz. $4 00.

Pure White, tr. pkt. 50c., oz. $5.00.

Also **Beauty of Nice** strains.

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SPLENDID SEED OF

Phoenix Roebeleni

JUST ARRIVED

Price on application to

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FLOWER SEEDS

Catalogue free on application

Stamp letters 5 cents; foreign post cards 2 cents

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Seed Grower — Quedlinburg, Germany

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F. E.—The Best Advertising Medium

Superb Asters
For Florists

The highest developed types from the leading American and European specialists.

QUEEN OF THE MARKET

		Tr. pkt.	Per oz.
Dark Blue....	Three weeks earlier than other Asters	$0.20	$0.60
Light Blue...		.20	.60
Pink.....		.20	.60
Crimson.....		.20	.60
White.....		.20	.60
Mixed.....		.20	.60

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Flowers measure four to five inches across.

	Tr. pkt.	Per oz.
Azure Blue	$0.26	$1.25
Bride. White changing to Rose	.25	1.26
Crimson	.26	1.25
Pink	.26	1.25
White	.30	1.60
Mixed	.20	1.00
Snowdrift. Pure white. The earliest large flowering White Aster	.30	2.50
Violet King	.25	1.60
White Fleece. Pure White	.30	1.76
Vick's Branching. White	.25	1.00
Vick's Late Branching. Sep. colors	.25	1.00
Daybreak. Delicate Pink, very double	.30	1.75
Purity. Pure White	.30	1.76
Lavender Gem	.30	2.25
Royal Purple. Early, invaluable for cutting	.25	1.50

Write for our complete Flower Seed List for Florists, just issued.

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CALADIUM esculentum, Fancy Caladium from Brazil. GLADIOLI, all sorts. Japan IRIS. Japan LILIES. Double-flowering CHERRIES for Easter. Send for our new Spring list. Ready by January 10.

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Stokes' Standards are Always the Finest Strains

Tomato, Bonny Best Early, the finest tomato for forcing known; better than the Comet or Lorillard. Seed specially saved for greenhouse growing. Pkt., 20c.; ½ oz., 75c.; oz., $1.26.

Radish, Prussian Globe, ¼ lb., 20c.; lb., 60c.

Radish, Stokes' Scarlet Globe, ¼ lb., 20c., 1 lb., 60c.

Lettuce, Grand Rapids Forcing, oz., 10c.; ¼ lb., 36c.; lb., $1.25.

Lettuce, Stokes' Big Boston, oz., 10c.; ¼ lb., 36c.; lb., $1.26.

Add postage, 8c. per lb., if wanted by mail.

Let me estimate on your Spring requirements for vegetable seeds.

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	Per 100		Per 100
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Allemania	1.20	Mad. Crozy	2.00
Alba Rosea	1.20	Metallica	1.20
Alph. Bouvier	1.60	M. Washington	2.25
Alsace, white	1.50	Mont Blanc	4.50
Beaute Poitevine	1.75	Musaefolia, new	1.50
Buttercup, new	1.50	Mrs. K. Gray	1.50
Burbank	1.20	Niagara	2.50
Black Prince	1.80	Papa Nardy	2.00
Black Beauty	2.60	Pennsylvania	1.50
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Coronet	1.20	Pres. Meyers	2.00
Chas. Henderson	1.60	Queen Charlotte	2.25
Crimson Bedder	2.00	Richard Wallace	2.50
D. of Marlboro'	2.00	Robusta, red	1.50
Duke of York	2.00	So. d'A. Crozy	2.25
Expl. Crampbel	1.50	Shenandoah	1.75
Egandale	1.50	Sec. Chabanne	2.00
Express, dwarf	2.00	Venus, new	3.00
Flor. Vaughan	1.80	Wm. Saunders, new	10.00
Gladiator, new	2.25	West Grove	1.80
Gladiflora new	10.00	Wm. Boffinger	1.60
Italia	1.75	Sep. colors mix.	1.00
King Humbert	4.50	All kinds mxd.	.70
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Fertilized Flower Pots

Made of Extra Heavy Manila Waterproof Card Board, Fertilized, Wire Stitched Seams, Perfect Drainage and Shipped Flat.

If you grow Tomatoes or Pot Plants you cannot afford to pass over this.

These square pots economize space, give more room to the roots than the tapering round pots. In setting out plants the pots are not removed. Simply unlock the bottom flaps and turn them up (see cut), allowing the roots to grow down.

Size	Gross Weight Per 1000	250	1000
2¼ inch	about 30 lbs.	$1.00	$3.00
3 inch	about 40 lbs.	1.60	4.60
3½ inch	about 60 lbs.	1.75	6.60

In setting out plants unlock the bottom, pull pot up one inch and you have a wall to protect the roots against Grubs and Worms.

STUMPP & WALTER CO.
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LARGE-FLOWERING BEGONIAS

Our stock of these bulbs embraces the best and finest strains in existence.

SINGLE VARIETIES
1¼ to 1½ in. bulbs.

	Doz.	100
Scarlet	$0.35	$2.26
Dark Red	.35	2.25
Pink	.35	2.26
Rose	.35	2.25
White	.35	2.26
Yellow	.35	2.26
Orange	.35	2.26
Salmon	.35	2.26
Single Mixed	.35	2.25
Double Mixed	.60	4.60

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CABBAGE SEED

MANGOLD, SWEDE, TURNIP SEED

LILY OF THE VALLEY PIPS

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Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
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60,000 GLADIOLUS BULBS

¾ to 1¼ at $2.00 per 1000. 1¼ to 1½, $4.00 per 1000. 1½ and up, $5.00 per 1000. Mixed Culurs Gandavensis and Lemoine. All kinds of Vegetable Plants. Contract growers of Tomato and Pepper Seed; and Asparagus Roots.

. & J. L. LEONARD. Ions, N. J.

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LANDRETH SEEDS which SUCCEED

Bloomsdale Farms **Bristol, Pa.**

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FLOWER SEED

ASPARAGUS Sprengeri. Per 1000 seeds, 75c.

PETUNIA, Large Flowering Double Fringed. Trade pkt. $1.00. Single Fringed. Trade pkt. 60c. Single California Giants. 50c.

SALVIA Zurich. Oz. $5.00. Triumph. Oz. $6.00.

MOONFLOWER. White seed, 36c.

FRESH TOBACCO STEMS. Bale of 300 lbs. $1.75, ton $9.00.

W. C. BECKERT
SEEDSMAN
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NEW CROP

Flower and Vegetable Seeds
FOR FORCING

Lobelia Crystal Palace Compacta. Salvia Splendens and Bonfire. Centaurea Gymnocarpa. Begonia Vernon. Cobaea Scandens. Dracaena Indivisa. Mignonette, New York Market. Primula Chinensis. Schizanthus Wisetonensis.

Tomato "The Don." Onion "Alisa Craig."

Mushroom Spawn, English and Pure Culture.

Special prices on application.

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CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
PANSY—"Burnett's Gorgeous Strain."
STOCKS—"Burnett's Perpetual White."
CAULIFLOWER—Burnett's Selected "Snowball."

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Telephone 2223 Cortlandt

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Correspondence Solicited.

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BOSTON, MASS.
SEEDS
For Florists, Market Gardeners and Critical Buyers
Wholesale list mailed to those asking seeds in quantity

Please mention the Exchange when writing.

BURPEE'S SEEDS
PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

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"NOT HOW CHEAP— BUT HOW GOOD"

RALPH M. WARD & CO.
12 West Broadway—New York

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IMPORTS, ETC., Jan. 31.—P. Henderson & Co., 94 packages seeds; Star Union Line, 13 bags seed; Lehigh Valley R. R., 19 bags seed; Merchant's Dispatch T. Co., 11 packages seeds; Lunham & Moore, 21 bags seeds; McHutchison & Co., 87 cases plants; Sheldon & Co., 198 cases plants; American Express Co., 112 cases seeds; H. F. Darrow 165 bags seeds. Feb. 1.—Davies, Turner & Co., 1 case seed; Decorative Plant Co., 3 cases plants; H. F. Darrow, 183 packages Lily crowns; O. G. Hempstead & Son, 1 case plants; J. W. Hampton Jr. & Co., 1 bag Clover seed; Maltus & Ware, 50 cases Lily roots; Maltus & Ware, 4 bags seed; F. R. Pierson Co., 20 cases Lily of the Valley pips; Vaughan's Seed Store, 1 case seeds; American Express Co., 19 cases plants; Lunham & Moore, 13 bags seeds; F. B. Vandegrift & Co., 4 bags seed. Feb. 2.—Vaughan's Seed Store, 3 cases bulbs; H. F. Darrow, 2 cases seeds; F. Vandegrift & Co., 2 cases Palm seed; E. A. Morris Express Co., 1 case plants; Maltus & Ware, 2 cases bulbs. Feb. 3.—McHutchison & Co., 59 cases plants. Feb. 4.—Schall & Ruckgaber, 250 bags seed; Heidelbach, Ickelheimer & Co., 250 bags seed. Feb. 5-6.—P. Henderson & Co., 4 cases seeds. Feb. 7.—Braslan Seed Co., 12 bags seed; Thomas Meadows & Co., 6 packages seed; P. J. Goodwin's Sons, 12 packages seeds; McHutchison & Co., 11 cases seed; H. F. Darrow, 24 packages seeds; Woodhaven, L. I., 200 pounds Radish seed, 100 pounds Spinach seed, 50 pounds Beet seed, 20 pound Lettuce seed, 10 pounds Borage seed, 40 pounds Parsley seed.

European Notes

The weatherwise in the olden time were wont to say: "As the days lengthen the cold doth strengthen," and, thus far, their weather wisdom appears to be very well founded, for yesterday, Jan. 27, was the coldest day experienced in northern Europe for a very long time, zero readings being very numerous. Only in the far North was there any great fall of snow, so that our growing plants have had to bear the full severity of the cold and for this they are very ill prepared. The past twelve hours have witnessed a sudden and complete thaw to the accompaniment of storm and flood; changes like these test both health and temper, and many of our strong ones are being laid low.

Universal sympathy will be extended to our Paris confrères who are passing through a terrible experience just now.

RAWSON'S RENOWNED SPECIALTIES

FOR FLORISTS

DAHLIAS

To clear a large surplus, we give Florists the first opportunity to purchase some of our latest Dahlias at remarkably low prices. The following list is only an extract from Rawson's florists' catalogue.

Cactus Dahlias

	Per 10	100
Alfred Vasey, pink	$0.75	$6.00
Alpha, white, striped crimson	1.00	8.00
Ambassador, pure white	1.00	8.00
Amos Perry, scarlet	1.00	9.00
Antelope, yellow	.75	6.00
Aschenbroedel, pink	.90	7.00
Blutenregen, scarlet	.75	6.00
Boroemann's Liebling, pink	1.00	9.00
Brautjungfer, pink	1.00	9.00
Charm, pink	1.50	12.00
Citizen, maroon	1.20	10.00
Clara G. Stredwick, pink	.85	7.00
Comet, pink, striped red	.75	6.00
Country Girl, golden	1.20	10.00
Crayfish, scarlet	1.00	9.00
Crepuscule, orange yellow	1.00	9.00
Dainty, yellow and pink	1.00	9.00
Das Marchen, pink	1.50	12.00
Delicata, blush	1.00	9.00
Die Unschuld, cream	1.20	10.00
Edith Groom, white	.75	6.00
Else, salmon pink, suffused yellow	1.00	9.00
Feopee, crimson	1.00	9.00
Feronia, soft pink	1.20	10.00
F. H. Chapman, yellow and orange	1.00	9.00
Floradora, crimson	1.00	9.00
Gaillard, deep red	1.00	9.00
Gladiator, deep apricot	1.00	9.00
Goldfasan, apricot	1.00	10.00
Grenadier, orange pink	1.00	9.00
Harbor Light, vivid orange	.90	7.50
Helene, pink	1.00	9.00
Holsatia, orange scarlet	1.00	8.00
H. Shoesmith, crimson scarlet	1.00	9.00
H. W. Sillem, scarlet	1.00	9.00
Imperator, crimson	1.00	8.00
Ivanhoe, straw color	1.00	9.00
J. H. Jackson, maroon	1.00	9.00
Kriemhilda, pink and white	.50	4.00
Lauretta, yellow edged rose	.75	6.00
Laverstock Beauty, vermilion	.90	7.50
Lovely Eynsford, amber	1.00	9.00
Miss Dorothy Oliver, white	1.00	9.00
Mrs. De Loca, yellow	1.00	9.00
Mrs. H. Shoesmith, pure white	1.20	10.00
Oliver Twist, scarlet	1.00	9.00
Orion, rosy mauve	.90	7.50
Persephone, white	1.00	9.00
Phineas, scarlet	1.00	9.00
Pink Pearl, pink	1.00	9.00
Pink Perfection, rose	1.00	9.00
Princess, deep pink	1.00	9.00
Rainbow, soft pink	1.00	9.00
Roland von Berlin, scarlet	1.00	9.00
Rosen Superba, pink	.90	7.50
Rosy Morn, peach color	1.00	9.00
Ruby, crimson	.75	6.00
Schone Rose, deep rose	1.00	9.00
Schwan, pure white	1.50	12.00
Standard Bearer, crimson	1.00	9.00
Stella, crimson	.75	6.00
T. G. Baker, yellow	2.00	16.00
Wm. Cothberison, bright rich crimson	1.00	9.00
Wonderkind, delicate pink	1.00	9.00
Zannkoenig, scarlet	1.00	9.00
Zephyr, rosy pink	1.00	9.00

Not less than 10 of a kind will be sold at the above prices. Single specimens at retail prices less 25 per cent.

To enable florists to have a grand collection of these beautiful flowers we are willing to furnish a collection of one each of one hundred varieties at a net total of $12.00.

Decorative Dahlias

	Per 10	100
Alphonse Isore, scarlet	$1.60	$12.00
Beauty of Kent, red and white	1.00	9.00
Camellia, orange scarlet	.75	6.00
Catherine Duer, crimson	.90	7.50
Fireking, scarlet	.75	6.00
Gigantea, yellow	1.00	9.00
La France, pink	1.50	12.00
Mrs. Roosevelt, pink	1.20	10.00
Papa Charmet, maroon	1.20	10.00
Perle de la Tete d'Or, white	1.00	9.00
Souvenir de Gustave Douzon, scarlet	1.00	9.00
W. W. Rawson, delicate lavender	6.00	
Yellow Colosse, yellow	5.00	

Not less than 10 of a kind will be sold at the above prices. Single specimens at retail prices less 25 per cent.

FLOWER SEEDS

SALVIA SPLENDENS

	½ oz.	Oz.
Grandiflora	$0.25	$1.50
The best tall Salvia in the market.		
Compacta	.40	2.50
Bonfire	.40	2.50
Hardly any foliage, but masses of flowers.		
Lord Fauntleroy, very dwarf.	.75	4.00
Maroon Prince, deep maroon	.75	5.00
Fire Ball, most intensely colored	.75	6.00
Silver Spot, leaves spotted, very attractive	.25	1.50

Zurich. The best salvia yet introduced. Plants grow very compact, show little foliage and bear heavy flower spikes, which are thickly laden with bright scarlet flowers. Flowers early in July and remains in bloom with later varieties. ⅛ oz. 75c., oz. $5.00.

Patens. (Blue Salvia). 1-16 oz. $1.00.

Salvia Splendens. King of Carpets. The best dwarf bedding Salvia on the market today, outrivaling even "Zurich." The plants branch from the bottom and to such extent that the main stem is never visible. All side branches droop completely to the ground, making the whole plant a perfect half ball of fire. The plant grows but 15 inches high and flowers even earlier than "Zurich." ⅛ oz. $1.00, oz. $6.00.

The veteran Salvia grower, Mr. F. Bedman, says: "About the Salvia, 'King of Carpets.' It has done very well considering the dry weather that we have had, and I consider it one of the grandest dwarf salvias that I ever saw."

AGERATUM

Extensively raised as a pot plant and used for edging.

	¼ oz.	Oz.
Lasseauxi	20c.	$0.60
Mexicanum		.15
Album. Large flowering white		.25
Blue Perfection		.30
Dwarf Imperial White		.25
Dwarf Imperial Blue		.25
Dwarf Swanley Blue		.30
Dwarf Little Dorritt		.25
Dwarf Little Blue Star, 1-16 oz. 75c.		

ANTIRRHINUM

A most valuable plant for the cut flower market, easily grown and very profitable; we have been careful to select but such colors as are ready sellers.

RAWSON'S TALL GIANT. This strain grows three to four feet high and is covered about two-thirds with gigantic flowers of grace and beauty. ¼ oz.

		Oz.
Finest Mixed		$0.40
White	$0.25	.75
Scarlet	.20	.60
Yellow	.20	.60
Dark Rose	.20	.60
Delicate Pink	.20	.60
Coral Red	.25	.75

ASTERS

Rawson's New Midsummer Aster

The colors are true and hardly any open-centered flowers among them.

	¼ oz.	Oz.
Pure White	$0.60	$2.00
Delicate Shell Pink	.60	2.00
Royal Purple	.60	2.00
True Lavender	.60	2.00
Bright Rose	.60	2.00
Finest Mixed	.60	1.50

Aster, Rawson's Late Branching. Flowers are very large in size and borne on long, stiff stems. It is one of the best and most popular varieties for late flower markets.

	¼ oz.	Oz.
Finest Mixed	$0.25	$0.75
Crimson	.30	1.00
Dark Blue	.30	1.00
Light Blue	.30	1.00
Rose Pink	.30	1.00
Shell Pink	.30	1.00
Scarlet	.30	1.00
White	.30	1.00

Dawn of Day. (Novelty, 1908). The earliest flowering Aster in existence. Fine white, perfect in form and growth, long branching stems and flowers; often three weeks ahead of Queen of the Market. It is of branching habit and very full and if freely cut will continue to bear blooms until late in Fall. ⅛ oz. 50c., oz. $3.00.

Rawson's Daybreak. This variety must not be compared with the strain offered elsewhere and a trial will convince the ever-so-critical of its superiority. ⅛ oz. 40c., oz. $2.50.

Rawson's Purity. (Pure white.) Of the same type as Daybreak, differing only in color, which is a pure glistening white. Just as free-flowering and symmetrical as Daybreak and undoubtedly unsurpassed as a white bedding variety. ⅛ oz. 50c., oz. $3.00.

Rawson's Queen of the Market Aster. The best early Aster for the Florist, quality being very much improved.

Finest Mixed, ¼ oz. 15c., oz. 50c.

Crimson, Dark Blue, Light Blue, Rose, Peach Blossom, White. ¼ oz. 20c., oz. 60c.

W. W. RAWSON & CO., Boston, Mass.

Please mention the Exchange when writing.

All the buildings near the Seine are flooded, and as the majority of the principal seed firms are located near the Hotel de Ville, where the flood is at its worst, the losses will be enormous. Those acquainted with the sanitary conditions of some parts of Paris will not be surprised to learn that an outbreak of epidemic disease is feared.

From the far South we learn that the rapid Rhone has carried off the surplus waters up to the present, but all the country between Dijon and Paris is converted into one great lake. Thus far, little news has reached us from the West, but those acquainted with the Loire will be very anxiously awaiting reports on crops growing in the beautiful valley contiguous thereto.

In England, the death is announced of Jonathan Cocks, for very many years a leading representative of the leading London, seed firms; and J. Barnshaw, for many years representative of William Bull, who, with his wife, was burned to death on Jan. 23.

In presenting to Harry J. Veitch his portrait done in oils the Royal Horticultural Society honors itself, and the presentation of a copy of the same to Mrs. Veitch is one of those graceful acts for which the worthy secretary is justly noted. EUROPEAN SEEDS.

American Notes

Trade Increases

The past week trade in all lines of the seed business has gathered considerable headway. The mail order houses are well satisfied with the way orders are beginning to come in, and another week or ten days will find this division of the Spring seed selling in full swing. The catalogs are now practically all out, and their combined influence in starting the season's activity is very marked. It bids fair to be a year of very active business, as never before have the general public so well understood that seeds in practically every line are in more or less short supply; this widespread feeling that there are only small supplies will cause very early buying, and as the months of March, April and May always take care of themselves, so to speak, as far as seed sales are concerned, an unusually long seed selling season may be said to be just opening. Especially have both the market garden and private gardeners' trade been good ever since the year turned; orders have averaged larger than for many years, and are certainly, so far, very satisfactory. It is going to be a great year.

China Asters

A couple of decades ago "China Asters" began to be greatly improved, until now we have Asters fully and truly as elegant as Chrysanthemums. In the old days, that is, before the advent of the improved branching types of Asters, the Victoria and Truffaut's Peony-flowered Perfection were considered the acme of quality, and many have been the grand displays of these two elegant sorts staged at horticultural exhibitions in the past. These two varieties are considered as elegant today as they were twenty-five years ago, but in addition now we have innumerable splendid sorts of American origin. Asters will be in larger request than ever the coming season, and a good assortment of the best sorts will be fully appreciated by your flower seed customers. Many expert growers contend that the various varieties of branching Asters are, taken all in all, the most satisfactory of any on the market today, and certainly there is much to be said in their favor. The branching Asters are very profitable for the florist and wholesale cut flower grower, for not only do they have good stems and bloom profusely, but they also keep flowering profusely from August until late Fall, if proper selection of the various varieties are planted. The same reasons render these Asters favorites with the maker of the home garden. There are two varieties of recent American origin that deserve more than a passing notice—Crego's Giant White, and Crego's Giant Pink. The two sorts are identical except in color, the first a pure, glistening white, the other a most lovely soft shell-pink, of that delicate shade that is always so admired. Both these Asters grow about two feet in height, branch well, have long and strong stems, and are most artistic, fluffy, Chrysanthemum-like flowers, often five inches in diameter; so very elegant are they that sales of the blooms were made last season at $1 a dozen. Another superb Aster that has been on the market now some five or six years,

J. BOLGIANO & SON

WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS

BALTIMORE, MD.

Please mention the Exchange when writing

CABBAGE

Wakefield and Succession, $1.00 per 1000, $8.50 per 10,000.

PARSLEY, 25c. per 100, $1.25 per 1000.

LETTUCE, Big Boston, Boston Market and Grand Rapids, $1.00 per 1000 Cash with order.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

Please mention the Exchange when writing.

ONION SEED==ONION SETS

We are large growers of and dealers in Onion Seed and Onion Sets.

Write for prices on 1909 crop.

Can also quote contract prices for the 1910 Onion Seed crop.

SCHILDER BROS., Chillicothe, O.

Please mention the Exchange when writing.

HOLMES' SEEDS . .

Our illustrated catalog will tell you all about the BEST TESTED SEEDS for the PRIVATE or MARKET GARDENER. We make a specialty of supplying seeds for the most critical trade. Send for our catalog at once and send us your list for special quotations.

HOLMES SEED CO.
Harrisburg, Pa.

Please mention the Exchange when writing.

ASTER SEED

SMITH'S PEERLESS

Also a good line of the Late Branching Type for Florists and Market Gardeners.

Catalogue Free.

ELMER D. SMITH & CO.
ADRIAN, MICH.

Please mention the Exchange when writing.

EVERY FLORIST WHO GROWS ASTERS

Should Send for Our Aster Book Immediately

Get your name on our files for our regular Florists' Wholesale Catalogue. These books are free.

JAMES VICK'S SONS
ROCHESTER, N. Y.

Mention this paper

Please mention the Exchange when writing.

FAMOUS ASTER

LADY ROOSEVELT

Gorgeous Pink, 20 to 40 inch stems, scientifically grown and separated seed. Oz. $5.00, ½ oz. $3.00, trial pkt. 50c.

Aster Seed in mixture, best colors, and ¼ Roosevelt. Oz. $1.00.

GLEN MAWR SEED FARMS, Kinzers, Pa.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Dreer's Superb American and Imported Asters

Crego's Giant Comet Aster

We take special pains to secure only the very choicest Asters and feel sure nothing better in quality can be had at any price. Our stock of American varieties are grown under our own supervision, while the Imported sorts are procured from the most reliable sources.

Dreer's Superb Late Branching Aster

Dreer's Superb Late Branching Asters

The finest Aster for late August and September blooming.

The plants form strong, branching bushes, 2 to 2½ feet high, bearing on long, strong stems their handsome Chrysanthemum-like flowers, which, under ordinary cultivation, average 5 inches across. The form of the flowers, together with the length of the stems, places them at the head of Asters for cutting. They come into bloom from two to three weeks after the average type, usually being at their best during September.

	Trade pkt.	Oz.
Azure blue. A rich deep lavender	$0.25	$1.00
Pure White. Extra fine stock..	.25	1.00
Shell Pink. An exquisite shade.	.25	1.00
Rose Pink. A very desirable color	.25	1.00
Deep Rose. Rich and brilliant..	.25	1.00
Deep Purple. Royal deep blue..	.25	1.00
Lavender. A pale greyish-lavender	.25	1.00
Crimson. Very rich	.25	1.00
Finest Mixed. All the colors...	.25	.75

Crego's Giant Comet Asters

Magnificent fluffy flowers, averaging over 5 inches across, with long strong stems; the finest of this type. Comes into bloom in August, continuing well into September, and, unlike most of the Comet sorts, stands when cut and is a good flower to ship. We offer two colors, our own saving, of the highest quality.

	Trade pkt.	Oz.
Shell-pink	$0.40	$2.50
Snow-white	.40	2.50

Dreer's New Aster "Pink Beauty"

A magnificent cut-flower variety, in bloom from early August until well on in September; 24 to 30 inches high; flowers average 4 inches across, on long, strong stems. Color a delicate blush pink, and pronounced by experts to be the finest pink midseason sort yet introduced. 50c. per trade pkt., $4.00 per oz.

Late Aster "Violet King"

A new and distinct color in the Late Branching class, fine large double flowers of a pleasing shade of violet, a strong, free grower and very free flowering. 40c. per trade pkt., $2.00 per oz.

Early Wonder Asters

This is the earliest Aster in cultivation, being in full bloom when Queen of the Market is only in bud, frequently coming into bloom in late June. Very valuable for cutting.

	Trade pkt.	Oz.
White. Pure glistening white	$0.40	$2.00
Pink. A good, clear pink	.40	2.00

Dreer's New Late Aster "Crimson King"

A superb new late-branching variety, with perfectly double flowers of rich, rosy crimson, full of fire. Fine for cutting, showing up well under artificial light. 50c. per trade pkt., $3.00 per oz.

Queen of the Market Aster

Four Fine American Asters

Daybreak. Of symmetrical growth; attains a height of 18 inches, and produces during August, perfect globe-shaped flowers, of a delicate pink tint. 50c. per trade pkt., $2.50 per oz.

Lavender Gem. One of the most beautiful Asters. Of Comet type, with large artistic, loosely-arranged flowers of the most charming shade of lavender imaginable. 50c. per trade pkt., $2.50 per oz.

Snowdrift. A most valuable variety, coming into flower in July, with superb plumy snow-white flowers of the Ostrich-feather type. 50c. per trade pkt., $2.50 per oz.

White Fleece. One of the largest and most perfect of the Comet type, bearing flowers 5 inches and over across, formed into a plumy globe of glistening white. Blooms in August. 50c. per trade pkt., $2.50 per oz.

Imported Asters

QUEEN OF THE MARKET ASTERS.
The best and most popular early Aster.

	Trade pkt.	Oz.
White	$0.20	$0.60
Lavender	.20	.60
Pink	.20	.60
Bright rose	.20	.60
Purple	.20	.60
Crimson	.20	.60
Mixed	.15	.50

PAEONY PERFECTION ASTERS.
A splendid mid-season variety.

Crimson	.30	1.50
Light blue	.30	1.50
Brilliant rose	.30	1.50
Purple	.30	1.50
Bright pink	.30	1.50
Pure white	.30	1.50
Finest Mixed	.25	1.25

OSTRICH FEATHER ASTERS.
A mid-season type with large fluffy artistic flowers.

White	.30	1.60
Lavender	.30	1.60
Bright rose	.30	1.60
Salmon pink, extra fine	.30	1.50
Violet blue	.30	1.50
Vivid crimson	.30	1.50
Mixed	.30	1.25

HENRY A. DREER, Specialists in Seeds, Plants and Bulbs Philadelphia

Please mention the Exchange when writing.

but which would seem to increase in popularity with each succeeding season, is the Violet King. It would be difficult to conceive of a flower more truly elegant. In form it is quite distinct from any sort; its petals somewhat resemble the quilled varieties, but are larger and broader and so arranged that the crown is completely covered. The individual flowers are large, measuring when well grown from four to five inches in diameter; but it is its superb color, a very rich and at the same time soft violet-lilac, that makes it a favorite. It is no easy task to describe such an elegant bloom, it must be grown to be appreciated. Space forbids a further reference to the many other splendid Asters of American origin that have recently been introduced, but so many elegant varieties are there that a fine assortment for your customers can without difficulty be obtained. V.

New York Seed Trade

Every day now seed selling is gathering momentum; the early orders are averaging even better than a year ago, although the seed catalogs on the whole were somewhat late in going out. The weather, the coldest of the Winter this week, has been most pleasant and favorable to trade.

Peter Henderson & Co. have been receiving an unusually large number of early orders; their offerings of Sweet Peas would seem to be especially popular.

Anton C. Zvolanek of Bound Brook, N. J., has been calling upon his friends in the trade this week, having just returned from a six weeks' trip to the Pacific Coast. His information regarding the outlook for the California Sweet Pea crop, just planted, was of especial interest.

Vaughan's Seed Store has a most attractive window display this week—a neat arrangement of Peas, Beans and Sweet Corn in open bags, together with an assortment of illustrated seed packets.

Burnett Bros., who were among the first to distribute their seed catalogs this season, report orders as ahead of last year at this date; and especially is trade very active with the large private estates.

Several of our seedsmen have this week received advices from their French correspondents that as a rule the whole line of French bulbs will be considerably higher in price than for several seasons.

The Aphine Manufacturing Co. are very much pleased with the large sales of their insecticide that are being made by seedsmen. The public demonstrations that this company are giving are certainly doing much to popularize Aphine.

LINCOLN, NEB.—Mail order business is opening up very fine with us. In the wholesale department our travellers are finding extra good business all over the West. There is a heavy demand for Alfalfa, Clover and Timothy seed, especially Alfalfa. All orders on garden seeds are coming in very good. Our weather has been so stormy and cold that it has been impossible for farmers to come to town; this makes some of our contract deliveries late.

GRISWOLD SEED CO.

Asparagus Plumosus Nanus

We Are Headquarters, Greenhouse Grown Seed, Extra Quality

100	Seeds	$0.50
500	"	2.00
1000	"	3 50
5000	"	16.00
10,000	"	30.00
25,000	"	70.00

Headquarters For Cold Storage

LILIUM GIGANTEUM

Orders booked now for Summer delivery. Extra fine stock

300 Bulbs per case, $80.00 per 1000

JAPANESE FERN BALLS

Large size	Each, $0.30	Doz., $3.25	100, $25.00	1000, $225.00
Medium size	" .25	" 2.50	" 18.00	" 175.00

Henry F. Michell Co., 10th and Market Sts., Philadelphia, Pa.

Please mention the Exchange when writing.

Orchid-Flowered Sweet Peas

DREER'S SWEET PEAS

We give below a short list of the best kinds for Florists' use. For complete list see our Wholesale Catalogue.

Orchid-flowered Varieties

	¼ lb.	Lb.
Countess Spencer (true). A lovely clear pink	$0.30	$1.00
Florence M. Spencer. Delicate blush with pink margin	.30	1.00
Frank Dolby. Largest pale lavender	.30	1.00
Gladys Unwin. Charming pale rose-pink	.10	.35
George Herbert. Rich rose carmine	.30	1.00
Mrs. Alfred Watkins. Superb pale pink	.15	.50
Nora Unwin. A magnificent white	.15	.50
Primrose Spencer. Primrose or creamy yellow	.15	.50
White Spencer. A pure white Countess Spencer of very large size	.15	.50

Standard Varieties

Blanche Ferry. Pink and white	.10	.20
Dorothy Eckford. The finest standard white	.10	.25
Earliest of All, Re-Selected. Same color as Blanche Ferry, but a week earlier than the extra early type, fine for forcing	.15	.50
Emily Henderson. Purest white	.10	.20
Flora Norton. The clearest and most pronounced bright blue	.10	.30
Hon. Mrs. E. Kenyon. The finest primrose yellow yet introduced	.10	.25
Janet Scott. A large and bright pink	.10	.25
Katherine Tracy. Brilliant pink	.10	.25
King Edward VII. Rich, deep crimson scarlet	.10	.25
Lady Grisel Hamilton. Pale lavender	.10	.25
Lord Nelson. Improvement on Navy Blue Color, rich navy blue	.10	.30
Lovely. Shell pink, extra fine	.10	.25
Miss Willmott. Rich, deep orange pink	.10	.25
Mont Blanc. An early-flowering white, for forcing	.10	.35
Mrs. George Higginson, Jr. Clear azure blue	.10	.25
Mrs. Walter Wright. Deep mauve	.10	.35
Othello. Dark chocolate red	.10	.25
Prima Donna. Deep pink, fine	.10	.25
Prince of Wales. Deep rose	.10	.25
Salopian. Rich deep scarlet	.10	.25

HENRY A. DREER, Seeds, Plants and Bulbs **Philadelphia**

Please mention the Exchange when writing.

Seed Trade the Country Over

STURGEON BAY, WIS.—The Northern Wisconsin Seed Co. has been incorporated, with a capital of $25,000.

PORTLAND, ME.—E. J. Harmon & Co. have been incorporated to produce and deal in seeds, bulbs, plants, etc. Capital $10,000.

BOSTON, MASS.—Robert Montgomery, son of the well-known rosarian, lately with the Fiske Seed Co., is now employed by Joseph Breck & Sons, representing their house among the florists in New England.

NASHVILLE, TENN.—A new concern, the Ewing Seed Co., has started in the seed business at 309 Second ave. N. W. B. Ewing, the head of the company, was formerly manager for the Woods-Stubbs Co.

ST. LOUIS, MO.—The Schisler Seed Co. has been incorporated with a capital stock of $20,000. The incorporators are C. Wm. Koenig, Arthur W. and Jacob Schisler, Edward N. Kaercher and Wm. C. Essmueller.

PETERSBURG, VA.—The Grossman Seed & Supply Co. has been incorporated, with a maximum capital of $50,000, and a minimum of $10,000. C. F. Grossman is president, G. C. Burgess, vice-president, and W. S. Ivey, secretary and treasurer.

FREDONIA, N. Y.—A decision against Herman J. Westwood of Fredonia, was returned Jan. 21, by Justice Marcus. The man sued Harlow L. Crissy and Elton A. Cole for a share in the profits in a Federal seed contract. The case has been in the courts for some time.

TACOMA, WASH.—Articles of incorporation of Poole's Seed & Implement Co. of Tacoma have been filed in the county auditor's office by F. S., F. L., C. A. and C. L. Pole, who are the incorporators and trustees. The new corporation is capitalized for $25,000, in shares of $100, and the stated purposes are to conduct a general mercantile seed, farming implement and vehicle business.

ATLANTA, GA.—The State Court of Appeals holds, in a decision handed down recently in the case of Zipperer vs. Doyle, from the city court of Savannah, the law requiring registration of all fertilizer brands sold in Georgia is not applicable to a broker who handles fertilizers that are the output of a manufacturer who has already complied with the law. M. E. Zipperer bought fertilizers from J. A. Doyle, who sold goods of the Virginia-Carolina Chemical Co., which company had already filed its analysis and reports with the commissioner of agriculture.

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From BELGIUM Palms, Araucarias, Bay Trees, Azalea Indica, etc.
From HOLLAND Boxwood, Rhododendrons, pot grown Shrubs for forcing, etc., etc.
From GERMANY Valley Pips. Early or late. forcing.
From ENGLAND English Manetti selected for grafting.
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F. E.—The Best Advertising Medium.

New Root Crops for the South

The Department of Agriculture has just issued a bulletin dealing with the "Yantias, taros, and dasheens as promising root crops for the South." These are tropical plants which can easily be grown in many parts of the South. They ought to prove valuable in many sections because they can be grown on lands too wet for other root crops or any cereal crop except rice. These plants comprise salad plants, tubers which are excellent for table use and also for stock feed, roots which are valuable sources of starch and from which alcohol can be made. They have formed the staple food of the native Hawaiians, and are important food crops in Japan, China, the Malay Archipelago, Porto Rico, and many other hot countries. The work of the Department with these plants has not yet progressed far enough to permit any distribution of plants.

THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

Los Angeles

Charles Winsel has now acquired a lease on all the vacant land on Washington st. between Figueroa and Lovelace sts., which will give him room, for a time at least, for his rapidly growing business. The idea which seems to occupy the minds of some men in this country that the rich are growing richer and the poor poorer is proved to be an error by the history of this man, who came from Holland without money but a few years ago. He had three valuable assets: industry, integrity and good judgment, and the result of his labors is one of the best seed houses on this coast. A comparatively young man, he is sure to be heard from in the future.

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Louisiana, height 7 ft.	$1.75	$15.00
Alice Roosevelt, 4 ft.	3.00	25.00
A. Bouvier, 6 ft.	1.50	14.00
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Black Prince, 3 to 4 ft.	2.25	20.00
Chas. Henderson, 4 ft.	1.75	15.00
Crimson Bedder, 3 ft.	2.00	17.50
Duke of Marlborough, 4½ ft.	1.75	15.00
J. D. Eisele, 6 ft.	1.75	15.00
Exp. Crampbell, 6½ ft.	1.50	14.00
Express, 2 to 2½ ft.	2.25	20.00
Pres. McKinley, 2½ to 3 ft.	1.50	14.00
Tarrytown, 3½ ft.	1.75	15.00

RED, GOLD-EDGED AND SPOTTED SHADES

Gladiator, 4 ft.	2.75	25.00
Cinnabar, 4½ ft.	1.75	15.00
Indiana, 3 to 4 ft.	1.75	15.00
Queen Charlotte, 3½ ft.	2.25	20.00
Mad. Crozy, 5½ ft.	2.25	20.00
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PINK SHADES

L. Patry, 4½ ft.	1.75	15.00
Louise, 5 ft.	2.00	17.50
Mlle. Berat, 4½ ft.	1.75	15.00
Tennyson, 6½ ft.	2.75	25.00

YELLOW SHADES

	100	1000
Buttercup, 3½ ft.	$1.75	$15.00
C. de Bouchard, 4½ ft.	2.00	17.50
Florence Vaughan, 6 ft.	2.50	20.00
L. E. Bailey, 4½ ft.	2.75	25.00
Richard Wallace, 4½ ft.	2.75	25.00

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Alsace, 3½ ft.	1.75	15.00

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Brandywine, 4 to 5 ft.	2.00	17.50
Black Beauty, 6 ft.	2.75	25.00
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Egandale, 4 ft.	1.50	14.00
King Humbert, 4 ft.	3.25	30.00
Leonard Vaughan, 4½ ft.	1.75	15.00
Musafolia, 5 ft.	2.75	25.00
Pillar of Fire, 6 to 7 ft.	2.25	20.00
Robusta, 6 to 8 ft.	1.75	17.50
Shenandoah, 6 ft.	1.75	15.00

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Allemannia, 4 to 5 ft.	1.75	16.00
Austria, 5 ft.	1.25	12.00
Italia, 4½ ft.	1.75	15.00
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Pennsylvania, 6 ft.	1.75	15.00
Wyoming, 7 ft.	2.75	25.00

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The strain which I offer is unsurpassable. A fine lot of plants in bud and bloom all colors from 4-in. pots, $15.00; from 5-in. pots, $20.00 per 100; (August Seedlings) twice transplanted from flats in 6 colors $3.00 per 100, $25.00 per 1000; from 2½-in. pots $5.00 per 100, $45.00 per 1000.

GERANIUMS

Standard Varieties, strong well-grown plants from 2½-in. pots, $2.50 per 100, $22.00 per 1000.

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Alphonse Bouvier, Chicago, Papa Nardy, Duke of Marlborough, Florence Vaughan, J. D. Cabos, etc., fine tubers, $15.00 per 1000.

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Sweet Pea and Nasturtium Specialists

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SHAMROCK PLANTS, 3-in pots, 60c. per dozen.

ASPARAGUS plumosus, 3-in. pots, $5.00 per 100.

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ENGLISH IVY, 3-in. pots, $5.00 per 100.

ROOTED CUTTINGS from soil, $1.00 per 100.

Heliotrope, dark blue and white; Feverfew, Lobelia, double and single, blue; Ageratum, Cigar Plant, Parlor Ivy, Geraniums (assorted varieties).

Cash with order please.

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300,000 COLEUS

$4.00 per 1000, 60c. per 100. By mail

60,000 good, strong, clean, well-rooted cuttings; now in sand. 300,000 more coming on; Verschaffeltii, Golden Bedder, Queen Victoria, Firebrand, and all other leading varieties. Come and see them. Cash with order.

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F. E.—Best Advertising Medium

Government Publications Misquoted

The Department of Agriculture has recently been informed that certain of its publications dealing with Eucalyptus have been misquoted by several companies interested in selling lands. For instance, Circular 97, of the Forest Service, has been misrepresented as saying that California will in a few years be the only source of hardwood supply in the United States. Such a statement has never been made in any of the Forest Service publications and is not considered a fact. The Department experts believe that there is promise of considerable success in the cultivation of Eucalyptus trees in many parts of California, but estimates of profit and of growth have been attributed to the Department which are unauthorized. There are many uncertainties connected with Eucalyptus culture, the Government experts say, which the investor should take into account. Secretary Wilson says he does not intend to allow the name of his department to be used as a means of victimizing the public, and that in future any concern which attributes to the Forest Service unauthorized statements may expect the statements to be publicly disavowed.

A Sweet Pea Society for Scotland

Invitations are out to Sweet Pea enthusiasts to form a special Sweet Pea Society for Scotland, not in opposition to the National Society, but in order to specially cater for the interests of Northern growers. The preliminary circular is signed by Mr. Cuthbertson, Mr. J. Grieve, Mr. Malcolm and others, so that a successful start is almost certain. It is suggested that a show be held annually in Edinburgh, in August.

Tuberoses

True Dwarf Pearl

1st Size, 4-6 inch, 90c. per 100; 1000, $7.50; 5000, $35.00.

Medium, 3-4 inch, 60c. per 100; 1000, $4.00; 5000, $17.50.

Mammoth, 6-8 inch, $1.50 per 100; 1000, $12.00

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DAHLIA ROOTS

Strong roots in perfect condition and strictly true to name.

CACTUS DAHLIAS.

Bridesmaid, Britannia, Countess of Lonsdale, Capstan, Chas. Woodbridge, Firebrand, Floradora, Gabriel, Harmony, Island Queen, J. H. Jackson, John H. Roach, Kriemhilde, Koniigen Wilhelmina, Maid of Kent, Mrs. Montefiore, Mr. Moore, Prince of Orange, Strahlenkrone, Wm. Cuthbertson, $6.00 per 100.

Hazor Kind, Perlehlide, Spotless Queen, Vokler, $8.00 per 100.

Ortwin, Pink Pearl, $10.00 per 100.

Cactus Dahlias, good varieties, my selection, $5.00 per 100.

Mixed Cactus Dahlias, $4.00 per 100.

DECORATIVE AND SHOW DAHLIAS.

Catherine Duer, Clifford W. Bruton, Gloriosa, Queen of Yellows, Wm. Agnew, $6.00 per 100.

Souv. de Gustave Doazon, $1.50 per doz., $10.00 per 100.

Jack Rose, $2.00 per doz., $16.00 per 100.

Decorative and Show Dahlias, my selection, $5.00 per 100.

SINGLE DAHLIAS.

Crimson Century, Twentieth Century, Wildfire, Pres. Viger, $8.00 per 100.

Pink Century, Scarlet Century, White Century, Yellow Century, $10.00 per 100.

Single Dahlias, my selection, $6.00 per 100.

CANNA ROOTS

Home grown, 2 and 3 eyes each.

King Humbert, extra fine, $3.00 per 100, $25.00 per 1000.

Allemania, Comte de Bonchard, Crimson Bedder, David Harum, Florence Vaughan, Mrs. Kate Gray, Pres. Carnot, Souv. de Antoine Crozy, $2.00 per 100, $18.00 per 1000.

Pres. McKinley, West Grove, Yellow Crozy, $2.50 per 100.

Mrs. Wm. F. Kasting, Wyoming, $3.50 per 100.

Black Beauty, Emil Wieland, Little Gem, $5.00 per 100.

Mixed Cannas, good varieties without labels, $1.50 per 100, $12.00 per 1000.

Augusta Gladiolus, best white variety for cut bloom, 1st size, $1.75 per 100, $15.00 per 1000; 2d size, $1.25 per 100, $10.00 per 1000.

J. T. LOVETT, Little Silver, N. J.

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Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

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ATCO, N. J.

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A good assortment of Dahlias for Florists, at prices that will surprise you for undivided field clumps.

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DAHLIA POLES

2 to 6 Feet Long

POINTED HARDWOOD STICKS; Green and Plain, 8, 12 and 18 inches long.

BLUNT END SOFTWOOD STICKS; for staking, Green and Plain, 6, 12 and 18 ins. long.

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BABY DOROTHY. The best yet. Color deep pink, fine form, a profuse bloomer. Strong field-grown plants, $25.00 per 100; 4-in. pots, in bloom, $15.00 per 100.

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Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.
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We Grow a General Assortment of
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GREEN'S FARMS, CONN.

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DEUTZIA LEMOINEI, pot-grown, in fine condition.
BOXWOOD and BAY TREES, for immediate or Spring delivery.
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1000 CATALPA SPECIOSA
1½ to 4 inches caliper. Carload lots, $50.00 per 100.
200 AMERICAN ELM
1 to 2 inches caliper, $70.00 per 100.
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GARDEN CITY, N. Y.

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NORWAY and SUGAR MAPLES, EUROPEAN LINDENS, PIN OAKS; 2 inches caliper or over. A No. 1 Stock only need answer, with prices and where to be seen, to **LANDSCAPE ARCHITECT,** care **Florists' Exchange.**

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THE "EVERBLOOMING CRIMSON RAMBLER"
The best Climbing Rose in the market, flowering during the whole Summer in large clusters of finest crimson color.
Price for first rate plants with 3 to 6 shoots, open ground growo, $12.50 per 100, $120.00 per 1000.
Extra strong plants, from 5 and more branches at $18.00 per 100.
Package free, cash with order only.
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5-inch pots—4 to 5 tiers—15 to 18 inches high
60 cts. each, $6.00 per dozen
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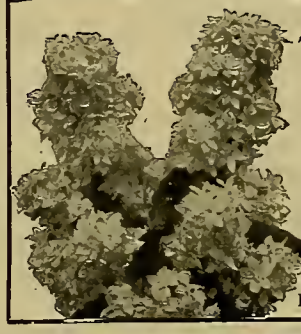

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Viburnum Plicatum, in sizes from 3 to 6 ft.
Japanese Judas, very heavy, 3 to 4 ft.
Spiraea Anthony Waterer, very heavy, 1½ to 3 ft.
Regel's Privet (Ligustrum Regelianum), 2 to 4 ft.
These are but a few of our leaders; we have an enormous assortment of other varieties. Also deciduous trees, especially **Willows, Lombardy Poplars, American Lindens,** and **Dogwood.**
Let us have your "want list," and ask for our catalogue.
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ROSES for forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff
CLEMATIS, AMPELOPSIS, TREE HYDRANGEAS and LILACS, SHRUBS, VINES and PERENNIALS. Write for prices.
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Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.
Large stock of **Ornamental Trees** and **Shrubs, Conifers, Evergreens,** etc. First-class stock only. Prices reasonable. Sole American Agent:
J. MEERKAMP VAN EMBDEN, JR. Mount Vernon, N. Y.
Ask for our General Catalogue and special offer.

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AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-president; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer.

FORT WAYNE, IND.—The tree and shrubbery nursery maintained on a small scale in Lawton Park by the board of park commissioners is to be enlarged and extended.

BLACKSBURG, VA.—The Virginia Wholesale Nurseries has been incorporated with J. H. Broce, president; M. F. Slusser, secretary, and treasurer, W. O. Frith, all of Blacksburg.

MARYSVILLE, CAL.—The well-known gardens of the late Mrs. Mary Karr in this city are to be converted into a florist's nursery by a Mr. Evans, who recently established the first florist's stand in Marysville. A greenhouse is to be erected on the place and other improvement made.

Pussy Willows This is the season when shoots of the Forsythia, Cornus Mas, Jasminum and other flowering shrubs are cut and brought into heat, placed in jars of water, in order to enjoy soon thereafter their beautiful flowers. Though the flowers of many of them are small they are usually clustered abundantly along the shoots, hence are really beautiful when expanded as, indeed, are all the early flowers of Spring. Anyone possessing but a single shrub of any of these named can enjoy the flowers in the way suggested, as it takes but a few sprigs to give some flowers at least.

The Pussy Willow, Salix caprea, is not generally forced until the Easter season is at hand, as it seems from long use to be a part of that festival season, but there is no reason why the flowers should not be enjoyed before; and when cutting some shoots from the others mentioned, cut some from the "pussies" as well. Although the S. caprea is the one that is known far and wide as the Pussy Willow there are others very pretty in the way it is; i. e., in the way of displaying its staminate catkins. An especially vigorous one is Salix Medernii, its catkins, in fact its whole growth, surpassing in vigor the caprea; this extra vigor, is no advantage, some florists think, as the shoots are stronger than the use of them indoors demands; but be this as it may, in jars of water on a table the shoots of these, well laden with expanded flowers, are pleasing to everyone.

Those who have forced such shoots as those mentioned have found no need of placing them on a table in a living room at once. For a week or so they may be placed in a warm cellar, by which time the buds will be swelling. Brought up to light and heat then, the flowers expand quickly.

Some nurserymen as well as florists grow Willows especially for their shoots for forcing. The plants are best set in a piece of low ground, where depth and moisture exist. The whole of the tops are cut off annually, whether wanted or not, in order that new shoots may form for the next season, as it is these young ones that give the pussies.

A Good Pink Spiræa It is nice to find some old shrubs as good as new ones; and in the case of Spiræa Billardii it is certainly the case. This is the Spiræa bearing finger-like spikes of pink flowers, the first blooms of which expand in May. It has been in cultivation here at least for half a century, and if one looks through a collection of Spiræas today in which Billardii is present, it will be strange if it is not picked out as one of the best of its class. There are several types among the Spiræas in the form of their flower heads. The Billardii represents those of finger-like spikes, then there are some perfectly flat, others with slightly rounded heads, and forms intermediate between all these. There are some species with perhaps rather longer spikes than Billardii, but there is to be said in favor of Billardii that it is almost everblooming. When one is possessed of two or more bushes of it and these are growing in deep, moist ground, there is hardly a day throughout the season that a flower could not be found on them. There is first the full crop in May, after which scattered flowers appear until Autumn when quite a crop may be looked for, especially if the season is propitious for the growth of the shrubs. It is from the strong new shoots that the flowers come; and this has led some to cut back the bush pretty freely after its May flowering, to promote a lot of young shoots for Autumn.

Flowers of the Chionanthus The White Fringe, Chionanthus Virginica, is of a nature that every bush does not bear fertile flowers. Some bushes may have female flowers, others male. As the large clusters of berries which follow the blossoms of the fertile flowers are very handsome, looking like huge bunches of Grapes, it is disappointing to those looking for them, especially as many purchase a bush in order to secure berries, and their bush proves a sterile one. There is no way to get the kind desired unless by selecting one that has already flowered, as there is no means of distinguishing the varieties by the foliage or any other way. Europeans raise these plants by grafting them on the common Ash, which makes a good stock; and these grafted plants make a growth far superior to a seedling in the first few years; in fact, they are fit to sell to nurserymen after a season's growth, while a seedling would be but a few inches high. Grafted plants, too, would insure the possession of the berry bearing ones for sure; and to advertise one's stock as of this nature would be a taking card for any one. There is this much to be said for those who have the sterile one, its flowers are handsomer than those of the other, the flowers being larger, making the cluster much more conspicuous than that of the other.

Abies Concolor, Cal.

Japanese Maples for Easter The idea of forcing Japanese Maples for Easter, as suggested in the advertisement of H. A. Dreer, is a very good one. These plants are so beautiful when in the first expansion of their foliage in Spring that every one is pleased with them, and, undoubtedly, were they to be had in pots at the Easter season those who had them for sale would find them a good selling article. Nurserymen tell us that every Spring when plants of these that are on lawns display their handsome foliage, there is always more or less demand for them, which has led to the growing of them in pots in order to supply these late orders. If these pot plants are forced, as the Dreer firm suggests, there would be obtainable for Easter decoration something quite distinct from the ordinary run of plants now used, in addition to having hardy subjects, which could be planted out for permanent growth, were it so desired. These Japanese Maples delight in the full sunlight, in order to display their brightest colors, but when outdoors the heat, and often lack of moisture in the air, causes "sunburn" as it is called, to the leaves. In all probability this would not occur were the plants in a greenhouse, for there there would be moisture with the heat, giving, it is believed, just what these Maples require for perfection to their foliage.

The three kinds Dreer's mention, polymorphum atropurpureum, dissectum atropurpureum and Japonicum aureum are good; the two former the writer has found to make the best display in Spring, while Japonicum aureum is often even better in late Summer than it is earlier in the season.

Another fine purple-leaved one is pinnatifolium atropurpureum, but without doubt the best of all the blood-leaved sorts is the polymorphum atropurpureum.

Varieties of English Walnuts The great interest displayed in the cultivation of nut trees nowadays leads to the thought that among the very many kinds popular in our markets the English Walnut, as it is called, Juglans regia, occupies a very high position. The excellence of its kernel and comparative thinness of shell gives it this position. On the Pacific Coast, where this tree thrives so well, the orchards are largely of improved kinds; sorts with thin shells and large nuts are preferred by everyone; and these sorts are worth much more than seedlings. Although seedlings and all have comparatively thin shells, having in mind all other nut trees, yet some of the seedling English Walnuts have quite thick shells, as will be found when buying a mixed lot from stores.

Many years ago, the nurserymen of France sent out an early fruiting one with a fairly thin shell, which was called præparturiens. This was planted in Pennsylvania as well as other places, but Pennsylvania is a little too far north to have the best results from this Walnut. Besides this early fruiting variety, there are some half-dozen others of much merit which are planted in orchards.

Abies concolor (California) The "Silver Fir" of Colorado is now well known in collections of evergreens, but not every collection has in it the Silver Fir of California, though it is the longer known one of the two. The evergreens of California were known both in our eastern States and in Europe many years before those from the Colorado section came into notice, but after the latter became known they at once were the most popular because, coming from a more vigorous climate, they proved well adapted to the horticultural gardens of the world.

Those acquainted with the Silver Fir of Colorado will notice at once a great likeness between it and our picture of the California one. Still, while at once pronouncing it a concolor, to the writer it seems of less flattened foliage, the growth is more vigorous and of less horizontal outline while the tree itself is far more bushy than concolor (Colorado), is usually seen.

Many of these evergreens will probably be changed specifically in times to come, just as many now are, of which forms are found according to altitude, and which forms seem of a permanent nature. This very one, concolor of California, becomes lasiocarpa when higher up the mountains, and when still higher subalpina.

In collections we want all the species or forms, but from what has been said it appears that our specimen concolor should be superseded by lasiocarpa for elevated sites, the concolor preferring lower ground.

Fragrant Magnolias In those portions of our country where severe Winters are unknown Spring planting will soon commence, and among trees and shrubs that will surely be called for are the various varieties of the Magnolia. It is not every kind of Magnolia that is sweet scented, though some writers speak of the whole family as being so. The majority are not. Their great beauty is claim enough for them to attention, as all good things cannot be expected from any one object. Nevertheless, there are a few sweet-scented ones among which M. glauca, known as the Swamp Magnolia, because of being found usually in low ground, is renowned for its fragrance. So sweet and powerful is its perfume that passengers on trains passing through sections where they grow wild are often regaled with their fragrance, wafted in the car windows.

The next approaching it in sweet perfume is the dwarf growing one, M. stellata, its fragrance being one of many other attractions it possesses. The older one, and the parent of many of the varieties in cultivation, is M. conspicua, the Chinese White, as it is called. It is modestly fragrant, hardly sufficiently so as to be called sweet-scented. M. glauca, the first mentioned, is almost an evergreen in the warmer States, and perhaps is entirely so when in well sheltered positions in the South, as even in the Middle States if snow covers them well all Winter, beginning before the leaves fall in late Autumn the covered leaves will be found fresh and green when Spring comes. It must be said of this species, too, that though a native of low ground, it does not demand a similar situation when transplanted but will thrive almost anywhere. Further, it does not flower all at once as is the rule with nearly all others, but continues to give flowers in succession for a month or two.

M. stellata is one of the most valuable of Magnolias. Of a dwarf, bushy nature it flowers profusely and early in the season, being the first one to expand its flowers in Spring. These flowers are white when open, with a very faint tinge of pink; they are semi-double, and one almost always crowns the end of every shoot or twig no matter how tiny the twig may be. This species is one of a few others not unattractive in late Autumn, its leaves changing then to a purplish brown color.

M. conspicua was the first of all foreign species to be introduced to our gardens; everyone knows of it as a choice large shrub, sometimes of tree size, flowering very early in Spring, sometimes too early, as late frosts often scorch its flowers. Its large, pure white blossoms are a great adornment to a garden.

California Privet

California Privet is still the leading hedge plant, because nothing has yet been produced to surpass it.

I have an extra large stock of two-year-old plants, in all grades, to offer for Spring shipment. This stock is well branched with plenty of fibrous roots.

I can compete in price, quantity and quality with any reliable grower.

I AM GROWING PRIVET TO SELL

LET ME QUOTE YOU PRICES BEFORE YOU BUY.

C. A. BENNETT Robbinsville, N. J.

Please mention the Exchange when writing.

Last Fall

MY OUTPUT OF CALIFORNIA PRIVET WAS GREATER THAN EVER BEFORE.

Ribsam's Reputation

Orders booked now daily. Owing to business and fibrous roots my plants are far above the average grade sold by others at less prices; just one order will enroll you as one of our regular patrons. Thanking all for past favors.

CALIFORNIA PRIVET

	Per 100	Per 1,000	Per 10,000	Per 20,000
3 to 4 feet, Our Special	$6.00	$40.00	$350.00	$650.00
2½ to 3 feet, Extra Bushy	5.00	35.00	300.00	550.00
2 to 3 feet, Our No. 1	3.50	25.00	200.00	350.00
1½ to 2 feet, Our No. 2	2.50	17.50	150.00	250.00
10 to 18 in., Our No. 3	1.50	12.00	100.00	175.00

Packed free. Our stock is A1 in every respect, and I prefer you to call and see it. A trolley line from P. R. R. station leaves you at my gate, only 10 minutes' ride. Hoping to see you and have your order early as possible, as we have only 300,000 left for this Spring's delivery, I remain, yours truly,

CARLMAN RIBSAM, Office, 31 Wall St. (Nursery, Hamilton Ave,) **Trenton, N. J.**

Please mention the Exchange when writing.

California Privet

SPECIAL

For two weeks we will make special price on car-lots of 18 to 24 in., 2-yr., well branched and extra fine rooted stock.

Small quantities at low prices.

Asparagus, Palmetto and Giant Argenteuil, 3-yr., extra strong, **$5.00** per 1000.

Jos. H. Black, Son & Co.

Hightstown, N. J.

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

CALIFORNIA PRIVET

500,000 3-yr. plants, with 12 to 20 branches; have been transplanted once and cut back 2 yrs.; $4.00 per 100, $37.50 per 1000, packed. Will make a good close hedge at once. 500,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr.; $3.00 per 100, $27.50 per 1000, packed. 1-yr. plants 12 to 18 in., well branched, $2.00 per 100, $17.50 per 1000, packed. 500 at 1000 rates. Cash with order.

JOHN BENNETT, Atlantic Highlands, N. J.

Please mention the Exchange when writing.

50,000 **CALIFORNIA PRIVET,** fine 1-year-old stock, 18 to 24 in., $2.00 per 100, $15.00 per 1000; 24 to 30 in., $2.50 per 100, $20.00 per 1000. Special prices in 5000 lots to dealers, all No. 1 stock. 5,000 extra strong **AMPELOPSIS Veitchii.** Field grown vines, live tops and roots, now in cellar. $4.00 per 100, 500 at $3.50 per 100. P. S. 25,000 Canna Roots.

BENJ. CONNELL, Florist, **Merchantville, N. J.**

Please mention the Exchange when writing.

Golden Wedding

These are sufficiently rare to be well worth chronicling. Last week was celebrated that of Mary Vollman and Henry Behrens, florist, of Middletown, Ohio, who were married Feb. 5, 1860. Hearty congratulations from The Florists' Exchange, sir and madam.

Thompsonville, Conn.

The Brainard Floral and Nursery Co. have two ranges, one on Maple st., which is now being increased to 6000 ft. by an addition of 4000 ft. of new construction. This will be ready for use about March 1. Their Garden st. place has some 10,000 ft. devoted to mixed stock and Carnations, and is known as the cut flower department. Most of the stock raised is sold on the place at retail, but their wholesale trade is also very good. The seed department has increased so much in the past few years that they are now importing both seeds and bulbs, and the seed trade hereafter will be one of the most important branches. Thompsonville, Conn., is about nine miles from Springfield, Mass., and the Brainard Co. have some choice territory from which to look for trade.

Cincinnati

There has been no change in the market as regards stock since our last communication. Everything is scarce and prices are still remaining firm.

Myer Heller of Heller Bros. passed through Cincinnati Saturday morning last on his way to New Castle, after a very delightful and profitable rest at Palm Beach, Fla. He reports having called upon Mr. Ohmer, states that he is nicely situated, and it won't be long before he will be shipping the product of his little place to the northern markets; he says that Ohmer's Asparagus is doing finely.

The Dutchmen are pursuing their pilgrimage through the U. S.; one in question is Mr. L. Vandemey, who states that it is not so easy to sell stock as it used to be a few years ago, which I believe to be a fact. For, like every other business, when one individual sees another getting along nicely and making three square meals a day, he immediately starts in and sees if he can't get four, and this applies to the Dutch bulb merchants of Holland.

Bulbous stock has not been an oversupply this year owing to the fact that the bulb merchants here, George & Allan, have not grown more than one-third their usual capacity as their sad experience two years ago was enough for them.

The Grand Rapids Greenhouse Co. is shipping to this market carload after carload of Lettuce; they control the output of the large Lettuce growing plants around Grand Rapids. Mr. Peary, who looks after the selling of the stock, is a very pleasant gentleman who has the peculiar faculty of making you buy whether you want to or not.

Cincinnati is generally known as the head market for Lettuce in the U. S., selling more than one-half of the Lettuce produced.

Next year the Grand Rapids Greenhouse Co. will go more extensively into the flower business, growing American Beauty Roses, white and pink Killarney and Carnations. Mr. Peary tells the writer that Mr. Stover, their grower, has just returned from a trip to the larger growers throughout the East, taking in all of the larger cities, and he is now preparing to show the company that cut flowers will pay them better than vegetables.

Inquiries are beginning to arrive for red stock of any kind for Valentine's Day. Growers who have more red Carnations and red Roses than they know what to do with can ship them to the writer for that day's sales.

The Cincinnati Florists' Society held a special meeting at the Sinton Hotel, Feb. 7, for the purpose of revising the By-Laws, the principal object being to change the meeting from Saturday to some other night during the week.

Wm. Sunderbruch now has a force of men at work at Brookhurst, the old Partridge plant; this has been formed into a stock company with Mr. Sunderbruch at the head as manager and grower, and it is hoped to make a success of this place under his management.

The Walnut Hills Floral Bazaar had a swell wedding decoration at Alms Hotel, Feb. 5, the occasion being the wedding of City Solicitor Ballard to Miss McCracken; about 500 guests were present. This same firm had a decoration Feb. 7 at the St. Nicholas Hotel for another swell occasion. E. G. GILLETT.

CALIFORNIA PRIVET

3 to 4 ft., heavy selected, $4.00 per 100, $35.00 per 1000. 2½ to 3½ ft., 6 or more branches, strong, $3.00 per 100, $25.00 per 1000. Fine 1 year, 18 to 24 inches, branched, $1.50 per 100, $10.00 per 1000. 12 to 18 inches, $1.25 per 100, $8.00 per 1000. 8 to 15 inches, light, $5.00 per 1000. Amoor River, 2 to 3 ft., well branched, $3.00 per 100. Packed free of charges.

CHARLES BLACK - Hightstown, N. J.

Please mention the Exchange when writing.

CALIFORNIA PRIVET 15 to 18 ins., $1.50 per 100, $13.00 per 1000; 18 to 24 ins., $1.75 per 100, $15.00 per 1000; 24 to 30 ins., $3.00 per 100, $25.00 per 1000 CASH WITH ORDER.

JOHN H. LANE, LITTLE SILVER, N. J.

Please mention the Exchange when writing.

Privet Cuttings

60 cents and 85 cents per 1000.

HARRY B. EDWARDS, Little Silver, N. J.

Please mention the Exchange when writing.

ROSES

WHITE KILLARNEY
MY MARYLAND
PINK KILLARNEY

Rooted cuttings and 2½-in. plants. Booking orders now for future deliveries.

THE RIGHT PLACE—THE RIGHT GOODS—THE RIGHT PRICES —COME AND SEE THEM GROW.

	R. C. per 100	R. C. per 1000	2½ in. per 100	2½ in. per 1000
White Killarney	$6.50	$60.00	$8.50	$75.00
White Killarney—grafted			14.00	125.00
Pink Killarney	4.00	35.00	6.00	55.00
Pink Killarney—grafted			12.00	110.00
My Maryland	4.00	35.00	6.00	55.00
My Maryland—grafted			12.00	110.00
Richmond	3.50	30.00	5.50	50.00
Brides			5.00	45.00
Kaiserin			5.00	45.00
American Beauty	4.00	35.00	7.00	65.00
Benched Beauties			8.00	75.00

BRIDES AND MAIDS GROWN TO ORDER ONLY.

2½-inch sizes will be offered, when ready, at 40 per cent. increase over 2½-inch. You cannot afford to buy poor stock at 50 per cent. less.

POEHLMANN BROS. CO., MORTON GROVE, ILL.

Please mention the Exchange when writing.

½ Million Roses

for February delivery in these and 400 other sorts

Summer grown, on own roots.

	Doz.	2½-in. 100	2½-in. 1000	4-in. 100
American Beauty	$0.85	$6.00	$50.00	
Anna de Diesbach	.50	3.50	30.00	$8.00
Anny Muller	.50	3.00	25.00	
Ball of Snow (Boule de Neige)	.50	3.50	30.00	8.00
Bridesmaid	.50	3.00	25.00	8.00
Bougere	.50	3.00	25.00	8.00
Catherine Zeimet (White Baby R.)	.50	3.50	30.00	10.00
Duchesse de Brabant	.50	3.00	25.00	7.00
Etoile de Lyon	.50	3.00	27.50	8.00
Gruss an Teplitz (Vir. R. Coxe)	.50	3.00	27.50	8.00
Helen Gould (Balduin)	.50	3.00	27.50	8.00
Madame Masson	.50	3.50	30.00	7.50
Mlle. Franzisca Krueger	.50	3.00	25.00	8.00
Magna Charta	.50	3.50	30.00	7.00
Maman Cochet, Pink	.50	3.00	27.50	8.00
Marechal Niel (4-in. 10c., 12c., 15c)	.50	3.50	30.00	15.00
Marie van Houtte	.50	3.00	25.00	7.00
Meteor	.50	3.00	27.50	8.00
Papa Gontier	.50	3.00	27.50	7.00
Phyllis (Pink Baby Rambler)	.50	3.50	30.00	
Queen's Scarlet	.50	3.00	25.00	8.00
Reine Marie Henriette	.50	3.00	25.00	8.00
Rhea Reid	.60	4.00	35.00	10.00
The Bride	.50	3.00	25.00	8.00
Wellesley	.50	3.50	30.00	9.00
White Bougere	.50	3.00	25.00	8.00
White Maman Cochet	.50	3.00	27.50	8.00

Let us know your entire wants in Roses.

THE LEEDLE FLORAL COMPANY SPRINGFIELD, OHIO

Please mention the Exchange when writing.

THE AMERICAN CARNATION

Price, $2.50

A. T. DE LA MARE PTG. & PUB. CO. LTD

NEW

CARNATIONS

The two prize winning introductions of the Cottage Gardens.

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full center; color deep pink several shades lighter than Lawson, deeper than Winsor; having strong, erect stems 24 to 36 inches in length. A vigorous, healthy grower and has never shown disease of any kind.

AWARDS

Society of American Florists, Silver Medal, Boston, 1906; The Craig Cup for Best Seedling, Philadelphia, 1906; The Lawson Bronze Medal, Washington, 1908; The Horticultural Society of New York Silver Medal, Sweepstake prize for best 100 blooms, New York, 1909; The Horticultural Society of New York Diploma, for best new variety, New York, 1909.

PRICES FOR ROOTED CUTTINGS

$2.00 per 12, $12.00 per 100, $100.00 per 1000. 25 at the 100 rate, 250 at the 1000 rate.

Delivery February 20th

ALMA WARD

This beautiful Carnation is pure white except during dark weather when it shows delicate splashings of pink similar to the Cattleya Orchid, increasing its popularity.

ALMA WARD is the largest and most fragrant Carnation ever grown, producing perfect flowers 3½ to 4½ inches in diameter on strong, erect stems 36 to 42 inches in length.

AWARDS

The Lawson Silver Medal, Toronto, 1907, (No Gold Medal having been awarded); The Lawson Gold Medal, Washington, 1908; The Society of American Florists' Silver Medal, Washington, 1908.

PRICES OF ROOTED CUTTINGS

$3.00 per 12, $5.00 per 25, $9.00 per 50, $15.00 per 100, $35.00 per 250, $65.00 per 500, $120.00 per 1000.

Delivery March 1st

These varieties bring from $2.00 to $4.00 per 100 more than any other Carnation sold in the New York market.

COTTAGE GARDENS CO., Inc.
QUEENS, LONG ISLAND, N. Y.

Please mention the Exchange when writing.

Rooted Carnation Cuttings

NEW CARNATIONS FOR 1910

	Per 100		Per 100
Dorothy Gordon, $75.00 per 1000	$10.00	Admiration	$12.00
Shasta	12.00	Alma Ward....$2.50 per dozen	15.00
Scarlet Glow	12.00	Mrs. C. W. Ward	12.00
Sangamo	12.00	Conquest	12.00

CARNATIONS OF 1909

	Per 100		Per 100
O. P. Bassett	$6.00	Ruby	$6.00
Pink Delight	6.00	Mrs. J. C. Vaughan	6.00
Mrs. Chas. Knopf	6.00	Georgia	6.00

STANDARD VARIETIES

WHITE VARIETIES	Per 100	PINK VARIETIES	Per 100
White Enchantress	$3.00	Winsor	$3.00
Lady Bountiful	3.00	Afterglow	3.00
White Perfection	3.00	Splendor	3.00
Queen Louise	2.00	Pink Imperial	2.50
The Queen	2.00	Rose Pink Enchantress	2.60
My Maryland	2.00	Mrs. Thos. Lawson	2.00
Sarah Hill	3.00	Nelson Fisher	2.00
Lloyd	3.00	Mabelle	1.60
		Variegated Enchantress	2.60
RED VARIETIES		**YELLOW VARIETIES**	
Robert Craig	3.00	Eldorado	2.00
John E. Haines	2.00	Golden Beauty	2.00
Beacon	3.60	**VARIEGATED VARIETIES**	
Flamingo	2.00	Mrs. Patten	2.60
Victory	3.00	Jessica	2.60
Roosevelt	2.00		
Harlowarden	2.00		
Cardinal	2.00		

GRAFTED AND OWN ROOT ROSES READY FOR EARLY DELIVERY. SEND FOR CIRCULAR

CHOICE VARIETIES OF VERBENAS

Rooted Cuttings, our selection; 75c. per 100; $6.00 per 1000.
Plants, 2¼-in. pots, our selection; $2.60 per 100; $20.00 per 1000.
Rooted Cuttings, purchaser's selection; $1.00 per 100; $8.00 per 1000.
Plants, 2¼-in. pots, purchaser's selection; $3.00 per 100; $26.00 per 1000.
Entirely sold out of Miss Willmott cuttings and plants.

J. L. DILLON, Wholesale and Retail FLORIST, **Bloomsburg, Pa.**

Please mention the Exchange when writing.

THE AMERICAN CARNATION Price, $3.50 Send for Sample Pages

A. T. DE LA MARE PRINTING & PUBLISHING CO. Ltd. 2 to 8 Duane Street, New York

Washington, D. C.

The depressed conditions of last week have somewhat improved, but business on the whole is rather quiet for this time of the year with the possible exception of a good deal of funeral work occasioned by an invasion of grippe.

By far the coldest night of the Winter was experienced February 5, with high wind, and the work of adequately heating the various local growing ranges was a proposition out of the usual order of affairs. J. L. C.

Baltimore

We are just passing out of the clutches of the severe cold snap that has been with us for the past few days; in some instances the trade was handicapped, being unable to handle cut blooms on the city markets.

Society has been in full blast and, from all reports, the trade has had its share, the several functions calling for many uptodate decorations and an abundance of plants and choice cut flowers has been called for.

Lent is now at hand and the season will naturally be dull with the exception of the funeral work.

This season the trade accepts conditions with but little complaint, and the Easter season is looked for this year with the prospects of a record breaker as business has been in most cases exceedingly good.

Roses are a little more plentiful, coming in slowly, while Carnations are beginning to get scarce, however the crop is holding up well. Callas are slowly coming in, while all kinds of bulbous stock is plentiful and almost any amount can be had. Smilax and Asparagus are enough to meet the demand. Laurel is a little scarce yet on account of the snow which is still on the ground but the prospects are that in a few days it will all be gone.

Philip Buckingham of Woodbrook, Md., who has entire charge of C. R. Diffenderffer's range of houses, has them in tiptop shape, excepting one house of Enchantress Carnations which are splitting.

Harry Biggs of Mt. Washington, Md., has taken charge of G. G. Skinner's range of houses.

W. Price of Govans, Md., has a beautiful house of Bride, Bridesmaid and Richmond Roses with stems about six feet long.

Harry Biggs of Mt. Washington has again taken charge of the country home of H. G. Skinner, and has his range of greenhouses in fine condition; he has a yellow Calla in bloom that attracts considerable attention.

E. Holden of Catonsville, Md., who makes a specialty of growing vegetables under glass reports his Tomato crop and Mushrooms a success. In Mushrooms Lolliards, Frogmore and Comet are the varieties he grows, and he averages 20c. to 30c. a pound. This crop is about exhausted and he will grow Radishes and Lettuce. He also built a new Mushroom house last Summer, 30x100 ft.

The old establishment of H. Wiedey, York road, for many years in the florist's business, is now selling oysters; their houses have gone to pieces and they never rebuilt.

Peter Graber, Stn. D, is growing an extra fine lot of Amaryllis, Johnsoni and Formossisima varieties, also Carnations.

Arthur Finley of Arbutus, who has gone into Carnations reports his crop in good condition, cutting 400 a week out of one house, 35x100 ft., and will grow Scarlet Sage on a large scale.

Albert Fiedler & Co., 902 S. Charles st., is sending out to his trade a beautiful calendar showing Autumn days; it is very attractive and a sketch from an original oil painting by Edwin Landseer. Mr. Fiedler is one of the most energetic young men in the retail business, and has a host of friends. Success has met him on every turn he has made, and his attractive store, with large French plate windows are always decorated to fit the season of the year. A short time ago he built a large range on the Belair road; he uses all the stock grown there and also buys heavily at the Exchange.

John Cook, N. Charles st., is carrying very attractive window displays of various kinds of Spring flowers which catch the eye.

The stalls in the market look as though Spring was here again, Sweet Peas, Pansies, Tulips, Azaleas and Primroses are to be seen and are selling satisfactorily. J. L. T.

Carnations

LATE DELIVERY PRICES

White Perfection, Rose Pink Enchantress and Victory, $15.00 per 1000.
Lawson, Enchantress and Beacon at $20.00 per 1000.
O. P. Bassett and Alvina at $35.00 per 1000.
Lawson, Winsor and Harry Fenn at $10.00 per 1000.

Hundreds supplied at thousand rates

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

Carnation Cuttings

	100	1000
Beacon, Enchantress, White Enchantress, White Perfection, Winona, Lawson-Enchantress	$2.50	$20.00
Winsor	1.50	12.50
Georgia	4.00	35.00

WHITE BROTHERS,
GASPORT, N. Y.

Please mention the Exchange when writing.

Carnation Cuttings

For Present and Later Delivery

	100	1000
Beacon, Enchantress, White Enchantress, White Perfection	$2.50	$20.00
Winona, Lawson Enchantress	3.00	25.00
Georgia	5.00	40.00

Special price until Feb. 20, first class Winsor cuttings, $1.50 per 100, $12.50 per 1000.

GEO. B. HART
24 Stone St., ROCHESTER, N. Y.

Please mention the Exchange when writing.

Rooted Cuttings

	Per 100	1000
Perfection	$2.00	$17.50
Georgia	5.00	
Enchantress	2.00	15.00
Rose Enchantress	2.00	12.50
Winona	3.00	26.00
Afterglow	2.00	16.00
Winsor	2.00	12.50
Harry Fenn	2.00	12.50
Beacon	2.50	20.00

Boston Ferns, from bench, $2.50 per 100, $20.00 per 1000; ready to plant.

QUIDNICK GREENHOUSES
J. H. Cushing, Prop., Quidnick, Anthony P. O. R. I.

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OWING to the scarcity of Carnation Cuttings this season there is good opportunity for those who are so situated as to be able to propagate them, especially the standard varieties, in time for this Spring's sales. Those growers having surpluses of recognized commercial varieties are advised they can make sales readily through an advertisement in these columns.

Prices Advertised in these Columns are for THE TRADE ONLY

SHASTA

WE are now shipping fine, strong cuttings of **Shasta,** as fast as they are ready to come out of the cutting bench. Orders on our books will take all that will be ready up to February 15th. If you want late February delivery you should send in your order at once before the other fellow gets them.

Come and see it growing if you can. Once you see it you will want to grow it. $12.00 per 100, $100.00 per 1000.

BAUR & SMITH, Indianapolis, Ind.

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Rooted Carnation Cuttings

	100	1000
WHITE		
Alma Ward	$15.00	$120.00
Shasta	12.00	100.00
Niagara	6.00	50.00
Georgia	6.00	60.00
Mrs. J. C. Vaughan	6.00	60.00
White Perfection	3.00	25.00
White Enchantress	3.00	26.00
Snow Flake	3.00	25.00
Lloyd	2.50	20.00
RED		
O. P. Bassett	6.00	50.00
Beacon	3.00	25.00
PLUM COLOR		
Gov. Dineen	6.00	50.00
CRIMSON		
Ruby	6.00	50.00
Wanoka	6.00	50.00
PINK		
Admiration	$12.00	$100.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Mary Tolman	12.00	100.00
Dorothy Gordon	10.00	75.00
May Day	6.00	50.00
Winsor	3.00	25.00
Afterglow	3.00	25.00
Winona	3.00	25.00
Enchantress	2.50	20.00
Ross Pk. Enchantress	2.50	20.00
VARIEGATED		
Conquest	12.00	100.00
Bay State	6.00	50.00
Apple Blossom	6.00	50.00
Mrs. M. A. Patten	2.50	20.00

Strong, clean cuttings—Ready for shipment now.

S. J. REUTER & SON, Inc., Westerly, R. I.

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Strong Rooted Carnation Cuttings from Clean, Healthy Stock that Wins Prizes Wherever Shown. These Cuttings are the Best that Money Can Buy.

	Per 100	Per 1000
Sangamo	$12.00	$100.00
Conquest	12.00	100.00
Mary Tolman	12.00	100.00
White Enchantress	3.00	25.00
White Perfection	3.00	25.00
Enchantress	2.50	20.00
May Day	6.00	50.00
Daybreak Lawson	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Winona	3.00	25.00
Winsor	$3.00	$25.00
Splendor	3.00	25.00
Alvina	5.00	45 00
Aristocrat	3.00	25.00
Afterglow	3.00	25.00
Lawson-Enchantress	3.00	25.00
O. P. Bassett	6.00	50.00
Victory	3.00	25.00
Beacon	3.00	25.00
Gov. Deneen	5.00	45.00
Andrew Carnegie	3.00	25.00

Guaranteed to be satisfactory in every respect

Chicago Carnation Co., A. T. PYFER, Mgr. JOLIET, ILL.

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CARNATIONS

Rooted Cuttings. Clean, healthy stock.	100	1000
Enchantress	$2.50	$20.00
Pure White Enchantress	3.00	25.00
Rose Pink Enchantress	2.75	22.50
White Perfection	2.75	22.50
Winona	3.00	25.00
Beacon	3.50	30.00
Winsor	2.50	20.00
Harlowarden	2.00	18.00

Cash with order.

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There are none better than **Little Beauty, Lord Byron, Renan** and **White Beauty.** Strong 2½-in. pots ready, $4.00 per 100. New **Heliotrope,** Miss Berenice, a sport of Mad. Bruant and a great improvement on the latter 2½-in. pots, $8.00 per 100. Katalog for the asking

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

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Strong, Healthy, Well Rooted Cuttings, Now Ready

	100	1000
GEORGIA, best white	$5.00	$50.00
HARVARD, crimson	4.00	35.00
FAUST, Christmas scarlet	3.00	25.00
ENCHANTRESS	2.50	20.00
ROSE PINK ENCHANTRESS	2.50	20.00
WHITE ENCHANTRESS	$3.00	$25.00
WINSOR	2.50	20.00
BEACON	3.00	25.00
VICTORY	2.50	20.00
BAY STATE	6.00	50.00
VICTORIA (extra good)	4.00	35.00

Remember, we guarantee satisfaction.

Address all orders to

JAMES D. COCKCROFT, NORTHPORT, L. I., N. Y.

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National and Trade Organizations

To our subscribers the compilation which follows will often be found of service. Omissions there are several, due to not receiving replies to inquiries. If any inaccuracies are noted we shall be pleased to be informed.

National Societies

American Association of Nurserymen.—President, F. H. Stannard, Kansas; Vice-president, N. P. Stark, Missouri; Secretary, George C. Seager, Rochester, N. Y.; Treasurer, C. L. Yates, Rochester, N. Y.

American Ass'n of Park Superintendents. President, John W. Duncan, Jamaica Plain, Mass.; Secretary and Treasurer, F. L. Mulford, 75 N. 16th st., Harrisburg, Pa.

American Ass'n of R. R. Gardeners.—President, Geo. B. Moulder, Chief Gardener Ill. Central R. R.; Vice-president, Patrick Foy, Chief Gardener Norfolk & Western R. R.; Secretary and Treasurer, J. S. Butterfield, Mo. Pacific System.

American Carnation Society.—President, Fred Burki, Gibsonia, Pa.; Vice-President, Allan Peirce, Waltham, Mass.; Secretary, A. F. J. Baur, Indianapolis, Ind.; Treasurer, Fred Dorner, Jr., LaFayette, Ind.

American Peony Association.—President, B. H. Farr; Vice-president, C. J. Maloy; Secretary, A. H. Fewkes; Treasurer, J. H. Humphreys.

American Pomological Society.—President, L. A. Goodman, Kansas City, Mo.; Vice-president, T. V. Munson, Denison, Tex.; Secretary, John Craig, Ithaca, N. Y.; Treasurer, L. R. Taft, Agricultural College, Mich. Meetings are held once in two years.

American Rose Society.—President, Aug. F. Poehlmann, Morton Grove, Ill.; Vice-president, F. R. Pierson, Tarrytown, N. Y.; Treasurer, H. O. May, Summit, N. J.; Secretary, Benj. Hammond, Fishkill, N. Y.

American Seed Trade Association.—President, J. C. Robinson, Waterloo, Neb.; First Vice-president, M. H. Duryea, New York; Second Vice-president, W. W. Bolgiano, Washington, D. C.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Asst. Secretary, Leonard H. Vaughan, Chicago, Ill.

Am. Society of Landscape Architects.—President, Charles N. Lowrie, New York; Vice-President, Warren H. Manning, Boston; Treasurer, H. A. Caparn, New York; Secretary, Charles D. Lay, New York. Annual elections in January.

Canadian Horticultural Association.—President, H. E. Philpott, Winnepeg, Man.; First Vice-President, J. Connon, Hamilton, Ont.; Second Vice-President, R. L. Dunn, St. Catherines, Ont.; Treasurer, H. Simmers, Toronto, Ont.; Secretary, Wm. E. Hall, Montreal.

Chrysanthemum Society of America.—President, Elmer D. Smith, Adrian, Mich.; Vice-president, Eugene Dailledouze, Flatbush, N. Y.; Treasurer, John N. May, Summit, N. J.; Secretary, C. W. Johnson, Morgan Park, Ill.

Greenhouse Vegetable Growers and Market Gardeners' Association.—President, C. W. Waid, New Carlisle, O.; Vice-president, Franklin de Kleine, Grand Rapids, Mich.; Secretary, S. W. Severance, Louisville, Ky.; Treasurer, M. L. Ruetenik, Cleveland, O.

National Association of Gardeners.—President, Wm. Kleinheinz, Ogontz, Pa.; First Vice-president, James Bell, Garrison, N. Y.; second Vice-president, A. J. Smith, Lake Geneva, Wis.; Secretary, W. E. Maynard, Arlington, N. J.; Treasurer, Chas. Dumper, Bay Shore, L. I., N. Y.

National Nut Growers' Association.—President, J. B. Wight, Cairo, Ga.; First Vice-president, J. B. Curtis, Orange Heights, Fla.; second Vice-president, H. C. White, De Witt, Ga.; Secretary, J. F. Wilson, Poulan, Ga.;

CARNATIONS

ROOTED CUTTINGS

	100	1000
WHITE		
Apple Blossom	$6.00	
Mrs. J. C. Vaughan	5.00	
White Perfection	2.50	$22.00
White Enchantress	2.50	22.00
The Queen	1.50	12.00
PINK		
Pink Delight	6.00	
After Glow	4.00	30.00
Viola Sinclair	3.50	
Lawson Enchantress	3.50	30.00
Winona	3.50	30.00
Rose Pink Enchantress	2.50	20.00
Enchantress	2.00	18.00
Mrs. Thos. Lawson and Winsor	1.50	14.00
RED		
Beacon	2.26	20.00
CRIMSON		
Harvard	3.50	30.00
Harry Fenn	1.50	12.50

January and February delivery.

Less 3 per cent. for cash with order. Quality guaranteed or money refunded.

B. F. BARR & CO., Keystone Nurseries, Lancaster, Pa.

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Rooted Cuttings

Mrs. C. W. Ward, $12.00 per 100, $100.00 per 1000.

Alma Ward, $15.00 per 100, $125.00 per 1000.

Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett, $5.00 per 100, $50.00 per 1000.

White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink, Enchantress and Harlowarden, $3.50 per 100, $30.00 per 1000.

New crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons, at 25c. and $1.00 per package.

CHAS. H. TOTTY

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OWING to the scarcity of Carnation Cuttings this season there is good opportunity for those who are so situated as to be able to propagate them, especially the standard varieties, in time for this Spring's sales. Those growers having surpluses of recognized commercial varieties are advised they can make sales readily through an advertisement in these columns.

Dracæna Indivisa

Large plants in 5-in. pots, $20.00 per 100. GERANIUMS, S. A. Nutt, in 2½-in. pots, $2.00 per 100, $18.00 per 1000. Other varieties of Geraniums will be ready later on.

E. L. RILEY, Trenton, N. J.

R. F. D. No. 2.

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Carnation Dorothy Gordon at Pittsburg

You must have seen and admired our Carnation Dorothy Gordon at the Pittsburg meeting, if you were there; our exhibits of this superb new variety attracted a vast amount of attention and caused much favorable comment from the hundreds of visitors who saw it. If you missed the show, just notice the very flattering mention that "Dorothy Gordon" received in the reports appearing in your trade publications of last week.

Our exhibit of 100 "Dorothy Gordon" in Section "A" won Second Prize; but more than any award we value the opportunity that many more of our friends had at that meeting for seeing this worthy new variety and passing on its merits at first hand.

We have already sold more than 100,000 rooted cuttings this season and the limit of our growing capacity has nearly been reached. If planning to feature "Dorothy Gordon" this year, you should get in your order at once. Not much time is left, anyway—so write us NOW if you want any stock this Spring. Don't delay! Prices remain as previously quoted:

$10.00 per 100, $75.00 per 1000.

Come and see it if you can, or write us for literature and full particulars—free. We'll gladly answer your question.

Joseph Heacock Company, Disseminators, Wyncote, Pennsylvania

Please mention the Exchange when writing.

Treasurer, C. P. Close, College Park, Md.

National Sweet Pea Society of America. President, H. Turner, Port Washington, N. Y.; Vice-President, W. H. Waite, Greystone, Yonkers, N. Y.; Secretary, H. A. Bunyard, New York; Treasurer, Wm. Duckham.

Pacific Coast Horticultural Society.— President, P. Matraia; Vice-President, J. R. Atkinson; Secretary, T. F. Taylor; Treasurer, D. McLaren. Meets first Saturday of each month in Polita Hall, 16th St., near Dolores St. Annual election of officers in January.

Society of American Florists' and Ornamental Horticulturists.— President, F. R. Pierson, Tarrytown, N. Y.; Vice-president, F. W. Vick, Rochester, N. Y.; Secretary, H. B. Dorner, Urbana, Ill.; Treasurer, H. B. Beatty.

State Florists' Association of Illinois.— President, C. E. Gullett, Lincoln, Ill.; Vice-President, George B. Franks, Champaign, Ill.; Secretary, J. F. Ammann, Edwardsville, Ill.; Treasurer, Frank L. Washburn, Bloomington, Ill.

Florists' Clubs

Albany Florists' Club.— President, F. Goldring; Vice-president, John Sambrook; Secretary, L. Menand; Treasurer, F. A. Danker. Meets first Thursday of each month at 75 State st., Albany, N. Y. Annual election of officers first Thursday in November.

Buffalo Florists' Club.— President, E. A. Slattery; Vice-president, Charles Guenther; Financial secretary, Emil Brinker; Secretary, Wm. Legg. Meets first Tuesday of each month at Wm. F. Kasting Hall. Annual election of officers in March.

Chicago Florists' Club.— President, Geo. Asmus; Vice-president, H. E. Philpott; Secretary, L. H. Winterson; Treasurer, E. F. Winterson; Trustees, John P. Degnan, Alexander Henderson, H. N. Bruns. Meets first Thursday of each month at 111 East Randolph st. Annual election of officers in January.

Cincinnati Florists' Club.— President, J. A. Peterson; Vice-president, C. E. Critchell; Secretary, Albert Sunderbruch; Treasurer, D. Rusconi. Meets second Monday of each month at Jabez Elliott Flower Market. Annual election of officers in June.

Cleveland Florists' Club.— President, Chas. J. Schmidt; Secretary, Isaac Kennedy; Treasurer, Herman Hart. Meets second and fourth Mondays of each month at Probeck Hall. Annual election of officers in December.

Columbus Florists' Club.— President, R. A. Currie; Vice-president, C. P. Torrey; Secretary, James McKellar; Treasurer, O. A. Munk; Trustees, S. Stephans, Geo. Bauman, I. D. Seibert, Wm. Metzmaier, C. D. Battelle. Annual election of officers in October.

Commercial Florists' Association of Rochester.— President, F. W. Vick; Vice-president, E. P. Wilson; Secretary, H. B. Stringer; Treasurer, W. L. Keller. Meets second Monday of each month at Room 416, Cutler Building. Annual election of officers in January.

Dayton Florists' Club.— President, H. H. Ritter; Vice-president, Mrs. J. F. Young; Secretary, Horace M. Frank; Treasurer, Geo. W. Bartholomew. Meets first Monday of each month at 37 East Fifth st. Annual election of officers in March.

Detroit Florists' Club.— President, Chas. Plumb; Vice-president, George E. Browne; Secretary, Hugo Schroeter; Treasurer, Robert Rahaley. Meets first and third Mondays of each month in the Cowle Building, 42-46 Gratiot ave. Annual election of officers in August.

F. and G. Club of Rhode Island.— President, Robert Johnston; Vice-president, Eugene Appleton; Secretary, Wm. E. Chappell; Treasurer, Wm. Hill. Meets third Monday of each month at 96 Westminster st. Annual election of officers in November.

G. and F. Club of Baltimore.— President, J. J. Perry; Secretary, N. F. Flitton; Treasurer, F. G. Burger. Meets second and fourth Mondays of each month at Florists' Exchange Hall, Franklin and St. Paul sts. Annual election of officers second Monday in March.

Gardeners and Florists' Club of Boston. President, John W. Duncan; Vice-president, Peter M. Miller; Secretary, Wm. N. Craig; Treasurer, Edward Hatch. Meets third Tuesday of each month at Horticultural Hall. Annual election of officers in December.

Los Angeles Florists' Club.— President, Otto Heutschy; Vice-President, James McGillivray; Secretary, Angus McLeod; Treasurer, Wm. Niel Campbell. Meets first and third Friday of each month in the Board of Trade Rooms. Annual election of officers in January.

Minnesota State Florists' Association.— President, Theo. Wirth; Vice-president, Aug. S. Swanson; Secretary, J. P. Jorgenson; Treasurer, E. Nagel. Meets third Tuesday of each month at 510 Snelling ave., St. Paul. Annual election of officers in September.

New York Florists' Club.— President, Abraham L. Miller; Vice-president, Joseph A. Manda; Secretary, John Young; Treasurer, W. C. Rickards, Jr. Meets second Monday of each month in the Grand Opera House bldg., 23d st. and Eighth ave. Annual election of officers in December.

Pasadena Gardeners' Association.— President, Otto Hentschey; Vice-president, James McGillivray; Secretary, Angus McLeod; Assistant Secretary, G. W. Johnson; Treasurer, Wm. Hutchison. Meets first and third Fridays of each month. Annual election of officers in January.

Philadelphia Florists' Club.— President, Jos. Heacock; Vice-president, Alfred Burton; Secretary, David Rust; Treasurer, Geo. Craig. Meets first Tuesday of each month in Horticultural Hall. Annual election of officers in December.

Pittsburg Florists and Gardeners' Club. President, F. Burki; Vice-president, P. S. Randolph; Secretary, H. P. Joslin; Treasurer, H. L. Blind; Executive Committee, E. C. Reineman, J. Wyland, J. Bader. Meets first Tuesday of each month at the Fort Pitt Hotel. Annual election of officers in February.

St. Louis Florists' Club.— President, Geo. B. Windler; Vice-president, John Connon; Secretary, J. J. Beneke; Treasurer, Wm. C. Smith; Trustees, A. J. Bentzen, H. C. Ostertag, Chas. E. Schoenle. Meets second Thursday of each month at Hall No. 2, Odd Fellows' Building. Annual election of officers in August.

Scranton Florists' Club.— President, D. W. Evans; Vice-president, B. E. Cokely; Secretary, T. B. McClintock; Treasurer, Wm. McDonald. Meets first Friday of each month in Rauh's Hall. Annual election of officers in October.

State Florists' Association of Illinois.— President, C. E. Gullett of Lincoln; Vice-president, G. B. Franks of Champaign; Secretary, J. F. Ammann, of Edwardsville; Treasurer, Frank C. Washburn of Bloomington. Next annual convention at Urbana, Ill. Annual election of officers in February.

State Florists' Association of Indiana.— President, J. S. Stuart; Vice-president, Herman Junge; Secretary, A. F. J. Baur; Treasurer, Homer Wiegand. Meets first Tuesday of each month in State House. Annual election of officers in January.

Utica Florists' Club.— President, F. J. Baker; Vice-president, Seward Hakes; Secretary, J. C. Spencer; Treasurer, C. F. Seitzer. Meets first Thursday of each month in Genesee Hall, Oneida Square. Annual election of officers in May.

Washington Florists' Club.— President, F. H. Kramer; Vice-president, John Robertson; Secretary, O. A. C. Oehmler; Treasurer, Wm. F. Gude. Meets first Tuesday of each month, usually at Gude's Hall, 1214 F st., N. W. Annual election of officers in March.

MARY TOLMAN

Winner of First Prize at Milwaukee. Deep flesh pink, the most beautiful color of any in this class. Does not fade in the strongest light. An excellent, clean, upright grower long, stiff stems and perfectly formed flowers. Will produce more perfect blooms in a season than Enchantress. We want your order for this excellent Carnation. Orders booked now for January, 1910, delivery.

$12.00 per 100, $100.00 per 1000

A. E. Hunt & Co. EVANSTON, ILL. — **Chicago Carnation Co.** JOLIET, ILL. — **Hunt Bros.** PARK RIDGE, ILL.

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CONQUEST

Light pink overlaid with deep rose. The most valuable and fancy Carnation on the market.

Winner of First Prize Wherever Shown

Habit of Lawson; very free; stem long as Enchantress and stiff; the flowers are large and well formed, making a good impression wherever shown, and can be used to good advantage in many different ways.

Chicago Carnation Co.
A. T. Pyfer, Mgr., JOLIET, ILL.

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SANGAMO

Brilliant glistening pink, brighter than Winsor or Winona

WINNER AT CHICAGO, ST. LOUIS AND MILWAUKEE FLOWER SHOWS

Perfectly formed flowers on long, stiff stems; calyx does not split. The most **PROLIFIC** Carnation grown to-day. Everybody pronounces it the best "bread-and-butter" Carnation they have ever seen growing.

ROOTED CUTTINGS, ready Jan. 1st., **$12.00 per 100, $100.00 per 1000.**

CHICAGO CARNATION CO. JOLIET, ILL. — **A. C. BROWN** SPRINGFIELD, ILL.

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"Canary Bird"

THE BEST YELLOW CARNATION EVER INTRODUCED

EARLY—FREE—LARGE

Rooted Cuttings Ready Now, per 100 $12.00, per 1000 $100.00

Henry Schrade Saratoga Springs, N. Y. — **Scranton Florist Supply Co.** Scranton, Pa.

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Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

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LUCILLE

The new Carnation, that will bring you more dollars and cents than any other Carnation. Try it. $12.00 per 100; $100.00 per 1000.

Write for circular.

A. F. LONGREN, Des Plaines, Ill.

Please mention the Exchange when writing.

Parasitic Plants on Rhododendrons

Editor The Florists' Exchange:

Referring to the discussion on the above subject, page 164, issue Jan. 29:

Mr. Pedersen's article should stop any one worrying so far as parasites are concerned.

What is of more vital interest to lovers of these beautiful shrubs is what Mr. MacLellan says in regard to their being injured through allowing the ball of newly planted stock to dry out. While there is less danger from this source when they are planted in shade and naturally moist places, it is great in exposed, high and dry places. Again, the same danger is likely to occur through improperly planting collected plants with strong woody roots, as a cavity is apt to form under the mass of fibrous roots, allowing water to soak freely from them and air ingress to dry them.

Once let the ball of roots of any plant get thoroughly dry after planting in new or loose ground and it is next to impossible to soak it through in dry weather without perforating it.

The Rhododendron will grow in most soils providing that soil is naturally moist, but in good deep rich loam it revels. To emphasize the necessity of moisture for these plants I will mention one near by, as fine a specimen as one could wish, measuring some 12 ft. high and rather more in diameter, with branches sweeping the ground and every year covered with grand bloom; it is planted on low ground a few feet above high water (tide) and close to a small stream. On this place I have a number planted in sandy soil; although I dug out a cartload of sand and filled in good loamy compost to each plant, and mulch every Fall, yet a week's drought will dry them up. During a dry spell I soak them every day with water free from lime, and they merely exist. I attribute this to the sandy subsoil which permits of quick leaching and evaporation.

Oyster Bay, N. Y. ALFRED H. WALKER.

Dahlia Lists

Editor The Florists' Exchange:

The several articles appearing in recent issues of the EXCHANGE, relative to shortening the Dahlia lists, have been of unusual interest to the Dahlia growers. I venture to say there is not one among the fraternity but at heart wishes that his list could be cut at least one-half. This would leave him free to study and better acquaint himself with the remaining half. The question is not a new one but has appeared from time to time, and in various forms in the Dahlia literature of the past years.

Mr. Vincent, who started the present discussion in the issue of Dec. 11, states the question very fairly, and the well-nigh hopeless task of deciding upon the victims for the headsman's axe has been felt by other growers time and again.

Still, it is plainly evident that the axe must fall and fall many times. That a list could be prepared that would be satisfactory to all I believe to be improbable if not impossible, for the reason that many varieties good in one locality are worthless in another. This is not characteristic of the Dahlia only but is true of fruits, Potatoes, Corn, and an endless variety of plants.

We must not lose sight of the fact that this is a very large country in which we have practically all the climates of the world with a few variations thrown in. So it is not to be wondered at that some varieties of Dahlias should act very differently in one locality from what they do three thousand miles away and under a very different climate.

As to the question "Who will reduce the list?" I think this is easier to answer than the one that would naturally follow, namely, "How can we get concerted action among the growers?"

From one point of view it would seem that a free discussion of varieties discarded, or to be discarded, would be the proper move. But from another point of view this would be very disastrous and almost sure to lead to personal feelings. The season of 1910 is upon us and it would be manifestly unjust to dealers to open up a systematic "knocking" on the stock they offer for sale.

In my time I have grown some 1200 to 1500 named varieties, and have done more or less "reducing" all along and, for several years back, have tried to keep my list to about the 150 mark, taking on a few each year and discarding a like number. I do not claim of course that the 150 embraces all the good varieties, for it does not. If it will be of service to other growers I will say that I have worked along three general lines in reducing the list, and these lines can be worked by others with perfect safety.

First, To hold to those varieties which give general satisfaction in widely separate localities and are found reliable even in unfavorable seasons. These, of course, should be of good colors and good habits. There are many varieties which meet all these requirements.

Second, To cut out varieties as far as circumstances will permit which do well only in special locations and favorable seasons; also varieties that are poor in color, stem and habit.

Third, To cut out varieties where the root formation is such as to render the variety unprofitable by reason of a tendency to disease or ill-formed roots, that is roots with weakly necks or of bad keeping qualities; others again make roots so small that they are unsalable.

A grower moving along these lines will be surprised to see how many varieties can be discarded and at the same time will improve the general worth of his list.

As stated previously these are but general lines and, of course, can be modified as occasion requires. A variety that stands alone by reason of form, color or size, even though faulty in some respects, is nevertheless entitled to be grown until another of the same class but less faulty comes to take its place.

The new England Dahlia Society has had the question of "Reliable Dealers" under discussion for some time past, and in a recent issue of the EXCHANGE Mr. Bassett raises the question of "Mixtures." From all of these questions good should result.

One statement, however, in Mr. Bassett's article, I think, needs some further explanation or a wrong impression may be given. In discussing the matter of dividing, he says: "Divided roots are not worth more than one-third as much as undivided stock." The correctness of this statement is dependent to some extent on the variety but far more upon the handling the stock has received. Some undivided stock may be worth five times as much as divisions, and in other instances five whole clumps may not be worth as much as one division. If stock has been dug and thrown from place to place carelessly every tuber may be broken at the neck and the purchaser pays expressage for worthless stock. A division if made by competent hands means one or more tubers in perfect condition with all mangled tubes removed. I think, however, I understand Mr. Bassett's position. He is speaking of values under normal conditions. Taking this view his statement is substantially correct, only I think his relative values a little high; I would say about one-half instead of one-third.

Denver, Colo. W. W. WILMORE.

An Advertising Post Card Designed by A. B. Reynold's, Ballston Spa, N. Y., Grower of Bedding and Vegetable Plants

Dahlias—Reducing the List

Editor The Florists' Exchange:

Mr. Peacock has left little to be said on this point, and the main point he makes—that each grower and dealer must make his own list—hits the case exactly. There is one thing that must be taken into account, which is that the Dahlia business has overgrown the capacity of any one individual or firm, and no one, however well he understands the business, or how well he be prepared for it, can expect to cover the whole ground. In a very interesting letter I received recently from an enthusiastic young Dahlia specialist he said he would add 300 varieties to the 1200 he already has.

My experience with some of those recommended by Mr. Vincent and Mr. Peacock does not quite coincide with theirs, and they have also omitted some of those which I consider among the very best. A year ago I secured a half-dozen roots of Virginia Maule, which I propagated and then secured some more plants in Spring, getting about 125 plants, which were all planted in one row. These were all direct from the introducer and all appeared to be good plants when set out. The land was a sandy loam in good condition and they were all cultivated well, and some watering done, but some of them refused to grow, while others became very strong and vigorous, and a few of the poorer specimens died outright. The balance of the small ones grew slowly and at blooming time the flowers were less than half size and somewhat higher colored than those on the strong plants, and I suspected they were an entirely different variety, but I was told that they were not and that this was a habit of the variety. Now, I do not feel quite sure that this is correct, but I am not trying to propagate my stock and will have the good ones all planted separately and see what happens next season. But, as some fifteen to twenty per cent. went bad, I think it rather poor encouragement to plant this variety until it is more reliable.

Mr. Vincent calls Mme. Van den Dael medium in size. I have always considered it very large. White Dandy is not pure white and is too small although it is a healthy grower and gives good long stems. His statement that the ideal white Cactus Dahlia is still missing may be considered substantially correct, but Pius X comes pretty close to it. I have tried Henry Patrick several times, and have gotten some nice blooms on very long stems, but more that had a hard green center and were wholly worthless. I have always regarded Perle d'Or as the very best white in any class, but for several years past there has been a tendency to come single and semi-double. I am trying to bring it up again by special treatment, but will only plant it moderately until I get into better shape.

Last year I tried Dreer's White; I pinched back and then disbudded and got a large crop with long stems, that sold at good prices. It somewhat resembles Grand Duke Alexis, but is wholly white, not quite so large nor quite so rampant in growth, but gives a very much larger crop and does not require nearly so much disbudding.

In single whites, White Century is the only one I have seen (except some of its seedlings that are nearly identical with it) that I consider worth growing. As compared with it, Rebecca Mayhew has a yellowish color, is much smaller and has not such good stems. And even though it did produce twice as many flowers it would require the double number to produce the same effect. It would have been fairly good before the advent of White Century, but I consider it a back number now.

In pink Decoratives, of course Mme. Van den Dael is needed; if Jeanne Charmet proves to have keeping qualities it will be fine, but in real solid pink Delice is so far ahead of all others that it has no competition, and it can be had early and late, too.

In yellows, I have been watching Princess Victoria for several years and fail to see in it any improvement over Queen Victoria. (The latter is Mary D. Hallock, renamed.) Yellow Duke is similar in form to Yellow le Collosse, but a little darker in color, not quite so flat in form, and has very much better stems; if pinched back to make as many stems as are wanted, and with a moderate disbudding, it gives a large crop on long stems and sells promptly at good prices.

In red Cactus, Standard Bearer as a garden variety is hard to beat, but it is very hard to get it with good stems. Roland von Berlin is a little darker, but has better stems and is a first-class variety. H. W. Sillem and Leuchtfeuer, if properly grown, are about the best, both being large and bright red. But both need pinching enough to make as many stems near the ground as the number of blooms aimed for, and then all side branches should be kept down and thoroughly disbudded. In this way a good crop of extra good blooms can be had. Burbank is extra fine but needs similar treatment and more of it; after it gets where it looks all right to cut it will go on increasing in size for two or three days and still remain good.

Philadelphia and Boston markets, or rather New England markets, seem to call for different classes of Dahlias. Our Jack Rose, which has made such an unqualified success in the Middle States, got the cold shoulder generally in New England, and on the other hand, Ruth Forbes, which was sent out at $5 per root and scored big honors in New England, does not raise any enthusiasm here. It was described as almost exactly the color of A. D. Livonia, but either that was a mistake or it has colored differently here, for it is not really pink at all. It is a fairly good variety, but the first blooms are small and imperfect and it is not a heavy yielder afterward. I had two plants of Elly Gumpert, a very beautiful Decorative sort of a pleasing mauve pink, large size, firm with long stems, and they gave as many first-class blooms as the twelve Ruth Forbes' I had; all who compared the two varieties gave the preference to Elly Gumpert.

One of our first-class horticultural magazines is advertising to appear in a future number, "All the New Dahlias Worth While." I shall watch for this article with a good deal of interest both for what it includes and what it omits. It strikes me (independently of its advertising policy) as a very broad proposition, and I much doubt if we have any Dahlia specialist who is anywhere near well enough posted to do the subject justice.

Hammonton, N. J. WM. F. BASSETT.

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EXHIBITIONS

The following is a synopsis of the papers read before the Horticultural Society of Newport, Feb. 8, 1910.

Horticultural Exhibitions, Their Utility and Mission

BY JAMES ROBERTSON

There are scattered, all over the earth, varieties of plants which Nature has placed in the care of the horticultural craft. The occupation of caring for them is so varied that a great deal of knowledge is required by those in charge of any important branch of the work, knowledge which can only be gained by the association of workers, and for this reason horticultural societies are formed in all important horticultural centers, the usefulness of which is demonstrated to a great extent by the exhibitions given. These exhibitions are utilized for bringing together ideal samples of horticultural products in single and collective form. Landscape gardening can only be presented as a horticultural department in miniature or fragmentary form. There are things, however, that are not horticultural products really, but which should have place in the exhibitions when space permits; among them are gardening implements of newer or improved makes, samples of first-class fertilizers, planting plans, pictures of unusually good specimen plants, pictures of ideal flower or plant arrangements, sample copies of horticultural periodicals, gardening catalogs, and, in fact, anything that may contribute to results in horticulture. There should also be included a collection of plant enemies, such as scales, insects, moths and other pests. These pests should be arraigned before the craft at the exhibition, their crimes explained, their names, descriptions and habits recorded for future identification, and then sentenced by competent judges to penalties which should result in their extermination.

The first mission of an exhibition is to afford comparison of the relative merits of exhibits, to encourage the growing and arranging of horticultural products to the highest possible state of perfection, and to educate persons interested in the requirements of the times. All who can make worthy exhibits should be notified to take part, and prizes should be a special inducement as they help greatly to stimulate the efforts of an exhibitor; but irrespective of prizes, all who can exhibit unusually good examples should do so. The exhibitions provide an excellent opportunity for consulting as to plants, and seeing new novelties; and they furnish a medium for general information in relation to the business. Many horticulturists will admit that they got their most valuable information and experience in the exhibition hall. Members of horticultural societies do not take as much interest in exhibitions as they should, and this being the case it cannot be expected that the public will become readily interested. When exhibits cannot be made, the next best thing is to visit an exhibition, and when this is not possible the account of it should be carefully read in the horticultural weeklies.

People who are most associated with plants and flowers are to be found among the best citizens. There seems to be something, in spite of language, that exerts an influence upon actions. If the worst kind of criminals could be surrounded by a wall of flowers instead of the usual stone walls, more cases of reformation would result. Is not this alone a good reason for recommending flowers as good company through the exhibitions?

Preparing Exhibits for the Horticultural Show

BY JOHN T. HAMMOND

1. In preparing exhibits for horticultural shows, it is necessary that the intending exhibitor should be conversant with all the requirements set forth by the schedule, and be prepared to abide thereby in letter and spirit.

2. Selection of the best seed it is possible to procure should be made for annuals or vegetables.

3. Preparation of the ground for proper planting and necessary growing of plants until maturity of the flowers, fruit or vegetables intended to be exhibited should be carefully attended to.

4. Do not depend on chance offerings from Nature, but join hands with her and work with her, working with the purpose of doing better than you have been doing.

5. Plants under glass should have all the attention it is possible to give them. Careful potting, watering, heating and ventilation are absolutely necessary, but care should be exercised not to overdo things.

6. In the case of Palms and foliage plants, have them as clean and bright as Nature intended them to be, and not more so. While it may be legitimate to use soaps and mixtures of various kinds, the use of oils and other polishes which impart unnatural brilliancy to foliage should be discouraged. Nothing looks so overdone or unnatural as a Palm or group of Palms or foliage plants burnished to shine like the product of a lacquer plant. Judges should discriminate against such attempts to improve on Nature.

7. After the classes for entering are selected, it should be an exhibitor's object to fill his entries, and he should not attempt to do more than is in his power. He should not have a surplus of entries in order that he may drop one or more if he cannot fill them successfully. Timid, would-be exhibitors should not be deterred from entering certain classes through awe of their competitors. Often such exhibitors could surprise the public by the excellence of their exhibits.

8. Leave nothing to chance; never guess when positive assurance can be made.

9. Don't delay entries with an object in view. Face defeat if necessary. We cannot all win; there must be some losers. If a loser, lose with good grace; show the people that you have at least been doing something. Learn by defeat; failures teach lessons as well as successes—failures are better remembered than successes.

10. A man may have first-class material, fit to compete with all comers, but be, unfortunately, short, say 10 per cent. of stock to fill a certain class. He might purchase it, or secure it in some way, and win, and he alone know how he won, but the draw would not be legitimate; the exhibitor has been guilty and his neighbor who supplied him, equally so with him, of a crime, in the eyes of the law, and an insult to decent society. An opportunity to defeat a rival is a temptation which, unhappily, some natures cannot resist. The mission of a horticultural show is to educate the masses, and, through competition, spur gardeners to their best efforts to the honor and glory of the profession. It is not a field for speculation or an opportunity to increase a bank account. In preparing exhibits for a show, the mind of the exhibitor should be prepared also. Judges are not looking at exhibits with the exhibitor's eyes. They are usually cool, impartial, unbiased gentlemen, and an exhibit may not look as good to them as to the exhibitor.

Arrangement of Exhibits at Flower Shows

BY BRUCE BUTTERTON

A committee on arrangements has much to do with the comforts of exhibitors and the proper placing of the exhibits in the exhibition hall, and the competition of its membership should be carefully considered by the president of an exhibition society. It too often happens that the major part of this committee is at hand with a lot of "hot air" suggestions in regard to arranging the show, and if an energetic chairman should call for active assistance the committee is instantly reduced to a corporal's guard or less. The committee of arrangements may be assisted by exhibitors in two ways. No exhibitor should be so neglectful of his duty to the committee, or to the welfare of the show, as to make entries he does not intend to fill, thereby upsetting the whole plan the committee has worked hard to complete in order that it may be effective. It is often found that reserve spaces are not taken, and when the time for judging arrives there are to be seen those unsightly vacant spaces which mar what otherwise would have been a beautiful picture. Had I my way, I would impose a fine of $1 upon those making unfilled entries, for each entry. The other way in which the exhibitor could help the committee is by staging his entries early, so that the hall can be cleaned up and put in order before the judges are admitted. First impressions are important, and ordinarily they are anything but good. It has been said that the Newport gardeners build their plant groups in the form of one-sided hay stacks. This, I believe, is due to the cramped condition existing in their exhibition hall. One hundred square feet of space in which to place the plants, necessarily pushed up against the wall, does not afford much opportunity for originality of design. Newport needs a horticultural hall with ample floor space and properly lighted. In such a hall, I believe the hay stack groups would disappear and groups of plants, original in design, and specimen plants would be properly placed and so arranged that judges would not have to do a "marathon" around the hall in order to find all the entries in any particular class.

Children's classes covering wild flowers and school gardens should be continued, as these are in a most worthy cause and add prestige to a society; but I would suggest placing the tables containing these exhibitions in the most conspicuous part of the hall, and not in a side room, thus giving the children encouragement to arrange flowers tastefully. Teach your children to be fond of flowers and they are apt to be fond of home and become good citizens.

How to Secure the Attendance of the Public

BY JOHN A. FORBES

This is one of the most perplexing problems our Society has to solve. The miserable attendance at past exhibitions has been very discouraging both to the Society and to exhibitors. If it is impossible to get the people to turn out for the love of the flowers alone, then something should be done in the way of inducement. What that something should be is a matter of experiment. Is the lack of attendance due to the nominal charge made for admission? If so, it looks as if our efforts have been in vain. When on Sunday there was no charge, the attendance more than trebled that of the two days combined. Roughly estimated, 2000 passed into the exhibition on the Sunday of the last Fall show. Does that answer the question "Is it worth the money?" It would be setting a good example to the public if those at the head of city affairs would take a little interest in the work of the Society and show their appreciation by attending exhibitions. If the State recognizes their worth, why not the city? It must be remembered that the exhibition was a flower show, not a moving picture entertainment, therefore, nothing that would lower the dignity of the occasion should be considered.

I am greatly in favor of having music at a flower show, and there could not be a better combination. The orchestra could play for a few hours in the evening when the majority of the people would be present. When people make up their minds to go anywhere, they usually go to some trouble to look well, and when they visit the exhibition they do not want merely to walk around the halls and march out again. They want to linger and enjoy it and pass a pleasant hour. When they tire of the exhibits the music is sure to take up their attention, and when, finally, they make up their minds to go home, they will leave the hall satisfied. Then, again, a good singer or quartet of singers would be an attraction. Another drawing card would be a plant lottery, the plants to be donated by members, the drawing to take place both days, in the afternoons. Two coupons could be attached to the admission tickets, one to be dropped in the box at the door, the other to be held by the purchaser. Another good plan would be to give prizes for the best papers on various subjects of interest to a man who owns his house and plot of ground such as how to beautify it, or how to grow vegetables, or anything pertaining to gardening. From these competitions gardeners should, of course, be excluded. The papers should be read and judged on the evening of the first day, the judging to be done by the exhibition judges. On the second day, there could be an essay competition for women, the subject to be a recipe for cake, or how to can fruit, or how to prepare certain vegetables for the table. For the judging of these papers I would be inclined to select women judges, not that our members are not competent to judge, but we simply cannot afford to lose members unless by a natural death. To advertise the show, I would recommend that posters be displayed in the most conspicuous places stating exactly what is to take place at the show.

Judging Horticultural Exhibits at Shows

BY RICHARD GARDNER

To be a judge at a horticultural exhibition is indeed an honor, yet how few there are who will seek the appointment. It is a most unthankful duty, as it is impossible to please everybody. The appointing of judges, too, is no easy matter. Personally, I believe in the plan of selecting judges from among the members of the home society. It often happens, however, that among those who are competitors will be found the best material to choose from. Above all things, a judge should be just. A person may be ever so well qualified to pass on the merits of an exhibit, but if easily influenced will not make a good judge.

When judging an exhibit, a judge should not know or see anything other than its merits, and render a decision accordingly. In these days of specialists it is easy enough to find good men as judges in their particular line, such as Roses, Chrysanthemums, Carnations, etc., but that does not follow that they would make good judges in a general exhibition of plants, flowers, fruits and vegetables, such as given by most societies.

I believe in the three judge system. No matter how well qualified a judge may be, or how observant, I am of the opinion that three pairs of eyes will see and do better than one pair. There are three pairs of eyes to compare the several entries in each class, and it is seldom that three persons will see the same thing exactly alike; two, however, carry the point.

I favor a system where the classes are arranged in a series, as from No. 1 to No. 25, No. 25 to No. 50, and so on, should there be that many, classes appointing three judges for each series. Or appoint three judges on plants, three on cut flowers and three on fruit and vegetables. Or cut the number of judges down to six, three on plants and three on cut flowers, and whichever trio get through first could start in on the fruits and vegetables, the other three joining in when they were through. This would greatly facilitate the work of judging. Having had some experience I know how tiresome it is to wade through from 75 to 100 classes, and probably over 300 entries, to examine and pass upon same. It is not so bad when the judges are alone in the hall, but when the public are admitted it is doubly tiresome. The competitors are anxiously waiting for the premium cards to be put on, so that they may see how they have been handled by the judges. The public also want to see who the successful ones are, and should not be kept waiting.

Exhibitions, generally, seem to be governed by rules and regulations, all of which are good. The judging by the scale of points as printed in the premium list should be followed as closely as possible. A good committee of arrangements is very important, it will save the judges a lot of valuable time, many weary steps, and much annoyance, by having every entry in a class side by side. It is difficult to judge a class when part of the entry is at one end of the hall and part at the other end—it is not fair to the exhibitor nor to the judges. Let everything be done that will hasten the work of the judges, so that there may be no unnecessary waiting.

PRELIMINARY SCHEDULE OF PRIZES
NATIONAL FLOWER SHOW
Spring 1911

Flowering Plants—Miscellaneous

	1st	2nd	3rd
Acacias. Best 18 plants, not less than 4 vars.	$60	$40	—
Best 6 plants, not less than 3 vars.	30	20	—
Best 3 plants, one or more vars.	20	15	—
Acacia pubescens. Best specimen plant	25	15	—
Acacia paradoxa. Best specimen plant	15	10	—
Acacia, any other species or variety. Best specimen	15	10	—
Allamanda. Best specimen plant, any variety	15	10	—
Amaryllis. Best 36 plants, not less than 18 varieties	35	25	—
Best 12 plants, not less than 9 varieties.	15	10	—
Anthurium. Best 6 plants, not less than 3 vars.	25	15	—
Best specimen plant	10	5	—
Antirrhinum. Best 12 plants in variety	10	5	—
Azalea Indica. Best 24 plants, not less than 6 varieties	75	50	—
Best 12 plants, not less than 6 varieties	50	30	—
Best 6 plants, not less than 3 varieties.	25	15	$10
Best 3 plants, not less than 3 varieties..	15	10	5
Best specimen plant, pink or rose	15	10	5
Best specimen plant, white	15	10	5
Best specimen plant, any other color	15	10	5
Azalea mollis. Best 12 plants in not less than 4 colors	25	15	—
Azalea pontica or **rustica.** Best 12 plants in not less than 4 varieties	25	15	—
Begonia Gloire de Lorraine. Best 6 plants	15	10	—
Begonias, Flowering. Best 6 plants, 6 vars.	15	10	—
Boronia. Best 6 plants, not less than 2 vars.	15	10	—
Bougainvillea. Best 6 plants	25	15	—
Best specimen plant	15	10	5
Calceolaria, Shrubby. Best 6 plants	15	10	—
Calceolaria hybrida. Best 6 plants	15	10	—
Camellias. Best 12 plants, not less than 6 vars.	35	25	—
Best 6 plants, not less than 3 vars.	25	15	10
Best specimen plant	25	15	10
Carnations. Best 12 plants in pots	15	10	—
Cineraria hybrida. Best 6 plants	15	10	5
Cineraria stellata. Best 6 plants	15	10	5
Clerodendron. Best specimen plant	15	10	5
Crassula coccinea. Best 3 plants	15	10	—
Cyclamen. Best 36 plants	50	30	—
Best 12 plants	20	15	10
Chorozema. Best 4 plants	25	15	—
Best specimen plant	15	10	—
Ericas. Best 24 plants, not less than 6 vars.	50	30	—
Best 6 plants, not less than 3 vars.	20	15	—
Erica melanthera. Best 6 plants	20	15	—
Ericas, any species. Best specimen plant	15	10	—
Flowering Shrubs. Best 12 plants, standard, or tree form, not less than 6 vars.	30	20	—
Fuchsias. Best 6 plants, not less than 6 vars.	15	10	—
Best specimen plant	10	5	—
Gardenias. Best 6 plants	15	10	—
Best specimen plant	10	5	—
Genistas. Best 12 plants	35	25	—
Best 6 plants	20	15	10
Best specimen plant	15	10	5
Flowering Plants. Best group arranged for effect, with palms and other foliage plants, to cover not less than 200 square feet	100	75	—
Forced Shrubs. Best group forced shrubs and herbaceous plants (hardy trees and vines admissible) arranged for effect, to cover not less than 200 square feet	100	75	—
Hydrangeas. Best 12 plants, not less than 3 varieties	35	25	—
Best 6 plants, not less than 2 vars.	25	15	—
Best specimen plant	15	10	5
Lilacs. Best 12 plants, not less than 3 vars.	25	15	—
Best 3 plants, one or more varieties	10	5	—
Marguerites. Best 6 plants, not less than 2 varieties	15	10	—
Best 3 plants	10	5	—
Best specimen plant	5	3	2
Rhododendrons. Best 24 plants, not less than 6 varieties	60	40	—
Best 12 plants, not less than 3 vars.	30	20	—
Best specimen plant, red or crimson	25	15	10
Best specimen plant, pink or lavender	25	15	10
Best specimen plant, white or nearly white	25	15	10
Rhynchospsrnum. Best specimen plant	15	10	5
Spiræa, or Astilbe. Best 12 plants, not less than 3 vars.	15	10	—
Wistaria. Best specimen plant	10	5	—
Geraniums (Zonal Pelargoniums). Best 12 plants, not less than 12 varieties.	15	10	—
Primula Kewensis. Best 12 plants	10	6	4
Primula obconica. Best 12 plants	10	6	4
Primulas. Best collection of 24 plants, not less than 6 species	15	10	—
Schizanthus. Best 6 plants	10	5	—

Bulbs

	1st	2nd	3rd
Hyacinths. Best 8 10-in. pans, distinct vars.	$25	$15	$10
Best 3 10-in. pans, white	10	6	4
Best 3 10-in. pans, pink or red	10	6	4
Best 3 10-in. pans, light blue	10	6	4
Best 3 10-in. pans, dark blue	10	6	4
Best 50 single pots, not less than 12 vars.	25	15	10
Lilies. Best display, to cover not less than 100 sq. ft. Foliage plants may be used for effective arrangement	60	30	—
Narcissus, Large Trumpet. Best 12 10-in. pans, 12 varieties	20	15	10
Narcissus, Short or Medium Trumpet. Best 12 10-in. pans, 12 varieties	15	10	5
Narcissus, Glory of Leiden. Best 3 10-in. pans	5	3	2
Narcissus, Bicolor or Victoria. Best 3 10-in. pans	5	3	2
Narcissus, Empress. Best 3 10-in. pans	5	3	2

Bulbs—Continued.

Narcissus, Emperor. Best 3 10-in. pans	$5	$3	$2
Narcissus, Golden Spur. Best 3 10-in. pans.	5	3	2
Narcissus, Double Von Sion. Best 3 10-in. pans	5	3	2
Narcissus, any other double. Best 3 10-in. pans	5	3	2
Tulips, Early Single. Best 15 10-in. pans, distinct varieties	20	15	10
Best 8 10-in. pans, distinct varieties	15	10	5
Best 3 10-in. pans, white	5	3	2
Best 3 10-in. pans, pink	5	3	2
Best 3 10-in. pans, scarlet or crimson	5	3	2
Best 3 10-in. pans, yellow	5	3	2
Best 3 10-in. pans, any other color	5	3	2
Tulips, Early Double. Best 6 10-in. pans, not less than 3 varieties	15	10	5
Tulips, Darwin. Best 12 10-in pans, 12 vars.	20	15	10
Tulips, Cottage, or **Late,** other than Darwin, Best 12 10-in. pans, 12 varieties	15	10	5
Miscellaneous Bulbs. Best collection, arranged for effect, other foliage plants admissible, to cover not less than 150 sq. ft.	50	30	—

Orchids

	1st	2nd	3rd
Orchids. Best collection, arranged with foliage plants for effect, to cover not less than 100 sq. ft. For commercial growers only	100	75	50
Best collection, arranged with foliage plants for effect, to cover not less than 100 sq. ft. For non-commercial growers only	100	75	50
Best collection, 12 plants, 12 distinct varieties	50	30	—
Cattleya Trianæ. Best specimen plant	25	15	10
Cattleya Schroederæ. Best specimen plant.	25	15	10
Cattleya, any other variety. Best specimen plant	25	15	10
Cypripedium. Best collection, not less than 25 varieties	50	30	—
Best 6 plants, 6 varieties	25	15	—
Best specimen, any variety	10	5	—
Calanthe. Best 6 plants in variety	15	10	—
Cœlogyne. Best 6 plants	25	15	—
Best specimen plant	15	10	—
Dendrobiums. Best 12 plants in 12 varieties	25	15	—
Dendrobium nobile. Best specimen plant	10	5	—
Dendrobium Wardianum. Best specimen plant	10	5	—
Dendrobium, any other variety. Best specimen plant	10	5	—
Hybrid Orchid. Best specimen plant raised in this country	15	10	—
Lælia anceps. Best specimen plant	10	5	—
Lælia anceps alba. Best specimen plant	10	5	—
Lælia, any other var. Best specimen plant	10	5	—
Odontoglossum. Best specimen plant, any var.	10	5	—
Oncidium. Best specimen plant, any variety.	10	5	—
Phalænopsis. Best specimen plant, any var.	10	5	—
Vanda. Best specimen plant, any variety	10	5	—

Roses

	1st	2nd
Roses. Best display in pots or tubs, any or all classes to occupy not less than 300 sq. ft., arranged for effect	$200	$150
Roses. Best 12 climbing or rambling, 6 or more varieties	60	40
Best 6 climbing or rambling, 3 or more varieties	30	20
Best Crimson Rambler, specimen plant	10	5
Best Lady Gay, specimen plant	10	5
Best Dorothy Perkins, specimen plant	10	5
Best Tausendschon, specimen plant	10	5
Best Debutante, specimen plant	10	5
Best Hiawatha, specimen plant	10	5
Best climbing, any other variety, specimen	10	5
Best Baby Rambler, Crimson, 6 plants	10	5
Best Baby Rambler, Pink, 6 plants	10	5
Best Baby Rambler, White, 6 plants	10	5
Best collection of Hybrid Perpetuals, not less than 15 plants, not less than 6 varieties	25	15
Roses. Best collection of standard, or tree, 12 or more plants, 6 or more varieties	25	15

Ferns

	1st	2nd	3rd
Adiantum Farleyense. Best specimen	$5	$3	$2
Adiantum cuneatum, or its variety. Best specimen	5	3	2
Adiantum. Best specimen, any other variety	5	3	2
Aspidium. Best specimen	10	6	4
Cibotium Schiedei. Best specimen	20	15	10
Davallia. Best specimen, any variety	15	10	5
Gleichenia. Best specimen	10	6	4
Nephrolepis exaltata and its varieties. Best display one of each, pots or pans not to exceed 8 inches in diam.	25	15	10
Nephrolepis Bostoniensis. Best specimen	10	6	4
Nephrolepis Scottii. Best specimen	5	3	2
Nephrolepis Piersoni. Best specimen	10	6	4
Nephrolepis Piersoni elegantissima. Best specimen	5	3	2
Nephrolepis Whitmani. Best specimen	5	3	2
Nephrolepis. Best specimen, any other var.	5	3	2
Polypodium, or **Goniophlebium.** Best specimen	15	10	—
Stag Horn Fern. Best 6 plants, in variety	15	10	5
Best specimen, any variety	5	3	2
Tree Fern. Best specimen	25	15	—
Fern. Best specimen, any other variety	10	6	4

Best specimen, new variety, not yet in commerce. 1st, Silver Medal; 2nd Bronze Medal.

Palms and Foliage Plants

	1st	2nd	3rd
Arecas. Best pair	$25	$15	—
Best specimen	15	10	—
Cocos Australis or its var. Best specimen	15	10	5
Cocos plumosus. Best specimen	15	10	5
Kentia Belmoreana. Best pair	25	15	10
Best specimen	15	10	5
Kentia Forsteriana. Best pair	25	15	10
Best specimen	15	10	6
Phœnix Rœbeleni. Best pair	15	10	5
Phœnix rupicola. Best specimen	15	10	5
Phœnix Canariensis. Best pair	15	10	5
Phœnix reclinata. Best pair	15	10	5
Palms. Best collection, other than above, 12 plants in 12 varieties	35	20	—
Bay Trees. Best display	100	75	—
Best pair, pyramidal	15	10	5
Best pair, standard	15	10	5
Best pair, columnar	15	10	5
Box Trees. Best display	75	50	—
Best pair, pyramidal	10	5	—
Best pair, standard	10	5	—
Best pair, bush	10	5	—
Araucarias. Best 6 plants, 3 or more vars.	15	10	5
Crotons. Best display	50	35	—
Best 25 plants in 25 varieties, not over 6-in. pots	25	15	—
Best 6 plants, 6 varieties	15	10	—
Cycad. Best specimen, any variety	20	15	—
Dracænas. Best 12 plants, 6 or more vars.	25	15	10
Best specimen, green	5	3	2
Best specimen, red	5	3	2
Best specimen, any other color	5	3	2
Ficus elastica, or **elastica variegata.** Best specimen	10	6	4
Ficus pandurata. Best specimen	10	6	4
Heliconias. Best 4 plants in variety	25	15	—
Nepenthes. Best 3 plants, 3 varieties	15	10	—
Best single specimen	10	5	—
Pandanus Veitchii. Best specimen	5	3	2
Pandanus. Best specimen, any other variety	5	3	2
Greenhouse or **Stove Foliage Plants.** Best 6 plants in 6 varieties	25	15	—
Cacti and other succulent plants. Best collection, not less than 50 varieties	30	20	—
Economic Plants. Best collection, not less than 30 varieties	50	35	—
Banana Tree. Best specimen in fruit	10	5	—
Lemon Tree. Best specimen in fruit	10	5	—
Orange Tree. Best specimen in fruit	10	5	—
Conifers. Best collection in pots or tubs not less than 25 varieties	75	50	25
Best 6 specimens	30	20	—
Best 3 specimens	20	15	—
Best 2 specimens	15	10	—
Best single specimen	10	5	—

Any exhibit of merit not included in above schedule will be properly recognized, especially any new, rare, or meritorious plants.

Additions may be made to this schedule later on, if found advisable.

Cut flower schedule will appear later.

Spring Show of the Mass. Hort. Soc.

Indications are that the exhibition which is to be held in Boston Feb. 26 to 28, will even surpass previous Spring experiences.

The trustees have voted to add several classes to the preliminary schedule which was issued some time ago. Most of the new classes are for trade exhibits and we hope that not only New England growers but those from other States will be found in competition.

Carnations: 50 blooms respectively of white, flesh pink (Enchantress shade), light pink (Winsor shade), dark pink (Lawson shade), scarlet, crimson, white and variegated, yellow. Prizes of $6, $4 and $3 will be awarded in each class.

50 Carnations, mixed, for private gardeners only, three prizes, $6, $4 and $3.

100 Carnations, any one variety with suitable foliage, $12, $8 and $6.

In Roses, prizes of $12, $8 and $6 are offered for best 25 blooms in Killarney, any other pink variety, White Killarney, Richmond. For American Beauty, prizes of $15 and $10 for best 25 blooms. Any other variety of Rose, $12, $8 and $6.

In Violets, prizes of $4, $3 and $2 are offered for 100 Princess of Wales, any other single variety, Lady Hume Campbell, any other double variety.

Antirrhinum, 25 spikes, three prizes, $5, $3 and $2.

Mignonette, 25 spikes, three prizes, $5 $3 and $2.

Lily of the Valley, 50 spikes, three prizes, $5, $3 and $2.

Best arranged Basket of Flowers, retail florists only, three prizes, $15, 10 and $5.

Group of flowering and foliage plants covering 100 sq. ft. Three prizes: First, silver medal and $40; 2d, $30; 3d, $20.

3 Palms, distinct, not less than 8 ft. high, three prizes, $15, $10 and $5.

12 Hardwooded plants (Acacias, Azaleas, Rhododendrons, Boronias, etc.) Three prizes, $20, $12 and $8.

R. C.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

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The Florists' Exchange Design Book

The new edition of the Design Book, now ready for delivery, will be found a decided improvement upon all former issues; it has been completely remodeled and contains 80 pages, covering a multiplicity of designs. It will be freely admitted the most valuable compendium of its character ever offered to the trade, as well as the cheapest. It is sold only in connection with a subscription for this paper; The Florists' Exchange two years and one copy of the Design Book, new or renewal subscription, for $2.50.

Subscribers who have been patiently waiting for the new edition should receive their copy early in next week.

Soliciting Business for the Florists' Exchange

We are often advised of attempts being made to collect subscriptions from florists by persons unknown to us; therefore unauthorized by us. An unauthorized person is now working eastern Pennsylvania.

Occasionally these parties operate quite successfully, to the loss of those who confide in them. Such "collectors" are generally fairly well acquainted with the subscription rates of trade papers and magazines, and suit their methods to the person approached, soliciting subscriptions for magazines, trade papers or whatever periodical they think their victim is most likely to subscribe for. Generally speaking, they are impostors, pure and simple and, needless to say, pocket whatever they can succeed in collecting.

So far as The Florists' Exchange is concerned, we advise the trade to pay no money to any person approaching them as representing The Florists' Exchange unless said person can show full credentials as our duly authorized representative.

Should any person call upon you on behalf of The Florists' Exchange, either collecting news or soliciting business, said person will be enabled to demonstrate fully and without room for doubt, his authority to act as our representative.

The Florists' Exchange Semi-Annual Index

In January and July of each year we print, at considerable expense, a complete Index, alphabetically arranged, of all the informative matter which appeared in The Florists' Exchange the half year previous.

Formerly, a copy of this Index was mailed to every subscriber. Recently, this Index has been mailed only to those requesting a copy thereof as per notice published on our editorial page the first month in each half year; in the attempt to ascertain how many of our subscribers really kept a continuous file of the paper for reference we must say we are surprised that so few preserve their copies in unbroken order.

Fifty-two issues of The Florists' Exchange constitute a record of passing events and a mine of information which cannot be duplicated; our Index furnishes an immediate reference to it all. Bound up in volumes, two to each year, The Florists' Exchange is one of the most valuable adjuncts to the library, especially of the florist.

Your son, your foreman, or one of the brightest of your young men, would appreciate the annual gift of this paper in bound volumes, we are quite sure.

We would feel better repaid for our efforts to furnish the Trade with a standard horticultural publication if we could but feel that more of the complete volumes were being handed down to posterity than has been the case up to the present.

The American Carnation Society

Registration

The following registration of new Carnation has been made by the E. G. Hill Co., Richmond, Ind.

Niagara—The Belle×Unknown. Pure white. Size, 3 to 3½ inches. A free grower, strong and healthy.

A. F. J. BAUR, Secy.

Whose Money was It?

On Friday, Feb. 4, we received by mail, a plain envelope, postmarked Morristown, N. J., containing money but no letter or memorandum of any kind. Will the sender kindly advise us as to amount sent and purpose for which it is intended?

A Promising New Climbing Rose

Speaking of Climbing Roses, it may be worth recording that a climbing sport of that splendid Dicksonian H. T., Lady Ashtown, is to be disseminated in June next, the stockholder being Bradley of Peterboro. Anyone familiar with the magnificent garden Rose, Lady Ashtown, will appreciate the climbing forms. The latter was commended by the N. R. S. in July last. It is selling at the usual price, 7s. 6d. each. T. A. W.

Harry J. Veitch

From the Gardeners' Chronicle, Eng.

A Notable Presentation

At a complimentary dinner held in the Hall of the Royal Horticultural Society, London, on Tuesday, Jan. 26, a portrait in oils of Mr. Harry J. Veitch of the well-known firm of James Veitch & Sons, Ltd., Chelsea, London, the cost of which was defrayed by public subscription, was placed in the keeping of the Society as a testimonial of the general esteem in which he was held by the horticultural community of Great Britain. A similar portrait was presented to Mrs. Veitch. Mr. Veitch who, with Mrs. Veitch, was present at the dinner feelingly acknowledged the honor done him. We present herewith a reproduction of the portrait, taken from the Gardeners' Chronicle.

Some New Richardias

At the Rohais Nurseries of Mr. A. J. Guilbert, Guernsey, C. I., are some new Richardias, the result of crossing R. Elliotiana with the Godfrey Arum which was raised by Mr. W. J. Godfrey. The new variety has a leaf spotted white on the dark green and a mottled stem of purple, brown, and greenish-yellow, like the Golden Arum. Its leaves are more arrow-headed in shape than those of R. Elliotiana, and very similar to those of the Water Arrowhead, Sagittaria sagittifolia. The trumpet bracts, or spathes, are like those of Mr. Godfrey's Callas, pure white, with hardly a trace of green near the petiole; and the spadix is of a lemon-yellow, similar to the variety Mrs. Roosevelt. At the base of the spathe, on the inside, are deep purple markings. This promises to be a very popular market variety as soon as it is known, for the handsome foliage sets off the chaste blooms to perfection. The plants seem very floriferous.—*Gardeners' Chronicle.*

Fred Burki on Carnations

Mr. Burki, the newly elected president of the American Carnation Society, and president of the Pittsburgh Cut Flower Co., gave an interesting talk on Carnations before the Pittsburgh Florists' Club, at its recent meeting, of which the following is a summary.

The best sorts he grows are white Enchantress and white Perfection; best reds, Victory and Beacon; dark pink, Lawson and Afterglow, the latter sort not so productive. Scarlet Pink, Winona and Winsor, the latter the very best; in light pink, Dorner's Pink Delight and Enchantress.

In speaking of the best sorts to grow, the ones that are the most productive count. Plants should have bloomed sufficiently by January to pay expenses and, after that, should give a net profit. Of the newer sorts, O. P. Bassett is fine, particularly for exhibition purposes. Hoosier Lad was fine and easily entitled to the award it received. Alma Ward is beautiful, the flowers shown were better than ever before and kept splendidly; in fact, all blooms kept remarkably well as the conditions were most favorable. Mr. Burki also spoke about keeping qualities in general and thought that atmospheric conditions were much to be considered. It was perhaps best not to put blooms too deep in water. As to the style of greenhouses, he thought single houses were the best, particularly where we have heavy snows. As to benches, cement are undoubtedly the best and he will put in none but cement hereafter. E. C. REINEMAN.

Illinois State Florists' Association

Meeting of the Advisory Committee

A meeting of the advisory committee of the Illinois State Florists' Association was held at the Union Restaurant, Chicago, on Friday, February 4, and was well attended by many members of the Chicago Horticultural Society and others. There were also present President C. E. Gullett, Lincoln, Ill.; Prof. Blair, of the Illinois University, Urbana, Ill.; Secretary J. F. Ammann, Edwardsville, Ill. The object in holding the meeting was to interest the florists in the work that the Association has taken up to benefit floriculture in general, and the gentlemen stated they felt sure the coming convention would be more beneficial and instructive than any previous meeting of this young Society. The prospects are that a good sized delegation will leave Chicago on Tuesday, February 15, to be present at the two days' meeting at Urbana.

The Convention

The fourth annual convention is to be held in Morrow Hall, Agricultural Building, University of Illinois, Champaign-Urbana, on Tuesday and Wednesday, February 15-16.

The following is the program:

Program

Tuesday, February 15, 2.00 o'clock, p.m.—Address of welcome by Dr. Edmund J. James, president of the University of Illinois; Response by Phil. J. Foley, Chicago. Report of the secretary, J. F. Ammann, Edwardsville. Report of the treasurer, Frank L. Washburn, Bloomington. Report of the secretary of advisory committee for the Illinois Florists' Experiment Station, Willis N. Rudd, Morgan Park. Address, "The Value of the Experiment Station to the Florists, and the Duty of the Florists to the Station," Prof. J. C. Blair, Chief of Department of Horticulture, University of Illinois. Banquet.—The annual banquet will be served at the Beardsley Hotel, Champaign, at 7.45 p.m.

Wednesday, February 16, 9.00 o'clock a.m.—Address on behalf of the Illinois Outdoor Improvement Association, by Dr. J. W. Garner, Professor of Political Science, University of Illinois. Address, by C. L. Washburn, Chicago. Address, "Our Work," by H. B. Dorner, Associate in Floriculture, University of Illinois. Report of auditing committee. Unfinished business. New business. Question Box. Election of Officers.

The exhibition of cut flowers and novelties will be open to the citizens of Champaign-Urbana, to the students and faculty of the University, and to all who will accept an invitation to attend, from 7 p.m. to 10 p.m., Tuesday, February 15, and from 9.00 a.m. to 12 noon, Wednesday, February 16. It will be held in the spacious foyer of the new Auditorium on the University campus. Every grower is invited to send an exhibit. The display is no way competitive. Flowers should be shipped to Geo. B. Franks, Champaign, who will see that they are properly staged.

Books Received

THE HORTICULTURAL DIRECTORY AND YEAR BOOK FOR 1910. The Journal of Horticulture, 12 Mitre Court Chambers, Fleet st., London, E. C., England. Price, one shilling.

This, a fifty-first edition, is a very complete directory of the floriata, seedsmen, nurserymen, gardeners and horticultural supply firms of Great Britain and Ireland, and contains, in addition, a vast amount of information in connection with the trade, including a list of the exhibition societies, and lists of the principal European, American and Colonial nurserymen, seedsmen and florists.

Propagation of Hardy Shrubs

Will you please tell me how and when I can start cuttings of the various hardy shrubs? I have access to a fine collection, mostly of the best sorts. I would like to start some Box. Could I start them under a greenhouse bench now?—J. S. K., Pa.

Increasing Hardy Trees and Shrubs The Winter season is a good one for the propagating of evergreens from cuttings. Made early, and placed in heat in a greenhouse, they root by the time Winter is over. It is not too late to do this work in February though, when done earlier, the cuttings root more strongly than when made later. Those who lack experience will not go far wrong to put in cuttings of anything they wish in the evergreen line, for though there are a few things, such as Holly and Kalmia, which root with great difficulty, the number of sorts that will root readily far exceeds those that will not. The common run of them, Junipers, Retinisporas and Arborvitæs, root readily, and such as Cryptomerias and Sequoias are not hard, while the Lawson Cypress and the many Cupressus usually root freely.

Almost any small piece with foliage to it will make a cutting, still, a three to four inch size is a good one to make, and nothing is lost by adding to the length within reason as, when rooted, there is a nice plant to start with.

Flat boxes, say of 3″ to 4″ depth, are the size to use to hold the cuttings. Place an inch of good soil, on the bottom, and fill up with clean sand. When the boxes are filled with cuttings place them in moderate heat, increasing the heat after two or three weeks have passed, keeping sunshine from the cuttings until they are rooted.

Very many shrubs and trees root well from cuttings made now, placed in a cold cellar, buried in sand, and planted out in the nursery the first thing in Spring. The same may be said of these as of the evergreens, but the beginner may put in everything he likes. There are a few hard cases which are never attempted, Oaks and Hickories for example, but most all kinds will root in this way. The shoots of last season are the ones to use, and these are to be cut now, taken under cover and cut into lengths of 6″ to 8″, and then placed away as directed. Some propagators are indifferent to cutting to a joint, believing it makes no difference, but it does in nearly all cases, the stock making root more readily when so cut than when it is taken much below the joint. Make a clean cut close under a joint and success will be greater than if no attention had been paid to this particular.

How Grafting is Performed Grafting of many trees and shrubs can be done in Winter; in fact, as well understood, many fruit stocks, such as Apples, Pears, Cherries, etc., are grafted by the millions indoors in Winter, being placed away in sand as mentioned for cuttings. A good strong root of a seedling Apple will cut into two or three lengths, each length to hold a cion. These are all done by wedge grafting, splitting the stock in the center and inserting a cion containing one good eye. Such small stocks will hardly hold the cion firmly without tying them. Raffia is often used for the purpose, and then the whole of the tied part waxed over. In some cases the whole of the cion is waxed to prevent evaporation, but in the case of such stocks as Apples and similar sorts, grafting is generally quite successful without taking the time to do that.

Where trees or shrubs are to be grafted under cover, the stocks being well rooted, and heat and space available, the work may be proceeded with, and the union effected before the advent of Spring. The stock should be introduced to gentle heat in advance of grafting, that there may be a good circulation of sap when the cions are inserted; the cions are to be kept dormant by storing them in a cool place, the stocks meanwhile being kept in heat two or three weeks in advance of the grafting.

Treated in this way there is then union and growth of cion by the time the warmth of Spring permits of planting out.

Outdoor grafting follows the same lines in this, that cions are held back in a cool building until the trees outside are about to burst into leaf, or at least until the buds are swelling, then the grafting is done. Such trees as start early must be taken first, while such late budding kinds as the Catalpa can be left very late.

All shoots, whether for cuttings or for grafting, should be cut off during the Winter; certainly before sap starts to flow in early Spring. If the sorts required for the work are not in hand send for them well in advance; if for grafting purposes they will do just as well buried outdoors as anywhere, should the ground be open.

Those who have fruit trees they wish to change the character of, say Apple trees, should cut back the shoots to within a few inches of the main stem, splitting the butts of the branches and inserting the cions in them. Young trees have several branches, usually, so that by grafting three or four of them a tree of good shape may be secured. If this cannot be done better to graft only the central shoot, counting on forming a tree from it.

Men We Meet

C. E. Howland

Mr. C. E. Howland, president and manager of the California Rose Company, Pomona, Cal., was born in 1863, under the shadow of the "Pilgrim Church," at Boston, Mass., a descendant of the John Howland who landed at Plymouth in the "Mayflower." His father died when he was five years old, leaving his mother with three small children and limited resources. Mrs. Howland then took her young family to rugged Maine, where living was cheap, schools good and work a-plenty wresting a livelihood from the stern hills and rocks; young Howland attended the little red schoolhouse Winters and ate good Apples and drank cider; he wrestled with the hoe, scythe and pitchfork Summers.

Finishing school at a private academy, at the age of 19, he went to New York and found his first position as printer's devil; the said "devil" had full charge of the business in less than two years at a salary of $1000. Getting the Western fever in '85, he went to San Francisco, but found that city overrun with fortune seekers like himself. Unable to find employment he returned to the East in 1886, finding employment in the nursery business at Rochester, N. Y.

C. E. Howland, Pres. and Manager California Rose Co., Pomona, Cal.

About 1888 he engaged in the nursery business at St. Louis for a period of five years, from thence transferring the business to Chicago. On account of failing health he went to Los Angeles in 1896 and at once engaged in the nursery business there, selling, through traveling salesmen, a line of ornamental stock over the Coast and Southwest. Mr. Howland discovered very quickly that it was impossible to buy stock either in quantity or of satisfactory quality to handle the business he was getting; he also found that his sales were running to about ninety per cent. Roses. This settled his line of action, which was first to produce the Roses in quantity and variety and then sell the same through catalogs to the retail trade as well as to the wholesale trade throughout the United States..

THE FLORISTS' EXCHANGE Is A Business Paper For Business Man

A Revolution in Garden Spade Making One of the most important tools in the garden is the hand spade, as used for digging purposes, but curiously enough the present day tool has scarcely advanced in design since it was introduced, the only improvements being in workmanship. Now, however, we have a distinctly new pattern for digging, and one that appears to possess good points. It is made by the foremost garden tool manufacturer in this country, The Handy Patent Pick Co., Sheffield. The blade, instead of being flat and square edged, is undulated after the style of corrugated iron, and the end of the blade is fashioned into three points. It has the good features of the fork for heavy ground and the advantage of the spade on light soil. T. A. W.

An Opportunity for a Skilled Man

Beginning about April 1 we will need a good gardener and greenhouse man. He should be able to do work in plant crossing and plant breeding under our directions and to assist in the practical part of horticultural instruction. We will pay a good man $1200 per year to begin with.

Applicants should address C. B. Waldron, Dept. of Horticulture and Forestry, Agricultural College P. O., North Dakota.

Obituary

John Pugh Burn

Mr. Burn, who was a son-in-law of the late Thomas Meehan of Philadelphia, and the active head of the Operating Department, the Landscape Gardening Branch of the business of Thomas Meehan & Sons, Inc., died suddenly, on Friday of last week, of acute indigestion while riding on a train near Columbia, S. C. He leaves a wife and one child.

Wallace L. Scott

Wallace L. Scott of Grand Rapids, Wis., a well-known florist, died at his home in that city, on Jan. 31, the cause of his death being paralysis. He had been in poor health ever since he suffered with his first stroke of paralysis about four years ago. Two years after, he had a second stroke and on Jan. 25 he received a third, from which he never rallied.

Mr. Scott was a glasshlower by trade and followed that until he went to Wisconsin to live, since which time he had taken up farming and floriculture. He was an old soldier and member of the G. A. R.

James K. Kerr

James K. Kerr, Sr., for fifty years foreman of gardens and grounds of the Department of Agriculture, died at his home, 211 13th st. southwest, Washington, D. C., on Feb. 5. Mr. Kerr had been ill for about four months and since Dec. 11 had been confined to his room. A widow, two sons and two daughters, all residents of Washington, survive him.

Mr. Kerr was eighty-one years of age. He was born in Edinburgh, Scotland, and came to the United States when quite young. For a time he lived at Winchester, Va. He was appointed in the Department of Agriculture when it was located at 4½ st. and Main ave., and laid out the grounds of the Department. He was a member of Lebanon Lodge, No. 7, F. A. A. M.; Eureka Royal Arch Chapter, No. 4, and De Molay Mounted Commandery, No. 4. He was also a member of Mithras Lodge of Perfection and Evangelist Chapter, Rose Croix, of the Ancient and Accepted Scottish Rite, and of Almas Temple of the Mystic Shrine. Mr. Kerr had for many years been a member of the Caledonian Club.

Henry A. Stone

Henry A. Stone, a well-known florist of Kingston, N. Y., died at his home in that city Jan. 29, after an illness extending over five years, at the age of 73 years.

Mr. Stone was born in New York City in 1837 and was the son of Jeremiah Stone. For eleven years he lived and went to school in New York City. Upon the death of his mother he took up residence with the late Herman LeRoy Newbold at Westchester, who was lost on the Arctic. While at Westchester he learned the machinist's trade at the Saugatuck Locomotive Works and went to school several terms. He also became interested in gardening and greenhouse work and after serving an apprenticeship of several years he secured a position as assistant gardener at Mr. Delano's place at Newburgh. After two years he became head gardener for Mr. Watts at Westchester. In 1863 he took charge of the estate of Robert Donaldson at Barrytown. In 1867 Mr. Stone bought his present residence on Flatbush ave., Kingston, and started to build greenhouses and to plant all kinds of fruit and vegetables. Mr. Stone was the pioneer Violet grower in this part of the State and was so successful that in New York he was known as a "Violet king" and was a wholesale florist in New York for four years. At his death he was a member of the First Reformed Church; of the Minne-ha-ha Temperance order; of the Royal Templars of Temperance; of the Twentieth Battalion in which he was inspector of rifle practice with rank of captain; of Empire No. 1 Fire Co. of Westchester; and was also trustee of school district No. 8 for two terms. The deceased is survived by two sons and two daughters.

Mrs. Stone died three days before her husband. She had zealously nursed and cared for him until one week before her death her strength gave out and she fell a victim to pneumonia. Her thoughts were for everyone but herself, and her only regret was that she could not be with Mr. Stone until his end.

At the Banquet of the N. Y. and N. J. Plant Growers' Association Held at the Hotel Astor, New York, February 2, 1910

The National Council of Horticulture

This organization held a meeting at the Auditorium Annex, Chicago, Jan. 17, 1910. There were present C. E. Kendel and C. Cropp from the American Seed Trade Association; E. D. Smith and W. N. Rudd from the Society of American Florists; J. H. Burdett of the Press Bureau Service; J. C. Vaughan, chairman and H. C. Irish, secretary. Letters or telegrams were read from J. Horace McFarland, J. Otto Thilow, F. R. Pierson, and C. L. Watrous.

The term as delegates at large of Professors W. B. Alwood, S. A. Beach and S. B. Green having expired, Professors Alwood and Beach were elected to succeed themselves and Professor J. C. Blair of Urbana, Ill., was elected to succeed Professor Green. It was announced that C. Cropp and C. E. Kendel were the authorized representatives in the Council from the American Seed Trade Association, J. Otto Thilow, E. D. Smith and W. N. Rudd from the Society of American Florists, C. L. Watrous and Guy A. Bryant from the American Association of Nurserymen, H. S. Watson and J. F. Wilson from the National Nut Growers' Association.

The secretary reported $183.22 on hand and $200 available from the American Seed Trade Association, or a total of $383.22 for the current year's work.

Mr. J. H. Burdett made a report on the Press Bureau work in which he said: "By keeping faith with the newspapers of the country for several years, distributing articles which are interesting to the general reader, and at the same time free from suspicion of being advertising matter for any particular article or firm, the Council of Horticulture has won a most valuable good will. The greatest newspapers in the country accept the articles with confidence in their freedom from that 'free advertising' taint for which newspapers are always on the lookout. All the matter sent out by the Council is printed in a great number of papers. The Chicago Daily News has printed every article sent out by the Council in the last three years, and given each article a characteristic heading, crediting it to the Council. The same method is followed by many other dailies. The service last Spring was sent to 500 newspapers and news bureaus, and by the latter it was sent in the form of 'boiler plate' to several thousand country weeklies and small dailies. The position of authority which the Council has obtained with these newspapers and bureaus should be maintained by keeping up the press service. There is no room for doubt that the publicity given to horticulture by the bureau is worth many times its cost."

The possibility of instituting a paid service was suggested but, after a full discussion, it was thought inadvisable to do so at this time. After further discussion, the secretary was instructed to ask the assistance of experts in the preparation of articles, and to arrange a schedule for their distribution as soon as practicable. Some sixty subjects were suggested, one-half of which the members present pledged themselves to prepare. It was arranged to send out at least ten installments this Spring, beginning the latter part of February.

H. C. IRISH, Secretary.

Dobbie & Co. (Great Britain) a Rising Firm

I was pleased to note my esteemed friend, Wm. Cuthbertson, has given you a few figures respecting the Parcel Post in this country. Dobbie & Co. are among the many firms that have undoubtedly benefited by the system of bringing goods right up to the door in the most out of the way spot. During recent years this firm was developed enormously, and has come to be looked upon as one of the leading concerns engaged in the nursery and seed trade, and their limit is evidently not yet reached, for a huge and magnificent building is now being erected for them in Edinburgh, the premises at Rothesay being inadequate. In addition, the firm has a splendidly managed farm in Essex, where seed is grown on a large scale, Sweet Peas being a special feature. T. A. W.

Spring Exhibition of the American Rose Society

In the American Museum of Natural History, New York City, March 16 to 18, 1910

The Executive Committee and other members have held two conferences in New York in regard to the details of the coming Rose show. The total amount of prizes offered in the schedule reaches some $1500. In conjunction with the Rose show the Horticultural Society of New York offers a preliminary prize schedule the total offerings of which amounts to $700.

S. S. Pennock-Meehan Co. of Philadelphia offer a special prize of $25 to be awarded in the discretion of the committee.

Moore, Hentz & Nash of New York offer a solid silver cup, valued at $50, for the best six Roses, two to be white and four to be red, pink or yellow, American Beauty excepted.

Wm. F. Kasting Co. of Buffalo offer a prize of $25 to be applied wherever it can be best used.

The Toronto Hort. Society offers one of its silver and bronze medals.

Arthur T. Boddington of New York offers a cash prize of $25.

Stumpp & Walter Co. of New York offer special prizes of $10 and $5, open to private gardeners only, for 25 Richmond Roses.

A valuable paper is being prepared by W. S. Sibson upon the Roses of the Northern Pacific Coast.

The Horticultural Society of New York will issue, jointly with the American Rose Society, the preliminary prize list and rules within a few days. Mr. Joseph A. Manda has been appointed superintendent of exhibits. President Poehlmann is urging the Chicago people to make a fine exhibit in New York. The New England craft will be present with the best that they can produce. This exhibition is regarded by some of the strong people in New York as one of public education at which it is expected thousands will be present.

Vice-president Pierson, ex-President Simpson and Treasurer May are working like beavers to insure the practical success of the undertaking.

BENJAMIN HAMMOND, Secretary.

How Can Condensation be Stopped?

Editor The Florists' Exchange:

In answer to H. J., Md., page 215, issue of The Florists' Exchange of Feb. 5, would say that nothing will stop the condensation in the roof of his potting shed, except that he build a double roof. He must either build another roof over the present one, with a space of at least 3 in. between the two roofs, or he can put a floor below the roof. Tar paper nailed below the roof so as to leave a space of 3 in. between the roof and the tar paper, will give the same results. I have been in the same trouble. I built another roof over the present one, with 3 in. of space between, and have not had a drop of condensation, even in the coldest weather.

Norwich, Conn. F. J. LANGENBACH.

Traveling Greenhouses in England

We are sending you herewith photograph which we received some time ago from England, showing arrangements of traveling greenhouses which are used to a considerable extent in that country. You will see, by referring to the photograph, that the gutters of the houses are built so as to form runways on which the house can be moved. The houses are used during the Winter in one position on account of the heating pipes; then in the Summer, when the houses are to be moved to a different position, the heating is arranged so as to be left in place and the houses moved away from it.

KING CONSTRUCTION COMPANY.

North Tonawanda, N. Y.

Traveling Greenhouses in England

Single Flower Dreer's Select Late Branching Aster

The Aster, a Favored Flower of Summer

Although the Aster was introduced into the commercial world nearly 200 years ago, it is only during the past twenty-five years that its value as a Summer blooming plant has become recognized. Its evolution from a small single flower to its present day stage, has been slowly but surely accomplished, and the results have been such that the great cut flower centers of the country depend upon it as a staple article of sale, during the early Fall months. A succession of bloom, in many colors, can be obtained from early July until snow flies; the last crop, including the well-known Branching Asters, being particularly valuable.

Many varieties and groups have become established so that the most fanciful taste can be satisfied, as is evidenced by the contents of the many seed trade catalogs, which are mailed to practically every corner of the United States.

The original Asters were brought from China to Europe about 1731, by a Jesuit Missionary, named R. P. d'Incarville. At that time it was a single flower, the outer rays or florets being white, blue or violet in color, and the center of a yellowish cast. Seeds of these Asters were received in England in 1736, but the double varieties were not heard of until some years later. Up to about 1885 some 250 varieties were known, since which time the well-known Vick's Branching Aster was introduced. Its habit, range of color and ease of cultivation, besides the length of time that the flowers are durable, both cut and on the plants, at once made it popular, and from that time this type has become a favorite flower for the Summer garden. Besides these Branching Asters, several other types are well known, including the Comet, Imperial, Semple and Late varieties, as well as the Peony-flowered type, all of which can be had in almost any color.

Every retailer recognizes the demand for Aster plants by the dozen or hundred, from May 1 to July 4, and this is the time of year to secure seed; it behooves every grower to look over his catalogs and place his order before the various colors are sold. It is nearing time that early flowering varieties be sown, in flats, after which they can be transplanted in rows, 2 in. apart into coldframes; these of course to be protected if very cold weather prevails.

Growing Asters for Seed

Asters undoubtedly form one of the most important supplies in florist cut flowers during the months of July, August and September, and the production of seed of strictly high-grade sorts receives special care at the hands of our leading seedsmen. Until a few years ago, Germany furnished practically all of the Aster seed used in the world, but the American market is now largely supplied by American-grown seed, the quality of which is as high as any ever imported, and the germination usually much stronger. The merits of many American sorts are now acknowledged by the Europeans, and quite a quantity of seed is annually exported. Years ago, American Aster seed was saved in small lots by florists who secured what they could after using the finest flowers for cutting. This practice is all changed and there is now annually not less than one hundred acres planted in different parts of the country, exclusively for seed. The accompanying photograph shows a field, in the western part of New York State, of Crego's Giant Comet White and Shell Pink Asters being grown for Henry A. Dreer of Philadelphia.

On this farm about ten acres are devoted to high-grade Asters for seed only, no flowers being cut for sale. When the representative of the Dreer firm made his annual tour of inspection, in September last, he made some inquiries from their grower as to how that specialist handled his stock, and the information which follows will undoubtedly be of general interest.

SOIL: Is a clayey loam.

FERTILIZER: Four hundred pounds per acre of high-grade commercial when applied in connection with well-rotted stable manure; six hundred pounds per acre when used alone. This is thoroughly incorporated with the soil about ten days before setting out the plants.

SOWING THE SEED: Early and midseason sorts, including Early Wonder, Snowdrift, Lavender Gem, Daybreak, Pink Beauty, Crego's Giant, etc., are sown in a coldframe about April 1. Late Branching kinds are also sown in coldframes about April 15.

TRANSPLANTING: The early varieties are transplanted to the open ground about May 10, midseason sorts about May 15, and the late kinds from June 10 to 15; these dates are, of course, rather elastic, everything depending on local weather conditions.

CULTIVATION: Thorough cultivation is given throughout the season, the fields being kept perfectly free from weeds. Most of the cultivation is done with a horse hoe, and for this reason the plants are given ample room between the rows, the early and midseason sorts being planted 8 in. apart in the rows, and 30 in. between the rows; the late sorts, 12 to 14 in. in the rows, and 30 to 36 in. between the rows.

As soon as the various lots come into bloom, any plants which are untrue, or not up to standard, are pulled up and destroyed. The grower goes frequently through the fields, carefully marking with a stake the most perfect plants of each kind, from which is saved the stock seed to produce the following year's crop, and it is largely owing to the great care exercised in the selection of these stock plants that the present high standard of American Asters, as now sold by the leading seedsmen of the country, is due. Any failure of the grower to attend to this part of the work is certain to be reflected in a deterioration of the quality of future crops.

In the locality where these Asters are grown, disease, blight, etc., are practically unknown, and if the plants produced from these seeds are affected by fungus or other troubles it is reasonable to assume that they are caused by local conditions, and not by inheritance.

Single Flower of Crego's Giant Comet Aster

The Rose Remains Undisputed Queen

In defiance of the glamor of Sweet Peas, and the plethora of wonderful novelties in recent years, the Rose in the garden holds her own. Aye, more than holds, for the gardeners and the amateurs are flocking to her banner in ever increasing thousands. Nine hundred new members joined the National Society in 1909, making a total of about 3500, all paying at least 10s. 6d. ($2.50) subscription. The trade has been scenting this all along, and the breeders have steadily been working for the ideal Rose that would attract the public attention.

The two Dicksons, McGredy's, Paul & Son, Bide, and a host of others at home, are now turning out novelties, while the French, German, American and Australian are helping them. The gardening enthusiast sees these new wonders, and becomes a Rose devotee. Old garden favorites are pushed out to make room for the Roses, and still there remains the eagerness for good new kinds. Let them come from where they will, so long as they be good, and the Britisher will scrape his pence to get them! The raiser, of course, is not the only one to benefit.

Hundreds of nurserymen all over the country are making a specialty of hardy Rose growing and between the lot of them they dispose of plants that must number millions.

millions. The three big Irish firms grow about one million Roses annually.

The Autumn and Spring sales of 1909 and 1910 will probably surpass all previous sales, for one firm of my acquaintance cleared out of all the newer sorts of Roses before November ended, despite their big stock.

This demand is not confined to this country alone, for in November, the great wholesale firm of Gouchault & Turbat of Orleans, France, were unable to supply some of the recent sorts. T. A. W.

Dreer's Field of Crego's Giant Comet White and Shell Pink Asters

Catalogs Received

J. L. DILLON, Bloomsburg, Pa.—Wholesale Catalog, for 1910, of Roses and Carnations. An eight-page publication covering rooted cuttings of the best trade varieties of Roses and Carnations, also Verbenas and Coleus.

REICHARDT & SCHULTE CO., Houston, Tex.—Eleventh Annual Catalog of Garden, Field and Flower Seeds. This is a 64-page publication containing an extended list of vegetable and flower seeds best adapted for the South. The Catalog is well illustrated and appears within lithographed covers illustrating vegetable and flower specialties.

WOOD, STUBBS & CO., Louisville, Ky.—Spring Catalog of Blue Ribbon Vegetable and Flower Seeds, Summer Flowering Bulbs and Roots, Tree Seeds, Grass and Field Seeds, Implements, Fertilizers, etc. The publication contains 80 pages, well illustrated and is bound in handsome lithographed covers displaying vegetable and field specialties.

DIGGS & BEADLES, INC., Richmond, Va.—Catalog of Seeds for 1910. This is a 64 page publication covering a well selected line of Vegetable and Flower Seeds, Farm and Field Seeds, Poultry Supplies, Fertilizers, Insecticides, etc. It appears within lithographed covers bearing representations of vegetable and flower specialties. Illustrated.

WAGNER PARK CONSERVATORIES, Sidney, O.—A 40-page Catalog of Roses, Hardy Plants, Hardy Flowering Shrubs, Trees, Fruits, Ornamental Hedge Plants, Shade and Ornamental Trees, Conifers, Evergreen Shrubs, Vines, Cannas, Dahlias, Decorative House Plants, Plant and Lawn Requisites. Among the novelties are noticed Hydrangea grandiflora alba; Wagner Park Mallows; and Roses Flower of Fairfield, and Veilchenblau (Blue Climbing Rose). The publication is printed on excellent paper stock and bound in duotone covers. Illustrated.

GRISWOLD SEED CO., Lincoln, Neb.—General Catalog of Vegetable, Flower and Farm Seeds, Bedding and House Plants, Hardy Perennial Plants, Summer Flowering Bulbs, Hardy Lilies, Roses, Climbing Vines and Bulbs. The catalog lists "Corn-Saver Beet," a new plant which is highly praised as a hog food. "New Shallu," a non-saccharine Sorghum from India, is praised as a valuable green, and it is stated that it will produce more seed than any of the Cane or Sorghum family and about double the amount of either Red or White Kaffir Corn. The covers of the catalog are illustrated in colors, one with a collection of Vegetables, the other showing a collection of Climbing Nasturtiums.

W. ATLEE BURPEE & CO., Philadelphia.—Burpee's Wholesale Price List, for Market Gardeners and Florists, of the Best Seeds that can be Grown, for 1910. This publication, marked "Blue List," contains 102 pages, and is the third of the firm's series of catalogs for this season. Various vegetable and flower seed specialties selected from the firm's general retail catalog are given prominence, and the general lines of seeds are as complete, but all the price markings are made on a trade basis. The firm's new Neapolitan large early, new Sweet Upright, and Chinese Giant Peppers are subjects of color plates. The publication is well printed and illustrated, and appears within printed covers, with illustrations of vegetable specialties forming the ornamentation.

THE MOORE SEED CO., 339 Market st., Philadelphia.—Wholesale Price List of Seeds for Market Gardeners and Florists, 1910. This is a 62-page publication, the result of the 40 years of careful seed growing experience of this well-known house. An excellent line of vegetable seeds is described, among them many proprietary varieties, such as Moore's New Giant Bush Lima Beans, Moore's California Mammoth Golden Self-Blanching Celery, Moore's Early Cabbage Head Lettuce, Moore's New Early Royal Pink Tomato, and other good things. The catalog is well compiled, the descriptions of the different vegetables full and explicit, and copies should be in the hands of every florist who grows vegetables commercially, under glass or otherwise. The illustrations are both numerous and novel, and, taken altogether, the publication worthily represents advanced ideas in vegetable culture. It appears in lithographed covers, the front page picturing a fine Tomato planting.

SCHLEGEL & FOTTLER CO., Boston, Mass.—1910 General Catalog of Vegetable, Farm and Flower Seeds. Among the specialties for 1910 we note Bean "Full Measure," a stringless variety of recent introduction, with green pods 5 in. long, round, firm and tender, an illustration of this Bean is shown on the back cover page. "Orient Special" Brussels Sprouts is noted as a remarkably prolific variety and one which rarely fails to produce a satisfactory crop. Tomato "Comet" is claimed as the best Tomato for forcing; not only is it very attractive, but of excellent shape, color and quality, being of medium size. In Flower Seed Novelties and Specialties for 1910 there are introduced quite a number of new Asters and a Giant Blue Marguerite (Agathæa cœlestis monstrosa), an excellent pot or border plant with flowers twice the size of the old sort. Many other novelties and later introductions are catalogued, among which probably that of Salvia splendens pyramidalis, bearing large flowers of the most intense scarlet, on long spikes, will be found one of the most useful; it is particularly adapted for pot culture or for beds and borders.

VAUGHAN'S SEED STORE, Chicago and New York.—Catalog of Vegetable and Flower Seeds, Plants, etc., for 1910. This is a 160-page publication gotten up in the usual good Vaughan style and embracing practically everything in the seed and plant line. There are seven pages of novelties and specialties in vegetable seeds, among the novelties being a new green-seeded pole Lima Bean called "Carpinteria," the distinctive feature of which is the green tint on the bean, which color it retains in the dry or ripe state to a greater extent than usual; a new bush Wax Bean called Vaughan's Monster Stringless; a new Sweet Corn called Early Iowa, almost as early as Malakoff and much larger; Hoodo, a fine new Cantaloupe; a new early dwarf Pea called Little Marvel; Vaughan's New Fill Basket Spinach, plants of which have reached a diameter of 24 inches; and a new Tomato, Bonny Best. Flower seed novelties and specialties occupy seven pages, and cover some of the newer forms of Asters including the new Mikado Pink; Anchusa Bugloss, a novelty; a new Calliopsis, Tiger Flower; Centaurea Americana alba; new single Chrysanthemums; new Delphiniums; Burbank's Dahlia and new double fringed Shasta Daisy; Dimorphotheca aurantiaca, the golden Marguerite; Burbank's new Eschscholtzia; new Petunias, Phloxes, Nasturtiums, Primulas, Stocks, Scotch Violas, Pansies and Sweet Peas. Gladioli are very prominent, and a page color plate is presented of the varieties America, Princeps and Mrs. Francis King. Another color plate shows the Canna King Humbert, and Burbank's purple-leaved Plum, Othello, Vaughan's own introduction. The general lists of both vegetable and flower seeds are very full and complete. Summer flowering bulbs take up considerable space, as also do Cannas, Dahlias, Chrysanthemums and Geraniums. Ferns, Palms and other decorative plants are given prominence, and six closely filled pages are devoted to Roses. Hardy Climbing Vines, Perennial Plants, Peonies, Ornamental and Flowering Shrubs, Shade and Ornamental Trees, Fruits, Grasses and Field Seeds are all given departments, as also are Fertilizers, Garden and Greenhouse Tools and Requisites. There are 160 profusely illustrated pages in the publication, which appears in very handsome lithographed covers with gold ornamentation, the front page bearing a Sweet Pea design backed with garden views, and the rear page bearing a vegetable garden view with vegetable specialties prominent.

W. W. RAWSON & CO., 5 Union st., Boston.—Catalog of Rawson's Renowned Dahlias and Superb Gladioli for 1910. A 108 page volume in handy, pocket shape, which undoubtedly is, as its compilers state, the most complete Dahlia catalog ever published and covers the firm's own collection, which contains the world's production of two important flowers, the fruits of the authors' five years of endeavor to collect the several thousand varieties from every corner of the globe. It contains, easily, a thousand more varieties than has any other catalog ever published, and is strictly uptodate, embracing even the 1910 introductions of American and European specialties. All descriptions given are the original descriptions of the introducers, and have been translated into English from eight foreign languages; and the photographs reproduced are all made from average specimens. In the preface it is explained that during the season of 1910 over a thousand new varieties will be tried out and the best only selected. In the firm's collection are combined the introductions and productions of England, Scotland, Ireland, Germany, France, Italy, Spain, Denmark, Holland and Belgium, Australia, and South America. There are cultural directions given for growing Dahlias and instructions how to grow them for exhibition, as well as much other information. Several new Cactus Dahlias are described, including the prize winner, Boston Yellow. The general list of the Cactus sorts is quite extended, many pages being given up to this section. Decorative Dahlias also are extensively listed. Peony-flowered Dahlias occupy some eleven pages, the collection including five splendid novelties for 1910. Sections devoted to Show Dahlias, Pompons, Singles and Collarettes are also important features of the book. The section devoted to Gladioli is of much interest, and includes an important introduction of the firm's own, and four splendid sorts of foreign introduction. The general collection is very complete. The publication is beautifully illustrated with new half tones of good size and of more than ordinary merit, and is bound within covers bearing representations in half tone of types of Peony-Flowered Dahlias. Every florist should have a copy of this catalog whether a Dahlia enthusiast or not.

We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(41) **Trouble with Snapdragon.**—Under separate cover I am sending you some specimens of my Snapdragons. Please tell me the trouble. The white flower stalk is nearly four feet tall and as you see is getting a light discoloration on the stem up near the bloom; in a few days it causes the stem to bend over as in the pink specimen, and finally breaks off as in the third stalk enclosed. Some of the plants have made a fine growth and others appear stunted with the leaves curled; there are many buds, but a great many of them are becoming affected as sample. I am fumigating them with tobacco twice a week, and spraying them with the hose. Will you kindly tell me the cause of the trouble and the remedy for it; as I am afraid it may ruin my whole crop?—A. J. D., New York.

—Samples of Snapdragon sent here we found to be filled with red spider, and judge from appearance that you are keeping your greenhouse too warm, a condition which the Snapdragons do not like. About 45° to 50° at night is plenty. Would suggest frequent syringing of foliage to keep down red spider, plenty of ventilation when possible, and paying more attention to prevent overwatering and overfeeding, which we think, together with too high temperature, is the cause of the spots on flowers stems.

(42) **Treatment of Geranium Cuttings.**—Will you kindly answer through your columns the following questions. (1) What is the proper temperature to keep sand in a Geranium cutting bench? Is ventilation beneficial for same? (2) Kindly name a suitable list of pot plants to be started from now on for wholesaling next Fall and Winter. Have been told by a certain florist that he is able to root Geraniums in ten days, with no losses from decaying. Is this not better than in general practice? (3) Is one year old Celery or Tomato seed of any use?—A. B. R., New York.

—(1) Geraniums cuttings need a temperature in sand about 60°, in which they make root in from 15 to 21 days according to the condition of cuttings. Warmer temperatures than this produce quicker results, but are not to be advised, as often disease asserts itself, a condition which no florist desires. Ventilation when possible is necessary. (2) Cyclamen, Primula obconica, Lorraine Begonias, Primula Chinensis, Tuberous Begonias, Gloxinias, besides many annuals which can be grown from seed sown now, and planted out and potted carefully when in bloom, such as the Coxcombs, Asters, Schizanthus, Cinerarias, etc. The hardy Chrysanthemums also give a good list to select from, as well as the Japanese types; not forgetting, of course, Palms, Ferns, Crotons, Dracænas and other decorative plants. (3) Vegetable seed one year old should be good, but take a trifle longer before germination commences.

(43) **Best White and Pink Roses for a Retail Grower.**—I would like the names of the best white and pink Roses for a retail grower to plant. I have grown the Bride and Bridesmaid for years quite successfully and thought of changing to the Killarneys. Can Killarney be sucessfully grown in beds or does it do better on raised benches? Is it subject to black spot or mildew? What temperature does it thrive best in and is it as easy to propagate as the Bride and Bridesmaid? Also is it a heavy feeder?—B. E. N., Va.

—The white and pink Killarney Roses have proved to be very popular among growers and retailers and, in the New York market, are in better demand than other Roses. The culture of the variety is considered even more easy than is necessary for the Bridesmaid types, as the vigor of the Killarneys is greater, and they resist mildew and black spot readily when grown under proper conditions. Temperature necessary, 58° to 60° at night. It is a matter of opinion as to whether solid or raised benches are the best. But in most of the newly constructed houses, solid benches with cement sides are used and found satisfactory. Feeding should be resorted to same as for other Roses, a great deal depending on the condition of soil, plants, and season of year. Would suggest you try 500 plants of Killarney before going into it too heavily, as this quantity will give you full opportunity to study its requirements.

(44) **Carnation Troubles.**—Enclosed find some foliage from the bottom of our Carnation plants for your inspection. Can you give us a cure for the trouble? Houses are standing north and south and the plants are set 6x10 and 8x10. Our Carnations are about off crop. At what stage should the next crop be in order to feed them without danger? And what would you feed with? The plants are weak in the stem. Is there anything we can apply to make them stiffer?—L. N. F. Co., West Va.

—The leaves from the base of Carnation plants are such as are usually found at this time of year and are naturally dead, especially as some of your plants are so crowded. The upper leaves appear healthy, except for red spider, and some effect of green fly, to rid yourself of which syringing and fumigating should be resorted to. As your plants are now making new growth, would suggest light feeding often, say once a week, with liquid cow manure, or apply a light top-dressing of bone meal, or pulverized sheep manure, in a ratio of 5 parts of soil to one of manure. Or, scatter the manure on the benches around base of plants, and rake same carefully into the soil, taking care not to disturb the roots near the surface. A good opportunity presents itself, now that your plants are off crop, to keep the temperature a trifle lower, giving air whenever possible. Carnation stems at this time of year are usually weak, especially after a spell of cloudy weather. This condition will gradually improve as the days grow longer. When watering see that water goes to bottom of the bench, as this is sometimes the cause of weak stems, the bench at bottom often drying out faster than at top, on account of the heat from pipes. Bordeaux mixture lightly sprayed on at this time of the year is a good way to prevent disease and adds to the general health of plants.

Buffalo, N. Y.

At the Club meeting held at Kasting Hall, the nominations of officers for the ensuing year were made as follows: Jos. Striet and Wm. H. Grever for president; Otto Gillis, vice-president (no opposition). Wm. Legg was nominated for secretary (no opposition). Mr. Legg has filled this office for the previous term and no better man could be had for the place. For treasurer, Jos. Sangster, Chas. Sandiford and Louis H. Neubeck. For financial secretary, Jerome Thatcher, one of Kasting's able assistants.

The election will be held on Tuesday, March 1 at a place to be decided upon by the committee. It was also decided to have a banquet and to write to some of the Carnation specialists to have them exhibit their new Carnations for the benefit of those members who were not fortunate enough to attend the A. C. S. show at Pittsburgh.

At the earnest solicitation of the committee Mr. Slattery held his paper for the night of the election of officers, to be put on as an added attraction; this paper has been the talk of the local florists for the past six months, and as it deals with color harmony from a florist's viewpoint, it will make a very interesting subject. As Mr. Slattery has had some of the biggest decorations in this section he will be able to explain some of the color effects used to advantage in his own work. The committee will have a great night's entertainment to furnish the club members, so everybody had better put off all other engagements for that night and attend in order not to miss any of the good things. Remember the date, Tuesday, March 1. W. H. GREVER.

XENIA, O.—Robert Swahy, florist at the O. S. and S. O. Home is seriously ill from an unknown trouble.

ALLIANCE, O.—The Lamborn Floral Co. contemplates an enlargement and improvements to its plant in the near future.

Margaret Anglin a Florist

According to the Chicago Journal Miss Margaret Anglin, the well-known actress, is a partner of Mrs. Otis Howard, formerly wife of George S. McReynolds, in her Violet growing establishment at Glencoe, near Chicago. The partners propose to considerably enlarge the greenhouse area of the establishment in the near future.

A Rack Containing 150 Phalænopsis grandiflora, Imported by the MacRorie-McLaren Co., San Francisco, Cal.

BY EBER HOLMES

More Water and Food for the Plants

As the days lengthen and the sun gets stronger it is well to remember that the Rose plants require more water and food to get the best results from them. This will be true in nearly all cases, but more especially where the plants are large and strong, and more than one year old. In many cases the young, white feeding roots will be showing on top of the ground, and these should be carefully covered with a top-dressing of manure. If this is not available at present from outdoors, a covering lightly with sleep manure (pulverized) followed by a similar coat of loam will carry the plants along until a more bulky covering can be procured and applied. For the present it is enough to protect the young roots, which are liable to get washed bare with the successive waterings; but very soon a heavier coat will be needed.

It is seldom that Roses suffer from overwatering after the first of February, if the drainage in the beds is what it should be, and if reasonable care is used in the work. More harm is done by using too little water in many cases.

Prevention of "Roasting"

The beginner in Rose culture should know also that after the very cold nights that we often get at this time the fires should be banked at the earliest possible moment, and that previous to this the number of pipes in the houses should be reduced to a minimum before the bright sun gets on the houses strong enough to run up the temperature too high.

All the troubles which are likely to come in the Springtime, such as red spider, mildew and small flowers, will be encouraged and invited by the roasting process, which some houses get and which is so easy to avoid if the right thing is done at the right time. Never go to extremes, always anticipate every change and meet it half way and you will be surprised to find how much easier it is to do things right than to be continually doing them wrong, and much more profitable.

Ventilation and Prevention of Mildew

Ventilation is a thing that worries the beginner, perhaps, as much as any other one thing. It is a safe plan to carry a little air whenever possible, increasing it as occasion demands, a little at a time. A little sulphur mixed with water and painted on the pipes will keep down mildew. If lime is added, in about the same proportion as for whitewash, it will stick better. Or, the sulphur may be mixed with linseed oil and painted in patches on the pipes; in this case it will last for weeks without having to be renewed, but the smell is disagreeable, although harmless to the plants. The question was asked me a short time ago if it was not very dangerous to paint sulphur on steam pipes. It is not dangerous in the sense that burning sulphur in a pan over a flame is. I have seen a few old leaves drop off bushes as the result of sulphur fumes from steam pipes, but have never seen any serious harm result from it. One or two 1¼-in. steam pipes painted thinly the full length of a house 25 to 35 ft. wide, and more pipes as the width increases, will give good results and do no harm.

Prevention of Green Fly

We find that it is much easier to keep green fly from making its appearance than it is to get rid of it after it gets established, and fumigation as a preventive is really more of a success than as a cure, although, of course, it is good for both. If you must spend money on a green fly destroyer, why not use it before the fly has spoiled the value of any of your flowers? You will always notice that the man who has the healthiest stock has also the cleanest. Every disease that the plants are heir to will attack a sickly lot of plants before they will touch a lot of healthy ones.

Careful Selection of Stock for Propagation

As this is the time when propagation is in full swing it is well to remember that careful selection of stock pays every time. The best is none too good in these days of sharp competition, and while a skillful grower can take a poor cutting and turn out a better plant than others can out of a better cutting it is not fair to the grower to expect him to start with that handicap. Nor is it policy for any owner to plant second rate stock on his place. It costs no more to care for good stock for a year than for poor, and when the difference in first cost is so trifling it is surely folly to attempt it.

Treatment for the Richmond Rose

There have been remarks made for the past year about the Rose Richmond deteriorating, and some growers are reported as ready to drop it. I do not believe that this Rose is in as bad shape as some people think. We have nothing in sight with which to replace it. If grafted, nothing but flowering wood should be used, and the earlier the plants are grafted the better the results will be. It is also advisable to keep the temperature around 60° at night for this Rose. It will be remembered by many that when this Rose was first introduced some of the men who grew it most successfully and profitably grew it on its own roots, and I think it possible that this is the better way to grow it. I have seen during this Winter several benches of own root plants which were very small last Fall and were planted late, but which have done remarkably well.

After the first year I think that own root plants are preferable to grafted ones, and for results the first year with own root plants you must get an early start, and plant early. Of course, if you have a dozen houses you can plant some early and others later, but for the best results the following Winter after planting there is nothing like early planting of good stock.

Selection of Varieties

The doom of that good old Rose Bridesmaid seems to be sealed, around Boston; it is almost impossible to sell the flowers, and it is probable that most of the stock planted last year will be thrown out and replaced this Summer with other varieties. Our experience has been that while it is very interesting to grow a variety of Roses, it is more profitable to confine oneself to a few standard varieties, and grow them in quantity. There is, of course, always a call for novelties, and when a man gets a good thing pretty much to himself there is money in it, but this is somewhat of a lottery and must of necessity be confined to the large growers. If they lose a house they can stand it, and generally have something else ready to succeed a possible failure, and when they get a new kind which is a success it helps to balance their previous losses. By all means let us have new kinds, and do everything in our power to advance the popularity of the Rose.

Care of Young Plants

I have omitted any remarks on the care of the young plants or cuttings, as they have been made so often, but for the beginner, who is always with us, perhaps it may be wise to repeat them. Never allow the cuttings to wilt at any time. Pound the sand down firmly before inserting the cuttings, water well after insertion and afterwards every day or so as required. Never let the sand get dry; about four inches of sand is a good depth. For grafting see that your case is tight, this is important. Pot the Manetti stock as soon as received and set in a cool house. A north side house is preferable; if this is impossible set them under a bench, or shade from the sun. When they are well rooted and before the tops have started is the time to graft. Never let the scions wilt. As soon as possible after grafting set them in the case and shut down tight. Hang a thermometer in the case in such a way that it can be seen from the outside. Around 75° is the best temperature for the case, and we have had better results with four inches of ashes on the bottom of the case than with two or less. The larger depth holds the moisture better. Do not open the case for the first five days, after that you may gradually admit air and then carefully increase it a little at a time every other day. Be careful not to get the water in the cut before the union of stock and scion is complete. The raffia for tying the grafts should be cut into lengths and split into the proper thickness by the help before being needed for use. If it is used too thick and tied too tightly in a hard knot it will probably have to be cut away as the plants grow. Use just enough to bind the two parts firmly together, and pass the loose end underneath the last roll and draw tight, and it will rot away and work loose as the plants grow, and will seldom need to be cut away.

W. Atlee Burpee & Co.'s "Annual"

Your flattering reference to Burpee's Annual is well deserved, for there is no questioning the fact that W. A. B. has a style all his own. The list is well printed, and the color work is far ahead of the general run of such work done over here. Many of the color prints in seed lists are ghastly daubs or else ultra flattering. There is just one point where W. A. B. and many other U. S. A. firms fall short of our best catalogs and this is with regard to halftone engravings. Burpee's Annual contains not a few halftones, but the quality of the paper used, and the firm's strong position, warrants a great many more such illustrations. T. A. W.

An Importation of Four Thousand Phalænopsis grandiflora, Received by the MacRorie-McLaren Co. of San Francisco, the Last Week in December, 1909

Albert G. Fiedler & Co. of Baltimore, Md., who send us the Price List herewith reproduced, say. "The inclosed circular needs no explanation on our part. * * * We just send you the same to show you what the large department stores are beginning to do in our city; no retailer can meet such prices."

Visit Our Plant and Flower Department; Rear First Floor, Lexington St. Building

PLANTS *and* FLOWERS

WITHIN THE REACH OF EVERYONE

IF ADVERTISED ELSEWHERE, IT'S CHEAPER HERE

FERN DISHES COMPLETE, 25c UP

Palms, 9c up — Rubber Plants, 29c to $1.50
Ferns, 10c up — Cactus, 20c each
Excelsior, 25c up — Sago Palms, 25c up
Hydrangeas in bloom, 49c up — Iceland Moss, 19c up
And all varieties of plants

LEAVE YOUR ORDER FOR FUNERAL DESIGNS
ARTIFICIAL OR NATURAL CUT FLOWERS

Crosses, $1.50 up — Crescents, $1.50 up
Gates Ajar, $2.50 up — Pillows, $1.29 up
Anchors, 75c up — Chairs, $2.29 up
Wreaths, 39c up — Sago Palm Bouquet, $1.50 up
Palls, $5.00 up
Made up of choicest artificial or natural cut flowers

WEDDING BOUQUETS AND FLORAL DECORATIONS

OUTDOOR PLANTS

Evergreens, 39c up — Blue Spruce, $1.25 per foot high
Boxwood, 39c up — Norway Spruce, 50c per foot high
Privet (Hedge), 1 year old, 25 for 35c; 2 and 3 years old, 25 for 45c. If they do not grow will give others in place.
Also, orders taken for shade and fruit trees at very lowest prices

BERNHEIMER BROS.

302-306 WEST FAYETTE ST., THROUGH TO LEXINGTON ST.

Some of the Crosses in the Life of the Retail Florist

[We urge that no attempt be made to meet these prices advertised by the department store. The remedy lies in handling superior stock and in more adroit salesmanship. The efforts of the department store tend to make new customers in the business, and the patronage of such will gradually come to the florist as they learn to distinguish poor from good. But these results cannot be brought about, unless your firm does some bright advertising on its own account.—Ed.]

Wax Brothers' Store at Boston

This short story is to show what can be accomplished in a few years by those who attend strictly to business and do business in the right way.

Samuel and Martin Wax began business back about fifteen years ago at 20½ Temple place. The size of their store then was 3 ft. wide and 25 ft. long. It was the smallest retail store in Boston and was known to the trade as "The Hole in the Wall." They are located today on one of the busiest and best business streets in the city at 143 Tremont, where they have been for the past twelve years. Their store is one of the most up-todate in the city and they believe in spending money to get the latest and best equipment wherewith to carry on their increasing business. Only last Summer they spent $10,000 in improving their store, which now has a frontage of 27 ft. and runs back 25 ft., having two large handsome show windows. The walls in the interior are decorated with large mirrors and the shelving and tables are of white marble and glass. On the left as one enters visitors are attracted by a large handsome ice-chest, which is 10 ft. long, 4 ft. wide and 8 ft. high; the sides and ends are of the finest of glass and, at the time of my visit, the chest was brimful of the choicest flowers. In the rear is a large office with three telephones.

Exterior View of the Retail Store of Wax Bros., Boston, Mass.

When I called there were so many people admiring the flowers in the windows that I hardly could get near them to take a few notes. On a street where there are many people passing to and fro it pays well to spend some time on decorating the show windows. Certainly Wax Brothers have an eye for the beautiful and also possess a knack for artistic arrangement. Their windows were splendidly set up and contained the following choice things; Cattleyas, Lælias, Cypripediums, Gardenias, Roses, Lily of the Valley, Daffodils and Freesias. Very noticeable was a fine vase of the new Rose, Mrs. Aaron Ward.

The basement of their store is well worthy of inspection; it covers a space of 55 ft. by 27 ft. It also has a large refrigerator measuring 18 ft. by 5 ft. and, on the left, is a nicely furnished private office. In the basement is stored all sorts of goods required in their business.

Their specialties are Orchids, Roses and Violets, but they also carry the very highest grades of all kinds of flowers. R. C.

The Boston Retailers

Hoffman's store, which is on the corner of Mass. ave. and Boylston st., is always attractive. His show windows are always artistically arranged and the way the material is put up shows that Mr. Hoffman is full of original ideas. He has a splendid open front to his store and his windows are shown off to the very best advantage. He has invariably a nice lot of well-grown Box trees, Bay trees or coniferous plants, arranged effectively outside his entrance. Inside, the store is most conveniently arranged with ample room. Hoffman carries the very highest grades of flowers. At the time of our visit he had the best of Elliott's Roses and the pick of Sim's Sweet Peas in his ice chests. His pot plants are all grown at his own range of greenhouses at Mount Auburn. We saw a nice lot of Primula Kewensis, in five-inch pots, which was well grown. This plant looks better in this size pot, with four or five flower stems, than in larger sizes of pots. Sydney Hoffman is probably the youngest of the retail florists; he is full of vigor and enthusiasm and a hustler. He is pleasingly located and is doing a thriving business.

Carbone is an artist and one can invariably get new ideas by spending a few minutes examining his windows. Last week he had a lovely Spring display of Prunus, Pussy Willows, Lilacs, and other early Spring flowers. This week one of his windows is made up entirely of well-grown Camellias, about 4 ft. in height and very well flowered. They are arranged with telling effect. There is quite a demand now for these plants when well grown and nicely flowered.

Interior View of the Retail Store of Wax Bros., Boston, Mass.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — **ALBANY, N. Y.** **11 North Pearl Street**
Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Atlanta Floral Co. — **ATLANTA, GEORGIA** **41 Peachtree Street**
We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** **124 Tremont Street**
We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** **24 Tremont Street**
Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Robt. G. Wilson — **BROOKLYN, N. Y.** **Fulton St. and Greene Ave**
Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — **BUFFALO, N. Y.**
W. J. PALMER & SON, 304 Main St.

Hauswirth — **CHICAGO, ILL.** **The Auditorium Florist, 232 Michigan Ave.**
The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

JULIUS BAER, CINCINNATI, O. **Fourth St.**

Frank E. Crump — **COLORADO SPRINGS, COLO.** **Retail Florist**
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co. — **CONNECTICUT** **New Haven** **1026 Chapel St., Opposite Yale College**
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. G. Matthews — **DAYTON, OHIO** **Florist, 16 West Third Street**
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

The Park Floral Co. — **DENVER, COLORADO** **1706 Broadway**
J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

Newmans' window was displaying some fine flowering bulbous stock, such as Freesias, Lily of the Valley, Daffodils and Jonquils.

This week Edward MacMulkin's store window is made up of very handsome Cattleyas and other flowers of nearly that shade; the arrangement and the color effects with the other plants and flowers is very cleverly done.

Doyle has some nice vases of Acacia Drummondi in his Boylston st. window. It's too bad this lovely Acacia is so scarce; its soft yellow flowers are so pleasing and effective at this season.

Galvin's store on Tremont st. has the best Orchid display. Dendrobiums, Cattleyas and Cypripediums are the principal kinds. In the opposite window is an effective arrangement with small Araucarias and well-grown and beautifully colored Crotons. Later in the week one of the windows was given over to a handsome display of old-fashioned bouquets, which seemed to attract the public greatly. A bouquet made up of Dendrobium nobile, with green foliage and other delicate flowers, was very pleasing.

The attraction in Zinn's window on Park st. this week was a vase of Bird of Paradise flower (Strelitzia Reginæ). There was no name to the flowers and we heard quite a number of inquiries as to what the curious flowers were. We suggest that it would be a wise thing to have all flowers in the florists' windows correctly labeled in a good legible hand. It makes the display more interesting and educates the public; people can talk so much more intelligently of what they see in the windows if the names are given.

Comley's store on Park st. is interesting because he has always some novelties. In his window this week is a large vase of Dimorphotheca aurantiaca. This South African plant attracts much attention and Mr. Comley says that people seem to like it. Probably the worst fault this genus has is that the flowers of all the species close up at night. R. C.

For "Supply" Advertisements see pages 268, 269

All advertisers in this column are provided with Arnold's Florists' Telegraph Code No. 19

A Practical Basket

Arrangement and photo by Fred'k. Leary, Philadelphia.

As can be seen by the illustration, the formation of this basket is very appropriate for the arrangement of almost any kind of plant, and will lend unusual value and character to blooming plants, such as Hydrangeas, Azaleas, etc., at Easter time. The plant here arranged is an Aucuba, with a sash of scarlet ribbon drawn through it, which changes its entire appearance, and at once doubles its commercial value.

The practical part of the basket is that no time is lost in the dressing, for it only remains to place the plant in the basket and the work is finished.

John Breitmeyer's Sons — **DETROIT, MICH.** **Broadway and Gratiot Ave.**
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — **INDIANAPOLIS, IND.** **241 Massachusetts Ave.**
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — **JACKSONVILLE, FLA.** **20 Laura St.**
We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — **KANSAS CITY, MO.** **1017 Broadway**
I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — **LOUISVILLE, KY.** **644 Fourth Avenue**
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA** **855 St. Catherine St., West**
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Young & Nugent — **NEW YORK** **42 West 28th Street**
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** **25 Clinton Avenue, North**
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — **SCRANTON, PA.** **122 and 124 Washington Ave**
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** **20-22-24 West Fifth Street**
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

Sievers Floral Company — **70 Geary Street** **SAN FRANCISCO, CAL.**
"Choicest of Flowers Always on Hand."

Pittsfield, Mass.

On Feb. 1 The Flower Shop opened for business at 40 Fenn st. The store is located in the annex of the new Agricultural Bank Building and is thoroughly modern and uptodate; it extends from Fenn st. through the block to Dunham st., thus allowing two entrances each on a prominent thoroughfare, and one window each side of each entrance. The store was decorated with southern Smilax and the usual large Palms and Ferns, which blended well with the green and white finish of the walls and ceiling and the Mission furnishings. Many visitors were present, all of whom were much pleased with the new shop and expressed the opinion that it is just what Pittsfield has needed—a place where first quality goods could be obtained with the corresponding finishing touches. The Shop aims to carry only first quality goods and to cater to a trade which will appreciate such. Stanley G. Barnes, who has been with Chas. Limmer of Schenectady, is managing the store for the present, while his partner, Robt. L. Smith, also of Schenectady, will remain at his present place for a time. Trade has started in very good and conditions look favorable for its continuance. B. G. S.

The Florists' Exchange Design Book.

Have you seen a copy of this valuable assistant to all who have to do with "make-up" pieces. It is highly recommended by all who have seen it. Third edition ready. See advt.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—To take charge of first-class commercial or private landscape work. Address, Box 178, Little Falls, N. J.

SITUATION WANTED—As head gardener on a private place; life experience in all branches; married; one child. Address, Z. L., care of The Florists' Exchange.

SITUATION WANTED—By German, experienced in Carnations, 'Mums, pot plants and greenhouse work. Good potter. L. Geh, care of Hesse's Printery, 249 Hamburg ave., Brooklyn, N. Y.

SITUATION WANTED—A1 designer and decorator wants change of position. Able to manage store. First-class references. Address X. O., care of The Florists' Exchange.

SITUATION WANTED—By a first-class grower of Roses, Carnations, Chrysanthemums, Palms, Ferns, Lilies and general stock. 18 years. State wages. Address, A. B., care The Florists' Exchange.

SITUATION WANTED—For large private place by gardener, German, single, very skillful, reliable in greenhouse and garden work and well recommended. State wages. E. Hansel, 227 E. 57th st., New York City.

SITUATION WANTED—By head gardener, married, no children, in private family for the first of March. Thoroughly experienced in greenhouse work, vegetables and fruit trees. Best personal references. Write A. Buteaux, Allendale, N. J.

SITUATION WANTED—By first-class grower of cut flowers, Easter and bedding plants. Competent to take charge of first-class place. Married man. References. Address, A. L., care The Florists' Exchange.

SITUATION WANTED—As foreman or manager by life experience, practical German, 40, married. Palms, Ferns, Roses, Carnations, Chrysanthemums and bedding stock; first-class man; best references. Address, A. E., care The Florists' Exchange.

SITUATION WANTED—As landscape foreman; drawing plans, able to work all architect plans; to handle men to best advantage; fine references; good salary expected. Life experience. German. Address, A. F., care The Florists' Exchange.

SITUATION WANTED—By an expert Carnation grower as manager or foreman on a private or commercial establishment; married. Best references; state particulars; Eastern Pennsylvania preferred. Address, A. C., care The Florists' Exchange.

SITUATION WANTED—As manager for gentleman's place, public institution, park, cemetery, etc.; practical experience in all branches. References first-class. Address with particulars to C. L., care Joseph Linfoot, 1015 East McMillan st., Cincinnati, O.

SITUATION WANTED—By landscape gardener and engineer; absolutely competent and reliable in landscape of any description; also drawing plans; is 28, single, has 15 years' experience from foreign and American architects. Address, A. N., care The Florists' Exchange.

A LANDSCAPE GARDENER

having to his credit large and successful work, capable of making up planting plans and taking full executive charge, wishes an engagement. Address, Z. H., care The Florists' Exchange.

SITUATION WANTED—By single, sober, greenhouse man, Swede, aged 27; experienced in Roses, Carnations, Chrysanthemums and general stock; also fruit and vegetables under glass and outdoors. Best of references. Private or commercial place. Address, Z. L., care of The Florists' Exchange.

SITUATION WANTED—By first-class man, 30, as foreman able to take full charge; 17 years' practical experience in Palms, Ferns, Roses; propagating and growing of the general routine of greenhouse and nursery products; will make place pay if greenhouse and boilers are in good condition. A1 reference. Please state full particulars. Address, A. M., care of Florists' Exchange.

SITUATIONS WANTED

SITUATION WANTED—Will be open for engagement March 1, as superintendent and manager of large, private estate. Thoroughly experienced in landscape gardening, flowers, fruits and vegetables inside and outside; also erecting greenhouses and managing same. 29a Locust st., West Everett, Mass.

SITUATION WANTED—By a young man of 27 years, with life experience in growing all cut flowers and a general line of stock; private or commercial place; well acquainted with all kinds of shrubs, designing and carrying out of landscape plans. Address, B. Schilder, 603 Custer ave., Evanston, Ill.

SITUATION WANTED—By gardener, first-class (Belgian) having diplomas and first-class European references, knowledge of everything pertaining to greenhouses, orchids, also garnitures, in private house; (good place); understands English and speaks French. Address, Alphonse Authelet, 230 W. 22nd st., New York City.

SITUATION WANTED—Advertiser having recently completed the designing and construction of an estate nearly three hundred acres in extent in addition to other work; open to undertake landscape work to any extent. Road making, grading, expert planter; thorough knowledge of nursery stock and every detail of the game. References and photos of work carried out. Address, A. D., care The Florists' Exchange.

WANTED—To correspond with a first-class concern, who is desirous of securing a foreman or manager capable of handling men to the best advantage and running the place in a systematic, up-to-date way. First-class grower of fancy pot plants and cut flowers; the best of references as to character and ability; married; total abstainer. Address, Z. E., care of The Florists' Exchange.

HELP WANTED

WANTED—Strong young man for work about greenhouses. Address, Henry Eichholz, Waynesboro, Pa.

WANTED—Single, American man for general greenhouse work; potting, watering, etc. Joseph Wood, Spring Valley, N. Y.

WANTED—Market gardener, to manage 10 acres, supply hotel, keep accounts, etc. Address "Worker, Long Island," care The Florists' Exchange.

HELP WANTED—Sober capable men for forestry work; good climbers. State wages. Write Box 13, Fuller Bldg., Jersey City, N. J.

WANTED—Carnation Grower, only a sober, well experienced man needs to apply. Wages $12.00 per week. Geo. Peters & Sons, Hempstead, N. Y.

WANTED—At once, an assistant who is well experienced in the growing of Carnations. Greenhouses on Long Island. Address, Y. N., care of The Florists' Exchange.

WANTED—Young man as an assistant in carnation house. One with some experience preferred. Address or apply to Cottage Gardens Co. Inc., Queens, L. I., N. Y.

WANTED—Good vegetable gardener to also take care of lawns and be useful. $50.00 per month. Address, "Long Island," care The Florists' Exchange.

WANTED—An assistant gardener for private place; must be experienced in all greenhouse work. Wages $30.00, board and room to start. Address, William Reupke, Winterthur, Del.

WANTED—Active young man in greenhouses where Roses, are grown. Good opportunity in uptodate place. References required. Address, A. K., care The Florists' Exchange.

WANTED—For a private country place, a man accustomed to growing vegetables. A married man and a Protestant preferred. Address, 876 Drexel Bldg., Philadelphia, Pa.

WANTED AT ONCE—Young men as assistants in our greenhouse department. Those with some experience in Carnations preferred. References required. Address, A. I., care The Florists' Exchange.

WANTED—Two young men with nursery and landscape experience for planting and grading by plans and architects' supervision; state wages, etc. Address "Landscape Architect, Long Island," care The Florists' Exchange.

WANTED—Day fireman (married) for steam boilers; must be handy with tools. Permanent position for a good man. State references and particulars with wages wanted. Address, Y. D., care of The Florists' Exchange.

WANTED—Married foreman for commercial place, about 75,000 feet of glass—Roses, Carnations and Chrysanthemums. None but thoroughly experienced men in these lines with good references need apply. State particulars with wages wanted. Address, Y. E., care The Florists' Exchange.

The use of these columns will obtain for you a desirable position at any time.

HELP WANTED

Fernwood Nursery

WANTED—A nursery salesman; must have A No. 1 references and have knowledge of landscape work and be familiar with the variety and value of all Evergreens. Apply by mail to the

FERNWOOD NURSERY, Stamford, Conn.

New York Office: 50 W. 30th St.

Please mention the Exchange when writing.

STOCK FOR SALE

ASPARAGUS

ASPARAGUS PLUMOSA PLANTS

2¼-inch .....$3.00 per 100
4-inch ..... 6.00 per 100

S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia, Pa.

ASPARAGUS PLUMOSA NANUS SEED

$4.00 per 1000 seeds.
3.50 per 1000 seeds, in lots of 10,000.
Sprengeri, per 1000 seeds $1.00.

S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia, Pa.

CARNATIONS

CARNATIONS—Apple Blossom and Wanoka; strong rooted cuttings. Delivery, January 1. Wanoka Greenhouses, Barneveld, N. Y.

CARNATIONS.

10,000 strong White Perfection, rooted cuttings, $25.00 per 1000. The Florex Gardens, North Wales, Pa.

STOCK FOR SALE—Carnations, rooted, clean and strong, from boxes: Winsor, Beacon $24.00 per 1000. Rose Hill Nursery, New Rochelle, N. Y.

WINSOR CARNATIONS

Strong, Clean, Well-rooted Cuttings
$3.00 per 100
25.00 per 1000

We will exchange 1000 well-rooted Winsor, for 1000 well-rooted White Enchantress.

VALLEY VIEW GREENHOUSES,
Velie Bros., Props. Marlborough, N. Y.

CARNATION CUTTINGS.

Strong, clean and well rooted.

STANDARD VARIETIES

	Per 100	1000
Enchantress	$3.00	$25.00
Rose Pink Enchantress	3.00	25.00
Winsor	3.00	25.00
Winona	3.00	25.00
Afterglow	3.00	25.00
Lawson	3.00	25.00
Melody	3.00	25.00
White Perfection	3.00	25.00
White Enchantress	3.00	25.00
Queen Louise	2.00	20.00
Beacon	3.00	25.00
Victory	3.00	25.00
Variegated Lawson	3.00	25.00
M. A. Patten	2.50	20.00
Mrs. Hutchison	3.00	25.00
Roosevelt	2.50	20.00
Boston Market	2.50	20.00
Flora Hill	2.50	20.00
Dorothy	2.50	20.00
Elbon	2.50	20.00
Liberty	2.50	20.00
Climax	2.50	20.00
White Beauty	2.50	20.00
Yellow Beauty	2.50	20.00
NEW VARIETIES		
Alma Ward	15.00	120.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Dorothy Gordon	10.00	75.00
Apple Blossom	6.00	50.00
May Day	6.00	50.00
Georgia	6.00	50.00

S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia Pa.

CHRYSANTHEMUMS

STOCK FOR SALE — Chrysanthemums, rooted cuttings, Estelle, Desjouis, Poehlmann, Golden Glow, Monrovia, Pacific Supreme, Enguehard, Nonin, $1.00 per 100, $10.00 per 1000. Hardy Pinks, Pansies, Geraniums, Carnations, Boston Market, $1.00 per 100 list. Edward Wallis, Atco, N. J.

CHRYSANTHEMUMS—Strong rooted cuttings of Major Bonnaffon, Glory of Pacific, Polly Rose, Pacific Supreme, 75c. per 100; 2-in., $1.75 per 100. Now or later delivery. Also the best commercial sorts of Geraniums in mixture, 2½-in., $1.75 per 100. Would exchange for Carnation cuttings. What have you to offer? L. Mitchell, Jr., Florist, Pulaski, N. Y.

Use our columns when having extra stock to dispose of.

STOCK FOR SALE

GERANIUMS

GERANIUMS—Rooted cuttings, S. A. Nutt and Grant, $1.25 per 100; $10.00 per 1000. Cash with order. W. C. Myers & Sons, Scottdale, Pa.

STOCK FOR SALE—Geraniums S. A. Nutt and Double Lobelia, 2-in., $2.00 per 100, Rooted Cuttings, Double Lobelia, Salvia, Zurich, German Ivy Ageratums, Gurney and Cuphea, 75c. per 100. Cash with order. F. A. Ezold, Haddam, Conn.

PRIMROSES

FOR SALE—Primula obconica grandiflora, mixed colors, in bud and bloom, fine plants, 2-inch, 6c.; 2¾-inch, 2½c. Address, Floral Hill Gardens, Chatham, N. J.

STOCK FOR SALE—1400 Chinese Primroses, 4-in., large plants, full of buds and blooms, mixed colors, double and single, $7.50 per 100; 2000 Primula obconica, 4-in., large plants, mixed colors, full of blooms; fine stock for Easter, $5.00 per 100. Try them. Address, Alonzo J. Bryan, Washington, New Jersey.

ROSES

ROSE STOCK.

5000 White Killarney, 2½-in. pots now ready at $8.00 per hundred, $75.00 per 1000. Richmond, Brides, Maids, Chatenay, Golden Gate, Killarney and other standard kinds, $30.00 per 1000. Charles H. Totty, Madison, N. J.

STOCK FOR SALE—Roses: Dorothy Perkins, $6.00 per 100, $50.00 per 1000; Lady Gay, $7.00 per 100, $60.00 per 1000; Sweetheart, $9.00 per 100. Ligustrum Ibota, 2-4 in., $7.00 per 100, $60.00 per 1000; 2½-3 in., $5.50 per 100, $50.00 per 1000. The Horticultural Co., Worcester, Mass., and Castle Hayne, N. C.

MISCELLANEOUS

STOCK FOR SALE—Boston Ferns, strong, from bench $24.00 per 1000. Rose Hill Nursery, New Rochelle, N. Y.

STOCK FOR SALE—Tomato Plants, Comet and Mayflower. Fine 2½-in. pots, $2.00 per 100. J. H. A. Hutchison, Locust st., Greenhouses, Oxford, Pa.

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices. George Peters & Sons, Hempstead, N. Y.

AMPELOPSIS VEITCHII SEED, $1.00 per lb. Berberis Thunbergii seed, 75c. per lb. Rosa Rugosa seed, 75c. per lb. Address, F. N. Hadden, 145 Pond st., Providence, R. I.

STOCK FOR SALE—Dahlia Roots, undivided field-grown clump, White Swan, Pearl d'Or, Kreimhilde, Nymphia, Lyndhurst and Catherine Duer. Send for special price list. Wood & Healey, Hammonton, N. J.

CINERARIAS—In bloom, ready for immediate sales, or Valentine's day, 4½ and 5 in. pots, Columbian strain, fine, large flowers, clean and healthy plants, 20c. each with pots. Carefully packed. Cash with orders. Address, C. B. Wetherby, Fulton, N. Y.

BEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2¼-in. pots, $12.00 per 100, $110.00 per 1000. Bay and Box Trees, in all sizes, pyramid and standards. Write for list. Orchids, largest stock in the country. Ask for prices. Julius Roehrs Company, Rutherford, N. J.

FERNS AND ASPARAGUS

Boston, 3, 4 6 in. at 6c., 12c., and 35c.
Piersoni, 3, 4, 6 in. at 6c., 16c., and 40c.
Whitmani, 3, 4, 6 in. at 10c., 20c., and 50c.
Sprengeri, 2, 3, 4, 5 in., at 2c., 3c., 6c. and 12c.
Smilax, 3 in., 8c.

GEO. M. TODD, GREENSBORO, N. C.

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA

The true large flowering forcing variety, warranted true 2¼-inch pots at $3.00 per hundred, one year field grown strong 12 to 18 inches, $6.00 per hundred, $55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

AMOOR RIVER PRIVET—Great Bargain. This is fine, 2-year stock.

6-6 ft., $4.50 per 100, $40.00 per 1000.
4-5 ft. $4.00 per 100, $35.00 per 1000.
3-4 ft. $3.50 per 100, $30.00 per 1000.

Also 1-year stock.

2-3 ft. $2.50 per 100, $20.00 per 1000.
1-2 ft., $2.00 per 100, $15.00 per 1000.

GEO. M. TODD, GREENSBORO, N. C.

NURSERY STOCK—Elm, 2-4 feet, $3.50 per 100; 4-6 feet, $6.00; 6-8 feet, $15.00; 8-10 feet, $18.00. Ash, 6-8 feet, $12.00 per 100; 8-10 feet, $18.00 per 100. Maple (Soft), 3-4 feet, $2.50 per 100; 4-5 feet, $5.00 5-6 feet, $10.00; 8-10 feet, $18.00. Catalpa, 4-5 feet, $5.00 per 100; 6-8 feet, $10.00. White Birch, 8-10 feet, $28.00 per 100; 10-12 feet, $36.00. Wild Black Cherry, 8-10 feet, $26.00 per 100. Silver Leaf Poplar, 8-8 feet, $15.00 per 100; 8-10 feet, $25.00. Niobe Weeping Willow, 6-8 feet, $35.00; 8-10 feet, $40.00. German Iris, strong divisions, $3.00 per 100. Chrysanthemum Uliginosum, $3.00 per 100. Rudbeckia, Golden Glow, $3.00 per 100. Asparagus, two kinds, 1 yr., $3.00 per 100; 2 yr., $2.50 per 100. Peonies, mixed, 3-5 eye divisions, $5.00 per 100. Peonies, white, 3-5 eye divisions, $7.00 per 100. Peonies, pink, 3-5 eye divisions, $8.00 per 100. Packing extra. The Newburys, Mitchell, S. D.

STOCK FOR SALE

MISCELLANEOUS

A GREAT SACRIFICE

Large quantities of shrubs, trees and vines that much be sold to close out an estate.

Catalpa Speciosa, 1 to 1¼ and 1½ to 2 inches in diameter.

Dogwood, White Flowering, 4 to 5 ft., $15.00 per 100; 5 to 6 ft., $20.00 per 100; 6 to 8 ft., $35.00 per 100.

Maple, Norway, 1½ to 2 inches and 2 to 3 inches in diameter.

Plane Oriental, 1 yr. old, $3.00 per 100; 4 to 6 ft., $8.00 per 100.

Poplar, Lombardy, 6 to 8 ft., $10.00 per 100; 8 to 10 ft., $15.00 per 100; 10 to 12 ft., $30.00 per 100.

Willow, Laurel Leaf, 6 to 8 ft., $15.00 per 100; 8 to 10 ft., $20.00 per 100.

Willow, Weeping, 6 to 8 ft., $15.00 per 100.

Althea, to color, 1 yr., 12 to 18 inches, $3.00 per 100; 18 to 24 inches, $4.00 per 100; 2 to 3 ft., $5.00 per 100.

Ampelopsis Veitchii, No. 1, $6.00 per 100, $50.00 per 1000; X size, $9.00 per 100; XX size, $12.00 per 100.

Ampelopsis Quinquefolia, strong, $5.00 per 100.

Clethra Alnifolia, 2 to 3 ft., $6.00 per 100; 3 to 4 ft., $7.00 per 100.

Clematis Paniculata, 2 years, No. 1, $6.00 per 100; 3 years, X size, $7.50 per 100.

Deutzia Crenata, 5 to 6 ft., $6.00 per 100.

Forsythia Viridissima, 3 to 4 ft., $7.00 per 100; 4 to 5 ft., $8.00 per 100.

California Privet, 12 to 18 in., $10.00 per 1000; 18 to 24 inches, $15.00 per 1000; 2 to 3 ft., $20.00 per 1000; 3 to 4 ft., $3.50 per 100.

Ball Privet, 2 ft. high x 2½ ft. across, 50c. each; 2½ ft. high x 3 ft. across, 75c. each; small plants, 25c. each; all trimmed in perfect ball shape.

Standard privet, 4 to 6 ft., 25c. each; 5 to 6 ft., 50c. each.

Spiræa A. Waterer, 2 ft., $6.00 per 100.

Tamarix, Africana, 3 to 4 ft., $5.00 per 100; 4 to 5 ft., $6.00 per 100.

Weigelas, 1 yr., $4.00 per 100.

Wistaria, Purple, 1 yr., $5.00 per 100; 2 yrs. $8.00 per 100; White, 2 yrs., $15 per 100.

Yucca Filamentosa, extra heavy, $5.00 per 100.

American Arbor Vitæ, 2 to 3 ft., $15.00 per 100.

Norway Spruce, 2 to 3 ft., $20.00 per 100.

Euilalia Variegata and Zebrina, strong plants, $4.00 per 100.

Peonies in variety, $6.00 per 100.

Concord Grapes, 1 yr., $1.50 per 100.

Currants, Fay's Prolific, 2 yrs., $4.00 per 100.

THE McCOLGAN ESTATE, Red Bank, N. J.

SUNDRIES FOR SALE

FOR SALE—Three greenhouses at No. 416 Elm Street, Pittsfield, Mass. Glazed with 16x24 A double thick glass; heated with one large 8-section Furman boiler, 2-in. pipe. The drip bars and other material are all of Cypress—just like new. We will sell all or any part of same. Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

FOR SALE—600 boxes 12x20 and 12x16 double thick glass; lot hotbed sash, 15,000 feet of 1-in., 5000 feet of 2-in. and 1½-in., 4000 feet 4-in. Hitchings pipe; 1400 feet ventilating apparatus; 2 Erie locomotive boilers, one No. 6 Lord & Burnham and one No. 17 Hitchings, 2 years old; everything in first-class condition; 10 greenhouses, 20 x 110; complete or in single lots, very cheap. Inspect S. C. Nash Roseries, Clifton, N. J., or inquire Suessermann, 229 Livingston Street, Newark, N. J.

FOR SALE OR RENT

FOR SALE IN NEW JERSEY—Fine place for a florist; opposite 200 acre Catholic cemetery; 4 acres, fine house and barns. Terms to suit. Address, Geo. Lentz, Schuyler ave., North Arlington, N. J.

FOR SALE—I am forced to sell at once my retail florist store (Brooklyn) for $350. Sale includes good will, stock, furniture and heating. No opposition. Good reason for selling. Address, A. H., care The Florists' Exchange.

FOR SALE OR RENT—Seven greenhouses stocked with Roses, Brides and Maids, in A1 condition. Two 18x160; one 38x162; four 12x160. Rent reasonable or price right. Inquire of Mrs. J. M. Lyons, 50 Park ave., Madison, N. J.

FOR SALE—A good florist retail business, 5000 ft. of modern built glass with workroom and living rooms attached; good trade; best place in town; good reasons for selling. For price and further details, address, Jacob Van Akkeren, Dunkirk, N. Y.

FOR SALE—Greenhouse establishment with four semi-iron frame greenhouses, 16x24, glass, with good barn and out buildings. Eight room house with hot water heating; 3 acres of ground right near good town and also handy to the New York market. This whole place has been built the last 3 years and is in first-class condition; well stocked and beautiful grounds. Price $12,000, half cash. Address, A. G., care The Florists' Exchange.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Prices Advertised in these Columns are for THE TRADE ONLY

FOR SALE OR RENT

For Sale
WESTERN NURSERY

Forty acres of deeded and 40 acres of leased land. Stock all salable size; clean and healthy; not a scale or bug. Trade has almost doubled each year. We ship 5 to 12 hundred miles west and north of us. Trade to be supplied unlimited. We have a complete general line of nursery stock. We do a strict catalog business. Are well advertised and have a good name.

Will sell for cash, or part cash and time on balance to a man that knows the business and is a pusher. This is a good sound investment and will pay a good dividend.

Address

NURSERYMAN,

Care of THE FLORISTS' EXCHANGE

Please mention the Exchange when writing.

MISCELLANEOUS WANTS

WANTED—Conrad (Bismark) Lingenfelt to write H. Krueger, Meadville, Pa. Important.

WANTED—10,000 unrooted cuttings, pure White Enchantress. State price. Address, The Florex Gardens, North Wales, Pa.

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED—To lease or buy retail place about 12,000 feet of glass in good condition with dwelling. New England States preferred. Address, A. A., care The Florists' Exchange.

WANTED—To buy greenhouse property from 10 to 15,000 ft. of glass about 10 to 20 acres of land within 20 miles of Boston. If stocked state with what. 29a Locust st., West Everett, Mass.

WANTED—To rent about 4 to 5 acres of good land and two greenhouses about 25 miles from New York. State price and all information in first letter. Address C. Brander, 546 West 51st st., New York City.

WANTED—Contracts to grow all kinds of vegetable plants, transplanted or not; also Geraniums, Coleus, Cannas, Salvias, Verbenas, Pansies, etc., for Spring delivery, A1 stock only. Correspondence solicited. Address Alonzo J. Bryan, Wholesale Florist, Washington, New Jersey.

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Surplus Peas and Beans

18 Bush. Peas, Telephone; Crop 1908.
4 Bush. Beans, Golden Wax; Crop 1908.
2 Bush. Beans, Werdwell's Kidney Wax; Crop 1908.
4 Bush. Beans, Refugee, or 1000 to 1; Crop 1908.
2 Bush. Beans, Werdwell's Kidney Wax; Crop 1909.
6 Bush. Beans, Detroit Wax; Crop 1909.
2 Bush. Beans, Ex. Ey. Rd. Pod Red Valentine; Crop 1909.
2 Bush. Beans, Refugee, or 1000 to 1; Crop 1909.
2 Bush. Beans, Burpee's Bush Limes; Crop 1909.

A. V. D. SNYDER, Seedsman, RIDGEWOOD, N. J.

Please mention the Exchange when writing.

FRESH TESTED
VEGETABLE AND FLOWER SEEDS
for Store Trade

In lithographed packets, with directions for cultivation on the reverse side of the packet.

Send for list of varieties and prices.

GOELLER BROS., Seedsmen,
159 HAMILTON AVE., TRENTON, N. J.

Notes

ASHLAND, KY.—Wm. H. Carp reports business latterly as being very satisfactory with him.

GRAND VIEW, WIS.—W. L. Scott, florist, has suffered a third stroke of paralysis and is in a very critical condition.

MARYSVILLE, CAL.—J. W. Evans Jr has leased the Karr property on F st. for nursery and greenhouse purposes, and will shortly erect a large greenhouse.

WASHINGTON, PA.—Cassius A. Dunn purchased, Feb. 2, at receiver's sale the florist establishment of Joseph H. Seaman & Co., and will in future conduct the business.

COLUMBIA CITY, IND.—D. C. Noble has re-purchased the greenhouses sold by him last August to Lancaster & Simpson of East Liverpool, O. Mr. Lancaster, who conducted the business found the florist trade did not agree with him.

KNOXVILLE, TENN.—J. J. Reaser of Nashville has been appointed superintendent of the agricultural and horticultural departments of the forthcoming Appalachian Exposition. He will make a tour of the entire Appalachian region to secure exhibits.

CHAMPAIGN, ILL.—F. C. Grannis, a senior this year in the College of Agriculture, has built a greenhouse, and demonstrated that it can be operated well within the financial resources of an average township high school. Mr. Grannis has had considerable practical experience and is well qualified to do such work as this.

Fires

CANTON, O.—Fire was discovered about 6:30 p.m. the 26th of January in the Lamborn Flower Store, which worked considerable havoc among the tenants of that building. The block is owned by LeRoy L. Lamborn, who was in Pittsburgh at the time of the fire.

FOR SALE

RADIATORS Steam, 1½c. per lb.; hot water, 2c. per lb. Guaranteed. All sizes in stock.

BOILERS The following new, round, portable hot-water boilers—guaranteed, 16-in., rated to heat 1,125 sq. ft. of glass, $34.00. 19-in., rated to heat 1,600 sq. ft. of glass, $46.00. 22-in., rated to heat 2,250 sq. ft. of glass, $64.00. 26-in., rated to heat 3,075 sq. ft. of glass, $90.00. Get our prices on second-hand boilers. We have one of the largest stocks of new and second-hand round and sectional hot-water and steam boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large Stock—All Makes and Sizes—Send for special prices.

STILLSON WRENCHES New, guar. 18 in., capacity 2 in., $1.20. 24 in., capacity 2½-in., $1.80. Flat chain wrenches, No. 3, capacity ¾ to 6 in., $3.86.

GARDEN HOSE In lengths up to 600 ft., with couplings, 60 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 160 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 88c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.36.

PANSY AND FLOWER BOXES, All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box. 8x10, 10x12 and 10x15 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Rhododendron Maximum
Mountain Shrubbery
Kalmia Latifolia

Packed Right

Packed Tight

LOG MOSS in Large Sheets

$1.60 PER BAG

Laurel Wreathing
Green Sheet Moss
Hardy Cut Ferns

Alleghany Mountain Evergreen Company

FARMINGTON, PA.

MALINES

Without any fancy names but goods of value

We are selling now one at

8½c. Per Yard, 30 Yard Pieces

in 30 different shades.

Malines come to us direct from European makers. BUYING OUR MALINES, YOU SAVE ALL BETWEEN COSTS, SAME AS ON OUR RIBBONS and CHIFFONS.

Samples of our entire line free

The Pine Tree Silk Mills Co.

806-808-810 ARCH STREET

Philadelphia, Pa.

Please mention the Exchange when writing.

FANCY OR DAGGER FERNS, $1.00 per 1000.

GALAX, bronze or green, $1.00 per 1000. **SPHAGNUM MOSS,** 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6 00. **PINE,** 7c. per lb.

Telegraph office; New Salem, Mass. L. D. Phone Connection

Partridge Berries, $2.00 per 1000 or 10c. per bunch of 50 sprays.—Order now. Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $12.00 to $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

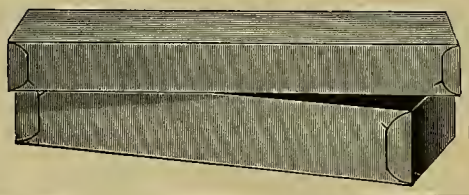
Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

Please mention the Exchange when writing

CUT FLOWER AND DESIGN BOXES



All Sizes, Lowest Price

WRITE

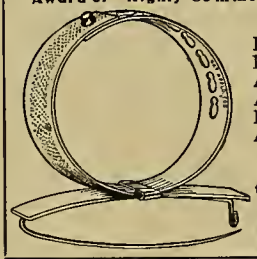
C. C. Pollworth Co.

MILWAUKEE

Please mention the Exchange when writing.

WILSON'S CORSAGE-BOUQUET HOLDER

Award of "Highly Commended" at the S. A. F. Trade Exhibition at Cincinnati.



Holds Corsage-Bouquets securely and gracefully.
Prevents damage to apparel.
Adjustable to any diameter of bouquet stem.
Adaptable to anything from Violets to Roses.
Does away with Corsage Pins.
A handsomely silver plated article and ornamental in itself.

Samples to the trade, **25c. each,** by mail postage paid. **By the dozen $3.00,** postage paid. Correspondence Solicited.

Address

ROBERT G. WILSON, Fulton St. & Greene Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . **FLORISTS' SUPPLIES** Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

The book of WATER GARDENING By Peter Bisset Price, postpaid, $2.50

A. T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

WE MANUFACTURE

ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing **Art Wood Novelties** exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK

'Phone 4254 Madison Square

Please mention the Exchange when writing.

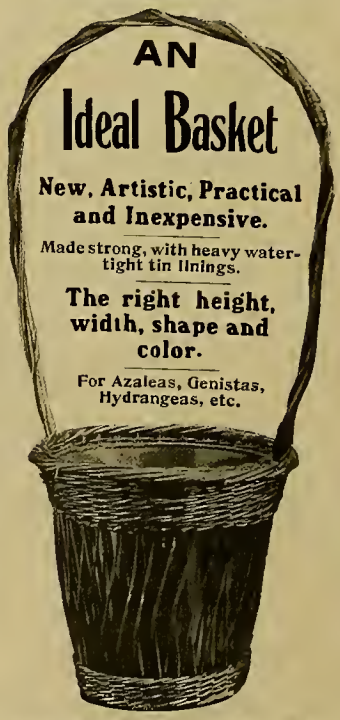
We Are Not Worrying Yet

At this time of year flowers from the sunny Riviera penetrate almost throughout Europe, says "The Field." Violets, Anemones, Ranunculus, and Mimosa are all abundant in our principal cities, and as a special train brings up flowers in splendidly fresh condition it is easy to understand that the production of forced blooms does not offer very good prospects in northern France. The Riviera growers are well organized and very enterprising. They lately held a conference which decided to experiment with cold storage railway wagons in the hope of delivering their flowers perfectly fresh in the most distant markets. It is claimed that it would be possible to maintain them in good condition for twenty-five days, and this has caused those American growers who obtain phenomenal prices for their Winter flowers to consider whether even across the Atlantic foreign competition in the future is to be feared. Violets are now being retailed at a halfpenny a bunch of fifty in Marseilles, while in New York or Boston a similar bunch realizes from half a dollar to a dollar. Were cut flowers imported into the United States markets the home growers would be forced to seek shelter behind a still higher tariff than they have now.

Frederick Leary

3859 Lancaster Ave.

PHILADELPHIA, PA.



New, Artistic, Practical and Inexpensive.

Made strong, with heavy water-tight tin linings.

The right height, width, shape and color.

For Azaleas, Genistas, Hydrangeas, etc.

These baskets are triple coated.

The Colors A beautiful foliage green, rich clear genista yellow, soft blush azalea pink.

The Sizes Made to fit loosely all makes of seven, eight and nine inch pots.

The Price $1.10 each; $6.50 per half dozen; $13.00 per dozen.

In ordering please state colors and number of each size wanted. Orders filled as received. Cash is respectfully asked for with order.

Please mention the Exchange when writing.

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.26	28x8x4	$4.80
18x6x3	2.26	30x5x3½	3.76
24x6x3½	3.00	36x6x6	6.80
21x7x3½	3.26		

Printed free in lots of 300 or more; 60c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.60
18x18x8	9.00	36x10x6	10.00
20x20x8	10.00	30x12x7	8.60
24x24x8	12.00	28x12x4	6.80
24x18x8, Pillow Box			12.00
20x16x8, Pillow Box			10.00

10% discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.

Box 205 CASTORLAND, N. Y.

New York Office, 20 East 42nd Street

Please mention the Exchange when writing.

MICHIGAN CUTFLOWER EXCHANGE, Inc.

Wholesale Commission Florists

Dealers in Fancy Ferns

38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

Southern Wild Smilax

Now ready for shipment.

Write, wire, or 'phone the introducers.

CALDWELL THE WOODSMAN DECORATING CO.

EVERGREEN, ALABAMA

Please mention the Exchange when writing.

KRICK'S Florist Novelties

Manufacturer and Patentee of The only genuine IMMORTELLE LETTER on the market

1164-66 Greene Ave., BROOKLYN, N. Y.

For sale by all supply houses.

Please mention the Exchange when writing

Please mention the Exchange when writing.

BRONZE GALAX

I have a large stock on hand, all first-class stuff, and in order to move them quickly, I will make a great reduction in price. Size 2¾ to 3½ in., at $2.90 per case of 10,000, f.o.b. Mt. Airy, N. C. Discount on larger orders. Cash in advance from unknown parties. A few cases by express will show the quality.

G. A. HOLDER, Round Peak, N. C.

Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order "saw your advt. in the EXCHANGE."

Prices Advertised in these Columns are for THE TRADE ONLY

Interior of Store of Kurth & Burke, 518 Broadway, Albany, N. Y.

MELROSE, MASS.—F. O. Taylor has opened a new florist store on W. Emerson st.

MOLINE, ILL.—Peterson & Eckstam Bros. have opened a retail florist store at 1229 Fifth ave.

RIDGEFIELD, CONN.—Wm. Pinchbeck will shortly open a retail store in connection with his greenhouse.

OCEAN HEIGHT, N. J.—Mrs. M. S. Fleming, who has greenhouses here, has opened a retail store, to be conducted under the title The Ocean Height Flower Shop, at 1315 Pacific ave.

LOCKLAND, O.—The Bloomhurst Floral Co. has been incorporated with a capital of $30,000. John Mueller, J. G. Heber, F. M. Backmier, Jr., Wm. Sunderbruch and C. N. Skillman are incorporators.

Coming Exhibitions

Urbana-Champaign, Ill., Feb. 15-16, 1910.—Exhibition of the State Florists' Association of Illinois. Secretary, J. F. Ammann, Edwardsville, Ill.

Boston, Mass., Feb. 26, 27, 28.—Spring exhibition of the Massachusetts Horticultural Society of Plants, Flowers, Fruits and Vegetables Schedules may be obtained from Wm. P. Rich., Secretary, 300 Mass. ave.

New York, March 16-18, 1910.—Exhibition of The American Rose Society, at the American Museum of Natural History, 77th st. and Central Park West. Secretary, Benjamin Hammond, Fishkill-on-Hudson, N. Y.

Boston, Mass., May 26-30, 1910.—Great Exhibition of Orchids and other plants, by the Massachusetts Horticultural Society. Secretary, William P. Rich.

Henry M. Robinson & Co., Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

Dagger and Fancy Ferns, $1.50 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.

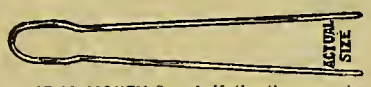
Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY

962 Mill Street, KENDALLVILLE, IND.

Please mention the Exchange when writing.



TIME IS MONEY Save half the time greening your designs by using Florists' Greening Pins. 20c. per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c. per lb. Write for prices on larger quantities.

WM. J. SCHLATTER & SON, 422 Main Street SPRINGFIELD, MASS

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

Please mention the Exchange when writing.

"Getsthere Soap Mfg. Co.

Conshohocken, Penna.

Please send us at once the enclosed order of your Getsthere Insecticide Soap. We find this a very satisfactory article for use on plants, and we recommend it highly.

ROBERT CRAIG & CO.,
Philadelphia, Pa.

GETSTHERE SOAP CO.

CONSHOHOCKEN, PA.

Please mention the Exchange when writing.

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire

IGOE BROTHERS

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes

63-71 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

THE EXCHANGE—Best Advertising Medium

THE third edition of our Design Book is now ready to be mailed out to purchasers. It has been thoroughly revised and greatly improved and is easily worth Ten Dollars a copy to any one with a Retail Trade. Sixteen pages have been added, older designs eliminated and many new and beautiful suggestions incorporated.

The Florists' Exchange Design Book

HANDSOMELY PRINTED ON ENAMELED STOCK, AND CONTAINING 80 PAGES,

SIZE 9 x 12 INCHES, WITH STRONG PAPER COVER.

The work contains a reproduction of some 216 Designs, such as:
Bridal Bouquets, Broken Columns, Christmas Wreaths and Baskets, Easter Baskets and other Easter Designs, Casket Covers, Gates Ajar, Floral Chairs, Harps, Horseshoes, Lyres, Pillows, Easels, Panels, Anchors, Wreaths in great assortment, Standing Wreaths, Standing Crosses.

Miscellaneous Designs in quantity, including Decorated Automobiles, Railway Designs, Flags, Ships and Steamers, Shields, Broken Wheels, &c., Emblems, Table, Mantel and Mirror Decorations and Christmas and Church Decorations.

Page 80 shows forms for Masonic, Fraternal and other Orders, for which wire designs are kept in stock by the supply houses.

TERMS OF SALE

The Florists' Exchange for two years and one copy Design Book, $2.50, delivery prepaid. This offer is open to new subscribers or to renewal subscriptions. One copy of the Design Book to present subscribers for 75c., delivery prepaid. No copies obtainable except as above. Money refunded if book is not satisfactory to purchaser.

Only one copy can be supplied at the 75c. rate. Subscribers desiring more than the one copy can secure them at the rate of $1.00 each, postage prepaid.

Handsomely and durably bound, in stiff board covers, with 32 blank leaves for pasting in clippings of other designs, at One Dollar additional to above prices.

All prices include delivery prepaid.

The Florists' Exchange, P. O. Box 1697, New York City

Japanese Maples

Splendid stock to force into growth for Easter sales.

These handsome **Japanese Maples,** with their rich colored foliage, make excellent pot-plants and meet with ready sales at Easter.

We have an exceptionally fine lot of 6-inch, pot grown plants in the following varieties:

Polymorphum Atropurpureum. Splendid purplish red foliage, deeply cut; 18 to 24 inches high.

Polymorphum Atropurpureum Dissectum. Reddish purple, very deeply cut and divided foliage; 18 to 24 inches high.

Japonicum Aureum. Heavy bright golden yellow foliage; 15 to 18 inches high.

$1.00 each; $10.00 per dozen; $75.00 per 100.

HENRY A. DREER
714 Chestnut St. PHILADELPHIA, PA.
The above prices are intended for the trade only.

Please mention the Exchange when writing.

PLANTS AND ROOTED CUTTINGS

Fine, Clean, Strong, Well-Rooted Stock

Rose Cuttings

	100	1000
Richmond	$2.00	$17.50
Chatenay	2.00	17.50
Bridesmaid	2.00	17.50
Bride	2.00	17.50
Uncle John	2.00	17.50
Ivory	2.00	17.50
Killarney	2.50	20.00
Perle	2.50	20.00
Sunrise	2.50	20.00

Roses from 2½-inch Pots

	100	1000
Pink Killarney	$4.50	$40.00
My Maryland	6.00	50.00
Richmond	3.00	25.00
Chatenay	3.00	25.00
Bride	3.00	25.00
Bridesmaid	3.00	25.00
Uncle John	4.00	35.00
Ivory	4.00	35.00
Perle	4.00	35.00
Sunrise	4.00	35.00

Carnation Cuttings

	100	1000
O. P. Bassett	$6.00	$50.00
Victory	2.50	20.00
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All of our plants are in perfect condition, full of buds, just right for Easter.

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In smaller sizes, we have **Mme. Van der Cruyssen, Deutsche Perle** (double white); **Vervaeanna** (double variegated); **Niobe, Empress of India, Apollo, Simon Mardner** (double pink), 50c., 75c., $1.00, $1.25.

LILIUM Multiflorum. Have three houses full, raised from 9-10 bulbs; were never as nice as this year. 6-in. pots, showing buds now, 10c. per bud.

CINERARIA Hybrida. 6-in. pots, 25c., 35c. to 50c.; 5-in., 20c.; 4-in., 10c.

SPIRAEA Gladstone. Of our own importation, 6-in., in bud, 50c., 75c. to $1.00.

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ARECA Intescens, 5-in., 35c.

LATANIA Borbonica, 4-in., 20c.

NEPHROLEPIS Whitmani N. Todeoides, 5-5½-6 in. pots, 35c., 40c. and 50c. each; 7-in., as big as a washtub, 75c. to $1.00 each. Two houses full. All pot grown.

KENTIA Forsteriana, 7-in. pots, single, 40-45-50 in. high, $2.00, $2.50 to $3.00; 6-in. pots, single, 25-30-35 in. high, $1.00, $1.25, $1.50 to $1.75.

KENTIA Belmoreana, 4-in., 25c.

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Georgia, new white, $4.00 per 100.

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October Frost, Golden Glow, Rosiere, Monrovia, Bailey, Appleton, and many others; $2.00 per 100. Pot plants, 2½ inch, $3.00 per 100.

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I. M. RAYNER, Greenport, N.Y.

Please mention the Exchange when writing.

Advices received from many sources would seem to indicate that, owing to the drought of last Summer and early Autumn, good Carnation cuttings are in shorter supply than they have been for a number of seasons.

LEXINGTON, KY.—The Ionia Pottery Co., a Michigan corporation, filed suit in Circuit Court Saturday against S. S. Kelly of this city for $135, which plaintiff says is due for goods, wares and merchandise sold and delivered to plaintiff during the year 1909.

Orange, N. J.

A blaze, which for a time threatened to destroy the entire greenhouse plant of Frederic C. Read, 18 Chapel st., Orange, occurred late in the afternoon of Jan. 30, causing damage estimated at about $1000 before the firemen got the flames under control. Mr. Read was away at the time and the origin of the fire is not known. It is believed, however, that some inflammable material near the furnace, caught fire, as the blaze evidently started in the room where the heating plant is located. Many plants were destroyed, and all loss will have to be borne by Mr. Read, as there was no insurance.

Rochester, N. Y.

The condition of trade here leaves very little to be said as things are not changed much from those of last week. Business lacks snap to it, and no great demand for any kind of stock is in evidence. With the Lenten season upon us it is very doubtful if matters will improve for a few weeks. The extremely cold weather experienced last week put a damper on Saturday's business. Bulbous stock which sold so well at the beginning of the season is now a glut on the market, and almost impossible to move at a figure that will pay the grower; in fact, from the experience of the past few years it would seem that the man who lets it alone is much better off, that is if he disposes of his output in a wholesale way.

Carnations are still plentiful and the stock of fair quality. However, from continued dark weather many varieties are throwing weak stems, which are undesirable for use as cut flowers and vase work.

Violets are selling much better and will no doubt be in demand from now on till Easter. Through the absence of funeral work Lily of the Valley and Lilies do not sell. Some exceptionally fine Sweet Peas are coming in, which sell readily at $1 per 100. Roses are not over plentiful in the better grades, and run in price from 6c. to 20c.

On Thursday evening the Bowling Club made its first appearance on the alleys. About twenty members assembled, and while no high scores were made all united in saying they had amost enjoyable evening. Chairman A. F. Vick of the bowling committee, and H. B. Weller, were untiring in their efforts to get everybody interested, and it may be said their efforts were not in vain. Messrs. Darling, Wilson, Schlegel, Tickner, Chas. H. Vick, A. F. Vick, Hart, Weller and Dukelon all demonstrated they were not novices at the game like many of us, and will from the present outlook do some bowling. The regular monthly meeting of the Association takes place Monday, Feb. 14. Three trustees will be elected at this meeting and a good attendance is desired. A banquet is in the air and is being looked forward to by many of the members. Ladies will be invited to the banquet this year.

H. B. STRINGER.

Horticultural Soc. of Newport, R. I.

There was a good attendance of the members of this Society present at the meeting on Tuesday evening to hear the reading of the papers on Exhibitions and to take part in the discussions which followed which were all of a lively, good natured order. Among other things it was brought out that what the Society stands most in need of at the present time is a hall large enough in which to hold its exhibitions. The school gardens and the plan of encouraging the children to take part in the competition at the Society's exhibitions, was discussed favorably; what appears to be most needed is a capable instructor to take charge of this work, if the children are to be taught according to the best methods.

Among those who took part in the discussions were Andrew K. McMahon, Dudley E. Campbell, William Polk of the R. I. Agri. College, Col. Herbert Bliss, Daniel J. Coughlin, James J. Sullivan, Bruce Butterton, John P. Hammond and Richard Gardner.

Refreshments, an aftermath from the anniversary dinner, were served and helped to round out one of the best meetings that the Society has ever held.

A large delegation of the craft are planning to attend the R. I. Hort. Society's annual dinner in Providence, Wednesday evening, Feb. 16.

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Yonkers (N. Y.) Hort. Society

A very interesting event in Yonkers on January 28, was the inauguration of a horticultural society under the above title. It has long been felt that the time was ripe for such a society to be formed and it only needed someone to make the initial start. That the efforts of the promoters were a decided success was shown by the fact that nearly sixty members were enrolled. The first meeting was a very enthusiastic one. The following officers were elected: President, E. Bennett, superintendent for W. B. Thompson; vice-president, R. Cochrane, head gardener on the Ewing Estate; secretary, W. H. Waite, of Greystone; cor. sec., Lee Whitman; treasurer, Peter Macdonald, florist. The executive committee is composed of H. Scott, J. Goff, T. Mahoney, R. Cummings, L. Taylor and A. Macdonald.

That the Society will be a success there can be no doubt with such men as President E. Bennett and Secretary W. H. Waite at the head, both having had large experience in such societies, and all the other officers and the members of the executive committee being good live men and hustlers.

LEE WHITMAN, Cor. Sec.

Massachusetts Horticultural Society

The lecture on Saturday, Feb. 5, entitled "How New Races of Plants Arise through Hybridization," by Ezra Brainerd of Middlebury, Vt., proved to be especially interesting. It was a hard subject to handle but with stereopticon pictures and lucid explanations Mr. Brainerd kept his audience intensely engrossed throughout. The lecture was of special value to those who are trying to raise new varieties and new races of plants through hybridization. Those who are interested in those lines and who did not attend the lecture missed a great treat. The lecturer pointed out the time and energy that has been spent and wasted by many hybridizers in not understanding the laws of heredity.

The lecture as a whole was an explanation of the laws of Mendelism. The question of breeding plants and animals so as to improve the type, and permanently fix desirable characteristics has always been a matter of great concern both to horticulturists and agriculturists. Practically nothing was known as to the principles which underlie and determine the results of hybridization until an Austrian monk, Gregor Mendel, worked out his ideas some fifty years ago. Mendel gave most of his attention to the hybridization of varieties of Peas, and it was from his observations as to the manner in which certain definite characteristics were transmitted to succeeding generations that he was able to announce a theory of heredity which has been applied with encouraging success to the making of improved varieties of plants.

Mr. Brainerd has been carrying on his experiments mostly with Violets and the results he has obtained are perfectly wonderful.

In the Orchid Review for January there is an able article on "A Practical Aspect of Mendelism," and we see therein that others were at work on Peas long before Mendel. As far back as 1822 a paper was read before the Horticultural Society of London by a Mr. John Goss, entitled "On the Variation of the Color of Peas Occasioned by Cross-Impregnation." This article in the Orchid Review is well worthy of perusal by those seeking light on this subject.

It was announced that the lecture by Dr. Hermann Von Shrenk of St. Louis, on "Some Practical Results of Investigation of Diseases of Trees on Structural Timber," would not be given as Dr. Von Shrenk could not be present. So there will be no lecture Feb. 12.

Six well grown plants of Cineraria were exhibited by William Whitman, Esq., Brookline (Martin Sullivan, gdr.), at Hort. Hall on Feb. 5. R. C.

Pittsburgh (Pa.) Florists' Club

The February meeting of the Florists' Club was a most interesting one and the attendance was very large. It was to be Carnation night, with an exhibition of cut blooms, but the blooms were not forthcoming; likely everybody had their fill of Carnations the week previous. The plant display was very creditable and made by private gardeners. Two new members were proposed and two elected to membership. The auditing committee was too busy the past week to go over the secretary's books and will report at the next meeting. A vote of thanks was tendered to the H. J. Heinz Co. for their entertainment of the visitors and home people at the convention, also to all members of committee for their splendid work in making the convention a success, and to Wm. Falconer who pleased everybody as toastmaster at the banquet. Mr. Becker of Dumont showed Primula Kewensis and other sorts, also a plant new to many, Saintpaulia ionantha grandiflora atroviolacea, a rather long name, but a beautiful blue flower, violet shaped. He also showed a new Cineraria, Mateador, of good color but a poor grower. D. Frazer and J. Wiseman showed Primula Kewensis and other sorts. Frank Crook exhibited fine plants of Cypripedium Lecanum. Julius Roehrs Co. through its representative, Mr. Muller, showed a few cut blooms of Cypripedium.

The president appointed Harry Bunyard and J. Jones as judges of the display and the awards follow: Primula sinensis, cultural certificate. Primula Kewensis, cultural comment. Cyclamen, first prize to D. Frazer, second to F. Crook. Cypripedium, cultural certificate, and the same to Saintpaulia. Cineraria Mateador, honorable mention. Mr. Becker took second prize on cut bloom Carnations. Julius Roehrs' Cypripedium was highly commended. Fred Burki gave quite a talk on Carnations [This will be found in another column, headed "Fred Burki on Carnations."] All the committees who had charge of matters at the meeting of the American Carnation Society reported favorably. The Finance Committee reported that a nice balance was left over, something that was not looked for as no expense was saved to make the affair a success.

The next meeting will be devoted to bulbous plants, and to the regular schedule of the private gardeners for competition was added 3 pots each of Hyacinths and Tulips in 7-in. pans.—E. C. R.

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F. E.—The Best Advertising Medium

Milwaukee

Carnations for McKinley Day

There was quite an increased demand for Carnations for McKinley Day over last year. This is perhaps due to the publicity given now this day by the newspapers throughout the country. Our local papers made mention of this fully ten days in advance of the date and, on McKinley's birthday, two of our daily papers had McKinley's picture and also illustrated a Carnation in two color work, red and green, which naturally created a heavy demand for red, as the public generally supposed red was McKinley's favorite flower. As this is a patriotic movement most of our retailers sold Carnations at 5c., and the wholesale price did not exceed $3 per 100, although a little more could have been realized had they felt inclined to push up the price, for some of the best colored stock was sold out early in the day. It would not do to advance the price for Carnations on McKinley Day, as it would but create criticism among the public if they were obliged to pay more than 5c. for a flower.

Business Unusually Brisk

Business the past week has been unusually brisk, owing to an abnormal amount of funeral work which created a heavy demand for flowers in light colors of all descriptions. Roses were very scarce for quite a while, but are coming in more plentifully and, therefore, these as well as Carnations were equal to the demand. The shipping trade likewise was very good, making it one of the best weeks of the year so far. There also was quite a quantity of Lilies coming in as well as Tulips, Daffodils, Valley, Freesias, Violets, Sweet Peas and Romans, which all found a ready market. Stevia has been coming in quite heavy all through January and the last cut of this season reached the market Saturday. The late crop brought considerably better returns than the earlier cut. There was plenty of green goods to meet all requirements.

Milwaukee Florists' Club

The Florists' Club had quite a largely attended meeting, Thursday, Feb. 3, and as it was voted at the January meeting to suspend the initiation fees so as to get in more new members, the idea being to get in a number of the greenhouse employees, quite a few new men were initiated that evening. The Club also has in circulation the guarantee fund subscription list for the next Fall show which is being freely signed by all the members, and there is now every assurance of our having an exhibition on a very large scale at that time.

Members of the Florists' Club felt quite disappointed in not getting the A. C. S. meeting for next season. The Club had felt very confident the meeting would come to Milwaukee.

Alex Klokner, vice-president of the Club, who recently made a trip to the Pacific Coast, writes he is now sojourning in Mexico and wearing a straw hat and a summer suit, quite a contrast to his home surroundings at Wauwatosa, where the snow at the present time is several feet high. C. C. POLLWORTH.

St. Louis

The Diemer Floral Co. of South St. Louis last week suffered the loss of the head of the firm, Mr. E. K. Diemer, who died after a long illness. The funeral took place on Friday, Feb. 4, from 1805 South Broadway. Mr. Diemer was 39 years old and leaves a wife and young son who will continue the business.

William Trelease of Shaw's Garden delivered a lecture on "How to make the City more Beautiful," before the Southside Self Culture Club, at its meeting last week.

Mr. George Walbart reports that he bought the leasehold and greenhouses of the late Michel Plant & Bulb Co. for $6500 cash, last week; the sale took place at the Court House. The lease has 10 years to run. Mr. Walbart says he will stock up the place and run it in conjunction with his store on Grand ave. With this sale passes away the name of one of the oldest floral establishments in the city.

Miss Matilda Meinhardt, who was on a visit to Mrs. W. J. Vesey at Fort Wayne, visited Chicago before returning home Feb. 10. The Ladies' Home Circle will hold their meeting on Monday, Feb. 14, in the Washington Hotel, at 2

Begonia Rex

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DRACAENA Indivisa, 4-in., $10.00 per 100.
PRIMULA Obconica, 2-in., $1.75 per 100.
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FERNS

Scottii, 2½-in., 5c.; 3-in., 10c.; 4-in., 15c.; 5-in., 20c.; 6-in., 35c.
Boston, 2-in., 4c.; 3-in., 5c.; 4-in., 15c.; 5-in., 20c.
Piersoni, 4-in., 15c.; 5-in., 20c.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

ROOTED CUTTINGS

PETUNIAS, Dreer's Superb, double fringed; the best selected large-flowering doubles, finely fringed, mixed colors, $1.00 per 100, $9.00 per 1000.
FUCHSIAS, finest double, dwarf habit, $1.00 per 100, $8.00 per 1000.
HELIOTROPE, dark, good stock, 75c. per 100, $6.00 per 1000.
PETUNIA, The Queen, fine double fringed, white mingled with purple, $1.00 per 100, $9.00 per 1000.
SALVIA, Bonfire, 80c. per 100, $7.00 per 1000.
AGERATUM Stella Gurney, 50c. per 100, $4.00 per 1000.

CASH WITH ORDER.

J. P. CANNATA, Mt. Freedom, N. J.

Please mention the Exchange when writing.

A Few Good Things You Want

BEGONIA Rex, 2-in., $5.00 per 100.
ASPARAGUS plumosus, 2-in. $2.00 per 100; 3-in., $5.00 per 100. Cut sprays, 25c. per bunch.
ASPARAGUS Sprengeri, 3-in., $5.00 per 100.
GERANIUMS, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in., $3.00 per 100.
FERNS. Whitmani, 4-in., 25c. each. Boston, 4-in., 15c. each; 5-in., 25c. each.
CYCAS PALMS, 4 to 5 leaves, $1.00, $1.50 and $2.00.
VINCA Var., 2-in., $2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

ORCHIDS

CATTLEYA Warneri, C. Harrieniae, C. Gaskelliana, C. Gigas, Hardyana type; DENDROBIUM Phalenopsis, Schroederi; ODONTOGLOSSUM Luteo-purpureum, Sceptrum.

LAGER & HURRELL, Summit, N. J.

Please mention the Exchange when writing.

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants; also importations coming, which we offer at advantageous prices.

ORDONEZ BROS., 41 W. 28th St. New York, also Madison, N. J.

Please mention the Exchange when writing.

ORCHIDS

We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawrenceana, Gaskelliana, Dowiana and Percivaliana. Write to-day.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

Please mention the Exchange when writing.

We Pay The Freight on cut-flower and design boxes. See our price list on page 268, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.
Box 200 - - - Castorland, N.Y.

Please mention the Exchange when writing.

VINCA VARIEGATA

Extra strong, thrifty stock, ready to shift, 3-in., $3.50 per 100, $30.00 per 1000; 3½-in., $4.50 per 100, $40.00 per 1000.
GERANIUMS, Mme. Salleroi, strong, thrifty, 2-in., ready to shift, $2.00 per 100, $18.00 per 1000. Large, 3-in., $30.00 per 1000.
Cash.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS

From 2¼-inch pots, $2.50 per 100, $22.50 per 1000.
Cash with order please

FLORAL HILL GARDENS
G. F. NEIPP, Prop.
CHATHAM, N. J.

Please mention the Exchange when writing.

ALTERNANTHERA, Red

Extra strong rooted cuttings, 50c. per 100, $4.00 per 1000

The H. Weber & Sons Co
Oakland, Md.

Please mention the Exchange when writing.

CINERARIA STELLATA

Strong plants in 2½-inch pots, ready to shift into 4-inch.

$3.00 per hundred

Primula Obconica all sold.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

AMPELOPSIS VEITCHII

Fine, well rooted, one year plants, 18 to 24 inches; 60, by mail, $2.00; 100, by express, $3.00; 1000, $26.00. Plants in cellar.
ASPARAGUS ROOTS for Spring, extra strong, 2 year plants, $1.00 per 100; $4.00 per 1000. 3 years, $1.25 per 100; $5.00 per 1000. They will please.

CHARLES BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

DOMOTO BROS.

Wholesale Florists

Store, 2729 Lick Place, SAN FRANCISCO — Greenhouses, MELROSE, CAL.

Headquarters for
Japanese Plants and Bulbs, Choice Roses Cornations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.

Please mention the Exchange when writing.

True Irish Shamrock

Nice thrifty stock, 2-in. Per 100 $3.00, per doz., by mail, 50c.

	Per 100
DOUBLE PETUNIAS, 2-in.	$2.00

ROOTED CUTTINGS

DOUBLE PETUNIAS, 25 vars., Dreer's strain	1.00
LANTANAS, Dwarf, 5 vars.	1.00
LANTANAS, trailing	1.26
HELIOTROPE, dark, for soil, R. C.	1.00
GAZANIA Splendens	1.50
STROBILANTHES Dyerana	1.25
CUPHEA	.75
AGERATUM, Gurney, Pauline, and White	.60

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

PALMS, FERNS
and
Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

Please mention the Exchange when writing.

F. E. — Alive and Up-to-Date

o'clock; Miss Meinhardt will send out notices to all the members and S. A. F. ladies.

Adolph Brix reports that he has sold his greenhouse plant on Mead ave. to his foreman, Mr. J. Michel; the sale took place last week; Mr. Brix will continue his retail store at 1518 St. Louis ave.

The Raterman Floral Co., doing business at 5415 Easton ave., sold their place recently to the Volkman Nurseries, who will continue the business.

Quite a few in the trade have been reported on the sick list last week. Among them were John Conuon of the Conuon Floral Co., John Barnard with Grimm & Gorley, and Carl Beyer. From last reports all are doing well.

Harry Young is now treasurer of the St. Louis Hort. Society and Fred H. Weber a member of the executive board; they succeeded Fred C. Weber, who resigned from both offices last week.

The Florists' Bowling Club has its weekly bowling every Monday night at the alley at Delmar and Sarah sts. Wm. C. Smith, the secretary, resigned his office in favor of Wm. Young, Jr., who was elected. Florists wishing to have a good time should call at the alleys any Monday night. ST. PATRICK.

Indianapolis

A large vase of Hoosier Lad, the gold medal winner at Pittsburgh, proved an attraction in Bertermann Bros.' window last week. This seedling of Dorner's, together with several others, were artistically arranged and carded as duplicates of the winners at the National exhibition.

The State Florists' Association of Indiana held its February meeting at the State house, Feb. 8. A large attendance was present, and there were a number of interesting topics up.

A. Wiegand & Sons have an attractive window this week, consisting of seasonable plants and Spring flowers.

Baur & Smith are sending in a heavy cut of Carnations.

Mr. Geo. L. Huscroft was a visitor for Hagemann & Co.

St. Valentine's Day promises to be a particularly busy one, and extensive preparations are being made to take care of a holiday which, each year, means more for the florist, it being a time when flowers are peculiarly appropriate.

John Bertermann spent a day with the Richmond florists recently.

E. B. Knickman and Aug. Rolker visited the trade in this vicinity; both of them report an unusual business.

Tomlinson Hall Market is again taking on a more cheerful aspect as more potted plants are being displayed; both wholesale and retail sales are quite up to the standard.

Wm. Schwatke spent Sunday with friends in this city.

Herman Junge is anxiously awaiting Spring. He has a new beehive which it takes thawed bees and warm weather to demonstrate. I. B.

Kalamazoo

With a return to bright cheerful weather transient business again starts up especially with florists in the suburban districts who report quite lively trade among pot plants of the moderate priced sorts.

With the storekeepers business has been most satisfactory right along as numerous social affairs have made brisk demands on them steadily. Funeral work has also been good; although no particularly large designs have been in evidence, plenty of medium price ones have been sold.

Shipping trade has been excellent for many weeks at prices near the Chicago quotations. This latter business is one of the chief means of support of the Kalamazoo florists, and thousands of dollars worth of flowers are shipped away monthly to all parts of the Middle West.

Pot plants of the Spring blooming types now have a ready sale among people of the moderate means class, and it is astonishing to note the great increase of this business from that of a few years ago. However, this line does not interfere with the cut flower sales which are as popular as ever at the old prices, viz.: Roses, Am. Beauty, $3 to $6 per doz.; Teas, 75c. to $1.50. Carnations, 50c., 60c. and 75c. Violets, 25c. to 50c. per bunch. Sweet Peas, 25c. per bunch. Bulb stock, 50c. to 60c. per doz. Callas and Harrisii Lilies, 15c. to 20c. each. These have been the average prices at this season for many years, but this year less bargain sales are announced, probably on account of shorter cuts and a good steady shipping trade. S. B.

Geraniums

Rooted Cuttings

S. A. NUTT, BUCHNER,	per 1000, $10.00
VIAUD, JAULIN,	per 1000, 12.00
POITEVINE,	per 1000, 14.00
RICARD,	per 1000, 14.00

Cash with order.

PETER BROWN, 124 RUBY STREET, LANCASTER, PA.

Please mention the Exchange when writing.

DON'T GET LEFT
Geraniums! Geraniums!

Nutt, Doyle, Buchner, La Favorite, Grant, Bruanti and others, also Rose Geraniums, $18.00 per 1000; 500 at 1000 rates.

Ageratum, Stella Gurney, Pauline and others, R. C., 60c.; 2¼-in. pots, $1.00 per 100. Heliotrope, all dark, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Feverfew, Little Gem, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Achyranthes Lindeni, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Pilea, Artillery Plant, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Ivy, German, 2¼-in. pots, $1.50 per 100.

Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

300 for $5.00

Ivy Geraniums, Rose and Mixed Geraniums, Asparagus Sprengeri, Cinerarias and Alyssum, out of 2½-in. pots, in sorts, $2.00 per 100; 300 for $5.00.

Pansies, Daisies and Forget-Me-Not; fine plants, $2.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

Geraniums and Pelargoniums

Ready March 1st

Victor, Pelargonium, 3-in. pots $4.00 per 100.
S. A. Nutt, Geranium, 2½ in. pots $2.00 per 100.

CASH WITH ORDER

WM. J. CHINNICK, TRENTON, N. J.

Please mention the Exchange when writing.

GERANIUMS

Low, stocky, from pots, sent nearly free of soil. S. A. Nutt, Buchner, Dble. Grant, $12.00 per 1000. Ricard, Perkins, Poiteviue, Bill, $16.00 per 1000. Extra strong, Nutt, $2.25, and Ricard, Poitevine, $2.50 per 100.

COLEUS Ver. and G. Bedder, $6.00 per 1000. Fancy, brightest only, $5.00 per 1000. Giant Leaved, most showy of all, 80c. per 100. Aster, Late Branching, fine mixed, 40c. per oz. Ostrich Plume, select mixed, 80c. per oz. Cash.

DANIEL K. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

PETUNIA DOUBLE

10 kinds, 2 in., 2c.

Smilax, 2-in., $1.25 per 100.
Abutilons, 3 kinds, 2-in., 2½c.

PRIMULA

Primula Obconica, 4-in. in bloom, 3c.
Cuphea, 2-in., 1½c.
Poinsettia, stock plants, 5c.
Geraniums, Nutt, Castellane, Buchner, Grant, etc., 2-in., $2.00 per 100.
Coleus, 10 kinds, Ageratum, 3 kinds; 2-in., $1.50 per 100.
Rooted Cuttings, prepaid per 100. Heliotrope, $1.00; Fuchsia, 3 kinds, $1.00; Paris Daisy, yellow, white, $1.00; Cuphea, 75c. Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, 3 kinds, 60c.; Ageratum, 3 kinds, 60; Swainsona alba, $1.00; Dbl. Petunias, 10 kinds, $1.00; Feverfew, Gem, $1.00.
Flowering Begonia, 3 kinds, $1.25; Salvia, 90c. Cash with order.

BYER BROS., Chambersburg, Pa.

Please mention the Exchange when writing.

Cineraria Plants

Large stocky plants, in 6-in. pots, in close bud, will make fine 8-in. plants for Easter, $25.00 per hundred.
Also fine stocky plants, in 4-in. pots, in close bud, will make fine 6-in. plants, $1.00 per doz., $3.00 per hundred.
GENISTA Fragrans. Stocky 6-in. pot plants, in bud, $4.00 per doz. Also fine 5-in. pot plants, $3.00 per doz.
ASPARAGUS Plumosus Nanus, 3-in. pot plants, very stocky, $5.00 per hundred.
ASPARAGUS Plumosus Nanus Seed. Greenhouse grown, $3.50 per 1000.
MARGUERITE DAISIES, LILIES, AZALEAS, DAFFODILS, ETC.

J. WILLIAM COLFLESH
53rd and Woodland Ave., PHILADELPHIA, PA.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings

Extra strong, S. A. Nutt, Jean Viaud, Jean Oberle, John Doyle, Miss F. Perkins, $12.00 per 1000; $1.50 per 100. Cash with order.

Rowehl & Granz, Hicksville (L. I.), N. Y.

Please mention the Exchange when writing.

GERANIUMS

All sold until March. Orders booked for March 7th delivery and later. Nutt at $10.00; Poitevine and Ricard at $12.50 per 1000.
ASPARAGUS Plumosus, $25.00 per 1000; Sprengeri, $16.00 per 1000. Ready now.

ALBERT M. HERR, LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS

Ricard, Nutt, Buchner, strong, cool grown plants, from 2-in. pots, $2.00 per 100, $20.00 per 1000.

Ricard from 2½-in., $2.50 per 100. Mixed $18.00 per 1000.

QUAKER HILL NURSERIES, Oxford Depot, N. Y

Please mention the Exchange when writing.

GERANIUMS

S. A. NUTT, from 2¼-in. pots, $2.00 per 100, $18.00 per 1000.

CINERARIAS

From 4-in. pots, $5.00 per 100; from 5 and 6-in. pots, $10.00 per 100.
Fine for Easter

JOHN STONE, R. F. D. No. 3, Easton, Pa.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings

GEN. GRANT $10.00 per 1000.
S. A. NUTT, $10.00 per 1000. Special price for 5000 lots
Cash with order

FRED W. RITCHY, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

S. A. NUTT, from 2¼-in., $2.00 per 100, $18.00 per 1000.
MME. SALLEROI, 2¼-in., $2.00 per 100, $18.00 per 1000.
PERKINS, from 2¼-in. $2.00 per 100.
ASPARAGUS Sprengeri, from 2¼-in., $2.00 per 100.
Cash with order.

C. A. PETERSON, Madison, N. J.

Please mention the Exchange when writing.

GERANIUMS

2-INCH POTS.

Nutt, Buchner, Mme. Salleroi and others, $18.00 per 1000; Rose, $3.00 per 100.

Rooted Cuttings of

Fuchsias, Salvias, Heliotrope (dark), Double White Feverfew, Double Giant Sweet Alyssum, Vinca Variegated, $1.00 per 100.

Ageratum Gurney, 60c. per 100.

Fuchsias, Vinca Var., 2-in. pots, $2.00 per 100. Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

GERANIUMS

	1000	100
S. A. Nutt and 8 other varieties 2½-in. pots	$20.00	$2.50
ALTERNANTHERAS, yellow, rooted cuttings		.50
VINCAS, Var. 2-in. pots		2.00
ASPARAGUS Sprengeri seedlings	7.00	1.00
PANSY PLANTS	2.50	

—Cash.—

Jos. H. Cunningham, Delaware, O.

Please mention the Exchange when writing.

A. L. YOUNG & CO., 54 West 28th Street Telephone, 3559 Mad. Sq. **and Manhattan Flower Market,** 46 West 28th Street, NEW YORK Telephone, 1016 Madison Square
WHOLESALE FLORISTS ☞ Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial
Please mention the Exchange when writing.

NEW YORK, February 9.—The condition of the cut flower market is very disappointing, as the outlook a week ago was such that the present slump was unlooked for. Shipments of all varieties of stock have been quite heavy, especially Carnations and bulbous stock. Receipts of Roses have been normal, but the small demand has prevented clearances somewhat, consequently plenty of all varieties are on hand. Bride and Bridesmaid in the No. 1 grades are very weak in stem and efforts to secure fair returns on them have been of no avail but by cutting off part of the stem they have stood a better chance of selling at the lower rate. American Beauty fail to realize more than 50c. each for top grade, and many of the shorter grades are of poor quality.

Carnations are so plentiful that efforts to secure $2 per 100 for the best flowers meet with no results and the ice boxes of many of the wholesalers are filled to overflowing. Sales of day old flowers have been made in job lots, at 75c. per 100. Many split flowers are to be seen, which are of no practical value when good flowers can be had at retailer's own prices.

Orchids of all kinds have slumped entirely there being no set price on any one variety. Cypripediums especially have become very cheap.

Lilies are plentiful, and at $8 to $10 per 100 buyers can secure any amount. Lily of the Valley is of exceptional quality, but has dropped to $2.50 per 100, for top grade. Violets hold their position a trifle better, but any day may bring about the same conditions on these. A few sales of specials have been made at 75c. but the bulk of stock moves at the 50c. rate. Clearances at 30c. per 100 to the fakirs are general. Sweet Peas, while gradually increasing in quality, do not advance in price, and the prospect for these is uncertain, as shipments are daily increasing. Prices range from 35c. to $1 per 100.

Bulbous stock, especially Tulips, is hard to dispose of, and the range of prices on all grades is such that the most exacting buyer can be supplied. Arrivals of Callas are increasing and prices have fallen. Greenery of all kinds moves fairly well, although not with the vim that was noticed a week ago. In fact, the entire market is in one of those dormant conditions which occur about four or five times a year, and something unusual is wanted to create an enthusiasm among the buying public.

PHILADELPHIA, February 7.—Considerable activity prevails in all lines of cut flowers, and a decided shortage is noticeable in small stemmed white Roses. The latter part of last week flowers of every kind were quite plentiful, and a tendency towards lower prices prevailed. The mild weather was a factor which the street men took advantage of, and offerings at low prices were frequently met with.

Short grade American Beauty Roses are arriving of very poor quality and top grade flowers are only in fair demand, at an average price of 60c., other grades ranging from 50c. down. Tea Roses have moved well, and at various prices, ranging from 4c. to 12c. according to color, variety, and quality, with short white Roses in good demand at $6 per 100.

Carnations are very plentiful, and many sales were made last week near the $2 mark. Top grade flowers realize $4, and some extra grade Pink Delight reach $5. Colored varieties predominate.

Cattleyas have shortened in supply, with demand about equal, and prices for good flowers average 50c. each. Cypripediums are gradually going off crop, and not very much demand is noticed for them. Gardenias are in good supply and range from 75c. to $3 per dozen.

Lilies are quite plentiful and retailers can name their own price for any quantity, from 8c. up per flower. Lily of the Valley meets with a somewhat cold reception, although good grades realize $4, the demand is so slight as to cause them to drag. Violets have moved well the last few days, locally grown stock reaching 60c. per 100. Receipts from long distance growers have been somewhat light recently. The average price is 50c. per 100 for top grade.

A general clean up of Narcissus was experienced last week and the price went to $3 for one day, but good shipments followed, and the price fell again, but there is no great quantity on hand, a fact which commission men are glad of. Tulips are arriving daily in greater numbers and already the question what to do with them has been heard. Many are so short as to be practically worthless. Good stemmed flowers realize $3 to $4 per 100, others are jobbed off at any price from $2 down. First grade Daffodils move well at $4 to $5 per 100. Short stemmed material ranges from $1 to $3, and is hard to move.

Lilac is apparently the best stock on the market and shipments are cleaned out as fast as received, at $1 per bunch. Callas move well. Sweet Peas, Freesias, Mignonette and Roman Hyacinths are only called for moderately. Asparagus plumosus nanus is in good demand, the long sprays selling for 50c. per bunch, shorter sprays 25c. per bunch. A. Sprengeri meets a moderate demand, and more Smilax could be used.

BOSTON, February 8.—Trade has been good and the supply in most lines has been quite plentiful. Roses in some varieties are scarce, most especially Killarneys and American Beauty. The latter, such as are in the market this week, are quite good and are bringing fancy prices. Sweet Peas are getting more plentiful and the quality is much improved; the stems are lengthening out in good shape.

Cattleyas are in good demand, but the supply is not over abundant. Violets are quite plentiful and prices have a downward tendency.

Bulbous material is getting very plentiful and prices are lowering. Carnations are in good demand; Enchantress is the variety most frequently asked for.

Smilax is selling well, and so are bunches of Asparagus, in preference to strings.

Lily of the Valley is bringing good prices and getting more plentiful. Gardenias are still bringing satisfactory prices. R. C.

CHICAGO, February 8.—The market has eased up a little both as regards quantity of arrivals and prices of stock, except in the case of Roses, which are still scarce and hold the same stiff prices, and there is no prospect yet of there being any break in the high prices commanded until stock arrives in greater quantity than it has for some weeks.

Carnations are more abundant and prices have decreased somewhat. The best flowers bring 3c. It is hardly expected there will be a surplus stock yet, as Lincoln's Birthday, on the 12th, and St. Valentine's Day on the 14th will call for a great many.

Bulbous stock is also coming along more abundantly, in fine quality and colorings. The prices have taken a decided tumble. Golden Spur Daffodils, that last week moved rapidly at 6c. can be purchased now for 3c.; the same applies to Tulips, prices ranging from 2c. to 4c. for the choicest. Paperwhite Narcissus and Freesias are getting scarcer, and hold at 3c.

Lilies are coming along nicely, the prices remaining about at last week's quotations. Callas and Lily of the Valley, also Sweet Peas as yet have not shown up in the quantities that were to be found at this season last year. The price has remained the same since they have been on the market. Violets have been coming to the front in the past few days, and while prices have not advanced the demand has increased considerably.

Some extra fine Mignonette is shown, never better, and brings from 4c. to 6c. for best stock. Forget-me-nots and Stocks have made their appearance. Orchids and Gardenias hold their own, the prices on each varies but very little Nothing in this line is left uncalled for. Greens are plentiful enough to meet all demands, and with the exception of Ferns are excellent. Ferns are coming in a discouraging condition, many having to be gone over on arrival.

INDIANAPOLIS, IND., February 7.—It was more difficult to obtain sufficient good stock than to sell the same during the past week. Counter trade was real lively at times and purchasers generally expected the long stemmed Roses, in particular, of a month previous. Spring flowers of all kinds have had a brisk demand and prices are unusually good. Funeral work has formed a large part of the shopmen's income and has been well distributed. Most beautiful displays are being made in the store windows and should prove beneficial during the present week in attracting the public.

Carnations are certainly in fine form and the people appreciate this fact as there are more sales in proportion than ever before. The general retail figure is 75c. to $1 per dozen; the wholesale $3 to $4 per 100. White is a particular necessity because of its many uses. Enchantress is to be discarded by several of the growers because of its splitting propensities at this period.

Even the large Chicago growers, who are appealed to as a last resort, were unable to fill all orders and the quality received was invariably inferior to what the price should indicate. The two Killarneys and Richmond have been wholesaling at $10 to $15 per 100 for the best grades; seconds brought $6 to $8, and shorts $3 to $4 per 100. The local supply of Bride and Bridesmaid has been fine at $4 to $8 per 100. American Beauty are suffering very much and a large per cent. remains on hand because of the poor quality.

Forget-Me-Not at $2 per 100, Mignonette at $3, Freesias at the same figure, and Daffodils at $4 per 100 are delightful innovations which customers take readily.

Callas and Harrisii Lilies are taken from the growers whenever offered at $12.50 per 100; $3 to $4 per dozen is the retail quotation for them.

Single Violets are outselling the double ones at present because of their fragrance and freshness; the wholesale price for either is 60c. to 75c. per 100.

Sweet Peas in several pastel shades are being gratefully received at 50c. to 75c. per 100.

There is little call for Orchids right now, fortunately but few of them are on offer. 50c. a bloom for Cattleyas is the current price.

Some of the growers are well supplied with potted plants for which there is a good market; Azaleas and pans of bulbous stocks are given preference. I. B.

ST. LOUIS, Feb. 7.—In speaking of the trade done last week we can say that it was most satisfactory in all lines; the West End florists especially, put in a busy week, as is always the case just before Lent sets in. This week will about finish up the social work for a time. Work for funerals, too, was very brisk with the downtown florists, who say that they will not feel the effects of Lent as much as the uptown florists who have very little transient trade. Prices on stock were rather high on everything except Violets of which there were many more than the commission men could dispose of, unless at very low prices. Should the fine weather keep up they will be in big supply for Valentine Day, next Monday, Feb. 14. In lots of 1000 they brought as low as $1.50, and 25c. in small lots.

Carnations seem to hold up in prices at from 3c. to 4c. for fancy and $1.50 to $2 for common; White and Enchantress have the call.

Roses are the only stock that is scarce and any variety brings a good price. The Rose shippers say they will soon have a good supply and then prices will take a drop; $10 to $15 per 100 is asked for choice. Bulb stock is coming in freely but none is over stocked. Lilies are coming in freely at $12.50 to $15 per 100 and sold well all last week. Tulips and Von Sions are now in the market and a few Dutch Hyacinths. Smilax and all other greens are in plenty and all sell well. ST. PATRICK.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager Consignments Solicited
39 West 28th Street, Telephone 6237 Madison Square NEW YORK
Please mention the Exchange when writing.

HENSHAW & FENRICH
WHOLESALE FLORISTS
Valley, Violets, Cattleyas and other Novelties for **St. Valentine's Day.** The following varieties of **SWEET PEAS** with 15 inch stems are received daily: Christmas Pink, Florence Denzer, Mrs. Chas. H. Totty, Snowbird, Watchung, Mrs. A. Wallace, Mrs. Wm. Sim, Gov. Fort.
Phones 325-5582-5583 Madison Sq.
HF
51 West 28th Street, New York
Please mention the Exchange when writing.

J. K. ALLEN
WHOLESALE COMMISSION FLORIST
106 W. 28th St., New York
I have room to handle more consignments to advantage, of **Roses, Carnations, Violets, Valley, Tulips** and other stock. Highest prices. Prompt returns. Give me a trial. Your correspondence appreciated.
Tel. 167 Madison Square. Open 6 o'clock every morning
Please mention the Exchange when writing.

C. BONNET G. H. BLAKE
BONNET & BLAKE
Wholesale Florists
130 Livingston St., BROOKLYN, N. Y.
Telephones: 1293-1294 Main
We solicit consignments of cut flowers, especially of good ordinary carnations; prompt returns and payments. Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Avenue and 26th Street
COOGAN BUILDING, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary

FORD BROS.
Wholesale Florists
43 WEST 28th ST., NEW YORK
Telephone, 3870-3871 Madison Square

GREATER NEW YORK FLORIST ASSOCIATION, Inc.
Wholesale Commission Dealers in Cut Flowers and Supplies
162 LIVINGSTON STREET, BROOKLYN, N. Y.
GEORGE W. CRAWBUCK, Manager

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
110 West 28th Street
Phone, 551 Madison Square NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888

WILLIAM H. KUEBLER
Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby Street
Tel. 4591 Main BROOKLYN, N. Y.

Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
55 West 28th Street, NEW YORK
Telephones 4626, 4627 Mad. Sq. Established 1891.

Charles Millang
Wholesale Florist
55-57 West 26th Street, New York
Branch: CUT FLOWER MARKET,
57 West 26th Street, Ground Floor
Telephone, 7052 Madison Square.

GEORGE SALTFORD
Wholesale Florist
CONSIGNMENTS SOLICITED
43 West 28th Street, New York
Telephone: 3393 Madison Square

MOORE, HENTZ & NASH, WHOLESALE COMMISSION FLORISTS, GROWER AGENT, ADJOINING New York Cut Flower Co's SALESROOM, 55 West 26th St., New York.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York.

B. S. Slinn, Jr.
WHOLESALE FLORIST
55 & 57 West 26th St., New York
VIOLETS CARNATIONS AND ROSES
Shipping orders receive prompt attention.
Telephone: 3864 Madison Square.

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
44 West 28th Street, New York
and Cut Flower Exchange
TELEPHONES: 798 AND 799 MADISON SQUARE
CONSIGNMENTS SOLICITED

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664--1665 MADISON SQUARE
ENOUGH SAID

PHILIP F. KESSLER Commission Dealer in Cut Flowers
Open from 5. a. m. to 6 p. m. Sunday till 10 a. m.
55 & 57 W. 26th St., New York City
FISCHER'S PURITY **FREESIAS** Grown by Mathews of Great Neck, L. I.
Tel. 5223 and 2921 Med. Sq. Res., 345 J. Newtown. FINEST LILIES IN THE MARKET EVERY DAY IN THE YEAR

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, February 9th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	40.00 to 50.00
" extra	25.00 to 35.00
" No. 1	20.00 to 25.00
" No. 2	10.00 to 20.00
" No. 3	8.00 to 10.00
Killarney	3.00 to 10.00
White Killarney	3.00 to 10.00
My Maryland	3.00 to 10.00
Richmond	3.00 to 10.00
Mme. Abel Chatenay	3.00 to 10.00
Golden Gate	3.00 to 10.00
Bride, Maid, fancy—spec.	8.00 to 10.00
" extra	6.00 to 8.00
" No. 1	4.00 to 6.00
" No. 2	2.00 to 4.00
Adiantum	1.00 to 1.50
Croweanum	.... to 1.50
Antirrhinum (per bunch)	.50 to 1.50
Asparagus, cut strings	25.00 to 40.00
Plumosus, bunches	15.00 to 30.00
Sprengeri, bunches	15.00 to 30.00
Bouvardia	2.00 to 3.00
Callas	8.00 to 12.00
Daffodils	1.50 to 4.00
Daisies	.75 to 1.00
Ferns, hardy	.15 to .20
Galax, green and bronze.	.20 to .25
	.... to ....
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.... to 1.00
Standard Varieties: White	1.50 to 2.50
Standard Varieties: Pinks	1.50 to 2.50
Standard Varieties: Red	1.50 to 2.50
Standard Varieties: Yel. & Var.	1.50 to 2.50
Fancy (The highest grades of Sta'd varieties): White	2.50 to 3.50
*Fancy: Pinks	2.50 to 3.50
*Fancy: Red	2.50 to 3.50
*Fancy: Yel. & Var.	2.50 to 3.50
Novelties	3.00 to 4.00
Gardenias, per doz.	.75 to 2.50
Lilac, per bunch	.50 to .75
Lilies, Harrisii and Longi.	6.00 to 10.00
Lily of the Valley	1.00 to 3.00
Mignonette, per doz.	.40 to .75
Narcissus	1.00 to 2.00
Orchids, Cattleyas	25.00 to 50.00
Cypripediums	8.00 to 12.00
Dendrobium Formosum	25.00 to 40.00
Pansies, per doz. bunches.	.50 to .75
Poinsettias per doz.	.... to ....
Roman Hyacinths	1.00 to 2.00
Smilax (per doz. strings)	1.00 to 1.50
Stevia, per bunch	.15 to .25
Sweet Peas, per doz. bun.	.50 to 1.25
Tulips	2.00 to 4.00
Violets, single	.30 to .50
" double	.30 to .50
	.... to ....

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST. NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1995 Madison Square JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

New York

The date for the New York Florists' Club banquet has been decided upon as March 17, and the committee in charge is sparing no effort to make it a complete success. It will be given in the new Fifth Avenue Restaurant, corner 23d st. and Broadway. During the week in which this interesting event will take place the American Rose Society will hold its annual convention at the American Museum of Natural History.

Last Monday morning the front of the restaurant next to Young & Nugent's store on 28th st. was blown out, and at the time several engaged in the wholesale trade were taking breakfast. The affair caused quite some stir, as it was first thought to be due to an anarchistic plot, but later developments showed that the accident was caused by undue pressure in the wrong place. Sufficient to say none of the breakfasters were injured.

Wm. Hanft is responsible for the idea that an "original floral art club" should be formed, having as its object the publication of a monthly paper, containing an account, with photos, of the novelties introduced by florists in general, thus establishing the originators' claims and placing the new ideas in a more prominent manner before the trade.

The Elberon Horticultural Society held its annual dinner at Orange, N. J., Feb. 11.

John P. Mallon, Brooklyn's popular retail florist, was last week elected president of the Tenth Assembly District of Brooklyn.

Henshaw & Fenrich are now receiving shipments of Sweet Peas of the following well-known varieties: Christmas Pink, Florence Denzer, Watchung, Mrs. Chas. H. Totty, Gov. Fort and others, all of which have stems 12 to 18 inches long. This firm will have a fine display of Valentine novelties, suitable for all classes of trade.

President James Wood of the Horticultural Society of New York read a paper on "Horticultural Ideas," in the American Museum of Natural History, Feb. 9.

James McManus, 42 W. 28th st., is receiving some fine Lilacs, Gardenias and other novelties, useful for all occasions.

Walter F. Sheridan is handling some Forget-me-nots, that should prove popular for St. Valentine's Day.

Clarence Slinn, who has been with his brother B. S. Slinn, Coogan Building, for the past two years, has returned to his home in Nyack, N. Y. Since his absence he has been missed, as his geniality secured many friends in the trade.

Fleischman is having a store fitted up in the Hudson Terminal Building. It is finished in white enamel and tile, and will be opened shortly.

Mr. Ross of Sherry's, attended to the decorations for the Havemeyer-Webb wedding on Feb. 8, at St. Bartholomew's Church. The church was simply decorated; clusters of Easter Lilies were fastened to alternate pews along the nave, but the chancel was elaborately decorated, and practically screened from the body of the church with a hedge of white Roses, Lilies and Spring flowers, while at each side of the steps leading to the altar tall pink flowering Almond shrubs were so placed as to carry out a gate effect. The back of the chancel was banked with white cut flowers and Palms.

C. H. Totty of Madison, N. J., gave an excellent talk on Chrysanthemums on Jan. 21, before the North Shore Horticultural Society, Manchester, N. H.

Mrs. Mary Hallock Bennett, daughter of the late E. V. Hallock, is the proud mother of a baby girl which was born in Jamaica, L. I., Feb. 2.

W. J. Elliott, of W. Elliott & Sons, is practicing law this week—on a jury in the Supreme Court.

Friends of F. D. Hunter, the well-known member of the staff of J. H. Small & Sons, Broadway store, will regret to learn of his serious injury a few days since through an automobile, of unknown ownership, running him down in the Bronx. At last reports he is slowly recovering.

J. H. Kershaw, who has been with Arthur T. Boddington the last couple of years, is now with the F. W. Kelsey Nursery Co., 150 Broadway, this city.

T. Mellstrom, the American representative of Sander & Sons of St. Albans, England, and Bruges, Belgium, sailed on the S. S. Oceanic for a six weeks' visit to the home office. During Mr. Mellstrom's absence his office at 235 Broadway, this city, will be open as usual.

2-Killarneys

AT this season both the White and Pink are at their best, large heavy buds, plenty of substance, a money making pair for every florist.

KILLARNEYS
Per 100, Specials $15.00; Fancy $12.00; Extra $10.00; 1st $8.00; 2nd $6.00.

RICHMONDS
Per 100, Specials $15.00; Fancy $12.00; Extra $10.00; 1st $8.00; 2nd $6.00.

MARYLAND
Per 100, Specials $15.00; Fancy $12.00; Extra $10.00; 1st $8 00; 2nd $6.00.

GARDENIAS. Per doz., Special $4.00; Fancy $3.00; 1st $2.00.

VALLEY. Per 100, Special $5.00; Extra $4.00; 1et $3.00.

PEAS, Lavender, White and Pink. 75c. to $1.00 per 100. Extra long, $1.50 per 100.

SINGLE DAFFODILS. $4.00 per 100, $30.00 per 1000.

RIBBONS. Some of the choicest novelties; exclusive patterns; an endless variety to choose from. **SUPPLIES of all kinds.**

CATALOGUE ON REQUEST

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St., Philadelphia, Pa. — 1212 New York Ave., Washington, D. C.
Stores close at 6 P. M.

QUALITY

Please mention the Exchange when writing.

ACACIA
PUBESCENS
Cut Sprays, $2.50 per bunch

DAFFODILS
EXTRA FINE GOLDEN SPUR } $4.00 per 100
DOUBLES .....$4.00 per 100

CARNATIONS
No larger or better supply coming to this market
You will find our $3.00 grade exceptionally good value

Double and Single
TULIPS
$3.00 and $4.00 per 100

DAISIES
WHITE.....$2.00 per 100
YELLOW..... 3.00 "

PUSSY WILLOW, 50c. per bunch, $5.00 per dozen bunches

THE LEO NIESSEN CO.,
Wholesale Florists
1209 Arch Street
PHILADELPHIA
Open from 7 A.M. to 8 P.M.

Please mention the Exchange when writing.

WE ARE NOW BOOKING ORDERS FOR

BEGONIA LORRAINE
BEGONIA LORRAINE LONSDALE
BEGONIA AGATHA

JUNE DELIVERY

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be **twice shifted.** Orders filled in rotation. 2½-in. pots, $15.00 per 100, $140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

Philadelphia

Ladies' night, held Feb. 4, in the Florists' Club rooms proved to be a very great success. About 100 persons were present, and those who stayed away missed a fine treat. The rooms were tastily decorated with wild Smilax, Palms and some flowering plants, while on the tables were sandwiches and other eatables for all. During the evening ice cream and cake were served, while lemonade, and some of John Westcott's famous punch, were partaken of by all, according to the individual taste. The ladies participated freely in the shuffle board and bowling games, prizes for which were won by Miss Kohler, Mrs. Dorp, Mrs. Leonard and Mrs. Wolfe. Popular songs were sung by outside talent, and instrumental music was listened to until about 10 o'clock. Other parts of the program were the solo "Kilkenny for Me" and "Loch Lomond," sung by Ed. Dooner, a reading by Miss Kohler and a song by A. M. Campbell. These with many other enjoyable features made those present wish that more such evenings could be arranged for, and the committee deserves thanks for the able manner in which everything was conducted.

The Collingdale greenhouses have been repaired, and the work of producing the best Asparagus for the Philadelphia market goes merrily on, under conditions which have certainly been nerve racking since the recent heavy snow storm.

It is understood that W. A. Leonard of Lansdowne, Pa., intends to build another greenhouse for Roses this coming season.

The unusual fall in temperature last Sunday was the cause of many reports of low temperatures, and some actual freeze-ups in Kennett Square and Lansdowne, while plants in several of our retailers' store windows suffered severely.

Mrs. Wm. K. Harris, Mrs. Robt. Craig, and Miss Margaret Harris are now on a trip through Florida and the South.

The decorations for the last exclusive Assembly Ball for the season were executed by J. J. Habermehl's Sons. Spring flowers of every variety were used exclu-

EDWARD REID
Wholesale Florist
Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias
All other seasonable flowers
1526 Ranstead St., Philadelphia, Pa.
Please mention the Exchange when writing.

Headquarters in Western New York
For Roses, Carnations,
And all kinds of Seasonable Flowers

WM. F. KASTING CO.
Wholesale Commission Florists
Dealers in Florists' Supplies and Wire designs
383-87 Ellicott St., BUFFALO, N.Y.
Give us a trial—We can please you

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Jan. 17, 1910	Buffalo Feb. 7, 1910	NAMES AND VARIETIES	Phil'delphia Feb. 7, 1910	St. Louis Feb. 7, 1910	
35.00 to 40.00	30.00 to 40.00	Roses—A. Beauty, fancy—special	40.00 to 60.00	30.00 to 40.00	
25.00 to 30.00	..... to 25.00	" extra	30.00 to 40.00	15.00 to 20.00	
15.00 to 20.00	..... to 12.00	" No. 1	15.00 to 25.00	8.00 to 12.50	
6.00 to 10.00	6.00 to 8.00	" No. 2	8.00 to 15.00	4.00 to 6.00	
4.00 to 10.00	6.00 to 15.00	Killarney	4.00 to 12.00	6.00 to 10.00	
4.00 to 10.00	6.00 to 15.00	White Killarney	4.00 to 12.00	6.00 to 10.00	
5.00 to 10.00	8.00 to 15.00	My Maryland	4.00 to 12.00	6.00 to 10.00	
5.00 to 10.00	6.00 to 15.00	Richmond	4.00 to 12.00	6.00 to 10.00	
3.00 to 6.00	4.00 to 10.00	Perle	..... to	..... to	
4.00 to 10.00	..... to	Golden Gate	..... to	..... to	
4.00 to 10.00	4.00 to 8.00	K. A. Victoria	..... to	..... to	
8.00 to 10.00	12.00 to 15.00	Bride, Maid, fancy—special	8.00 to 10.00	8.00 to 10.00	
6.00 to 8.00	10.00 to 12.00	" extra	6.00 to 8.00	5.00 to 6.00	
5.00 to 6.00	8.00 to 10.00	" No. 1	4.00 to 6.00	..... to	
3.00 to 5.00	4.00 to 8.00	" No. 2	3.00 to 4.00	..... to	
..... to 1.00	..... to	Adiantum	1.00 to 1.50	1.00 to 1.50	
..... to	..... to	Antirrhinum (per bunch)	..... to	..... to	
25.00 to 50.00	..... to	Asparagus, Plumosus, bunches	35.00 to 50.00	25.00 to 40.00	
25.00 to 50.00	..... to	" Sprengeri, bunches	25 00 to 50.00	25.00 to 50.00	
..... to	..... to	Bouvardia	2.00 to 3.00	..... to	
8.00 to 12.50	12.00 to 15.00	Callas	8.00 to 15.00	10.00 to 12.50	
..... to	..... to	Chrysanthemums	..... to	..... to	
1.50 to 2.00	..... to	Carnations—Inferior grades, all colors	1.00 to 2.00	1.00 to 2.00	
2.50 to 3.00	2.00 to 3.00	Standard Varieties: White	2.00 to 3.00	1.00 to 2.00	
2 50 to 3.00	2.00 to 3.00	Standard Varieties: Pink	2.00 to 3 00	1.00 to 2.00	
2.50 to 3.00	2.00 to 3.00	Standard Varieties: Red	2.00 to 3.00	1.00 to 2.00	
2.50 to 3.00	2.00 to 3.00	Standard Varieties: Yellow and var	2.00 to 3 00	..... to	
..... to 4.00	3.00 to 4.00	*Fancy (*The highest grades of Sta'd vars.): White	3 00 to 4.00	2.50 to 3.00	
..... to 4.00	3.00 to 4.00	*Fancy: Pink	3 00 to 4 00	2.50 to 3.00	
..... to 4.00	3.00 to 4 00	*Fancy: Red	3 00 to 4.00	2.50 to 3.00	
..... to 4.00	3.00 to 4.00	*Fancy: Yellow and var	3 00 to 4.00	..... to	
3.00 to 5.00	4.00 to 5.00	Daffodils	3.00 to 5.00	..... to	
..... to	.75 to 1.50	Daisies	1.00 to 2.50	..... to	
..... to .15	..... to .15	Ferns, hardy	..... to	..... to	
1 00 to 2.00	..... to	Freesia	2.00 to 5.00	2.00 to 2.50	
..... to .10	..... to .15	Galax, green and bronze	..... to	..... to 1.25	
2.00 to 2 50	6.00 to 9.00	Gardenias, per doz	1.00 to 3.00	..... to	
..... to	..... to	Lilac	.75 to 1.00	..... to	
..... to 12.50	..... to 15.00	Lilies, Harrisii and Longi	8.00 to 12.50	..... to 12.50	
..... to 4.00	4.00 to 5.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00	
3 00 to 4.00	3.00 to 5.00	Mignonette	2.00 to 4.00	4.00 to 5.00	
2.00 to 3.00	2.50 to 3.50	Narcissus	1.00 to 2.00	..... to 2.50	
..... to	75.00 to 100.00	Orchids—Cattleyas	40.00 to 60.00	..... to	
..... to	15.00 to 20.00	Orchids: Cypripediums	10.00 to 16.00	..... to	
..... to	..... to	Orchids: Dendrobium Formosum	30.00 to 40.00	..... to	
..... to	..... to	Pansies, per doz. bunches	.50 to .75	..... to	
2.00 to 3.00	2.00 to 3.00	Roman Hyacinths	1.00 to 2.00	..... to	
..... to 20.00	..... to 15.00	Smilax, (per doz strings)	1.00 to 1.60	..... to 1.25	
..... to	.25 to .30	Stevia, per bunch	.15 to .25	..... to	
1.00 to 1.50	.50 to 1.00	Sweet Peas, (per doz. bun.)	.60 to 1.00	.50 to .75	
..... to 3.00	3.00 to 4.00	Tulips	1.50 to 4.00	..... to	
..... to .75	..... to	Violets, single	.25 to .60	.35 to .4[illegible]	
..... to 1.00	.75 to 1.50	" double	.35 to .60	..... to	
..... to	..... to		..... to	..... to	
..... to	..... to		..... to	..... to	
..... to	..... to		..... to	..... to	

F. E.—The Best Advertising Medium

sively, while Bay trees added to the general effect. The affair took place Feb. 4, in the Bellevue-Stratford. The firm also furnished the decorations for the Philopatrian Ball given in the Academy of Music Feb. 7. They consisted of Palms, Ferns, Azaleas and Spring flowers in great profusion.

At the last Florists' Club meeting Sam Lilley made application for membership.

Edw. Reid is receiving a fine grade of Sweet Peas and Carnations.

A. C. Brown of Springfield, Ill., shipped to this city some Sangamo Carnation blooms, to be exhibited at the recent Florists' Club meeting, but unfortunately they arrived a day too late. They were, however, kept in the store of the S. S. Pennock-Meehan Co. until Saturday, when S. S. Pennock took them to his home, the latest report being that on Feb. 7 the flowers were still presentable. This should at least prove the shipping and keeping qualities of Sangamo.

Wm. Bester of Hagerstown, Md. also shipped some flowers of Constant, a rose pink Carnation; but they, unfortunately, were delayed in transit and did not arrive in a very satisfactory condition.

Daffodils, Tulips and all other Spring flowers will be handled by the Leo Niessen Co. for St. Valentine's Day, Feb. 14.

The S. S. Pennock-Meehan Co. is receiving some extra grade Tea Roses, Carnations, Valley and Adiantum Fern, besides Pussy Willow and other novelties for retailers' trade.

Boston

E. L. Pierce of the Hews Pottery Co., North Cambridge, has not been in the best of health for some time back and, on the approach of cold weather, he went to Florida; we are glad to say that he is improving in health steadily in that warmer climate and will not return North until April; Mrs. Pierce is along with him.

The many friends of Edward Hatch, the respected treasurer of the Gardeners and Florists' Club, will be pleased to learn that that gentleman is much improved in health. He says he will be out before the great Orchid show in May. We hope and pray that he will be out long before that time. He was missed very much at our banquet. The good wishes of many genuine friends, like the prayers of a righteous man, availeth much.

The trustees of the Mass. Hort. Society have voted to suspend their exhibitions of this year after the Orchid show in May on account of repairs to be made to the building. They have also agreed to make the exhibition on Feb. 26, 27 and 28, a pay show.

The committee on prizes and exhibitions are preparing a handsome illustrated schedule of the Orchid exhibition; it will be sent out shortly.

Fred P. Olin has accepted a position as head gardener to John M. Longyer, Esq., of Brookline, Mass.

Thomas Howden of Whitinsville, Mass., who has quite often captured many of the principal prizes at the Chrysanthemum shows, has accepted the position of head gardener to Henry Hornblower, Esq., of Plymouth, Mass. Mr. Howden is a good gardener and a splendid plantsman and his friends wish him every success in his new home.

Chas. Holbrow of Brighton is sending some nicely grown Ficus elastica to the Park Street Market.

The specialties sent to market this week by Mann Bros. are Murillo Tulips. Narcissus Sir Watkin and Narcissus poeticus King Edward VII. This variety of poeticus is rather new and promises to be a good thing.

Chas. Evans is sending some fine spikes of Bird of Paradise flower (Strelitzia Reginæ) to Park Street Market. The curious shaped flowers are attracting a lot of attention among the boys.

Nicely grown Boston Ferns, in small sizes, from Peirce Bros., are finding a ready sale in the market this week.

Most of the Acacia Drummondi seen in the retail florists' windows come from Thomas Roland, Nahant.

William Sim of Cliftondale is shipping some very fine Sweet Peas in all the principal shades of color, and with stems 18 in. in length.

Edward J. Rogean is handling the finest Easter Lilies and Freesias seen in Park Street Market. They come from A. N. Pierson, Cromwell, Conn.

A nice batch of well-grown Primula obconica grandiflora in 5-in. pots, in different shades of color, were seen this week at Park Street Market, from William Nicholson, Framingham.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices] of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Feb. 4, 1910	Pittsburg Feb. 7, 1910	NAMES AND VARIETIES	Boston Feb. 8, 1910	Detroit Jan. 31, 1910	Cincinnati Feb. 7, 1910
to 35.00	40.00 to 60.00	Roses—A. Beauty, fancy—special	30.00 to 50.00	to	40.00 to 50.00
to 25.00	20.00 to 30.00	" extra	25.00 to 30.00	to	to
12.50 to 18.00	10.00 to 15.00	" No. 1	12.00 to 20.00	8.00 to 15.00	to
4.00 to 6.00	4.00 to 8.00	" No. 2	to	4.00 to 6.00	to
6.00 to 10.00	6.00 to 15.00	Killarney	4.00 to 16.00	to	to
6.00 to 10.00	6.00 to 15.00	White Killarney	4.00 to 16.00	to	to
to	6.00 to 10.00	My Maryland	4.00 to 16.00	6.00 to 16.00	to
4.00 to 8.00	6.00 to 15.00	Richmond	10.00 to 20.00	6.00 to 15.00	6.00 to 10.00
4.00 to 6.00	to	Perle	to	to	to
to	to	Golden Gate	to	4.00 to 8.00	to
4.00 to 8.00	to	K. A. Victoria	to	4.00 to 8.00	to
to 10.00	10.00 to 12.00	Bride, 'Maid, fancy—special	4.00 to 8.00	12.00 to 15.00	6.00 to 10.00
to 8.00	to 8.00	" extra	to	10.00 to 12.00	to
to 6.00	to 6.00	" No. 1	to	8.00 to 10.00	to
to 4.00	to 4.00	" No. 2	to	6.00 to 8.00	to
to 1.00	1.00 to 1.25	Adiantum	1.00 to 1.50	1.00 to 1.50	to 1.00
to	to	Antirrhinum, (per bunch)	to	to	to
to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	35.00 to 50.00	30.00 to 50.00	to 25.00
to 30.00	20.00 to 30.00	" Sprengeri, bunches	35.00 to 50.00	30.00 to 50.00	to
to	to	Bouvardia	to	to	to
to 12.50	10.00 to 12.00	Callas	to	to	to 12.00
to	to	Chrysanthemums	to	to	to
to	to 1.00	Carnations—Inferior grades, all colors	2.00 to 3.00	to	2.00 to 4.00
to 2.00	to 1.50	Standard Varieties: White	to	2.00 to 3.00	to
to 2.00	to 1.50	Standard Varieties: Pink	to	2.00 to 3.00	to
to 2.00	to 1.60	Standard Varieties: Red	to	2.00 to 3.00	to
to 2.00	to 1.50	Standard Varieties: Yellow and var.	to	to	to
to 3.00	to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	5.00 to 5.00	3.00 to 4.00	to
to 3.00	to 3.00	*Fancy: Pink	to	3.00 to 4.00	to
to 3.00	to 3.00	*Fancy: Red	to	3.00 to 4.00	to
to 3.00	to 3.00	*Fancy: Yellow and var.	to	to	to
to 3.00	2.00 to 4.00	Daffodils	2.00 to 4.00	to 4.00	to
to .60	1.00 to 3.00	Daisies	to	to	to
to .25	.15 to .20	Ferns, bardy	to	to .15	to
2.00 to 3.00	2.00 to 3.00	Freesia	to	4.00 to 6.00	to
to .20	to .12	Galax, green and bronze	to	to .12	to .10
to	to	Gardenias, per doz.	3.00 to 4.00	to	to
to	to 1.00	Lilac	to	to	to
to 12.50	to 12.00	Lilies, Harrisii and Longi	8.00 to 12.00	15.00 to 20.00	to
to	2.00 to 4.00	Lily of the Valley	3.00 to 4.00	3.00 to 4.00	to
to	2.00 to 6.00	Mignonette	to	10.00 to 15.00	to
to 3.00	2.00 to 3.00	Narcissus	2.00 to 4.00	3.00 to 4.00	to
to	60.00 to 75.00	Orchids—Cattleyas	50.00 to 60.00	to	to
to	to 15.00	Cypripedinms	to	10.00 to 15.00	to
to	to	Dendrobium Formosum	40.00 to 50.00	to	to
to	to 1.00	Pansies, per doz. bunches	to	to	to
2.00 to 3.00	1.00 to 3.00	Roman Hyacinths	2.00 to 4.00	to	to
to 1.50	to 1.50	Smilax, (per doz. strings)	1.00 to 1.50	1.50 to 2.00	to
to	to	Stevia, per bunch	to	to 2.00	to
to 1.00	.50 to 1.60	Sweet Peas, (per doz. bun.)	to	1.00 to 1.50	.75 to 1.00
to 3.00	3.00 to 4.00	Tulips	2.00 to 3.00	to 4.00	to
to .75	.50 to .75	Violets, single	.60 to .75	.75 to 1.00	to
to .75	.50 to .75	" double	to	.75 to 1.00	to
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. CINCINNATI, O.

All Cut Flowers in Season.

—SPECIALTIES—

American Beauties, Killarneys, Richmond, Maryland, Jardines, Brides. (Heller Bros. Stock.) Send me an order.

Greens of all kinds. Florist Supplies.

Wire Work.—This department manufactures the best work in the market. Send for Illustrated Catalogue.

Look over your stock and send me a trial order.

How about your "Hanging Baskets" for Spring?

Please mention the Exchange when writing.

Geo. E. Buxton of Nashua, N. H. offers the following prizes at the National Flower Show in 1911: $25 in gold to be divided into three prizes, for the best vases of 100, 50 and 25 blooms of Carnation Bon Ami. $15 first, $8 second, $2 third. He says: "I do this to set the ball rolling for the biggest and best show ever held."

Frank Darroch of the R. P. Hooper estate, Manchester, and Harry Baldwin of the Larz Anderson estate, Brookline, have taken positions on the Plant estate, Conn., under Mr. Head.

Harry May has been appointed head gardener to Miss Bradley, Hingham. Albert Jay, gdr. to E. C. Mason, has been appointed supt. of the estate.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

Milwaukee, Wis.

Please mention the Exchange when writing.

The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

937 Liberty Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee St., MILWAUKEE, WIS.

'Phone, Main 874. P. O. Box 103.

Please mention the Exchange when writing.

William H. Elliott's son, who had an operation a few weeks ago, is doing surprisingly well and will be quite recovered in a few days.

The friends of John Beaton, the seedsman who was taken sick on Long Island a week ago will be pleased to learn that he is slightly better but not able to leave his home yet; it will take a week or two more before he is quite well.

John K. L. M. Farquhar is spending a few days in New York; he has gone there principally on business.

Patrick Welch has just returned from a very pleasant trip to New York; he went principally to attend the Executive Committee meeting of the American Rose Society. He says that Mr. Pierson speaks very enthusiastically of the coming exhibition and thinks it will be the best the Rose Society has ever held.

Mr. Captyn, representative of Van Wavaren & Kneiff of Sassenheim, Holland, has been in town this week.

L. Van Leenwen, accompanied by his son, has been visiting the seedsmen of this city this week.

Robert Rust and John Ash of Pomfret, Conn., and August Rolker of New York, were visitors this week.

George McWilliam of Whitinsville, Mass., is spending a few days in Boston with friends; before he returns home he is to visit the principal estates and places of interest on the North Shore.

Frank Conboy, with the Thomas J. Grey Seed Co., surprised his friends and family a few days ago by letting them know that he has been married since last June.

Thomas J. Grey Seed Co., report a very good business so far this year and their mail order business is larger than usual.

The daughter of John W. Duncan, who has been ill with scarlet fever, is getting on very nicely and is expected to be out in a few days.

Remember the Club meeting Feb. 15. Many Carnation novelties are promised ahead and a big crowd will be on hand as usual.

Boston is in the grip of Jack Frost and Sunday night was the coldest of the year. Sunday was a bitter cold day with a piercing wind and the Mercury began to fall in the afternoon and kept going down until the thermometers registered 6° below and, in some suburban districts, 10° and 12° below. The piercing cold wind made it extremely hard to keep the temperature in the greenhouses as high as it ought to be. We already hear complaints that some material has been chilled and that, with Sunday night's experience, there will be some extra piping going into some of the greenhouses next Summer. R. C.

Pittsburgh

Harry Bunyard of Boddington's and Mr. Muller of J. Roehrs Co. were still in the city the past week; both were present at the meeting.

Wm. Falconer and daughter left for a trip to Florida; they just escaped a few of the worst days we have had this Winter, the thermometer going below zero in many places.

The past week trade was fairly good and stock seems abundant, although prices are holding up well. Some fine cut Tulips are coming in and Valley is abundant. Plants cannot be safely handled with such low temperatures, in the markets; almost everything froze last Monday and no flowers could be displayed. The seed business is also kept back on account of the cold.

Edward Ludwig entertained quite a party of his friends last week; it was a most enjoyable affair.

P. S. Randolph will be busy the next few weeks with the annual poultry show; he is quite a fancier and as successful in raising chickens as plants.

The report of the Club meeting will be found under "Clubs and Societies."

E. C. REINEMAN.

Paterson, N. J.

Robert Smith, the Market st. florist, failed last week. The assets are practically nothing, as the store fixtures had been levied upon and will not be sufficient to pay rent due. Several New York wholesalers, and quite a number of plant and cut flower growers in the vicinity of Paterson, are among the creditors.

Ruso Stontenburgh and James Smith is the latest firm to start in business. They are located on Main st., near the Paterson Opera House; they are practical retail salesmen and their location is a good one. J. G. E.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

Please mention the Exchange when writing.

HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

51 Wabash Ave.

Please mention the Exchange when writing.

Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

Please mention the Exchange when writing.

E. G. HILL CO.

Wholesale Florists

RICHMOND, INDIANA

Please mention the Exchange when writing.

Wietor Bros.

Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

Please mention the Exchange when writing.

ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Feb. 8, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	4.00 to 6.00
30-inch stems.. "	.... to 3.00
24-inch stems.. "	2.50 to 3.50
20-inch stems.. "	.... to 2.50
18-inch stems.. "	1.50 to 2.00
12-inch stems.. "	1.00 to 1.25
8-in. stems and shorts "	.75 to 1.00
Killarney	5.00 to 8.00
" extra	12.00 to 18.00
White Killarney	12.00 to 18.00
Richmond	7.00 to 15.00
My Maryland	5.00 to 12.00
Bride, Maid, fancy special	6.00 to 15.00
" extra	4.00 to 6.00
" No. 1	.... to 4.00
" No. 2	.... to 2.50
Perle	5.00 to 12.00
Chatenay	3.00 to 8.00
Kaiserin	.... to 8.00
Uncle John	.... to 10.00
Mrs. Marshall Field	.... to 8.00
Adiantum	.... to 1.00
Asparagus, hunch	.35 to .75
" Sprengeri	.35 to .75
Calla Lily	12.00 to 15.00
Chrysanthemums doz.	.... to ....
" fancy doz.	.... to ....
Daisies	.... to ....
Daffodils	2.00 to 3.00
.....	.... to ....

CARNATIONS	
Standard Varieties: White	1.50 to 2.00
Standard Varieties: Pink	1.50 to 2.00
Standard Varieties: Red	2.00 to 4.00
Standard Varieties: Yel. and Var.	.... to ....
Fancy (The highest grades of Sta'd varieties): White	.... to 3.00
*Fancy: Pink	.... to 3.00
*Fancy: Red	.... to 3.00
*Fancy: Yel. and Var.	.... to ....
Ferns, hardy, per 1000	.... to 2.00
Freesia	.... to 3.00
Galax (green)	.... to 1.25
" (bronze)	.... to 1.25
Gardenias	30.00 to 50.00
Hyacinths, Roman	.... to 3.00
Lilac	.... to ....
Lilies, Harrisii and Longi.	12.00 to 15.00
Lily of the Valley	3.00 to 5.00
Mexican Ivy	.... to 1.00
Mignonette	4.00 to 6.00
Narcissus—Paper White	.... to 3.00
Orchids—Cattleyas	35.00 to 50.00
" Cypripediums	15.00 to 20.00
Pansies	.... to ....
Smilax	12.00 to 15.00
Stevia, bunch	.25 to .50
Sweet Peas	1.00 to 1.50
Tulips	2.00 to 4.00
Violets, single	.... to .75
" double	.75 to 1.00
.....	.... to ....
.....	.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

Chicago

The shortage of stock in the line of cut flowers for some weeks, and the high prices that have been demanded for same, has led to an increased trade in all small flowering plants, and all retailers are displaying assortments of foliage and flowering plants of all kinds obtainable, including pots of Tulips, Roman Hyacinths, Cyclamens, Azaleas, Begonias, Primulas, and in some stores small bushes of white Lilac are to be seen; all meet with a more ready sale than is usual at this season. Many orders were received from the South up to Saturday of last week, for the Mardi Gras celebrations at New Orleans. Orders for St. Valentine's Day are also being booked, with the prospect of a more abundant supply not very encouraging.

A. Lange had the most elaborate wedding decoration he has had this season, on the occasion of the marriage of Mr. J. Malony's daughter, of Ottawa, Ill., on Tuesday, February 8. Herbert Stone left last Sunday to take charge of the decorations. The entire house was decorated in pink and white with quantities of Smilax. Under the canopy erected at one end of the drawing room was placed two immense vases of Lilium Harrisii. The bride carried a shower bouquet of Lily of the Valley. The matron of honor carried pink Roses. The dining table was arranged with baskets of pink Roses, a large one placed in the center, with numerous small ones corresponding, made a very effective arrangement. The private car that conveyed the newly wedded pair to Chicago after the wedding was also elaborately festooned with Smilax and Roses, as was likewise the suite of rooms occupied by the bridal couple at the Auditorium Annex. Mr. Lange says it required considerable time to get enough material together to carry out the work.

Mrs. Percy Jones, at the Flower Growers' Market, is now handling flowering plants in connection with the cut flowers, seemingly with success.

The familiar face of Fred Strail is missed from the force at A. Lange's store. He is now located at the store of the Bohannon Floral Co.

Harry Philpott, who is at present visiting the Coast, wired his regrets to the Chicago Florists' Club last Thursday, at not being able to attend the installation of officers. As vice-president he would have enjoyed being with the boys.

In visiting the Automobile Show at the Coliseum the past week, one could not imagine when reaching the interior, which was a veritable forest of trees and evergreens, that just outside the walls of the same building such severe storms were prevailing. The decorations in the line of trees and greens were never so elaborately carried out. Wittbold was responsible for them.

Carl Cropp of Vaughan's Seed Store, who took a trip East from Pittsburg after the Carnation convention, arrived home on Monday, well pleased with his trip. D. D. P. Roy is now connected with the Vaughan establishment.

John Straley, formerly with Fleischman, who some time ago located at 607 North Clark st. in the florist business, is very desirous of subletting his store, other business claiming so much of his time that he cannot give it the proper attention.

By the time the EXCHANGE goes to press Winterson's Seed Store expect to have their new catalogs ready for distribution. This season the edition is very attractive and should be a winner.

Conrad Fraunfelder, who was taken seriously ill some weeks ago with pneumonia, is so far improved that he is able to get around a short time each day. It is now hoped that he will fully recover.

Vaughan's Seed Store is meeting a heavy demand for tuberous Begonia bulbs, and all classes of Spring bulbs. Many dealers seem to have lost their shipments by frost.

The employees of Wietor Brothers' store were shocked to learn of the death of John Orsesky, which occurred at St. Bernard's Hospital on Thursday, February 3. He had been in the employ of the firm for 7 years, and was a conscientious and faithful worker, always cheerful, and well liked by all. Mr. Orsesky was taken ill the Sunday night previous to his death, but was not considered seriously so until Wednesday, when the doctor pronounced it appendicitis. He was removed to the hospital, but died before the surgeons had time to operate. The deceased was 22 years old and a member of the Rose team of the Chicago Florists' Bowling League. The funeral took place on Monday morning, February 7, from the residence of his mother, 3203 Fox st. Many members of the wholesale houses' staffs attended.

H. M. Robinson and Wm. Penn, of Boston, spent a few days in Chicago recently. Mr. Robinson to look over the prospects of selling 50 million of his famous Ferns for the month of May, Mr. Penn to see a replica of his face on the window of a cigar store in the wholesale district, also to take in the sights and a walk along the lake front, under the guidance of their old college mate, F. E. Waters. Both headed for New York on the 20th Century on Saturday, February 5.

Roy Wilcox visited the wholesale market last Saturday and congratulations were in order, as he was just returning with his bride from their honeymoon in the East. They left on Tuesday for their home in Council Bluffs, Ia.

Daniel Branch, florist at 313 E. 51st st., is branching out again, this time opening an additional store at 43d st. and Forestville ave., in the place formerly occupied by Raedke.

On exhibition at the J. B. Deamud Co.'s store is a very handsome loving cup, with stag handles, 9 inches high, handsomely engraved with this inscription: "The Deamud Cup. Individual Bowling Trophy, for Highest Average Man, Season 1909-10, of The Chicago Florists' League.

E. P. Barnett, as manager, is opening a high class flower shop at Oshkosh, Wis., which will be run under the name of Oshkosh Floral Co. Mr. Burnett has been very prominent at the flower shows, and with many of the Chicago florists for some years.

Mr. Johnson of D. D. Johnson Co., manufacturers of Evergreen Brand fertilizer, promises in the near future to write a series of articles for the florists' papers on "Fertilizers." These he feels will be of much interest to all users of these articles. A letter from Cornell University, New York State College of Agriculture, Ithaca, N. Y., says they will this season experiment with the Evergreen brand of fertilizer, their attention being drawn to same by the advertisement in the Florists' Exchange reporting to the D. D. Johnson Co. the results obtained.

Fred Lieberman, in charge of the shipping department of Vaughan & Sperry, was married on Thursday of last week to Miss Clara Dick of Chicago. After a short trip, Mr. Lieberman reported at his post of duty on Monday morning last. All wish the happy couple the best of luck.

The Chicago Tribune of Feb. 8 says: "Peter Reinberg, finishing third term; record of quiet efficiency and steady support of worthy measures in committee and in council; a reliable alderman." We who know him, feel that the Tribune is right in this respect.

Illinois State Florists' Association Meeting

Among the Chicago people who have stated their intention of going to the Illinois State Florists' Association are: W. Lynch, E. P. Pruner, Geo. Asmus, N. Miller, C. Washburn, J. C. Vaughan, M. Barker, Aug. Poehlmann, a representative from A. L. Randall Co., H. B. Howard, W. N. Rudd, Mrs. Hancock and Mrs. Flint.

Fred Heinl of Terre Haute, Ind., is in Chicago this week attending the automobile show held at the Coliseum.

Horticultural Society of Chicago

The executive committee of this Society of Chicago met Friday afternoon, Feb. 4, at the Art Institute. J. C. Vaughan was appointed chairman of the committee for the present year. The question of a premium list and an appropriate amount for running expenses were discussed. Geo. Asmus presented a preliminary premium list to the amount of $4500, exclusive of $200 for other appropriations; the matter was put over until the next meeting, to be decided on. One thousand dollars was laid aside for running expenses for the present year. The report on the expenses of the flower show of 1909, showed they amounted to $10,193, and the receipts $12,000, netting a balance of nearly $2000.

The Chicago Florists' Club

The regular meeting of the Chicago Florists' Club was held on February 3, at the Union Restaurant. The installation of officers was the first business on the program, after which new business was taken up. W. Graff, Columbus, O.; J. F. Dumke and E. J. Fichter of Chicago, were elected to membership. J. Straus of Chicago was proposed for membership. President Geo. Asmus appointed the following committees for the year of 1910. Transportation: E. J. Winterson, chairman, Michael Barker and Fred Lautenschlager; sports and pastimes: T. C. Yarnell, A. Zeck and F. Ayers; good of the club: Herman Schiller, Frank Pasternick and J. P. Degnan. Pres. Asmus appointed additional members to act in conjunction with the entertainment committee in arranging for a ladies' night, to be reported on at the next meeting of the Club, which will be held March 3; the additions were, H. N.

Bruns, A. C. Kohlbrand and C. A. Robertson: It was discussed and voted on that the secretary of the Chicago Florists' Club send a letter to the secretary of the Pittsburg Florists' Club, thanking that Club for the delightful manner in which Chicago visitors were treated, and the courtesy extended to all the members of the Chicago Club, while in their city at the recent convention. A card has been sent to each member of the Club, conveying the information that the official train to the Illinois State Florists' Association meeting, to be held at the Illinois State University, Urbana, Ill., on Feb. 15-16, would leave the 12th st. station of the Illinois Central Railroad on Tuesday morning, February 15, at 9.40 a.m.

Visitors: F. L. Washburn, Bloomington, Ill.; A. C. Brown, Springfield, Ill.; Geo. W. Jack, Springfield, Ill.; F. Ammann, Edwardsville, Ill.; C. E. Guilett, Lincoln, Ill.; Ed. Amerpohl, Janesville, Wis.; B. Eschner, of M. Rice & Co., Philadelphia, Pa.; Paul Berkowitz, of H. Bayersdorfer & Co., Philadelphia, Pa. C. G. Anderson, Kenosha, Wis.; F. V. Craigh of William Hagemann & Co., New York.

Standing of the Bowling Teams

Owing to the Chicago Florists' Club meeting, on Feb. 3, falling on the bowling evening many of the bowlers attended the Club meeting, consequently the teams that bowled were comprised of four men each instead of the usual five.

The standing of the teams on Feb. 4, was as follows:

	Games	Total Pins	Grand Average	W.	L.
Violets	48	33851	705 11-48	30	18
Carnations	48	34241	713 17-48	25	23
Orchids	48	32966	688 42-48	24	24
Roses	48	33071	688 47-48	16	32

INDIVIDUAL STANDING

	Games	Total pins	Grand average
Fisher	24	3922	163 10-24
Bergman	42	6700	159 22-42
J. Zech	48	7557	157 21-48
Wm. Wolf	48	7501	156 13-48
Geo. Asmus	21	3276	156
A. Zech	45	6992	155 17-45
Yarnell	48	7418	154 26-48
E. Johnson	42	6420	152 36-42
Farley	48	7093	147 37-48
Ayres	48	7086	147 30-48
Graff	48	7010	146 2-48
Huebner	48	6952	144 40-48
Winterson	12	1714	142 10-12
Pasternick	45	6332	140 32-45
Goerisch	33	4618	139 31-33
McKellar	12	1645	137 1-12
F. Johnson	14	1881	134 5-14
Kruchten	42	5522	131 20-42
Krauss	48	6307	131 10-42
Lorman	18	2369	131 11-18
Lieberman	45	5770	128 10-45
Pieser	36	4461	123 33-36
Vogel	36	4214	117 2-36

High Team Game 921.

High Team Average, 869 and little fraction, held by the Orchid Team.

Springfield, Mass.

Springfield florists have been enjoying good business since last Fall; their Christmas business was unusually good and in many stores was far better than ever before. Funeral work is coming in very regularly, so much so that some are working nights and Sundays in order to get orders out on time.

Springfield has nearly 90,000 population and within a few miles of the city are about 250,000 people to whom the local florists cater. There are six strictly retail shops and a number of greenhouses to which a nice retail trade is going; there are also several new houses going up this coming Spring.

Mark Aitken of 378 Main st. has one of the most complete retail stores in this section. He has been here for nearly 18 years and at this time has three delivery wagons engaged in his local business. His store is nicely situated near the larger department shops and the double windows are well arranged for catching the eye of the passing public. Mr. Aitken has arranged with the Lord & Burnham Co. for the erection of 65,000 ft. of glass to be built as soon as the weather permits. Goldfish and birds are handled here and a nice trade is had in supplies for same. Business is excellent and funeral work very brisk.

Ostermann & Steele, 137 State st., came here about four years ago from New Haven, Conn., and their business has been increasing nicely each year. They recently had the entire store refinished in green and white with marble counters and new furniture. The store is located near Main st. where the traffic is greatest and the window display attracts new trade daily. The past season was the best in their experience and funeral work with them is excellent.

Wm. Schlatter & Son are at 422 Main st., between two of the largest department stores and near Court Square, the starting point for all out-of-town car lines and where all passers-by have a chance to examine the stock displayed. The greenhouses are well located opposite Oak Grove Cemetery, on Bay st., and a good trade is had here in season. Three houses were erected last Fall, giving them nearly 20,000 sq. ft. in which a little of all bedding stock is grown as well as a fine lot of plants, Ferns and cut stock. This firm has been here for about 15 years and the past season was their best on record.

A new Carnation support is being made here having several good points which will commend it to the busy grower; it will shortly be placed upon the market.

L. D. Robinson, 182 Main st., has a good location north of the "Arch," in which he retails the stock grown at his No. Main st. greenhouses. He has some 11,000 sq. ft. and makes a specialty of Azaleas and bulb stock, part of which he wholesales. Trade is reported excellent, the best in his four years in present store.

N. F. Higgins of 239 Pine st. has 8000 sq. ft. to Carnations and bedding stock. His store at 154 State st. is of good roomy size, having a conservatory in rear; the store is well arranged for display. He has been here for about five years, and during the coming Spring has arranged for 4000 sq. ft. additional.

Concord Junction, Mass.

Everybody is busy just now at the Leonard Cousins, Jr., plant, shifting Shamrocks in pots and pans for St. Patrick's Day trade. Carnations have done exceedingly well here this season; some of the finest blooms going into the Park st. Flower Market (Boston) are shipped from this establishment. A large new house is to be added next Summer, and some 30,000 Carnation plants will be housed in it next Fall. The new addition will be one of the largest in the State devoted entirely to Carnations.

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Gallon 10.50
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Shredded or Pulverized

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The Pulverized Manure Company
34 Union Stock Yards Chicago

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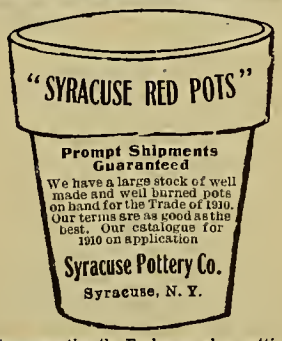

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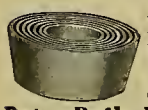

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The Week's Work

BY

FRITZ BAHR

Chrysanthemums

Chadwick a Good Commercial Variety

There might be a hatch of Carnations which are not doing as well as they ought, in order to pay. We noticed one the other day and made it a part of the week's work to clear the bench and replant the same with stock plants of Chrysanthemums—they were Chadwicks. We find that we need more stock plants of this variety than of any other, in order to get the desired number of small plants for benching. Someone said, "are you still growing Chadwick! Why, we have discarded that variety long, long ago." Now, that may be true, and there are, no doubt, quite a number of new midseason and late varieties which are very good; but whether it is the lack of knowing how or not, in giving the new fellows a fair show, Chadwick and its sports are a part of our standbys, and have made good for many years back. The Golden Chadwick, when well done, is a good thing for Thanksgiving, or whenever it is ready to cut. The stock planted out now on a Carnation bench where the plants will get plenty of good air and all the sun that shines, will furnish cuttings in a few weeks. The cuttings may be removed and put into the sand, but a better way, especially when somewhat short on stock, is not to remove these cuttings when they are large enough to take but to let them remain and develop into a stocky growth about 12 inches high. Take the top then for the cutting bench, the remaining stem will soon break and furnish quantities of fine cuttings. We find this a good way with the Chadwicks.

Care of the Stock Plants from Now On

Any of the stock plants which have been in a cold house since last November are benefited from now on with a little more heat. Of course, too much heat is wrong; even a Carnation house might be called too warm by many Chrysanthemum growers. 45 degrees at night is a nice temperature, with plenty of sunshine during the day; this will start the young growth, in plenty of time, of most of the varieties we grow for cut flower purposes. While certain varieties, such as Ivory and other short jointed sorts, should be propagated early in order to get a good stem, with most of the midseason ones cuttings taken up to May will give good results; and the retail grower who only takes sufficient cuttings for his own wants does as well to keep the young growth of the stock plants pinched back, so as to encourage the plants to make new breaks and give him, when the proper time comes, the greatest number of cuttings of one size possible; and this is only accomplished by paying proper attention to the stock plants from now on. It is natural for them to start again, and growth made below some bench, or in a dark corner, is not fit for propagating.

Novelties for Trial Should Be Ordered At Once

Get out the note book, where the varieties which impressed you most last Fall are marked down; if you are in the possession of the means it will never do not to try a few of the new ones at least. The firms who make the handling of new varieties a specialty usually start to ship about March, and where there is enough small stock on hand even earlier. Should there be a certain sort you wish to work up stock of before benching time, plant the young stock, whether 2½" pot plants or rooted cuttings, out on a good sunny bench. Don't overlook shading them a few days, especially if they have traveled a long distance. Don't be in too great a rush, it won't be long before cuttings can be taken from such stock, which, when rooted, can be planted out again. However, in justice to the introducer, it is only fair to follow as near as possible the cultural directions or remarks on the habits and peculiar characteristics which each variety seems to have. It seems almost an invariable rule to plant most of the new large fellows early, in order to have the best results, so there is danger in over as well as late propagation. Don't lose any time in ordering your stock, the sooner you have it the better.

Gloxinias

Grow at least a few of these beautiful plants. The right way is to keep the show house during the Summer months in just as good shape as during Winter. I know this is often neglected especially by the smaller grower who conducts a retail place; and yet why should this be so—because there is a let-up in business for a couple of months shouldn't be the reason, although many seem to think so. The successful man will keep the appearance of the store and showhouse up every day in the year, and while we haven't a great many plants in bloom which belong to the greenhouse during July and August, at least among the stock the average retail grower handles, there are a few, and some of them most attractive ones. We might call the Gloxinias the most beautiful of them all. They have been grown by our great grandfathers, I might even say better in those days than now. The reason for this is that we are so awfully busy making, or rather trying to make, dollars, we have almost forgotten how a watering pot looks. We are complaining if we haven't got 50 lbs. of pressure when watering; anything that can't stand that has to give way for something that can, so the Gloxinias, Gesnerias and other beautiful plants have made way for others. Someone says the reason that we don't handle them is that there is no sale for them.

Starting the Tubers

There are several methods made use of to start the Gloxinia tubers. As good a way as any, especially where only a few are wanted, is to pot them up into 3½" pots, having the tops of the tubers just visible. If a bench can be had with bottom heat in a house of about 58°, or even warmer, in two weeks' time growth will appear. Have the pots properly drained, and use a light sandy soil. Don't expose the tubers to the full sunlight; a little shade applied will prevent the drying out of the pots. The soil should be kept evenly moist—take the chill off the water. Whenever there are no facilities to give the pots bottom heat, or if short on bench room, use flats to start the tubers in and place them on the hot water returns, covering the flats with glass or other material to keep away drip from the benches they are under. The advantage of starting the tubers in pots is that the plants are not checked by potting them up afterwards, which is to be considered. We will present further cultural notes later.

Tuberous Rooted Begonias

Their Usefulness for the Retail Grower

We are using more and more of these beautiful plants each year, and while it isn't so very many years ago that we would carry 200 to 300 plants, and at the end of the bedding season would have over half left, we sold over 4000 of these plants last year and ran short long before the end of the season. In places where there is a little protection from the hot rays of the midday sun during the Summer months the Begonias are among the best of bedding plants, and pans filled with them will bloom all Summer and make ideal material for veranda decorations. Even as a window box plant in places too shady for Geraniums or other blooming plants ordinarily made use of in filling boxes the Begonias can be made use of and will do well. By shady, it shouldn't be taken for granted that the plants don't want any sun; they do, but can't stand it all day long during July and August. A window box filled with bright red begonias and English Ivy will make a show all Summer if at all taken care of, and we have had plants, 3 in a 12" bulb pan, loaded with flowers up to October, standing on a veranda with an

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Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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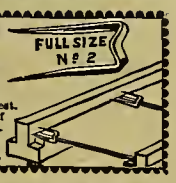

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Hot-Bed Sash
in stock or any size required.
Pecky Cypress Benches
most lasting—least expensive.
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CHICAGO.

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easterly exposure; and two large beds at Ravinia Park near Chicago, each containing about 450 plants were a mass of bloom from June until cut down by frost; these beds were admired by thousands last year; both were protected against the noon-day sun by Oak trees.

Time Now to Start Tuberous Begonias

Bulbs of Tuberous-rooted Begonias which were kept over Winter, as well as the newly imported stock, should be started now; that is, if wanted for early blooming. Whenever Easter falls near the middle of April they can be had in bloom by this time and make desirable stock for that day. Good sized plants in bloom always sell during the bedding season, and are good to have to show to a customer who wants to leave an order for some to be bedded out. Bulbs of these can be started by March 10 and will be in plenty of time even if not in bloom, in fact, they shouldn't be, the flowers which developed under glass are usually too soft for out-of doors. To start the bulbs we use flats of convenient size, about 3 inches deep. One inch of coarse soil mixed with Sphagnum moss is placed in the bottom on which is spread a thin layer of fine sandy soil. The bulbs are placed on top of this, about one-half inch apart each way, and are lightly covered with the same material. If a part of a bulb projects there is no harm done. The flats are placed on the hot water returns and, if kept moist, in about two weeks new growth appears, when the flats are removed to the light in a 55° house.

Seen at Pittsburgh

Two Noveltiea of Merit

There was but little room to spare in the exhibition hall of the American Carnation Society at Pittsburgh for anything outside of the Carnations themselves, but the Begonias and pot Carnations which were there certainly attracted much attention. The Begonias from J. A. Peterson of Cincinnati shown under the name of Pride of Cincinnati were remarkable specimens and the variety ought to prove a valuable addition to our Christmas flowering plants. I don't think this new comer will replace the Lorraine, but there is room for both. For small plants and hanging baskets the Lorraine is the more graceful, while for specimen plants the new sort will be the showiest, by far, on account of its large flowers and foliage and robust growth. The Carnation plants shown by Henry Eichholz of Waynesboro, Pa., under the name of Christmas Cheer should attract the attention of the retail grower. I counted 38 flowering shoots on one of the plants. Of what value a Carnation suitable for a pot plant would be during the Winter months we all realize. If we can get such a one, of a compact growth, medium sized but well formed flower, a free bloomer and of a healthy growth, as well as a desirable color, it means a great deal to many of us. I have no doubt that great numbers of just such have been thrown away by the men who make the growing of Carnations from seed a specialty. They have been thrown overboard, maybe, long before they had a chance to bloom, on account of their short growth. The flower of Christmas Cheer isn't exactly to my liking, there is a great deal of room for improvement, but even with that I am sure it will pay for many to grow a good stock of it for the purpose it is intended. Let us hope it will be the forerunner of others. Many plants could be disposed of in every greenhouse establishment where a retail trade is catered to. There is a great future for pot Carnations; we haven't any now among those we grow suitable for that purpose, it is a class by itself, and none of us can fully realize the number of them which could be disposed of if we had them.

Albany, N. Y.

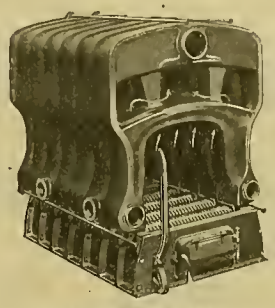
The Albany Florists' Club held its regular monthly meeting on Thursday, Feb. 3, with a fair attendance. Mr. Irwin, of Skidelsky & Irwin Co. gave an interesting talk on crêpe chasing which was enjoyed by all present. It was decided to give a smoker on next regular meeting night in the endeavor to obtain a larger attendance at meetings in the future.

Albany is to have an automobile show in March, to be held at the State Armory. Some of our florists have orders for decorations of same.

The Broadway florists have the decorations booked for the wedding of Miss Hilda Swartz, a noted Albany singer, which is to take place on Feb. 14, St. Valentine's Day.

The windows of the different retailers are abloom with Spring flowers of all kinds, and these are greatly in demand, good quality bringing good prices with ready sales. There was plenty of funeral work in the past week to use up any surplus stock which might remain on hand. W. C. K.

The Moninger-Furman Boiler



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Our New **VENT APPARATUS** Will Lift Easy 100 Feet

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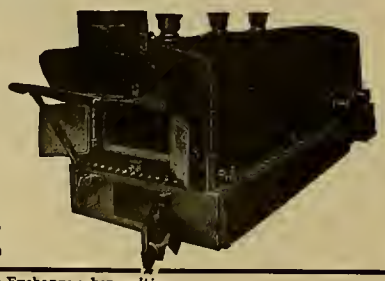

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Los Angeles

If fronds of our "Pepper Tree" (Schinus molle), are sold in any of the markets as greens they can be had by the carload annually. If cut back during the Winter they make rapid growth as soon as warm weather comes and, by October, the long willowy limbs are well furnished with foliage. The puzzle to me is, how do the handlers of this stock keep the leaves from falling? They are extensively used here for decorative purposes, but in the warm dry atmosphere of dwellings they remain fresh but for a day or two; after that they litter every place, where used, with fallen leaves.

Violets are now flooding the markets of this town, and the curbstone venders have stacks of them on sale at five cents per bunch of about 100. The ladies wear them as corsage flowers; one ambitious damsel we saw with three of these huge bushes pinned on her bodice.

Carnations, field grown, offered by this class of "florists," are so poor in quality that the wonder is they sell any at all. Ten cents a dozen is the price for them. Good ones, greenhouse grown, retail for 75c. to $1 per dozen.

Outdoor stock will improve with warmer weather. The thermometer showed two below freezing this morning (Feb. 2), and yet no frost appears on the roofs of buildings nor on plants because of the low relative humidity.

Avenue of Washingtonia robusta

I mailed you a package of seeds yesterday, which I swept from under the Palms illustrated on cover page of February issue of The Pacific Garden. [The view is of a street in Los Angeles lined on both sides with the magnificent Washingtonia robusta, the fan-leaved Palm of great size.] A score of years hence we shall have miles of just such looking avenues in this town. Then there will be profanity in abundance, because of the seeds which are borne in great abundance and litter the sidewalks for four months of the year; the gardener who is expected to keep the place tidy on a limited amount of time will have his patience severely tried. Moreover, the peduncle which bears them is four to six feet long and they, with the spathes, are showered down by a high wind to add to the litter. You will observe that the trunks are swathed in dead leaves with a coat a foot thick, which, the boys bent on mischief are liable to put a match to at any time; the result is a conflagration that disturbs a community. While not dangerous, it is disquieting to have such displays close to one's dwellings. Strange to say the fire does no injury to the tree. [Whatever the disadvantages to the resident the sight of that magnificent avenue of Palms must certainly be inspiring to the visitor.—Ed.]

Bloom Amid the Frost

The temperature on the ground yesterday morning was 29° and where there was water, it was frozen hard enough to bear the weight of a man. The Weather Bureau instrument (151 ft. above the sidewalk) showed 39°, and yet Coronilla glauca, Hardenbergias, and our exquisitely beautiful Acacias Baileyana cultriformis and podalyriæfolia, are in all their glory—which is indescribable—while Cassia tomentosum is just beginning to show its orange-colored bloom which will give us a wonderful display of flowers for four months; four weeks is about the length of time for the Acacias.

Geraniums are a mass of bloom, while the Narcissus and Oxalis families are doing their best to brighten up the landscape.

To the gardener who lives in the Atlantic States these statements may seem incredible, but are to be accounted for by the fact that on Feb. 2 the humidity at 5 a.m. was but 43 per cent.; on Feb. 3, 49 per cent. To be sure such a low temperature will drop the buds on Sweet Peas, which have not been a great success this Winter; Poinsettias have been a total failure.

The new Bean, Mucuna Lyonii (Stizolobium Lyoni), and the new Pipe Gourd are to be given a try-out by the Pasadena Gardeners' Association this season; their report will be made in due time and given to the public in these notes.

Our old friend Albert Knapper, formerly of New Jersey, sent Eastern friends a welcome to visit California. Feb. and March are the best months there; later, Nature shows green both East and West and then the coatrast is not so great.

P. D. BARNHART.

THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

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S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

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DEMAND VERY HEAVY

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Extra Bench Room

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SHELF BRACKETS—NET PRICES

Made for ¾ in. to 2 in. pipe

12 in. single - - 18c. each. 8 in. single - - 14c. each. 8 in. double - - 20c. each

When ordering give size of pipe posts

OUR VENTILATOR MACHINERY Saves, Sash—Labor—Money. Bulletin No. 22 tells you about it.

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King Iron Frame Greenhouses

No other type of greenhouse construction has been received by the trade with such flattering approval. Houses of this type, either in the course of construction or erected, cover many acres in the United States, England, Germany and France. Let us talk to you about it. **Remit small amounts in stamps or Money Order.**

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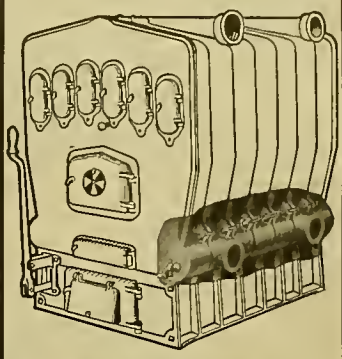
The Burnham



Has short tie bolts for each section—makes erection easy—makes tightening up joints easy—makes repairs easy—makes enlarging easy.

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Hot-Bed Sash with doubled glass. Large air space between lights. You also can arrange your old hot-bed sash for it —30c. will pay for the necessary glass-seat-moulding.

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It's time to learn all about:

SUNLIGHT Double Glass Sash TRADE MARK for Hot-beds and Cold-frames.

Write to-day to

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The double-glass with air space is a transparent blanket. Covering and uncovering saved. Plants get all the light all the time and grow strong.

Thousands in use—north, east, south, west—get our catalog. It gives valuable information. Then get some sash. They yield big returns every season for a life time.

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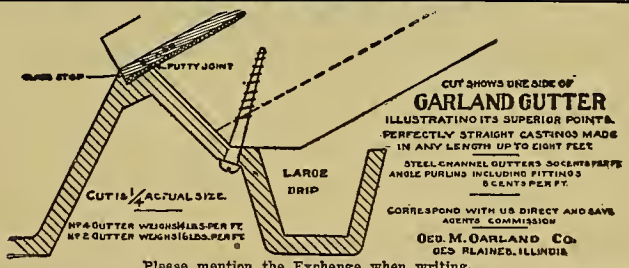

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The A. T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

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BEST ON EARTH

AND IT WON'T GET ANY NEARER THE EARTH OR ANY FARTHER FROM IT BECAUSE IT STAYS PUT WHERE IT IS PUT

We are speaking of the L. & B. Sectional Iron Frame House. The house that *never in all its quarter of a century of history has had a blow-down nor a snow cave-in.*

It's the house that can be depended upon no matter what the time of year or what the weather. It's the house with the right number of supporting columns—its frame work is not cut down to the very limit of the danger mark—it has a liberal margin of safety.

It secures to the grower the most desired of all things in greenhouse construction—a house combining the points of greatest strength and the casting of the least shade.

These are our reasons for asking you to write us whenever you are ready to take up building.

Interior of Alban Harvey & Sons' L. & B. Sectional Iron Frame house at Brandywine Summit, Pa. It is 43 feet wide and 250 long. The two rows of columns relieve the tremendous strain otherwise exerted at the ridge and eaves. It is a house that is made to withstand the shock of wind and storm.

LORD & BURNHAM COMPANY

IRVINGTON, N. Y.

NEW YORK St. James Bldg. | BOSTON Tremont Bldg. | PHILADELPHIA Heed Bldg. | CHICAGO The Rookery

crops. The ... Johnson Co. is receiving flattering testimonials as to its efficiency and jobbers are finding it a good and profitable line. The day when a round rooted "scented" could be passed on the grower is past and available plant food is what the average florist is looking for. ... one of the new 38x300-foot houses of the ... W. Peterson and N. Forty-eighth avenues, collapsed January 4. The house went down in sections, only about 40 to 50 feet of it being left standing. This is a serious mishap, as the carnations were just in full cut, but the builders at once took the responsibility of replacing the house to satisfaction.

Florist Exchange 8/10

...nd they each ain... ...stock which differs from ... of the other. The two lots come ... to the seedsman, are mixed and sold, and so the variation is increased.

(To be continued)

PHILADELPHIA NOTES.

The Christmas snow storm caught the ... unawares as to coal. By herculean efforts enough to keep going was wallowed through the snow. A small cave-in of a section of the greenhouse plant was an incident.

The newspapers of the country have circulated everywhere the news of the trying affliction and bitter distress which has come to that honored representative of the seed

Florist Exchange Jan 8/10

preparations were now in full swing for a good ... business. Geo. Crawford ... the new conservatories very handy during the great holiday rush, and ... not know how other ... stood without such necessities. He is distributing a very ... calendar to his customers.

The recent unprecedented snowstorm caused much damage to old greenhouses; among those which were broken down were three houses of the ... Collingdale, Pa., which fortunately contained stock which was but little damaged by the snow. Many other ... florists also ... etc. Coal ... florists on a ... volved; one ... a barrel of ... ing, on acco... Chas. H. ... ave. has a f... his houses, a ...dous utilis... ...ess as very ...eparing stock ...endar is be... ...T. Habern... recently

florists also ... etc. Coal ... florists on a ... volved; one ... a barrel of ... ing, on acco... Chas. H. ... ave. has a f... his houses, a ...dous utilis... ...ess as very ...eparing stock ...endar is be... ...T. Habern... recently

Florist Exchange 8/10

LILACS—DAFFODILS—YELLO... ...ONETTE—WHITE, PINK and L... ...VIOLETS—CATTLEY...

Next Week—The Novelties and Specialties for 1910

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 8 NEW YORK AND CHICAGO, FEBRUARY 19, 1910 One Dollar Per Year

Wilder Hall M.A.C. Amherst Mass

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of the different varieties of

NEPHROLEPIS

which will be found one of the best-selling and most profitable plants that florists can handle. Our stock is in unusually fine shape, and we will guarantee it will please the most exacting, as it is exceptionally good value at the prices quoted.

Improved Elegantissima. The finest of all this type. It was introduced by us in 1905. This form of Elegantissima has been greatly improved, and shows no tendency to revert to the Boston, making it the most valuable fern of this type.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8-in., $12.00 to $18.00 per dozen—according to size.

Superbissima. Introduced by us in 1908. A very unique and distinct novelty. Its distinguishing characteristics are its dark green foliage and dense growth. Fronds are very heavily imbricated, making them very dense and compact.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8 in., $12.00 to $18.00 per dozen—according to size.

Bostoniensis, Piersoni, Whitmani, Scottii—Extra fine plants, 6-in. pots, $6.00 per dozen; 8-in. pans, $12.00 per dozen.

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WHITE KILLARNEY (Waban Strain)

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.50 "	8.00 "	75.00 "

KILLARNEY

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

MY MARYLAND

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	6.00 "	50.00 "

RICHMOND, KAISERIN, BRIDES and 'MAIDS

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

NEW CARNATIONS

From 2¼-inch pots. Immediate Delivery.

Alma Ward, $3.00 per doz., $5.00 for 25, $10.00 for 50, $16.00 for 100.

Mrs. C. W. Ward, $2.00 per doz., $14.00 per 100.

CHRYSANTHEMUMS

For immediate delivery. **Mrs. W. E. Kelley, Gloria, President Taft, Polly, Merry Jane, Dolly Dimple.** From 2¼-in. pots, **$10.00** per 100, **$90.00** per 1000.

We have a large stock of **Pacific Supreme** and **Golden Glow** ready for shipment from 2¼-in. pots, **$3.00** per 100, **$25.00** per 1000.

BEDDING PLANTS

Coleus, Salvia, Alternanthera, Heliotrope, Ageratum. Now ready.

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I am now booking orders for Rose stock. Have exceptionally fine plants to offer this season, the scions having been taken from good, strong flowering wood and grafted on extra selected Manetti stocks. My own root stock is also in first class condition and includes the following varieties:

Killarney, Richmond, White Killarney (Waban strain), **My Maryland, Kaiserin, Bride and Bridesmaid.**

Send for prices.

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Our Special Collection of 1000 from 2-inch pots for $18.50 per 1000 in 20 of the very best distinct semi-double varieties, is a collection that will rank second to none in the country; the same number of varieties in 3-inch pots for $25.00.

One each of 50 varieties European 1909 Novelties, our selection, for $5.00.

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HARDY CHRYSANTHEMUMS. We have the largest collection in the country. $2.00 per 100 from 2-in. pots, not less than 5 of a kind.

CANNA ROOTS. Strong division, $1.75 to $2.50 per 100, $18.50 per 1000.

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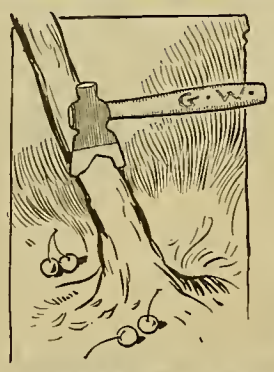

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	100	1000
Clean, bright bulbs, 4-6.	$1.00	$8.00
CALADIUMS, medium .	8.00	
BEGONIAS, SINGLE, white, red, rose, yellow, orange	2.50	
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ASTER, Perfection, in colors.....	.25	1.25
BEGONIA Vernon	.25	2.50
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COBÆA SCANDENS	.15	.40
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SINGLE
1¼ to 1½ inches
Scarlet, Dark Red, Pink, Rose, White, Yellow, Orange, Salmon, Mixed
40c. per doz., $2.50 per 100

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65c. per doz., $5.00 per 100

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Booklet containing suggestions on *Forcing Gladioli* free on request

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Single and Double TIGERS
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PETUNIA, Large Flowering Double Fringed. Trade pkt. $1.00. Single Fringed. Trade pkt. 50c. Single California Giants, 50c.
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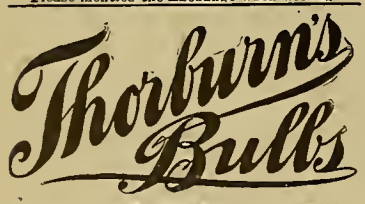

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SEED by the oz. or lb. **PANSIES** PLANTS 150,000

The Jennings Strain, fine field-grown plants, large-flowering, in great variety of fancy colors. Strong plants for cold frames, $3.00 per 1000, by express, 50c. per 100 by mail.

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SALVIA, Splendens and Bonfire. My Own Growing. Trade pkts. 25c. and 50c. each.

E. B. JENNINGS, Lock Box 254 Southport, Conn.
Grower of the Finest Pansies

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PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

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For Florists

The highest developed types from the leading American and European specialists.

QUEEN OF THE MARKET

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Light Blue...		.20	.60
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White.....		.20	.60
Mixed.....		.20	.60

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Flowers measure four to five inches across.

	Tr. pkt.	Per oz.
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Pink	.25	1.25
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CALADIUM esculentum, Fancy Caladium from Brazil. GLADIOLI, all sorts. Japan IRIS. Japan LILIES. Double-flowering CHERRIES for Easter. Send for our new Spring list. Ready by January 10.

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FAMOUS ASTER
LADY ROOSEVELT

Gorgeous Pink, 20 to 40 inch stems, scientifically grown and separated seed. Oz. $5.00, ½ oz. $3.00, trial pkt. 50c.

Aster Seed in mixture, best colors, and ¼ Roosevelt. Oz. $1.00.

GLEN MAWR SEED FARMS, Kinzers, Pa.

Please mention the Exchange when writing.

Tuberoses
True Dwarf Pearl

1st Size, 4-6 inch, 90c. per 100; 1000, $7.50; 5000, $35.00.

Medium, 3-4 inch, 60c. per 100; 1000, $4.00; 5000, $17.50.

Mammoth, 6-8 inch, $1.50 per 100; 1000, $12.00

Vaughan's Seed Store
25 Barclay Street, NEW YORK
84-86 Randolph Street, CHICAGO

Please mention the Exchange when writing.

FRESH TESTED
VEGETABLE AND FLOWER SEEDS for Store Trade

In lithographed packets, with directions for cultivation on the reverse side of the packet.
Send for list of varieties and prices.

GOELLER BROS., Seedsmen,
159 HAMILTON AVE., TRENTON, N. J.

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Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
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HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Stock Seed
FiSKe's Branching in all colors. Tr. pkt. 40c., oz. $4.00.
Pure White, tr. pkt. 50c., oz. $5.00.
Also Beauty of Nice strains.
H. E. FISKE SEED CO., Boston, Mass.

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GET QUOTATIONS FROM
LANDRETH SEEDS which SUCCEED
Bloomsdale Farms **Bristol, Pa.**

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Surplus Peas and Beans

18 Bush. Peas, Telephone; Crop 1908.
4 Bush. Beans, Golden Wax; Crop 1908.
2 Bush. Beans, Wardwell's Kidney Wax; Crop 1908.
4 Bush. Beans, Refugee, or 1000 to 1; Crop 1908.
2 Bush. Beans, Wardwell's Kidney Wax; Crop 1909.
6 Bush. Beans, Detroit Wax; Crop 1909.
2 Bush. Beans, Ex. Ey Rd. Pod Red Valentine; Crop 1909.
2 Bush. Beans, Refugee, or 1000 to 1; Crop 1909.
2 Bush. Beans, Burpee's Bush Limas; Crop 1909.

A. V. D. SNYDER, Seedsman, RIDGEWOOD, N. J.

Please mention the Exchange when writing.

CAULIFLOWER SEED
CABBAGE SEED
MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS

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Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of
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CABBAGE

Wakefield and Succession, $1.00 per 1000, $8.50 per 10,000.
PARSLEY, 25c. per 100, $1.25 per 1000.
LETTUCE, Big Boston, Boston Market and Grand Rapids, $1.00 per 1000 Cash with order.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

Please mention the Exchange when writing.

ONION SEED == ONION SETS

We are large growers of and dealers in Onion Seed and Onion Sets.
Write for prices on 1909 crop.
Can also quote contract prices for the 1910 Onion Seed crop.

SCHILDER BROS., Chillicothe, O.

Please mention the Exchange when writing.

SPLENDID SEED OF
Phoenix Roebeleni
JUST ARRIVED
Price on application to
SANDER, BRUGES, BELGIUM

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS
ALL COLORS
SEND FOR LIST
ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

WARD'S LILY BULBS

"NOT HOW CHEAP— BUT HOW GOOD"

RALPH M. WARD & CO.
12 West Broadway—New York

Please mention the Exchange when writing.

AMERICAN SEED TRADE ASSOCIATION

President J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec. Leonard H. Vaughan, Chicago.

IMPORTS, ETC.—February 8.—Wakem & McLaughlin, 300 bags sugar Beet seed; Maltus & Ware, 19 barrels grass seed; A. T. Boddington, 37 barrels grass seed; Batchelor Seed Store, 24 barrels, grass seed; F. B. Vandegrift & Co., 32 bags grass seed; Wells Fargo & Co., 9 cases plants; Vaughan's Seed Store, 17 bags seed; American Express Co., 5 bags seed; Vaughan's Seed Store, 2 cases bulbs; Wakem & McLaughlin, 1 case bulbs. February 9.—Merchants Deposit Co., 1 case seeds; Vaughan's Seed Store, 3 cases seeds. February 11, 12, 13.—McHutchison & Co., 61 cases plants; H. F. Darrow & Co., 20 cases plants; R. F. Lang, 1 case plants; J. B. DeFriest, 123 bags seed; P. Henderson & Co., 118 packages seed; H. F. Darrow, 101 packages seeds; American Express Co., 1 case plants. February 14.—Watlington & Conyers, 1 case seeds; Wells Fargo & Co., 8 boxes bulbs.

European Notes

Less rain has fallen during the week just closing and the floods in unhappy Paris already show signs of abatement.

Out in the West our growers have not suffered quite so severely, but very much land and large acreages of plants for seed are still lying under water and mud. The last named is the worst, as while the water may clear off, the mud sticks fast. This especially applies to the Mangel plants which are still in the open and are consequently lost to such an extent that the growers are already exacting higher figures before transplanting in fulfillment of contracts already accepted. It is, of course, quite reasonable for them to demand an advanced price for any extension of the same.

As regards Radish for 1910 harvest, the growers remain immovable except at the prices we are accustomed to insert in our retail catalogs. A few of the more reasonable among them offer to accept from their old friends a very small percentage of their usual acreage, to be delivered at market prices at time of harvest; and while this leaves the matter in a state of glorious uncertainty, it seems to be the only reasonable solution of the present difficulty. Obviously, therefore, dealers must decline to accept any further contracts, except on this basis.

The English and German growers will doubtless increase their cultures of this article, but they can hardly compete with the French growers, so far as the forcing

THE AMERICAN CARNATION
By Peter Bisset

Price $3.00. Send for Sample Pages

A. T. De La Mare Ptg. and Pub. Co., Ltd., 2 to 8 Duane Street, NEW YORK

RAWSON'S RENOWNED SPECIALTIES

FOR FLORISTS

DAHLIAS

To clear a large surplus, we give Florists the first opportunity to purchase some of our latest Dahlias at remarkably low prices. The following list is only an extract from Rawson's florists' catalogue.

Cactus Dahlias

	Per 10	100
Alfred Vasey, pink	$0.75	$6.00
Alpha, white, striped crimson	1.00	8.00
Ambassador, pure white	1.00	8.00
Amos Perry, scarlet	1.00	9.00
Antelope, yellow	.75	6.00
Aschenbroedel, pink	.90	7.00
Blutenregen, scarlet	.75	6.00
Bornemann's Liebling, pink	1.00	9.00
Brautjungfer, pink	1.00	9.00
Charm, pink	1.50	12.00
Citizen, maroon	1.20	10.00
Clara G. Stredwick, pink	.85	7.00
Comet, pink, striped red	.75	6.00
Country Girl, golden	1.20	10.00
Crayfish, scarlet	1.00	9.00
Crepuscule, orange yellow	1.00	9.00
Dainty, yellow and pink	1.00	9.00
Das Marchen, pink	1.50	12.00
Delicata, blush	1.00	9.00
Die Unschuld, cream	1.20	10.00
Edith Groom, white	.75	6.00
Else, salmon pink, suffused yellow	1.00	9.00
Epopee, crimson	1.00	9.00
Feronia, soft pink	1.20	10.00
F. R. Chapman, yellow and orange	1.00	9.00
Floradora, crimson	1.00	9.00
Gaillard, deep red	1.00	9.00
Gladiator, deep apricot	1.00	9.00
Goldfasan, apricot	1.00	10.00
Grenadier, orange pink	1.00	9.00
Harbor Light, vivid orange	.90	7.50
Helene, pink	1.00	9.00
Holsatia, orange scarlet	1.00	8.00
H. Shoesmith, crimson scarlet	1.00	9.00
H. W. Sillem, scarlet	1.00	9.00
Imperator, crimson	1.00	8.00
Ivanhoe, straw color	1.00	9.00
J. H. Jackson, maroon	1.00	9.00
Kriemhilda, pink and white	.60	4.00
Lauretta, yellow edged rose	.75	6.00
Laverstock Beauty, vermilion	.90	7.50
Lovely Eynsford, amber	1.00	9.00
Miss Dorothy Oliver, white	1.00	9.00
Mrs. De Luca, yellow	1.00	9.00
Mrs. H. Shoesmith, pure white	1.20	10.00
Oliver Twist, scarlet	1.00	9.00
Orion, rosy mauve	.90	7.50
Persephone, white	1.00	9.00
Phineas, scarlet	1.00	9.00
Pink Pearl, pink	1.00	9.00
Pink Perfection, rose	1.00	9.00
Princess, deep pink	1.00	9.00
Rainbow, soft pink	1.00	9.00
Roland von Berlin, scarlet	1.00	9.00
Rosea Superba, pink	.90	7.50
Rosy Morn, peach color	1.00	9.00
Ruby, crimson	.75	6.00
Schone Rose, deep rose	1.00	9.00
Schwan, pure white	1.50	12.00
Standard Bearer, crimson	1.00	9.00
Stella, crimson	.75	6.00
T. G. Baker, yellow	2.00	16.00
Wm. Cuthbertson, bright rich crimson	1.00	9.00
Wunderkind, delicate pink	1.00	9.00
Zaunkoenig, scarlet	1.00	9.00
Zephyr, rosy pink	1.00	9.00

Not less than 10 of a kind will be sold at the above prices. Single specimens at retail prices less 25 per cent.

To enable florists to have a grand collection of these beautiful flowers we are willing to furnish a collection of one each of one hundred varieties at a net total of $12.00.

Decorative Dahlias

	Per 10	100
Alphonse Isore, scarlet	$1.50	$12.00
Beauty of Kent, red and white	1.00	9.00
Camellia, orange scarlet	.75	6.00
Catherine Duer, crimson	.90	7.50
Fireking, scarlet	.75	6.00
Gigantea, yellow	1.00	9.00
La France, pink	1.50	12.00
Mrs. Roosevelt, pink	1.20	10.00
Papa Charmet, maroon	1.20	10.00
Perle de la Tete d'Or, white	1.00	9.00
Souvenir de Gustave Doazon, scarlet	1.00	9.00
W. W. Rawson, delicate lavender	6.00	
Yellow Colosse, yellow	6.00	

Not less than 10 of a kind will be sold at the above prices. Single specimens at retail prices less 25 per cent.

FLOWER SEEDS

SALVIA SPLENDENS

	¼ oz.	Oz.
Grandiflora	$0.25	$1.50
The best tall Salvia in the market.		
Compacta	.40	2.50
Bonfire	.40	2.50
Hardly any foliage, but masses of flowers.		
Lord Fauntleroy, very dwarf	.75	4.00
Maroon Prince, deep maroon	.75	5.00
Fire Ball, most intensely colored	.75	5.00
Silver Spot, leaves spotted, very attractive	.25	1.50

Zurich. The best salvia yet introduced. Plants grow very compact, show little foliage and bear heavy flower spikes, which are thickly laden with bright scarlet flowers. Flowers early in July and remains in bloom with later varieties. ¼ oz. 75c., oz. $5.00.

Patens. (Blue Salvia). 1-16 oz. $1.00.

Salvia Splendens. King of Carpets. The best dwarf bedding Salvia on the market today, outrivaling even "Zurich." The plants branch from the bottom and to such extent that the main stem is never visible. All side branches droop completely to the ground, making the whole plant a perfect half ball of fire. The plant grows but 15 inches high and flowers even earlier than "Zurich." ¼ oz. $1.00, oz. $6.00.

The veteran Salvia grower, Mr. F. Bedman, says: "About the Salvia, 'King of Carpets.' It has done very well considering the dry weather that we have had, and I consider it one of the grandest dwarf salvias that I ever saw."

AGERATUM

Extensively raised as a pot plant and used for edging.

	¼ oz.	Oz.
Lasseauxi	20c.	$0.60
Mexicanum		.15
Album. Large flowering white		.25
Blue Perfection		.30
Dwarf Imperial White		.25
Dwarf Imperial Blue		.25
Dwarf Swanley Blue		.30
Dwarf Little Dorritt		.25
Dwarf Little Blue Star, 1-16 oz. 75c.		

ANTIRRHINUM

A most valuable plant for the cut flower market, easily grown and very profitable; we have been careful to select but such colors as are ready sellers.

RAWSON'S TALL GIANT. This strain grows three to four feet high and is covered about two-thirds with gigantic flowers of grace and beauty. ¼ oz.

	Oz.
Finest Mixed	$0.40
White	$0.25 .75
Scarlet	.20 .60
Yellow	.20 .60
Dark Rose	.20 .60
Delicate Pink	.20 .60
Coral Red	.25 .75

ASTERS

Rawson's New Midsummer Aster

The colors are true and hardly any open-centered flowers among them.

	¼ oz.	Oz.
Pure White	$0.60	$2.00
Delicate Shell Pink	.60	2.00
Royal Purple	.60	2.00
True Lavender	.60	2.00
Bright Rose	.60	2.00
Finest Mixed	.50	1.50

Aster, Rawson's Late Branching. Flowers are very large in size and borne on long, stiff stems. It is one of the best and most popular varieties for late flower markets.

	¼ oz.	Oz.
Finest Mixed	$0.25	$0.75
Crimson	.30	1.00
Dark Blue	.30	1.00
Light Blue	.30	1.00
Rose Pink	.30	1.00
Shell Pink	.30	1.00
Scarlet	.30	1.00
White	.30	1.00

Dawn of Day. (Novelty, 1908). The earliest flowering Aster in existence. Fine white, perfect in form and growth, long branching stems and flowers; often three weeks ahead of Queen of the Market. It is of branching habit and very full and if freely cut will continue to bear blooms until late in Fall. ¼ oz. 50c., oz. $3.00.

Rawson's Daybreak. This variety must not be compared with the strain offered elsewhere and a trial will convince the ever-so-critical of its superiority. ¼ oz. 40c., oz. $2.50.

Rawson's Purity. (Pure white.) Of the same type as Daybreak, differing only in color, which is a pure glistening white. Just as free-flowering and symmetrical as Daybreak and undoubtedly unsurpassed as a white bedding variety. ¼ oz. 50c., oz. $3.00

Rawson's Queen of the Market Aster. The best early Aster for the Florist, quality being very much improved.

Finest Mixed, ¼ oz. 15c., oz. 60c.

Crimson, Dark Blue, Light Blue, Rose, Peach Blossom, White. ¼ oz. 20c., oz. 60c.

W. W. RAWSON & CO., Boston, Mass.

Please mention the Exchange when writing.

varieties are concerned. The later and more robust varieties can be grown quite as satisfactorily in these countries as in France.

The P. L. M. Railway from Paris to the South announce that they will commence running some of their most important trains in a couple of days; this will, we trust, enable us to see something of our seeds from the neighborhood of the *Basses Alpes* that have been hung up no one knows exactly where for the past three weeks.

Incidentally, it may be interesting to mention that Mons. Phillipe de Vilmorin was to have visited London on Jan. 29, to preside at the twenty-first annual dinner of The Société Française d'Horticulture de Londres, but having some nine feet of water in his Parisian residence he was unable to fulfil his engagement. A collection taken up in the room on behalf of the sufferers realized about $500.

In M. de Vilmorin's enforced absence the chair was occupied by M. T. A. Laurence de Lalande, French Consul General in London.

In regard to belated shipments of the present season's goods, it is extremely provoking, after we have moved heaven and earth, well nigh, in our efforts to get the goods ready for shipping, to be told that the ships are fully loaded with wool and cannot take a bag of seed on board. This, of course, only applies to the lines that quote very low rates of freight, but these are the most freely patronized by our friends. In this case the fault is not ours, but doubtless we shall have to bear the blame. EUROPEAN SEEDS.

American Notes

Trade Steadily Increases

Just for a few days the snow storm has halted trade, but every day now is bringing us nearer and nearer to the time when nothing will interfere with the rush of the seed selling season. The feeling is very general among seedsmen, and planters of seeds as well, that the season just opening will be one of the most active experienced in years. So widespread is the knowledge that seeds of practically every variety are in short supply, that early buying is sure to be a most marked feature this year; and if early buying materializes to the large extent now expected more seeds will be disposed of before the first of April than ever before. Mail business on the whole may be said to be quite a little larger than a year ago, even if the catalogs were somewhat late in being sent out. Wholesale trade is good in spite of the high rates being charged. Counter orders are gathering headway with each succeeding day. The private gardeners are placing their seed orders much more freely than ever before, and several of the larger seed houses who make a specialty of this line say, that the individual orders are averaging much larger. Every member of the seed line is now occupying his time either putting up orders or finishing the last packaging for the season; the time for the commencing of the seedsmen's rush is very near now.

The Full Measure Bean

Among the newer varieties of dwarf or bush Beans that are being extensively advertised this season, none is more worthy than the Full Measure. The green pods of this sort are round and long, many of them measuring five inches in length, and perfectly stringless. The quality is of the first rank, being very tender and retaining this feature even after the pods have matured. It is one of the newer varieties that the best informed seedsmen are, with one accord, speaking well of and prominently listing. It will please customers very much.

The Sugar Pumpkin

It has of late years come to be very generally recognized among the seed trade that some of the most neglected varieties make oftentimes the best subjects for extensive exploiting as specialties. One of the best examples of this is perhaps the bringing to prominent notice, by many seedsmen, during the last few seasons, of the old favorite New England pie Pumpkin. This sort has, almost from time immemorial, been greatly esteemed in the East, but almost unknown, comparatively, elsewhere. For pie making the small sugar, or New England pie Pumpkin cannot be excelled. The Pumpkins themselves are small, but very sweet, fine-grained, and simply superb in quality. The skin is deep orange, and the flesh a rich yellow. Such describes this neglected vegetable, which is now beginning to be most prominently illustrated and described by many of the largest seedsmen all over the country, in their annual seed catalogs.

J. BOLGIANO & SON

WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS

BALTIMORE, MD.

Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO.
BOSTON, MASS.
SEEDS
For Florists, Market Gardeners and Critical Buyers
Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.

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FRESH MUSHROOM SPAWN

ENGLISH AND AMERICAN

VAUGHAN'S SEED STORE
CHICAGO — 84 Randolph Street
NEW YORK — 25 Barclay Street

Please mention the Exchange when writing.

Watch for our Trade Mark stamped on every brick of Lambert's
Pure Culture Mushroom Spawn
Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address
P. C.
Trade Mark American Spawn Co., St. Paul, Minn.

Please mention the Exchange when writing.

LARGE-FLOWERING BEGONIAS

Our stock of these bulbs embraces the best and finest strains in existence.

SINGLE VARIETIES
1¼ to 1½ in. bulbs.

	Doz.	100
Scarlet	$0.36	$2.25
Dark Red	.35	2.25
Pink	.35	2.25
Rose	.35	2.25
White	.35	2.25
Yellow	.35	2.25
Orange	.35	2.25
Salmon	.35	2.25
Single Mixed	.35	2.25
Double Mixed	.60	4.50

The Moore Seed Company,
339 Market Street, Philadelphia, Pa.

Please mention the Exchange when writing.

60,000 GLADIOLUS BULBS

¾ to 1¼ at $2.00 per 1000, 1¼ to 1½, $4.00 per 1000, 1½ and up, $5.00 per 1000. Mixed Colors Gandavensis and Lemoine. All kinds of Vegetable Plants. Contract growers of Tomato and Pepper Seed, and Asparagus Roots.

I. & J. L. LEONARD, Iona, N. J.

Please mention the Exchange when writing.

Plant Names, Pronunciation of

This handy little book furnishes a key of the pronunciation of some 4,360 names of cultivated plants, genera and species, and will be found valuable as furnishing a standard to which to refer by all who desire to be correct when they speak of plants. Sent postpaid, on receipt of Fifty cents. Address, The Florists' Exchange, P. O. Box 1697, New York.

Dreer's Superb American and Imported Asters

We take special pains to secure only the very choicest Asters and feel sure nothing better in quality can be had at any price. Our stock of American varieties are grown under our own supervision, while the Imported sorts are procured from the most reliable sources.

Crego's Giant Comet Aster

Dreer's Superb Late Branching Asters

The finest Aster for late August and September blooming.

The plants form strong, branching bushes, 2 to 2½ feet high, bearing on long, strong stems their handsome Chrysanthemum-like flowers, which, under ordinary cultivation, average 5 inches across. The form of the flowers, together with the length of the stems, places them at the head of Asters for cutting. They come into bloom from two to three weeks after the average type, usually being at their best during September.

	Trade pkt.	Oz.
Azure blue. A rich deep lavender	$0.25	$1.00
Pure White. Extra fine stock..	.25	1.00
Shell Pink. An exquisite shade.	.25	1.00
Rose Pink. A very desirable color	.25	1.00
Deep Rose. Rich and brilliant..	.25	1.00
Deep Purple. Royal deep blue..	.25	1.00
Lavender. A pale greyish-lavender	.25	1.00
Crimson. Very rich	.25	1.00
Finest Mixed. All the colors...	.25	.75

Dreer's Superb Late Branching Aster

Crego's Giant Comet Asters

Magnificent fluffy flowers, averaging over 5 inches across, with long strong stems; the finest of this type. Comes into bloom in August, continuing well into September, and, unlike most of the Comet sorts, stands when cut and is a good flower to ship. We offer two colors, our own saving, of the highest quality.

	Trade pkt.	Oz.
Shell-pink	$0.40	$2.50
Snow-white	.40	2.50

Dreer's New Aster "Pink Beauty"

A magnificent cut-flower variety, in bloom from early August until well on in September; 24 to 30 inches high; flowers average 4 inches across, on long, strong stems. Color a delicate blush pink, and pronounced by experts to be the finest pink midseason sort yet introduced. 50c. per trade pkt., $4.00 per oz.

Late Aster "Violet King"

A new and distinct color in the Late Branching class, fine large double flowers of a pleasing shade of violet, a strong, free grower and very free flowering. 40c. per trade pkt., $2.00 per oz.

Early Wonder Asters

This is the earliest Aster in cultivation, being in full bloom when Queen of the Market is only in bud, frequently coming into bloom in late June. Very valuable for cutting.

	Trade pkt.	Oz.
White. Pure glistening white	$0.40	$2.00
Pink. A good, clear pink	.40	2.00

Dreer's New Late Aster "Crimson King"

A superb new late-branching variety, with perfectly double flowers of rich, rosy crimson, full of fire. Fine for cutting, showing up well under artificial light. 50c. per trade pkt., $3.00 per oz.

Queen of the Market Aster

Four Fine American Asters

Daybreak. Of symmetrical growth; attains a height of 18 inches, and produces during August, perfect globe-shaped flowers, of a delicate pink tint. 60c. per trade pkt., $2.50 per oz.

Lavender Gem. One of the most beautiful Asters. Of Comet type, with large artistic, loosely-arranged flowers of the most charming shade of lavender imaginable. 50c. per trade pkt., $2.50 per oz.

Snowdrift. A most valuable variety, coming into flower in July, with superb plumy snow-white flowers of the Ostrich-feather type. 50c. per trade pkt., $2.50 per oz.

White Fleece. One of the largest and most perfect of the Comet type, bearing flowers 6 inches and over across, formed into a plumy globe of glistening white. Blooms in August. 50c. per trade pkt., $2.50 per oz.

Imported Asters

QUEEN OF THE MARKET ASTERS.
The best and most popular early Aster.

	Trade pkt.	Oz.
White	$0.20	$0.60
Lavender	.20	.60
Pink	.20	.60
Bright rose	.20	.60
Purple	.20	.60
Crimson	.20	.60
Mixed	.16	.50

PAEONY PERFECTION ASTERS.
A splendid mid-season variety.

Crimson	.30	1.50
Light blue	.30	1.50
Brilliant rose	.30	1.60
Purple	.30	1.60
Bright pink	.30	1.60
Pure white	.30	1.60
Finest Mixed	.25	1.25

OSTRICH FEATHER ASTERS.
A mid-season type with large fluffy artistic flowers.

White	.30	1.60
Lavender	.30	1.60
Bright rose	.30	1.60
Salmon pink, extra fine	.30	1.50
Violet blue	.30	1.50
Vivid crimson	.30	1.60
Mixed	.30	1.26

HENRY A. DREER, Specialists in Seeds, Plants and Bulbs Philadelphia

Please mention the Exchange when writing.

Nursery Stock

Those seedsmen who do not catalog a regular department of nursery stock should most certainly make arrangements with some good nursery to fill for them what orders in this direction they are sure to receive just as soon as the planting season opens. Every dealer in seeds has calls for nursery stock, and such orders can be handled most satisfactorily to both seedsman and purchaser, if suitable plans for such business have been perfected before the season starts. All such orders are packed at the nursery, and delivered to the seedsman in such shape that all he finds necessary to do is to change the tag on same and forward to destination. Such orders make a very nice adjunct to any business, and are quite profitable, if proper arrangements have been made. V.

New York Seed Trade

The past week has added greatly to the activity of the seed trade. Had it not been for the severe snowstorm, counter business would have been even heavier, and it is much ahead of last year as it is. The seed selling season is starting with a rush here.

Vaughan's Seed Store is beginning to be a most busy place these days; the new corner location at 25 Barclay st. is certainly "just the place" for a very large transient business.

Charles MacTaggart has resigned his position in the vegetable seed department of J. M. Thorburn & Co., and connected himself in the automobile line at Newark, N. J. Mr. MacTaggart's friends, and he has many in the trade, wish him the greatest success in his new departure.

Direct Importations

AT FOREIGN GROWERS' PRICES

From BELGIUM **From HOLLAND** Palms, Araucarias, Bay Trees, Azalea Indica, etc. Boxwood, Rhododendrons, pot grown Shrubs for forcing, etc., etc.

From GERMANY Valley Pips. Early or late forcing.

From ENGLAND English Manetti selected for grafting.

From JAPAN Lilium Longiflorum, Giganteum, Multiflorum, etc.

Full list of Japanese, Holland, English and French Nursery Stock

Write for catalogues, special lists, etc., mentioning the class of stock you are interested in.

RAFFIA 5 grades. Bale lots only.

Our business is import and wholesale only. Don't write unless you use sufficient to make direct separate importations

McHUTCHISON & CO.

17 MURRAY STREET Please mention the Exchange when writing. **NEW YORK**

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Asparagus Plumosus Nanus

We Are Headquarters, Greenhouse Grown Seed, Extra Quality

100	Seeds	$0.50
500	"	2.00
1000	"	3.50
5000	"	16.00
10,000	"	30.00
25,000	"	70.00

Headquarters For Cold Storage

LILIUM GIGANTEUM

Orders booked now for Summer delivery. Extra fine stock

300 Bulbs per case, $80.00 per 1000

JAPANESE FERN BALLS

Large size	Each, $0.30	Doz., $3.25	100, $25.00	1000, $225.00
Medium size	" .25	" 2.50	" 18.00	" 175.00

Henry F. Michell Co., 10th and Market Sts., Philadelphia, Pa.

Please mention the Exchange when writing.

Orchid-Flowered Sweet Peas

DREER'S SWEET PEAS

We give below a short list of the best kinds for Florists' use. For complete list see our Wholesale Catalogue.

Orchid-flowered Varieties

	¼ lb.	Lb.
Countess Spencer (true). A lovely clear pink	$0.30	$1.00
Florence M. Spencer. Delicate blush with pink margin	.30	1.00
Frank Dolby. Largest pale lavender	.30	1.00
Gladys Unwin. Charming pale rose-pink	.10	.35
George Herbert. Rich rose carmine	.30	1.00
Mrs. Alfred Watkins. Superb pale pink	.15	.50
Nora Unwin. A magnificent white	.15	.50
Primrose Spencer. Primrose or creamy yellow	.15	.50
White Spencer. A pure white Countess Spencer of very large size	.15	.50

Standard Varieties

Blanche Ferry. Pink and white	.10	.20
Dorothy Eckford. The finest standard white	.10	.25
Earliest of All. Re-Selected. Same color as Blanche Ferry, but a week earlier than the extra early type, fine for forcing	.15	.50
Emily Henderson. Purest white	.10	.20
Flora Norton. The clearest and most pronounced bright blue	.10	.30
Hon. Mrs. E. Kenyon. The finest primrose yellow yet introduced	.10	.25
Janet Scott. A large and bright pink	.10	.25
Katherine Tracy. Brilliant pink	.10	.25
King Edward VII. Rich, deep crimson scarlet	.10	.25
Lady Grisel Hamilton. Pale lavender	.10	.25
Lord Nelson. Improvement on Navy Blue Color, rich navy blue	.10	.30
Lovely. Shell pink, extra fine	.10	.25
Miss Willmott. Rich, deep orange pink	.10	.25
Mont Blanc. An early-flowering white, for forcing	.10	.35
Mrs. George Higginson, Jr. Clear azure blue	.10	.25
Mrs. Walter Wright. Deep mauve	.10	.35
Othello. Dark chocolate red	.10	.25
Prima Donna. Deep pink, fine	.10	.25
Prince of Wales. Deep rose	.10	.25
Salopian. Rich deep scarlet	.10	.25

HENRY A. DREER, Seeds, Plants and Bulbs **Philadelphia**

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219 Market Street

Philadelphia

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F. E.—The Best Advertising Medium

Charles Loechner, of the Yokohama Nursery Co., who broke his leg at Christmas time through falling on the ice, is recovering as rapidly as could be expected.

Maurice Fuld, of W. W. Rawson & Co., Boston, Mass., was among our visitors the past week. Mr. Fuld is as enthusiastic as ever regarding Dahlias and Gladioli. He feels confident that it will be a great year for these, and in fact all Spring bulbs.

The Stumpp & Walter Co. have the past week been receiving many orders for Begonia bulbs, of which they have a very fine stock. Gloxinia bulbs have also been in active demand, with the result that many more than usual have been disposed of.

At Boddington's, trade has started in real earnest, and the whole force have their hands full every minute. A most encouraging commencement to the season's business has certainly been made. This house is booking orders in very large volume for Cannas; the sales in this line will aggregate this season some eight hundred thousand roots.

William Elliott & Sons have been disposing of a great many small table Ferns at 60 cents per dozen; they have found ready purchasers.

Burnett Brothers report that their private trade is, so far, very much larger than a year ago.

Boston Seed Trade

Maurice Fuld, manager for W. W. Rawson & Co. has been thaee days in New York on a business trip. He reports that Gladiolus Augusta is very scarce all over the country.

John Russell is in the Mass. General Hospital, recuperating from an operation for appendicitis. Mr. Russell is one of the salesmen at W. W. Rawson's.

H. Buck, formerly with Arthur Boddington Co., New York, is now employed by the W. W. Rawson Seed Co.

R. C.

A Progressive New Zealand Seed House

Messrs. F. Cooper, Ltd., seedsmen and horticulturists, have just completed and moved into their new building in Wellington, N. Z., some of the features and fittings of which will be of interest to American seedsmen.

In its externals it bears a resemblance to the New York skyscraper. With its columnar style of architecture it rises in its five stories like a tower above the street. Warm red brick, with concrete facings, large windows filling the whole intervals between the main columns, touches of color in the glass of the over-windows, and a surmounting parapet of concrete give it a singularly light and airy appearance.

Nor is this belied by the interior. The ground floor is devoted to the shop, where the public may inspect and purchase seeds and plants of wide variety. These are excellently displayed in the shallow windows, especially arranged for convenience in handling goods.

The basement consists of light airy cellars, lit by Lux prism street lights, and used for the storage of seeds and other wares in which the firm deals. Access is given for bulk goods by a right-of-way opening into Mercer-street and a "shoot" window alongside. The upper floors are gained by two lifts—one for passengers, the other for goods. The next floor is devoted to suites of offices. On the third floor are horticultural sundries, on the fourth the mail order department, a special branch of the business, and also the firm's own offices.

Features on the way up are the fireproof doors, the general solidity combined with lightness and airiness of the interior and the balcony window boxes.

Up on the roof is perhaps the most striking novelty of all. The low dome-shaped structure there, with its glass covering suggests the nature and use of this crowning feature. It is a roof conservatory. Here the firm not only displays a great variety of plants in pots for sale, but it also tests its seeds. The equipment is complete, water is handy, and the temperature can be adjusted at will.

Those Catalog Pictures

In their catalog of Strawberries and small fruits issued this season, M. Crawford Co. of Cuyahoga Falls, O., state:

"We are sometimes asked why we do not use pictures of fruits in our catalogs, and this seems to be a good oppor-

DAHLIA ROOTS

Strong roots in perfect condition and strictly true to name.

CACTUS DAHLIAS.

Bridesmaid, Britannia, Countess of Lonsdale, Capstan, Chas. Woodbridge, Firebrand, Floradora, Gabriel, Harmony, Island Queen, J. H. Jackson, John H. Roach, Kriemhilde, Koniigen Wilhelmina, Maid of Kent, Mrs. Montefiore, Mr. Moore, Prince of Orange, Strahlenkrone, Wm. Cuthbertson, $6.00 per 100.

Hazer Kind, Perlahilde, Spotless Queen, Vokler, $8.00 per 100.

Ortwin, Pink Pearl, $10.00 per 100.

Cactus Dahlias, good varieties, my selection, $5.00 per 100.

Mixed Cactus Dahlias, $4.00 per 100.

DECORATIVE AND SHOW DAHLIAS.

Catherine Duer, Clifford W. Bruton, Gloriosa, Queen of Yellows, Wm. Agnew, $6.00 per 100.

Souv. de Gustave Doazen, $1.50 per doz., $10.00 per 100.

Jack Rose, $2.00 per doz., $16.00 per 100.

Decorative and Show Dahlias, my selection, $5.00 per 100.

SINGLE DAHLIAS.

Crimson Century, Twentieth Century, Wildfire, Pres. Viger, $8.00 per 100.

Pink Century, Scarlet Century, White Century, Yellow Century, $10.00 per 100.

Single Dahlias, my selection, $6.00 per 100.

CANNA ROOTS

Home grown, 2 and 3 eyes each.

King Humbert, extra fine, $3.00 per 100, $25.00 per 1000.

Allemania, Comte de Bouchard, Crimson Bedder, David Harum, Florence Vaughan, Mrs. Kate Gray, Pres. Carnot, Souv. de Antoine Crozy, $2.00 per 100, $18.00 per 1000.

Pres. McKinley, West Grove, Yellow Crozy, $2.50 per 100.

Mrs. Wm. F. Kasting, Wyoming, $3.50 per 100.

Black Beauty, Emil Wieland, Little Gem, $5.00 per 100.

Mixed Cannas, good varieties without labels, $1.50 per 100, $12.00 per 1000.

Augusta Gladiolus, best white variety for cut bloom, 1st size, $1.75 per 100, $15.00 per 1000; 2d size, $1.25 per 100, $10.00 per 1000.

J. T. LOVETT, Little Silver, N. J.

Please mention the Exchange when writing.

DAHLIAS

Charles Clayton is my best introduction; for brilliancy, form and stem, this new Cactus leads them all. Other superb Novelties are: Mrs. W. K. Jewett, Manitou, Princess Yetive, Corona, Olive Tracy. These with other fine varieties were awarded a Bronze Medal at the Alaska-Yukon Exposition, last season. Select list of Standard Dahlias; and Field-Grown Hollyhocks, both Double and Allegheny. Catalogue on application.

W. W. WILMORE, P. O. Box 382, Denver, Col.

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $15.00 per 100. Best cut flower sorts, $1.00 per doz., $6.00 per 100.

PEACOCK DAHLIA FARMS

Willamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON

ATCO, N. J.

Please mention the Exchange when writing.

The American Carnation Price $3.50

A. T. DeLa Mare Ptg. & Pub. Co., 2 Doane St., New York.

F.E.—Best Advertising Medium

Florists' Dahlias

A good assortment of Dahlias for Florists, at prices that will surprise you for undivided field clumps.

J. MURRAY BASSETT, Packerd St. Hammonton, N. J.

tunity to state our reasons for not doing so.

We are plain people, and our statements are conservative. If we were to use illustrations it would be contrary to our principles to exaggerate in them any more than in descriptions. We should require that every picture be the exact size of the fruit from which it was made, and such pictures would as a general thing be so modest in size that they would hardly be noticed in comparison with the misrepresentations extant. We receive many illustrated catalogs, and some of them keep to the truth, but others exhibit fruits and various kindred products which are monstrous in dimensions. They are said to be photographed from nature, and no doubt they are, but they are so magnified as to be out of all possibility of truthfulness.

Take the strawberry for instance: All who are familiar with this fruit know that its seeds are small. What then is the conclusion when they appear in a picture as large as radish seeds, or even larger? We have often seen them one-sixteenth of an inch in length, by measure. We assert without hesitation that all such pictures are frauds. The Fendall, a new strawberry of great size, is pictured in various catalogs this Spring, and although the illustration is nearly three inches across, it is an exact reproduction of the berry, as may be seen by its small seeds; but what shall we say of those others with seeds four times too large and set a quarter of an inch apart in the berry? We repeat that they are frauds, and compared with them, correct pictures of most varieties would appear at a great disadvantage as to size.

Another point worth noting is the fact that the same cut or halftone is often made to do duty for several different varieties. This practice, like that of exaggeration, militates seriously against the reliability of pictures. We have in mind a catalog received this Spring which illustrates a certain berry with a picture of a cluster, and a few pages farther along a portion of the same cluster is used to represent another berry, every item of this being identical with the first, as far as it goes.

We do not say that we shall never issue an illustrated catalog, for we can not predict what inducements may appeal to us in the future, but we assert positively that if we ever adopt the use of pictures, they will be exact in size and true to name.

Palm Seeds

"Among all the seeds that I have handled, I think Palm seeds are the most uncertain," says a writer in The Horticultural Advertiser. "They arrive at various seasons, and require to be sown as soon as received, and it not infrequently occurs that the seeds perish in transit; but in more recent years they have been better packed. Some years ago I handled some direct consignments of Areca lutescens, which in appearance were quite fresh and bright, yet they failed to germinate; but later samples, which had been packed in moist sandy loam, germinated readily. Cocos Weddelliana is another which often gives trouble, and Geonoma gracilis may be mentioned. When seeds cost 30s. ($7.20) per 1000, it is disappointing and costly to have failures. Sometimes failures may be caused through fungus spreading through the cases, or in the seed beds, and if the seeds are thoroughly washed before sowing it may be an advantage. I find the prices for seed of all the most useful Palms are likely to be high this season. Since the large consignments have ceased to arrive at the sale rooms it has made a considerable difference. Those who make direct importations may buy cheaper, but I find that one of the largest wholesale houses quote Kentia Forsteriana at 36s. ($8.64) per 1000, and K. Belmoreana at 30s. ($7.20). Palms for which there is not much demand are quoted very low. Phœnix Canariensis being offered at 1s. 8d. (40c.) per 1000. P. rupicola is priced at 16s. ($3.84) per 1000. In regard to general treatment of the seeds, some growers sow the Kentia seeds without taking the husks off, but I have always been accustomed to clean off the outer covering. If soaked in water for a short time they come off easily. Where large quantities are received they may be spread out under a stage and kept moist until they can be properly dealt with. With Cocos Weddelliana I have found that those which have made a slight start during transit are the most reliable; those that arrive in a very dry state rarely germinate satisfactorily. In handling this Palm care should be taken not to damage the tap root. The late Mr. Herbst, who was one of the first to grow it for market, used to put each seed singly in small deep pots; but where the seed is doubtful, if put in thickly in clean fiber they may be taken out and potted as they begin to start. In the growing of all Palms much depends on a careful start, especially in keeping them free from scale, thrips, and other insect pests. Many inexperienced growers over-water, but do not keep up a sufficiently moist atmosphere. Over-potting is another evil; I have seen plants in large pots go very sickly, while others left in quite small ones have done much better.

CANNAS

F. O. B. New York or Chicago For Immediate Delivery

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business. Stock Unequalled.

RED-FLOWERING CANNAS

	100	1000
Louisiana, height 7 ft.	$1.75	$15.00
Alice Roosevelt, 4 ft.	3.00	25.00
A. Bouvier, 5 ft.	1.50	14.00
Beaute Poitevine, 3½ ft.	2.00	17.50
Black Prince, 3 to 4 ft.	2.25	20.00
Chas. Henderson, 4 ft.	1.75	15.00
Crimson Bedder, 3 ft.	2.00	17.50
Duke of Marlborough, 4½ ft.	1.75	16.00
J. D. Eisele, 5 ft.	1.75	15.00
Exp. Crampbell, 5½ ft.	1.50	14.00
Express, 2 to 2½ ft.	2.25	20.00
Pres. McKinley, 2½ to 3 ft.	1.50	14.00

RED, GOLD-EDGED AND SPOTTED SHADES

Gladiator, 4 ft.	2.75	25.00
Cinnabar, 4½ ft.	1.75	15.00
Indiana, 3 to 4 ft.	1.75	15.00
Queen Charlotte, 3½ ft.	2.25	20.00
Mad. Crozy, 5½ ft.	2.25	20.00
Premier, 2½ ft.	2.00	17.50
S. de A. Crozy	2.75	25.00

PINK SHADES

L. Patry, 4½ ft.	1.75	16.00
Louise, 5 ft.	2.00	17.50
Mlle. Berat, 4½ ft.	1.75	15.00
Tennyson, 5½ ft.	2.75	25.00

YELLOW SHADES

	100	1000
Buttercup, 3½ ft.	$1.75	$15.00
C. de Bouchard, 4½ ft.	2.00	17.50
Florence Vaughan, 5 ft.	2.50	20.00
L. E. Bailey, 4½ ft.	2.75	25.00
Richard Wallace, 4½ ft.	2.75	25.00

WHITE AND CREAM SHADES

Alsace, 3½ ft.	1.75	16.00

BRONZE-LEAVED, FLOWERING CANNAS

Brandywine, 4 to 5 ft.	2.00	17.50
Black Beauty, 5 ft.	2.75	25.00
Egandale, 4 ft.	1.60	14.00
King Humbert, 4 ft.	3.25	30.00
Leonard Vaughan, 4½ ft.	1.75	16.00
Musafolia, 5 ft.	2.75	25.00
Pillar of Fire, 6 to 7 ft.	2.25	20.00
Robusta, 6 to 8 ft.	1.75	17.50
Shenandoah, 6 ft.	1.75	15.00

ORCHID-FLOWERING CANNAS

Allemannia, 4 to 5 ft.	1.75	16.00
Austria, 5 ft.	1.25	12.00
Italia, 4½ ft.	1.75	15.00
Kronos, 6 ft.	1.75	15.00
Mrs. Kate Gray, 6 ft.	1.75	15.00
Pennsylvania, 5 ft.	1.75	15.00
Wyoming, 7 ft.	2.75	25.00

Our Cannas are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at 1000 rate. It is cheaper for you to buy a box than 200 at 100 rate.

Chicago and Western Agents for Our Cannas Winterson's Seed Store
45-47-49 Wabash Ave., CHICAGO, ILL.

ARTHUR T. BODDINGTON
SEEDSMAN
342 West 14th Street NEW YORK

Please mention the Exchange when writing.

Coming Exhibitions

Urbana-Champaign, Ill., Feb. 15-16, 1910.—Exhibition of the State Florists' Association of Illinois. Secretary, J. F. Ammann, Edwardsville, Ill.

Boston, Mass., Feb. 26, 27, 28.—Spring exhibition of the Massachusetts Horticultural Society of Plants, Flowers, Fruits and Vegetables. Schedules may be obtained from Wm. P. Rich., Secretary, 300 Mass. ave.

New York, March 16-18, 1910.—Exhibition of The American Rose Society, at the American Museum of Natural History, 77th st. and Central Park West. Secretary, Benjamin Hammond, Fishkill-on-Hudson, N. Y.

Boston, Mass., May 26-30, 1910.—Great Exhibition of Orchids and other plants, by the Massachusetts Horticultural Society. Secretary, William P. Rich.

Firms Who are Building

REDHOOK, N. Y.—Battenfeld Bros. are about to build a new Violet house.

CHAMPAIGN, ILL.—Thomas Franks & Son are building a large addition to their greenhouse on South Goodwin ave.

CANNAS

Our own home-grown stock is true to name. Extra Selected, plump, sound, 2, 3, 4-eyed roots.

	Per 100		Per 100
Austria	$1.20	Louisiana	$1.50
Allemania	1.20	Mad. Crozy	2.00
Alba Rosea	1.20	Metallica	1.20
Alph. Bouvier	1.50	M. Washington	2.25
Alsace, white	1.50	Mont Blanc	4.50
Beaute Poitevine	1.75	Musaefolia, new	1.50
Buttercup, new	1.50	Mrs. K. Gray	1.50
Burbank	1.20	Niagara	2.50
Black Prince	1.80	Papa Nardy	2.00
Black Beauty	2.50	Pennsylvania	1.50
Brandywine	2.00	Premier, gold ed	1.75
Coronet	1.20	Pres. Meyers	2.00
Chas. Henderson	1.50	Queen Charlotte	2.25
Crimson Bedder	2.00	Richard Wallace	2.50
D. of Marlboro'	2.00	Robusta, red	1.50
Duke of York	2.00	So. d'A. Crozy	2.25
Expl. Crampbel	1.50	Shenandoah	1.75
Egandale	1.50	Sec. Chabanne	2.00
Express, dwarf	2.00	Venus, new	3.00
Flor. Vaughan	1.80	Wm. Saunders, new	10.00
Gladiator, new	2.25	West Grove	1.80
Gladisflora new	10.00	Wm. Beffinger	1.50
Italia	1.75	Sep. colors mix.	1.00
King Humbert	4.50	All kinds mxd.	.70
Louise, pink	1.80		

For Caladium, Gladiolus, Tubereses, etc. Ask for special price.

SHELLROAD GREENHOUSES, Grange, Baltimore, Md

Please mention the Exchange when writing.

LOOK—Cannas, started plants of King Humbert, $5.00 per 100; Dormant roots of Venus, $2.00 per 100. Violets, 2½-in., Campbell, and Princess of Wales, $2.00 per 100. Rooted plants of Campbell and Princess of Wales, $1.00 per 100; $9.00 per 1000. Swanley White, $1.20 per 100, $10.00 per 1000. If by mail add 7c. per 100 for postage. 'Mums, Pres. Taft, well rooted cuttings, 75c. per dozen, postpaid.

A. B. CAMPBELL, Cochranville, Pa.

Please mention the Exchange when writing.

IF YOU ARE LOOKING

For some fancy HYDRANGEAS for Easter we have specimen plants at $2.00, $2.50, $3.00, $3.50 each, running from 10 to 20 heads. Send for our general plant list, which includes Ferns, Cannas, Coleus, Carnations, Roses, Chrysanthemums, etc.

GEO. A. KUHL, Wholesale Grower, PEKIN, ILL.

Please mention the Exchange when writing.

THE EXCHANGE—Best Advertising Medium

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.
BEDFORD, MASS.

Please mention the Exchange when writing.

P. OUWERKERK

216 Jane Street
WEEHAWKEN HEIGHTS, N. J.
P. O. No. 1, Hoboken, N. J.
Just Received From Our Holland Nurseries
Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.
PRICES MODERATE

Please mention the Exchange when writing.

Hardy American Grown Roses

General List of Nursery Stock.—Write for our Trade List.
W. & T. SMITH COMPANY
63 YEARS GENEVA, N. Y. 800 ACRES

Please mention the Exchange when writing.

Evergreens Shrubs Shade Trees Privet

100 Acres of Nursery. Ask for quotations upon your own list of wants.
HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Please mention the Exchange when writing.

ALMA NURSERIES, Oudenbosch, Holland

NURSERIES AT OUDENBOSCH AND BOSKOOP

Proprietors { U. J. Heerma Van Voss. H. A. M. Swellengrebel.

Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.

Large stock of **Ornamental Trees** and **Shrubs, Conifers, Evergreens,** etc. First-class stock only. Prices reasonable.

Sole American Agent:
J. MEERKAMP VAN EMBDEN, JR. Mount Vernon, N. Y.

Ask for our General Catalogue and special offer.

Please mention the Exchange when writing.

Araucaria Excelsa

5-inch pots—4 to 5 tiers—15 to 18 inches high
60 cts. each, $6.00 per dozen

THE CONARD & JONES CO.
West Grove, Pa.

Please mention the Exchange when writing.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES
WILLIAM WARNER HARPER, Proprietor
Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

NORTHERN GROWN NURSERY STOCK

We Grow a General Assortment of
Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.
Prices Reasonable. Wholesale Trade List for the Asking
THE BAY STATE NURSERIES, North Abington, Mass

Please mention the Exchange when writing.

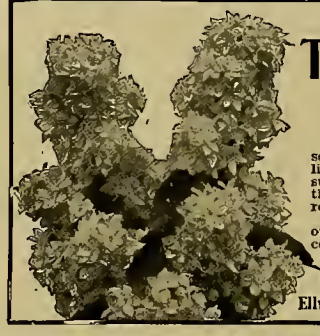
STOCK FOR FLORISTS

ROSES for forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff. **CLEMATIS, AMPELOPSIS, TREE HYDRANGEAS** and **LILACS, SHRUBS, VINES** and **PERENNIALS.** Write for prices.

Jackson & Perkins Co., Newark, (Near Rochester) **New York**

Nurserymen and Florists—Wholesale only. Use printed stationery.

Please mention the Exchange when writing.



Beautiful! Novel! Valuable!

The Newest Lilacs

Double and Single
Extraordinary Offering

The improvement in the Lilac, especially in the double sorts, is marvelous, and all lovers of this flower will be delighted with these novelties. In size, form and color they far surpass the old favorites and we confidently recommend them to our patrons. Nothing that has been introduced recently is likely to prove so popular as the new Lilacs.

A beautiful illustrated booklet on Lilacs will be mailed on request, also our Illustrated General Catalogue, which contains accurate and trustworthy descriptions of the best FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES and HARDY PLANTS

Ellwanger & Barry, Mount Hope Nurseries, Rochester, N.Y.

Please mention the Exchange when writing.

VAN DER WEIJDEN & CO. Wholesale Nurseries Boskoop, Holland

(Proprietor, D. G. WIEGAND BRUSS) offer:
BLUE SPRUCE (Koster's), all sizes; **BOXWOOD pyramids,** 4½-5 feet; **RHODODENDRONS, CLEMATIS, AZALEA MOLLIS; ROSES** (at a bargain), all best varieties. **TAXUS HIBERNICA,** 2-5 feet. Specimens, etc., etc.
Ask special quotations on all your wants. Catalogues free on demand.
WE DEAL WITH THE WHOLESALE TRADE ONLY

Please mention the Exchange when writing.

The Very Best
Grape Cuttings

Finest Selected Wood
PURE STOCK
1,000,000 XXX Cuttings
CHARLES C. NASH, Kalamazoo, Mich.

Please mention the Exchange when writing.

PEONIES

Lucretia Dewberry
in large quantities. If in need write.
GILBERT H. WILD, SARCOXIE, MO.

Please mention the Exchange when writing.

LILACS Charles X and Marie Legray.

DEUTZIA LEMOINEI, pot-grown, in fine condition.
BOXWOOD and BAY TREES, for immediate or Spring delivery.
Orders booked now at inviting prices. Write to
F. W. O. SCHMITZ
Importer, PRINCE BAY, N. Y.

Please mention the Exchange when writing.

½ Million Roses

for February delivery in these and 400 other sorts

Summer grown, on own roots.

	Doz.	2½-in. 100	1000	4-in. 100
American Beauty	$0.85	$6.00	$60.00	
Anna de Diesbach	.50	3.50	30.00	$8.00
Anny Muller	.50	3.00	25.00	
Ball of Snow (Boule de Neige)	.50	3.50	30.00	8.00
Bridesmaid	.50	3.00	25.00	8.00
Bougere	.50	3.00	25.00	8.00
Catherine Zeimet (White Baby R.)	.50	3.60	30.00	10.00
Duchesse de Brabant	.50	3.00	25.00	7.00
Etoile de Lyon	.50	3.00	27.50	8.00
Gruss an Teplitz (Vir. R. Coxe)	.50	3.00	27.50	8.00
Helen Gould (Balduin)	.50	3.00	27.50	8.00
Madame Masson	.50	3.50	30.00	7.50
Mlle. Franzisca Krueger	.50	3.00	25.00	8.00
Magna Charta	.50	3.50	30.00	7.00
Maman Cochet, Pink	.50	3.00	27.50	8.00
Marechal Niel (4-in. 10c., 12c., 15c)	.50	3.50	30.00	15.00
Marie van Houtte	.50	3.00	25.00	7.00
Meteor	.50	3.00	27.60	8.00
Papa Gontier	.50	3.00	27.50	7.00
Phyllis (Pink Baby Rambler)	.50	3.50	30.00	
Queen's Scarlet	.60	3.00	26.00	8.00
Reine Marie Henriette	.50	3.00	25.00	8.00
Rhea Reid	.60	4.00	35.00	10.00
The Bride	.50	3.00	25.00	8.00
Wellesley	.60	3.50	30.00	9.00
White Bougere	.50	3.00	26.00	8.00
White Maman Cochet	.50	3.00	27.50	8.00

Let us know your entire wants in Roses.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD, OHIO.

Please mention the Exchange when writing.

EBBINGE & VAN GROOS

Formerly THE HORTICULTURAL CO.
BOSKOOP, HOLLAND
Hardy Nursery Stock such as **H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies,** etc.
Ask for catalogue.

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HOLLANDIA NURSERIES
Boskoop, Holland.
Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.
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Somergem, Belgium
Special grower of High-Grade and new AZALEAS, KENTIAS, ARAUCARIAS, BAYS, etc.
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DEUTZIA LEMOINEI, pot-grown, in fine condition.
BOXWOOD and BAY TREES, for immediate or Spring delivery.
Orders booked now at inviting prices. Write to
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Importer, PRINCE BAY, N. Y.

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AMPELOPSIS VEITCHII

Fine, well rooted, one year plants, 18 to 24 inches; 50, by mail, $2.00; 100, by express, $3.00; 1000, $25.00. Plants in cellar.
ASPARAGUS ROOTS for Spring, extra strong, 2 year plants, $1.00 per 100; $4.00 per 1000. 3 years, $1.25 per 100; $5.00 per 1000. They will please.
CHARLES BLACK, Hightstown, N. J.

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F. E.—Best Advertising Medium

Viburnum Plicatum, in sizes from 3 to 6 ft.
Japanese Judas, very heavy, 3 to 4 ft.
Spiraea Anthony Waterer, very heavy, 1½ to 3 ft.
Regel's Privet (Ligustrum Regelianum), 2 to 4 ft.

These are but a few of our leaders; we have an enormous assortment of other varieties. Also deciduous trees, especially **Willows, Lombardy Poplars, American Lindens,** and **Dogwood.**
Let us have your "want list," and ask for our catalogue.

The Wm. H. Moon Co., Morrisville, Pa.

Please mention the Exchange when writing.

AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-president; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer.

BEVERLY, MASS.—The North Shore Ferneries Co. has been incorporated with a capital stock of $5000.

MORRISVILLE, PA.—Samuel C. Moon has been re-elected president of the Pennsylvania Nurserymen's Association.

AUGUSTA, GA.—P. J. Berckmans has been re-elected president of the Georgia State Horticultural Society. The next place of meeting of the Society will be Thomasville.

Purple Barberry from Seed The purple-leaved Barberry is such a pretty shrub, and forms such a beautiful hedge that its popularity is easily accounted for. A single plant of it on a lawn is always admired because of its purple leaves, yellow flowers and red berries.

The fact that it comes true from seed, practically, is much in its favor, as this permits of its being increased rapidly enough to admit of its being sold at a "hedge plant" price, a price that must not be too high.

When seeds of it are imported and sown here, there are always a few green-leaved plants come up among the others. Some think this is evidence of carelessness in the picking of the seed, some having been gathered from green-leaved kinds. However this may be, as the purple one is but a variety of the green one, B. vulgaris, and varieties are not dependable from seeds, it is likely that the seeds were picked true and that it is but the reversion of the purple to the green form again.

To form a bushy hedge of this Barberry it needs to be planted young, and carefully pruned from the start. Left to itself, it wants to get tall rather than bushy. This tendency can be kept in check by the pruning referred to; keeping it cut back while its shoots are growing is a great help to bushiness, the side shoots taking the places of the leaders.

Propagators say the best results from seeds come from sowing them in Autumn, soon after ripening; failing in this, to stratify them over Winter, sowing early in Spring.

Avenue of Pyramidal Box Because of its evergreen character and its submission to many kinds of pruning, the Box, Buxus sempervirens, is one of the most useful evergreens the gardener has command of. There is, too, its hardiness to be considered, for in the Middle States it is quite hardy when its new shoots are well ripened by the time Winter approaches. When in low ground, it will often make a growth of shoots quite late in the Autumn, and, as early frosts visit such situations the first of all, it is no way uncommon to find the foliage of these late growths affected by the frost. The Box does best when planted on higher ground, but the plants must be well fed, in order to maintain the deep green color which is such a merit in this evergreen.

There seems hardly a situation the Box cannot fill, from the tub specimens, used to adorn the entrance to a dwelling, to the forming of an avenue, as the illustration represents. Aside, too, from the trimmed specimens such as these uses call for there is that of the natural growth, without a knife being used on them, in which condition they form veritable trees at times.

Their uses in the position our photograph represents is an admirable one. They occupy but the upper end of a lengthy avenue, the borders of which have various flowering plants at different points, some portions Acalypha, others Scarlet Sage; still another, the late, blue-flowered shrub, Caryopteris Mastacanthus. The curved setting of the Box represented, as well as the less pyramidal form of the two front ones, conform nicely to the general appearance of the whole planting. Reaching the sun dial on the ascent of the avenue there is a reminder, as it were, to pause and admire the scene in front, and it is one well worth a pause to admire. The Box specimens are themselves worthy of admiration for their healthfulness and good planting; then the vases, balustrade, grotto in front, and general arrangement of all the planting are all excellent. On the right is a large bower overlooking a grand collection of trees and shrubs, the bower so laden with vines, among them the Clematis paniculata, that not a portion of its structure can be seen in the picture. There is also Clematis on the left hand side of the photograph and, lower down, behind the Box, are several species of Heaths, which thrive well in the situation they occupy.

Chinquapin Chestnuts An interesting shrub, if it may be called a shrub, is the Chinquapin Chestnut, Castanea pumila, a true Chestnut, though making but a shrub size. The interest lies in its bearing its nuts when but two feet high or so, though in their wild state they are sometimes found 12 feet in height. The whole of the appearance and behavior of this dwarf is as that of a true Chestnut, which it is. The leaves are Chestnut looking, so are its flowers and its burs. The nuts are small and almost black when thoroughly ripe, pretty to look at as well as good to eat. The latter quality is well known to squirrels, also to mice, which makes it necessary to guard the nuts well, both when stored away and when sown in the nursery. To prevent field mice getting them it is best to sow the nuts in boxes rather than broadcast in the open ground, for should mice find them out not one would be left by Spring.

To both young and old a bush of the Chinquapin bearing burs of Chestnuts is always of much interest, and to many it seems impossible to convince them that it is as much a Chestnut as the big tree of fifty feet or more in height. Both as a nut bush and as an ornamental one this Chinquapin should prove a good one for nurserymen to keep.

Burning Bushes. Euonymuses Botanists now give us three native Euonymuses, having made a division of E. Americanus, which they call obovatus. This latter is the prostrate growing sort common in many parts of the country. It is often supposed that this is the same as the upright form, the latter having started on an upward growth, as it is known the Japanese one, radicans, will do at times.

The two, granting they are two, and the well known shrub, E. atropurpureus, are beautiful shrubs to have in collections on account of their brilliant red seed pods and seeds in Autumn. The flowers are greenish white, of no distinction; the pods which follow maintain a green color until Autumn when they change to a dull red, becoming of a deeper color later on when they burst open and display their scarlet colored berries. These berries are suspended from the pods by a mere thread but they do not fall until quite late in the season.

E. Americanus is entirely different in foliage, fruit and general appearance from E. atropurpureus. If in no other way it could be readily distinguished by the warty appearance of the seed pods, as the pods of E. atropurpureus are quite smooth.

Avenue of Pyramidal Box (Buxus)

Cryptomerias Need Rich Soil When in good soil there is no more desirable evergreen than a young tree of Cryptomeria Japonica. With good soil to encourage it it makes vigorous shoots, with dark green foliage, and of itself forms a tree of a pyramidal outline, all of which forms a beautiful picture. When in poor soil, as it is sometimes planted in, it would hardly be thought to be the same tree, so changed for the worse is its appearance.

This tree has been known in Philadelphia collections for half a century or more, and on some grounds surrounding old residences large trees of it are to be seen, 30 to 50 ft. tall. So far as hardiness goes, it is quite hardy in this locality. In greatly exposed situations young plants of it become badly browned in severe Winters, but no more than the red Cedar and the Hemlock Spruce does, and both of these are native trees. Hemlocks on exposed hills will have their branchlets killed if the side gales sweep them, so that whether an evergreen be native or foreign it should never be planted alone in a bleak situation. Set the Cryptomeria two or three near each other, or in company of other evergreens, if the position be one where wintry blasts will meet it. Those who straw up this evergreen in Winter when it is young are wise. It insures it from injury from gales, also makes sure of its foliage being of as good a green color in Spring as it was when it was covered up in Autumn.

Although a Japanese evergreen, plants are easily had from European nurseries, and such plants as have been several times transplanted, making it possible to import them with a ball of soil attached. Seeds are easily procured as well, and as seedlings grow quickly it is a better way to increase stock than the older one of rooting cuttings of them, the only method of increase in older days.

Budding Lilacs As is the case with all kinds of nursery stock, where a dozen was called for a few years ago hundreds are wanted now, calling for the propagation of it in greater quantities than was ever known heretofore. In the case of Lilacs the old way of increasing them by off-shoots and dividing of old plants would never answer for providing the want of today, which has caused the very general plan of using the California Privet as a stock on which to bud the Lilac. This Privet makes an excellent stock, every bud growing, practically, and the stock is strong enough to force a good growth of the Lilac. When this stock, the California Privet, is used, after the buds have taken the plants when dug up should have all the buds of the Privet cut out that are below the bud, to prevent their growth mingling with that of the Lilac, but it is in the favor of the Privet that it is so readily distinguished from every variety of Lilac that there is no danger of one being mistaken for the other.

This is the season to be preparing for the budding by securing stocks of Privet. There is no trouble in doing this. A lot of good one-year plants set out in Spring will be strong enough for budding when Autumn comes, the buds being set just high enough above ground to allow of budding and tying. September is a good month for budding on the Privet stock, for if in good soil the plants grow quite late, allowing of the sap running and the bark parting to admit the bud almost to the time of the approach of frost.

To propagate Lilacs without budding, suckers have to be taken from old plants; layers can be made, and pieces of root cut into lengths in Spring and set out in rows in the nursery, all of which plans give more stock.

Seedling Lilacs do not come true from seed, but many of them prove good sorts, and any one having objection to the Privet stock could use the seedlings to bud on instead.

California Privet

California Privet is still the leading hedge plant, because nothing has yet been produced to surpass it.

I have an extra large stock of two-year-old plants, in all grades, to offer for Spring shipment. This stock is well branched with plenty of fibrous roots.

I can compete in price, quantity and quality with any reliable grower.

I AM GROWING PRIVET TO SELL

LET ME QUOTE YOU PRICES BEFORE YOU BUY.

C. A. BENNETT Robbinsville, N. J.

Please mention the Exchange when writing.

Last Fall

MY OUTPUT OF CALIFORNIA PRIVET WAS GREATER THAN EVER BEFORE.

Ribsam's Reputation

Orders booked now daily. Owing to bushiness and fibrous roots my plants are far above the average grade sold by others at less prices; just one order will enroll you as one of our regular patrons. Thanking all for past favors.

CALIFORNIA PRIVET

	Per 100	Per 1,000	Per 10,000	Per 20,000
3 to 4 feet, **Our Special**	$6.00	$40.00	$350.00	$650.00
2½ to 3 feet, **Extra Bushy**	5.00	35.00	300.00	550.00
2 to 3 feet, **Our No. 1**	3.50	25.00	200.00	350.00
1½ to 2 feet, **Our No. 2**	2.50	17.50	150.00	250.00
10 to 18 in., **Our No. 3**	1.50	12.00	100.00	175.00

Packed free. Our stock is A1 in every respect, and I prefer you to call and see it. A trolley line from P. R R. station leaves you at my gate, only 10 minutes' ride Hoping to see you and have your order early as possible, as we have only 300,000 left for this Spring's delivery, I remain, yours truly,

CARLMAN RIBSAM, Office, 31 Wall St. (Nursery, Hamilton Ave,) **Trenton, N. J.**

Please mention the Exchange when writing.

California Privet

SPECIAL

For two weeks we will make special price on car-lots of 18 to 24 in., 2-yr., well branched and extra fine rooted stock.

Small quantities at low prices.

Asparagus, Palmetto and Giant Argenteuil, 3-yr., extra strong, **$5.00** per 1000.

Jos. H. Black, Son & Co.

Highstown, N. J.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

50,000 **CALIFORNIA PRIVET,** fine 1-year-old stock, 18 to 24 in., $2.00 per 100, $15.00 per 1000; 24 to 30 in., $2.50 per 100, $20.00 per 1000. Special prices in 5000 lots to dealers, all No. 1 stock. 5,000 extra strong **AMPELOPSIS Veitchii.** Field grown vines, live tops and roots, now in cellar. $4.00 per 100, 600 at $3.50 per 100. P. S. 25,000 **Canna Roots.**

BENJ. CONNELL, Florist, **Merchantville, N. J.**

Please mention the Exchange when writing.

CALIFORNIA PRIVET

500,000 2-yr. plants, with 12 to 20 branches; have been transplanted once and cut back 2 yrs.; $4.00 per 100, $37.50 per 1000, packed. Will make a good close hedge at once. 500,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr.; $3.00 per 100, $27.50 per 1000, packed. 1-yr. plants 12 to 18 in., well branched, $2.00 per 100, $17.50 per 1000, packed. 500 at 1000 rates. Cash with order.

JOHN BENNETT, Atlantic Highlands, N. J.

Please mention the Exchange when writing.

Hartford, Conn.

The past week has been a busy one for the florists, a large amount of funeral work having been done. Valentine's Day brought with it an extra demand for flowers, and dealers had all they could attend to for that event; some of them employed extra help and extra teams to deliver. Violets were most in demand and thousands of them were disposed of; perhaps the price was an attraction to purchasers as they retailed everywhere at $1 per 100. There was an ample supply and they were fine in quality. The double Violet has the call here; there is no demand whatever for the single kinds. There was a good supply of all kinds of flowers for this day with no advance in the prices. Roses sold well at $1.50 and $2 per doz. Carnations, 75c. per doz. Daffodils, Tulips, Roman Hyacinths, and Paperwhites, 50c. per doz. Lily of the Valley, 75c. per doz. Sweet Peas, $1.50 and $2 per 100.

Vincent H. Olmstead, head clerk for John Coombs, met with a painful accident last Friday while he was decorating the Opera House at Thomaston, Conn., for a banquet. He was upon a ladder and about twenty feet from the floor, when the man who was holding it let go; the ladder slipped and Olmstead fell to the floor. No bones were broken, but Mr. Olmstead was so bruised that he was unable to get back to work for several days. J. F. COOMBS.

Cincinnati

Friday, Feb. 11, witnessed one of the heaviest falls of snow that Cincinnati has had in 40 years, ten inches on the level, which was something remarkable for this section of the country; in fact, this has been what we may call an "Old fashioned Winter." It is also remarkable that the stock of flowers has continued to come in as plentifully as it has for the past two months.

Stocks at date are cleaning up nicely every day, and Valentine's Day created quite a little spurt for Am. Beauty, Violets and Sweet Peas; considerable funeral work is also around. So far, with the advent of Lent, we have seen no special difference in the demand, and from now on, as the days are lengthening, we can look for better goods.

Carnations are selling at $2 and $3 per 100. Am. Beauty from 50c. to $5 per dozen, Maryland, from $6 to $12 per 100. Maryland about the same. Callas from $10 to $12 per 100. Violets, 75c. to $1 per 100.

B. P. Critchell, former Park Supt., has been confined to his house for several weeks from bad colds, etc., but is able to be up and around again.

Very little is doing in the flower market during the Winter season, but it will soon be a busy spot.

C. P. Dieterich & Bro. of Maysville, Ky., are shipping in some very fine single Violets.

Geo. Corbett of College Hill is another grower of fine single Violets.

George & Allan of Hyde Park are now sending in some very good L. longiflorums.

Lou Kyrk handles the stock from E. T. Gray of Richmond, Ind., who grows a miscellaneous assortment of stock; this concern is noted for good quality.

Samuel Batson of Kalamazoo, Mich., is the man to grow the novelties, Old English Wallflowers, Forget-me-nots, Baby Primrose, Snapdragon, etc.

H. Schmidt & Co., of Oxford, O., are sending the writer some very nice Gypsophila, (Maid of the Mist); it sells at 50c. per bunch.

These little novelties are sought after by the stores to fill in with their other goods, and it pays the grower very well for the little space it takes.

Tom Hardesty is superintending the decoration of the Horticultural Hall, where the S. A. F. held their trade exhibit last August; it is being decorated for the automobile show. J. Chas. McCullough furnished the wild Smilax, 150 boxes. This exhibit of "Honk" wagons will probably be one of the finest ever held here, as every machine of the different makes will be shown. It will be a society event, and will undoubtedly help the flower business. Dr. Bonafield, one of our eminent surgeons, is president of the Automobile Club, and Mr. Hardesty will undoubtedly see to it that there will be some flowers used.

E. G. GILLETT.

F. E.—Best Advertising Medium

CALIFORNIA PRIVET 15 to 18 ins., $1.50 per 100, $13.00 per 1000; 18 to 24 ins., $1.75 per 100, $15.00 per 1000; 24 to 30 ins., $3.00 per 100, $25.00 per 1000. CASH WITH ORDER

JOHN H. LANE, LITTLE SILVER, N. J.

Please mention the Exchange when writing.

Privet Cuttings

60 cents and 85 cents per 1000.

HARRY B. EDWARDS, Little Silver, N. J.

Please mention the Exchange when writing.

True Irish Shamrock

Nice thrifty stock, 2-in. Per 100 $3.00, per doz., by mail, 50c.

ROOTED CUTTINGS

	Per 100
Double Petunias, 25 vars., Dreer's strain	$1.00
LANTANAS, Dwarf, 5 vars.	1.00
LANTANAS, trailing	1.25
HELIOTROPE, dark, for soil, R. C.	1.00
GAZANIA Splendens	1.50
STROBILANTHES Dyerana	1.25
AGERATUM, Gurney, Pauline, and White	.60

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

Cineraria Plants

Large stocky plants, in 6-in. pots, in close bud, will make fine 8-in. plants for Easter, $25.00 per hundred.

Also fine stocky plants, in 4-in. pots, in close bud, will make fine 6-in. plants, $1.00 per doz., $8.00 per hundred.

GENISTA Fragrans. Stocky 6-in. pot plants, in bud, $4.00 per doz. Also fine 6-in. pot plants, $3.00 per doz.

ASPARAGUS Plumosus Nanus, 3-in. pot plants, very stocky, $6.00 per hundred.

ASPARAGUS Plumosus Nanus Seed. Greenhouse grown, $3.50 per 1000.

MARGUERITE DAISIES, LILIES, AZALEAS, DAFFODILS, ETC.

J. WILLIAM COLFLESH

53rd and Woodland Ave., PHILADELPHIA, PA.

Please mention the Exchange when writing.

PETUNIA DOUBLE

10 kinds, 2 in., 2c.

Snapdragon, White and Scarlet, 2 in., $2.00 per 100.

Smilax, 2-in., $1.25 per 100.

Abutilons, 3 kinds, 2-in., 2½c.

PRIMULA

Primula Obconica, 4-in. in bloom, 8c.

Cuphea, 2-in., 1½c.

Poinsettia, stock plants, 5c.

Geraniums, Nutt, Castellane, Buchner, Grant, etc., 2-in., $2.00 per 100.

Coleus, 10 kinds, Ageratum, 3 kinds; 2-in., $1.50 per 100.

Rooted Cuttings, prepaid per 100. Heliotrope, $1.00; Fuchsia, 8 kinds, $1.00; Paris Daisy, yellow, white, $1.00; Cuphea, 76c. Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, 3 kinds, 50c.; Ageratum, 3 kinds, 60c.; Swainsona alba, $1.00; Dbl. Petunias, 10 kinds, $1.00.

Flowering Begonia, 8 kinds, $1.25; Salvia, 90c. Cash with order.

BYER BROS., Chambersburg, Pa.

Please mention the Exchange when writing.

A Few Good Things You Want

BEGONIA Rex, 2-in., $6.00 per 100.

ASPARAGUS plumosus, 2-in. $3.00 per 100; 3-in., $6.00 per 100. Cut sprays, 25c. per bunch.

ASPARAGUS Sprengeri, 3-in., $5.00 per 100.

GERANIUMS, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in., $3.00 per 100.

FERNS. Whitmani, 4-in., 25c. each. Boston, 4-in., 16c. each; 5-in., 25c. each.

CYCAS PALMS, 4 to 5 leaves, $1.00, $1.50 and $2.00.

VINCA Var., 2-in., $2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Almost Sold Out

Have you sent us an order for your stock of Carnation Dorothy Gordon? Easy to put it off—but our supply is limited, orders are piling in every day, and some of you who are planning to grow this splendid Carnation for your trade this year are going to be disappointed!

This magnificent flower made a big "hit" at the Pittsburg meeting, but that didn't surprise us any, for a great many of our friends in the trade long ago learned that for real, substantial profits

Carnation Dorothy Gordon

stood away up at the top of the list. We know we "harp" a lot about its merits, but when you know this grand new variety as we do, you'll be enthusiastic, too. Flowers fragrant and uniform in color—a little darker than Pink Enchantress; very large—size 3 inches or more in diameter—buds of good substance and very lasting. All these features spell profits for growers of Carnation Dorothy Gordon—double profits, for the plants bear more flowers which sell for a higher price, bringing your gains up to nearly twice what you can get from other commercial sorts.

Come to Wyncote and see Dorothy Gordon growing; if you cannot do that, write or wire us now and we will reserve stock for you. But do it quickly if you want any rooted cuttings this Spring. Interesting literature free. Prices are: $10.00 per 100; $75.00 per 1000.

Joseph Heacock Company, Disseminators, Wyncote, Pennsylvania

Please mention the Exchange when writing.

MARY TOLMAN

Winner of First Prize at Milwaukee. Deep flesh pink, the most beautiful color of any in this class. Does not fade in the strongest light. An excellent, clean, upright grower long, stiff stems and perfectly formed flowers. Will produce more perfect blooms in a season than Enchantress. We want your order for this excellent Carnation. Orders booked now for January, 1910, delivery.

$12.00 per 100, $100.00 per 1000

A. E. Hunt & Co. EVANSTON, ILL. **Chicago Carnation Co.** JOLIET, ILL. **Hunt Bros.** PARK RIDGE, ILL.

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CONQUEST

Light pink overlaid with deep rose. The most valuable and fancy Carnation on the market.

Winner of First Prize Wherever Shown

Habit of Lawson; very free; stem long as Enchantress and stiff; the flowers are large and well formed, making a good impression wherever shown, and can be used to good advantage in many different ways.

Chicago Carnation Co.
A. T. Pyler, Mgr., JOLIET, ILL.

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SANGAMO

Brilliant glistening pink, brighter than Winsor or Winona

WINNER AT CHICAGO, ST. LOUIS AND MILWAUKEE FLOWER SHOWS

Perfectly formed flowers on long, stiff stems; calyx does not split. The most PROLIFIC Carnation grown to-day. Everybody pronounces it the best "bread-and butter" Carnation they have ever seen growing

ROOTED CUTTINGS, ready Jan. 1st., $12.00 per 100, $100.00 per 1000.

CHICAGO CARNATION CO. JOLIET, ILL. **A. C. BROWN** SPRINGFIELD, ILL.

Please mention the Exchange when writing.

Blooms 3-3½ inches
Stems 24-30 inches
Strong Grower
Free From Disease

Bon-Ami

×

G. E. BUXTON
NASHUA, - - - - - N. H.

An early, continuous Bloomer
An honest Commercial Carnation

A new seedling White Carnation of exceptional merit as a dividend payer. Not a Gold Brick or Bunco Sort. One that will pay its Board and Lodging and present its owner with a balance on the right side of Ledger. Buy it and be convinced that Bon-Ami is all that its name stands for—

Price $10.00 per 100 *"A Good Friend"* **$75.00 per 1000**

Please mention the Exchange when writing.

CARNATIONS
and
CHRYSANTHEMUMS
ROOTED CUTTINGS

Send for price list.

WILLIAM SWAYNE, P. O. BOX 215, Kennett Square, Pa.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

Indianapolis

And now for Easter!

John Hitz is marketing fine Sweet Peas.

Walter Bertermann has returned from a visit to the Chicago flower shops.

Albert Kempe is making arrangements for stocking his enlarged plant.

B. F. Hensley of Knightstown is shipping much good stock despite the serious handicap caused by his fire this Winter.

John Heidenreich is fortunately busy with funeral work.

Shasta and James Whitcomb Riley are both finding many friends in the Carnation world.

Harry Jones is on the sick list.

The Park Board is figuring on moving the propagating houses and adding additional glass.

Tomlinson Hall Market is a clearing house for much fancy stock. Business is reported good.

Huntington & Page are having alterations made in their N. Delaware st store.

I. B.

St. Louis

E. H. Riehl of Alton, Ill., and Mr. and Mrs. M. B. Leach of Taylorville, Ill., called on the trade.

Frank Fillmore and E. W. Guy paid a visit recently to their friend, J. F. Ammann at Edwardsville, Ill., and found the place in tip-top shape.

Park Commissioner Scanlon says that the Park Department will use over 100,000 California Privets this Spring to replace the hedges that have been frozen out this Winter. The nurserymen, too, say they will need lots of Privet to replace the many frozen hedges throughout the city this year.

Rufus J. Lackland, who for the past 20 years has been President of the Board of Directors of the Shaw Gardens, has resigned his position owing to old age; Mr. Lackland is 90 years old and is president of the Boatman's Bank.

Jules Burdet has moved all his stock from the Venter ave. place to the old Michel greenhouse, which was recently bought by Geo. Walbart, for whom Mr. Burdet will run the place.

Along Grand ave. the florists are making their usual fine show. Geo. Walbart's is a great attraction. Mrs. M. M. Ayers has new lights placed in her windows and they are as bright as day, showing a fine display. Eggling, Windler, Bergestermann and Beyer all are attractive spots in their respective neighborhoods.

The Bentzen Floral Co. on North Grand ave. is showing some fine plants in their new show house, so is the Tower Floral Co.

The directors of the Missouri Crematory on Sublette ave. have accepted the plans of Wm. Bouche, the landscape gardener, for a sunken garden on the order of the one surrounding the Crematorium in Hamburg, Germany. Mr. Bouche says the cost will be $5000, and work will be begun just as soon as the weather permits. Mr. Bouche is about the only man here who could handle a job of this kind satisfactorily.

The Englemann Botanical Club at its meeting held on Monday evening, Feb. 14, in the Central High School Building, had a large attendance. The meeting was held in the Botanical Laboratory; the feature of the meeting was a paper by E. G. Arzberger of the Shaw School of Botany on "Root Tubercles of a few plants and some facts regarding the Fungus which cause them." Mr. L. P. Jensen, gardener for the Busch estate, is now its secretary and treasurer. Mr. H. P. Chandler presided over the meeting.

ST. PATRICK.

Carnation Cuttings

For Present and Later Delivery

	100	1000
Beacon, Enchantress, White Enchantress, White Perfection	$2.50	$20.00
Winona	3.00	25.00
Lawson Enchantress	5.00	40.00

Special price until Feb. 20, first class Winsor cuttings, $1.50 per 100, $12.50 per 1000.

GEO. B. HART
24 Stone St., ROCHESTER, N. Y.

Please mention the Exchange when writing.

CARNATIONS
ROOTED CUTTINGS

	100	1000
WHITE		
Apple Blossom	$6.00	
Mrs. J. C. Vaughan	6.00	
White Perfection	2.50	$22.00
White Enchantress	2.50	22.00
The Queen	1.50	12.00
PINK		
Pink Delight	6.00	
After Glow	4.00	30.00
Viola Sinclair	3.50	
Lawson Enchantress	3.50	30.00
Winona	3.50	30.00
Rose Pink Enchantress	2.50	20.00
Enchantress	2.00	18.00
Mrs. Thos. Lawson and Winsor	1.50	14.00
RED		
Beacon	2.25	20.00
CRIMSON		
Harvard	3.50	30.00
Harry Fenn	1.50	12.50

January and February delivery.

Less 3 per cent. for cash with order. Quality guaranteed or money refunded.

B. F. BARR & CO., Keystone Nurseries, Lancaster, Pa.

Please mention the Exchange when writing.

CARNATIONS
Rooted Cuttings

Mrs. C. W. Ward, $12.00 per 100, $100.00 per 1000.
Alma Ward, $15.00 per 100, $125.00 per 1000.
Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett, $6.00 per 100, $50.00 per 1000.
White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink, Enchantress and Harlowarden, $3.50 per 100, $30.00 per 1000.
New crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons, at 25c. and $1.00 per package.

CHAS. H. TOTTY
MADISON, N. J.

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings. Clean, healthy stock.	100	1000
Enchantress	$2.50	$20.00
Pure White Enchantress	3.00	26.00
Rose Pink Enchantress	2.75	22.50
White Perfection	2.75	22.50
Winona	3.00	26.00
Beacon	3.50	30.00
Winsor	2.50	20.00
Harlowarden	2.00	18.00

Cash with order.

SMITH & GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

THE AMERICAN CARNATION

Price, $3.50

A. T. De La Mare Ptg. and Pub. Co. Ltd., N. Y.

"Canary Bird" THE BEST YELLOW CARNATION EVER INTRODUCED

EARLY—FREE—LARGE

Rooted Cuttings Ready Now, per 100 $12.00, per 1000 $100.00

Henry Schrade Saratoga Springs, N. Y. — **Scranton Florist Supply Co.** Scranton, Pa.

Westerly, R. I., Feb. 12, 1910

HENRY SCHRADE,
Saratoga Springs, N. Y.

Dear Sir:—We received the cuttings of "Canary Bird" this day in good condition, and are also well pleased with the appearance of the blooms you sent us of this variety. In fact, we would like to increase our order, as this carnation looks very good and we would like to grow a fair batch for trial next season. The blooms which you sent us are at this writing in good condition, they having expanded considerable and it shows to be a good keeper. Can you ship us at an early date an additional quantity of cuttings?

An early reply would be appreciated.

Yours very truly,
L. J. REUTER,
For S. J. Reuter & Son, Inc

Please mention the Exchange when writing.

Rooted Carnation Cuttings

NEW CARNATIONS FOR 1910

	Per 100		Per 100
Dorothy Gordon, $75.00 per 1000	$10.00	Admiration	$12.00
Shasta	12.00	Alma Ward.....$2.50 per dozen	15.00
Scarlet Glow	12.00	Mrs. C. W. Ward	12.00
Sangamo	12.00	Conquest	12.00

CARNATIONS OF 1909

	Per 100		Per 100
O. P. Bassett	$6.00	Ruby	$6.00
Pink Delight	6.00	Mrs. J. C. Vaughan	6.00
Mrs. Chas. Knopf	6.00	Georgia	6.00

STANDARD VARIETIES

WHITE VARIETIES	Per 100	PINK VARIETIES	Per 100
White Enchantress	$3.00	Winsor	$3.00
Lady Bountiful	3.00	Afterglow	3.00
White Perfection	3.00	Splendor	3.00
Queen Louise	2.00	Pink Imperial	2.50
The Queen	2.00	Rose Pink Enchantress	2.50
My Maryland	2.00	Mrs. Thos. Lawson	2.00
Sarah Hill	3.00	Nelson Fisher	2.00
Lloyd	3.00	Mabelle	1.50
		Variegated Enchantress	2.50
RED VARIETIES		**YELLOW VARIETIES**	
Robert Craig	3.00	Eldorado	2.00
John E. Haines	2.00	Golden Beauty	2.00
Beacon	3.50		
Flamingo	2.00	**VARIEGATED VARIETIES**	
Victory	3.00	Mrs. Patten	2.50
Roosevelt	2.00	Jessica	2.50
Harlowarden	2.00		
Cardinal	2.00		

GRAFTED AND OWN ROOT ROSES READY FOR EARLY DELIVERY. SEND FOR CIRCULAR

CHOICE VARIETIES OF VERBENAS

Rooted Cuttings, our selection; 75c. per 100; $6.00 per 1000.
Plants, 2¼-in. pots, our selection; $2.50 per 100; $20.00 per 1000.
Rooted Cuttings, purchaser's selection; $1.00 per 100; $8.00 per 1000.
Plants, 2¼-in. pots, purchaser's selection; $3.00 per 100; $25.00 per 1000.
Entirely sold out of Miss Willmott cuttings and plants.

J. L. DILLON, Wholesale and Retail FLORIST, **Bloomsburg, Pa.**

Please mention the Exchange when writing.

SHASTA

WE are now shipping fine, strong cuttings of **Shasta,** as fast as they are ready to come out of the cutting bench. Orders on our books will take all that will be ready up to February 15th. If you want late February delivery you should send in your order at once before the other fellow gets them.

Come and see it growing if you can. Once you see it you will want to grow it. $12.00 per 100, $100.00 per 1000.

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

THE AMERICAN CARNATION

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PTG. & PUB. CO. Ltd., 2 to 8 Duane Street, New York

Syracuse, N. Y.

We are experiencing a genuine old-fashioned Winter here. There has been almost continuous sleighing since Thanksgiving. There have been many days when the glass registered zero; 20° below is the lowest so far.

Business has been very good, as society people have been very active; funeral work, too, has been very plentiful. The deaths of the engineer and fireman of the 20th Century express train, both well known and highly respected, brought more orders than has been received for some time.

Stock has come along slowly, owing to so many dull days, and very little has gone to waste.

Many of our wealthy citizens have gone South to escape the cold, and will not return till Easter.

St. Valentine's Day makes very little trade for the florists here, compared to some places. Violets are the favorite flower.

Burt, the florist, has a very neat and attractive electric sign, the first of the craft to adopt that growing way of advertising.

John Brenner, whose father was one of the pioneer florists here, has given up the florist business, and devotes his time to cultivating Mushrooms, for which he finds a ready sale.

Louis Guilliame, who a few years ago was the largest wholesale grower of Carnations hereabouts, has given up that branch and now devotes his houses to Lettuce and other vegetables, and claims to be making more money, as he sells on a cash basis and says he has no bad debts.

Walter Meneilly & Son have a splendid crop of remarkably fine double Violets.

During Lent the florists find a good sale for flowering plants, as people remember their sick friends more then than at other times.

The prospects for a heavy Easter trade is very bright, and all are preparing to meet it. H. Y.

Utica, N. Y.

Wm. Mathews has as fine a lot of Orchids as is to be found. He now has 10,000 plants, some of very rare specimens. He showed us one specimen that came in a case about a year ago that he has not been able to find any record of anywhere, or name. He has been growing Orchids for a great many years and he says it is entirely new; it is very beautiful. I will not try to describe it; he would be pleased to know more about it, it is surely very valuable. Carnations at this place are looking good and lots of them. He is cutting plenty of Daffodils, Jonquils and Tulips, and most all kinds of Spring flowers, for which he finds a good demand. He has a very fine lot of Azaleas for Easter. He is growing only the single Violets, which are fine. He has two large Camellias, regular trees, from which he has cut a great many flowers this Winter, and he has found a ready sale for them at good prices. This talks like old times. Harry Mathews was very busy, when we called, with a large funeral order, but we were very well taken care of by William. Everything here looks fine for Easter and they are expecting a big trade.

We called on Wm. P. Pfifer, but found that gentleman away. We took the liberty to look the place over. Carnations here are the thing and are done well. His large house was very fine and looked as if he would be "in it" for a long time to come.

Peter Crowe, I believe, is on the way to recovery. He is now at Clifton Springs, N. Y., where he has been for the past two weeks. It is the wish of all his florist friends that he will soon be able to come back to Utica in perfect health.

W. A. Rowlands of Whitesboro, N. Y., the Carnation King, has returned from the Pittsburgh show chuck full of what he saw, and boiling over with enthusiasm in regard to the new sorts that he saw. He grows Enchantress, rose pink and white, Apple Blossom, Mrs. Lawson in white, pink and variegated, Beacon, Winsor, White Perfection and Pink Delight. He is having a big cut now; one party takes all he grows.

Stumpp & Walter Co.'s representative was in town a few days ago.

One of our very popular aldermen died very suddenly, and his death created a big demand for flowers.

Lent has come and there are no parties at present; the poor florists will have to wait now for Easter, for which prospects are good. QUIZ.

Seasonable Stock Ready

Rooted Cuttings of Carnations

Enchantress, Rose Enchantress, White Enchantress, Beacon, White Perfection, Welcome at $2.50 per 100, $20.00 per 1000.

Georgia, new white, $4.00 per 100.

Rooted Cuttings of Chrysanthemums

October Frost, Golden Glow, Rosiere, Monrovia, Bailey, Appleton, and many others; $2.00 per 100. Pot plants, 2½ inch, $3.00 per 100.

VIRGINIA POEHLMANN, GOLDEN EAGLE, LYNNWOOD HALL, $4.00 per 100.

MRS. W. E. KELLEY, PRES. TAFT, $10.00 per 100.

A Few Stock Plants of Chrysanthemums Still Left

In following kinds at $3.00 per 100, $25.00 per 1000: OCTOBER FROST, CLEMENTINE TOUSET, APPLETON, GOLDEN GLOW, ALICE ROOSEVELT, DR. ENGUEHARD, WHITE BONNAFFON, YANOMA, NEW WHITE SEEDLING No. 1.

I. M. RAYNER, Greenport, N.Y.

Please mention the Exchange when writing.

Rooted Cuttings

	Per 100	1000
Perfection	$2.00	$17.50
Georgia	5.00	
Enchantress	2.00	15.00
Rose Enchantress	2.00	12.50
Winona	3.00	25.00
Afterglow	2.00	15.00
Winsor	2.00	12.50
Harry Fenn	2.00	12.50
Beacon	2.50	20.00

Boston Ferns, from bench, $2.50 per 100, $20.00 per 1000; ready to plant.

QUIDNICK GREENHOUSES

J. H. Cushing, Prop., Quidnick, Anthony P. O. R. I.

Please mention the Exchange when writing.

OWING to the scarcity of Carnation Cuttings this season there is good opportunity for those who are so situated as to be able to propagate them, especially the standard varieties, in time for this Spring's sales. Those growers having surpluses of recognized commercial varieties are advised they can make sales readily through an advertisement in these columns.

Carnation Cuttings

	100	1000
Beacon, Enchantress, White Enchantress, White Perfection, Winona, Lawson-Enchantress	$2.50	$20.00
Winsor	1.50	12.50
Georgia	4.00	35.00

WHITE BROTHERS,
GASPORT, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Strong Rooted Carnation Cuttings from Clean, Healthy Stock that Wins Prizes Wherever Shown. These Cuttings are the Best that Money Can Buy.

	Per 100	Per 1000
Sangamo	$12.00	$100.00
Conquest	12.00	100.00
Mary Tolman	12.00	100.00
White Enchantress	3.00	25.00
White Perfection	3.00	25.00
Enchantress	2.50	20.00
May Day	6.00	50.00
Daybreak Lawson	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Winona	3.00	25.00
Winsor	$3.00	$25.00
Splendor	3.00	25.00
Alvina	5.00	45 00
Aristocrat	3.00	25.00
Afterglow	3.00	25.00
Lawson-Enchantress	3.00	25.00
O. P. Bassett	6.00	50.00
Victory	3.00	25.00
Beacon	3.00	25.00
Gov. Deneen	5.00	45.00
Andrew Carnegie	3.00	25.00

Guaranteed to be satisfactory in every respect

Chicago Carnation Co., A. T. PYFER, Mgr. **JOLIET, ILL.**

Please mention the Exchange when writing.

Rooted Carnation Cuttings

WHITE	100	1000
Alma Ward	$15.00	$120.00
Shasta	12.00	100.00
Niagara	6.00	60.00
Georgia	6.00	60.00
Mrs. J. C. Vaughan	6.00	50.00
White Perfection	3.00	25.00
White Enchantress	3.00	25.00
Snow Flake	3.00	25.00
Lloyd	2.50	20.00
RED		
O. P. Bassett	6.00	50.00
Beacon	3.00	25.00
PLUM COLOR		
Gov. Dineen	6.00	50.00
CRIMSON		
Ruby	6.00	50.00
Wanoka	6.00	50.00

PINK	100	1000
Admiration	$12.00	$100.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Mary Tolman	12.00	100.00
Dorothy Gordon	10.00	75.00
May Day	6.00	50.00
Winsor	3.00	25.00
Afterglow	3.00	26.00
Winona	3.00	26.00
Enchantress	2.50	20.00
Rose Pk. Enchantress	2.50	20.00
VARIEGATED		
Conquest	12.00	100.00
Bay State	6.00	50.00
Apple Blossom	6.00	50.00
Mrs. M. A. Patten	2.60	20.00

Strong, clean cuttings—Ready for shipment now.

S. J. REUTER & SON, Inc., Westerly, R. I.

Please mention the Exchange when writing.

Carnations

April delivery, a few ready for March.

White Perfection, Rose-Pink Enchantress, and Victory at $15.00 per 1000.

White Enchantress, $17.50 per 1000. Lawson Enchantress, Winona and Beacon, at $20.00 per 1000.

O. P. Bassett and Alvina at $30.00 per 1000.

Fenn, Lawson and Winsor at $10.00 per 1000.

Geraniums

Ready March 21st, and later.

Nutt at $10.00 per 1000. Ricard and Poitevine at $12.50 per 1000.

ASPARAGUS Plumosus, $25.00 per 1000.

ASPARAGUS Sprengeri at $25.00 per 1000.

Sprengeri "Special" ready for 4-in. pots at $50.00 per 1000, sample for 10c.

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

OWING to the scarcity of Carnation Cuttings this season there is good opportunity for those who are so situated as to be able to propagate them, especially the standard varieties, in time for this Spring's sales. Those growers having surpluses of recognized commercial varieties are advised they can make sales readily through an advertisement in these columns.

LUCILLE

The new Carnation, that will bring you more dollars and cents than any other Carnation. Try it. $12.00 per 100; $100.00 per 1000.

Write for circular.

A. F. LONGREN, Des Plaines, Ill.

Please mention the Exchange when writing.

New Seedling Rose

Radiance

A seedling from Cardinal, a brilliant rosy carmine with opaline tints in the open flower. The form is fine, large, with cupped petals, bud long, brilliant, radiant, with extra long stems, a constant bloomer, fragrant, foliage abundant and of splendid substance.

2½-inch pots, $18.00 per 100; ready for delivery in April and May

CASH OR SATISFACTORY REFERENCE

JOHN COOK, 318 North Charles St. BALTIMORE, MD.

Please mention the Exchange when writing.

WHITE KILLARNEY—MARYLAND

Select Grafted Plants from 2½-in pots, $12.00 per 100.

Ready for delivery March 15, 1910

O. P. BASSETT

Proven the best red in the market. Rooted Cuttings, $6.00 per 100, $50.00 per 1000. Immediate delivery.

BASSETT & WASHBURN

Greenhouses, HINSDALE, ILL. Office and Store, 76 Wabash Ave., CHICAGO, ILL.

Please mention the Exchange when writing.

station; also three ranges, comprising some 100,000 sq. ft. of glass. These are located on Union st., West Side Hill, and cor. Willow and Ludlow sts. Mr. Dallas did have another store connected with the Union st. range but closed it during the past season. He has one very good rule in practice at his several greenhouses, which is that no stock is to be sold at any place except the two stores; all houses are closed promptly at 6 p.m. This rule allows the assistants to devote all their time to care of the ranges and permits all employees to go home at a stated hour. At one of the stores a customer recently asked for "Shredded Wheat"; what she wanted was a "sheaf of wheat." Mr. Dallas has just returned from a short visit with his son Walter who is at Saranac Lake, N. Y., coming back in time to decorate and attend as a member the Waterbury Business Men's Association banquet. Mr. Thos. Newberry, well known to the trade about New York, is foreman for Mr. Dallas.

Mr. John Saxe of Saxe & Floto, 205 So. Main st., has been in the local hospital for past 12 weeks, first to undergo an operation for appendicitis, then having other troubles develop; he is now recovering and expects to soon be back on duty. This firm have about 35,000 sq. ft. devoted to general line of stock for store trade and also force large quantities of Tulips. They recently erected a large house in which are grown Carnations.

W. F. Beerbaum of Baldwin st. has considerable glass in which he does his share of funeral work and handles considerable trade. One house was built this past Fall in order to help out his increasing trade.

Spencer, Mass.

Frank J. Prouty has some 5000 sq. ft. in which he grows Carnations and mixed stock. A Safrano Rose bush of large size has a prominent position in one of his houses and is over 30 years old. Mr. Prouty came here some nine years ago and took the greenhouses formerly owned by Hoyle. A good trade in funeral work is reported.

Spencer is 12 miles west of Worcester, reached easily by trolley, and has a population of about 8000. It is a shoe manufacturing town to some extent.

Chas. H. Green has been here for the past 15 years and does a nice retail business, with occasionally some wholesale trade. He erected one Violet house and an office building during the past Fall, and finds that his 8000 sq. ft. is getting too small for his needs. A recent order was a pillow, on which the customer insisted in having the words inscribed "Good-Bye, Steve." A general line of cut and bedding stock is being grown at present.

Waterbury, Conn.

Waterbury, known as "Brass City," has about 75,000 population and three retail stores, all well located near the center of town. Business has been excellent since the beginning of the Fall season, and the Christmas holiday trade was unusually fine, being far ahead of previous years. Two of the stores are open evenings until about 9 p.m.

Alex. Dallas has two retail stores, one at 26 No. Main and the other at 119 Grant st., near postoffice and railroad

WINNERS—Read Their Record

Pittsburgh, January 26, 1910

S. A. F. Silver Medal for best vase of 50 not yet disesminated—**Mrs. C. W. Ward.**
S. A. F. Bronze Medal for second best vase of 50 not yet disseminated—**Alma Ward.**
Best 100 light pink—**Mrs. C. W. Ward.** Best 100 white—**Alma Ward.**
Special Sweepstake Prize for best vase of any color—**Alma Ward.**

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full center; color deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems, 24" to 36" in length. A vigorous, healthy grower, and has never shown disease of any kind.

A very early and free bloomer, producing fine flowers as early as September 1, which bring from twenty-five to fifty per cent. more than any other variety on the market.

Rooted Cuttings, $2.00 per 12, $12.00 per 100, $100.00 per 1000.
25 at the 100 rate. 250 at the 1000 rate.
DELIVERY FEBRUARY 21st

ALMA WARD

This beautiful Carnation is pure white, except during dark weather, when it shows delicate splashings of pink similar to the Cattleya, increasing its popularity.

ALMA WARD is the largest, most fragrant Carnation ever grown, producing perfect flowers 3½" to 4½" in diameter, on strong, erect stems, 36" to 42" in length.

Rooted Cuttings, $3.00 per 12, $5.00 per 25, $9.00 per 50, $15.00 per 100, $35.00 per 250, $65.00 per 500, $120.00 per 1000.
DELIVERY MARCH 1st.

FORMER AWARDS

MRS. C. W. WARD

Silver Medal of the Society of American Florists, Boston, 1906.
The Craig Cup for Best Seedling, Philadelphia, 1906.
The Lawson Bronze Medal, Washington, 1908.
The Horticultural Society of N. Y. Silver Medal, Sweepstake Prize for Best 100 Blooms, New York, 1909.
The Horticultural Society of N. Y. Diploma for Best New Variety, New York, 1909.

ALMA WARD

The Lawson Silver Medal, Toronto, 1907. (No Gold Medal having been awarded.)
The Lawson Gold Medal, Washington, 1908.
Silver Medal of the Society of American Florists, Washington, 1908.

INVITATION We extend a cordial invitation to all those interested to visit our establishment, where they will have an opportunity to see these varieties growing and to compare their good point with other standard varieties grown under the same conditions.

COTTAGE GARDENS CO. Inc. QUEENS (L. I.), N. Y.

Please mention the Exchange when writing.

PLANTS AND ROOTED CUTTINGS

Fine, Clean, Strong, Well-Rooted Stock

Rose Cuttings

	100	1000
Richmond	$2.00	$17.50
Chatenay	2.00	17.50
Bridesmaid	2.00	17.50
Bride	2.00	17.50
Uncle John	2.00	17.50
Ivory	2.00	17.50
Killarney	2.50	20.00
Perle	2.50	20.00
Sunrise	2.50	20.00

Roses from 2½-inch Pots

	100	1000
Pink Killarney	$4.50	$40.00
My Maryland	5.00	50.00
Richmond	3.00	25.00
Chatenay	3.00	25.00
Bride	3.00	25.00
Bridesmaid	3.00	25.00
Uncle John	4.00	35.00
Ivory	4.00	35.00
Perle	4.00	35.00
Sunrise	4.00	35.00

Carnation Cuttings

	100	1000
O. P. Bassett	$6.00	$50.00
Victory	2.50	20.00
Beacon	2.50	20.00
Enchantress	2.00	15.00
Winsor	2.00	15.00
Rose Pink Enchantress	1.50	12.50
Lawson	1.50	12.50
White Perfection	2.00	15.00
White Lawson	1.50	12.50

PETER REINBERG, 35 Randolph Street, Chicago

Please mention the Exchange when writing.

Rochester, N. Y.

While many report good business for St. Valentine's Day, the volume can hardly be conceded to have been equal to that of previous years, owing, no doubt, to the fact of it coming in the season of Lent when but few parties were going on; also to the severe snowstorm which passed over the city the latter part of the week, not only encumbering transportation to a great extent, but preventing many from coming out; a great deal of transient business was lost in this way. Violets and plants were the most in demand, as usual. Red Roses would have sold readily, but the supply fell off just at the time they were needed. Red Carnations, however, were in good supply, but were not in great demand. However, most of the dealers feel satisfied and there is no doubt that with judicious advertising on the part of the retailer St. Valentine's Day would rapidly become one of the great days of the year for the florist to look forward to.

The Carnation market is rather demoralized at present, the supply being too much for the demand; especially is this the case with the colored sorts, such as pink and red Lawson; in fact, it seems that these two Carnations have had their day, and that those who grow them in quantity would do well to consider their retention for another year, and look about for something better to take their place. White Enchantress and Winsor are the leaders in demand, and if the stock is good sell readily; but there is so much that is not good, but it makes one wonder at times whether the Carnation was improving or deteriorating.

H. E. Wilson reports excellent business for St. Valentine's Day, he having to install two extra deliveries in order to handle the extra business.

The enthusiasm for bowling still keeps apace. About twenty were on hand last Thursday night, and the scores were much better; in fact, if all goes well they will be good enough to publish next week. The Club will meet at Laing's Alleys, North and Wells sts., next Thursday night. Four alleys will be used and it is expected that everything will go along much faster than was the case when using only two alleys.

The monthly meeting of The Association was held Monday, February 14. About 40 members were present. The principal business of the evening was the election of three trustees, the following being elected: Charles Suhr, F. R. Schlegel and J. O. Pridmore. Owing to the absence of the president the report of the banquet was held over until next meeting. Card tables are now in the room, and the members are free to go and come at leisure. Keys may be procured from the Secretary on payment of 25c. It is earnestly desired that the members will take advantage of the room.

H. B. STRINGER.

Washington, D. C.

The Lenten season, while exerting a sluggish influence upon trade generally and not usually embracing St. Valentine's Day as was the case this year, seemed in no particular way to prove a drawback to the day in question. The various stores about town were decorated with hearts in many pretty and attractive designs, and floral baskets of medium size formed no mean part of the day's sales.

So far as "Old Sol" was concerned, the ground hog was afforded every opportunity to take a good look at his shadow, and while the old prophesies in that connection have not received verification each day, there has been some hard weather. The night of Feb. 6 was a record breaker for this section, and by reason of the severe cold and high wind quite a number of losses were sustained among the growers, especially those operating the smaller places.

Mrs. Elizabeth V. Schmid died Feb. 9, at the residence of her son, Edw. S. Schmid, 712 12th st. N. W., with whom she had been making her home. The interment was in Rock Creek Cemetery. Mrs. Schmid was born in Switzerland in 1828, and 22 years later married Louis Schmid in her native town and sailed for America. Her husband started the first paper box factory in Washington, and was among the pioneers in the manufacture of wire designs for florists' use. He died about 16 years ago. In spite of her advanced years Mrs. Schmid was very prominent in a large circle of acquaintances and a charter member of the Swiss Ladies' Society here. She is survived by three daughters, Emma and Alexandria Schmid and Mrs. Kate Tayman, and two sons, Edward S. and Frank Schmid. The family, since its arrival here, has enjoyed the greatest popularity, especially among florists, and they have received letters of condolence from all parts of the country.

JAS. L. CARBERY.

New Bedford, Mass.

The cut flower trade has been fair the past week. Funeral work has been very good, using up lots of seconds; Carnations of good quality are coming in; these retail at 50c. and 60c. per doz. Roses, $1.50 and $2 per doz. Violets, $1 per 100. Sweet Peas, $1 per 100. Some nice Tulips are coming in, at 60c. per doz. Paperwhites, Daffodils, etc., are also in evidence at 60c. per doz. Mignonette, 50c. per doz. Above are retail prices.

Napoleon Lemay is growing large quantities of Sweet Peas, which he is selling to the florists at extremely low prices.

Wm. E. Mosher on North st. is picking large quantities of fine single Violets, which find a ready sale at all times.

E. H. Chamberlain reports the sale of plants as fair; the cut flower trade has been somewhat slow with him the past few weeks.

The weather the past week has been cold; everyone is getting ready for Easter; we wish all good luck.

HORTICO.

The effect of Bordeaux mixture on foliage depends very largely upon the weather; the copper being rendered soluble by the action of the atmospheric moisture, so that chemically identical preparations may scorch badly or show no evil effect as the case may be. The temptation in the first case is of course to blame the maker, but this, it should be recognized, might be a rank injustice.

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Wants Catalogs

F J. McSweeney, R. F. D. No. 1 Dunbarton, Va., has started a greenhouse establishment, with a King construction house, 28 by 206 ft., and would like to receive catalogs from the trade.

MELROSE, MASS.—F. O. Taylor has opened a new florist store on W. Emerson st.

The American gallon is nearly one-fifth less in measurement than the English: 8,345—10 lbs. This fact should be carried in mind, particularly when making up recipes, as the difference is sufficient to render a recipe dangerous on the one hand and perhaps useless on the other.

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MOLINE, ILL.—Peterson & Eckstam Bros. have opened a retail florist store at 1229 Fiftb ave.

RIDGEFIELD, CONN.—Wm. Pinchbeck will shortly open a retail store in connection with his greenhouse.

Easter Lilies

For sale a large quantity of Giganteum Lilies for Easter, at 10c. per bud and bloom, to be shipped a week before Easter. Will book your order now.

ARTHUR COOMBS, Florist
West Hartford, Conn.
Please mention the Exchange when writing.

Cinerarias
ALL SOLD
R. G. HANFORD, Norwalk, Conn.
Please mention the Exchange when writing.

TO USERS OF APHINE

Please note the following modifications in directions for applying, which, if carefully followed will prove effective for the destruction of all insects. Intended

For Green, Black & White Fly,
1 part Aphine to 35 to 40 parts water.

For Red Spider, Thrips & Slugs,
1 part Aphine to 20 to 25 parts water.

For Mealy Bug, White & Brown Scale,
1 part Aphine to 12 to 15 parts water.

$2.50 per gallon

Aphine Manufacturing Co.
MADISON, N. J.
Please mention the Exchange when writing.

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ASPARAGUS plumosa, 3-in. pots, $5.00 per 100.
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ROOTED CUTTINGS from soil, $1.00 per 100.
Heliotrope, dark blue and white; Feverfew, Lobelia, double and single, blue; Ageratum, Cigar Plant, Parlor Ivy, Geraniums (assorted varieties).
Cash with order please.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.
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CINERARIA PLANTS

Large Stocky Plants, in 6-inch pots, in close bud, will make fine 8-inch plants for Easter. **$25.00** per 100.
Also Fine Stocky Plants, in 4-inch pots, in close bud, will make fine 6-inch plants, **$1.00** per doz., **$8.00** per 100.
GENISTA Fragrans, stocky, 6-inch pot plants, in bud, **$4.00** per doz.; also fine 5-inch pot plants, **$3.00** per doz.
ASPARAGUS Plumosus Nanus, 3-inch pot plants, very stocky, **$6.00** per 100.
DAISIES, in bud, 2½-in. pots, **$5.00** per 100; 5-in. pots **$2.40** per doz.; 6-in. pots, **$4.00** per doz.; 8-in. pots, **$9.00** per doz.; 10-in. pots, **$2.00** per plant.
Lilies, Azaleas, Tulips, Daffodils, Hyacinths, Spiraeas, etc., all in good shape for Easter sales
J. WM. COLFLESH, 53rd St. and Woodland Ave. **Philadelphia, Pa.**
Please mention the Exchange when writing.

300,000 COLEUS $4.00 per 1000, 60c per 100. By mail. 60,000 good, strong, clean, well-rooted cuttings; now in sand. 300,000 more coming on; Verschaffeltii, Golden Bedder, Queen Victoria, Firebrand, and all other leading varieties. Come and see them. Cash with order.
C. SCHULZE & SON, 261-275 Lawrence St. FLUSHING, L. I., N. Y.
Please mention the Exchange when writing

NEW CHRYSANTHEMUM
Mrs. Jane Cockburn
EARLY PINK
Ready for February and March delivery. Blooms first week in October.
Beautiful mauve pink. Good keeper and shipper.
$6.00 per 100, $50.00 per 1000. Five hundred at one thousand rate. FIRST COME, FIRST SERVED.
SAMUEL COCKBURN & SONS
233rd St. and Verio Ave., Woodlawn, - - NEW YORK CITY
Please mention the Exchange when writing.

New Methods of Plant Breeding

BY

GEORGE W. OLIVER, Plant Propagator

U. S. DEPARTMENT OF AGRICULTURE. BUREAU OF PLANT INDUSTRY—BULLETIN No. 167. B. T. GALLOWAY, CHIEF OF BUREAU.

For the plant breeder, whether the pursuit be a life endeavor or simply having to do with one subject, or be he scientist or plain every day grower, we do not know of any work on the subject which possesses greater interest or whose teachings may be more readily followed and assimilated than those herein given by Mr. George W. Oliver.

When one contrasts this modest little Bulletin, so much of the contents of which are entirely new, and containing such a valuable repository of information, with the much lauded productions emanating from certain other sources, the reader will freely admit that, through its Bureau of Plant Industry, the U. S. Department of Agriculture is doing grand work, and that, enlisted in its service, are to be found some of the most capable investigators in the country of whom Mr. Oliver is a prominent type.

We are tempted to reproduce this Bulletin in full, but must forbear. Copies can be obtained by addressing the Superintendent of Documents, Government Printing Office, Washington, D. C. The price is not stated, but probably will not exceed 25 cents.

In his "Introduction," the author says:

A few years ago Dr. B. T. Galloway, Chief of the Bureau of Plant Industry, mapped out some plant-breeding work for the writer which involved crossing varieties of Lettuce, Alfalfa, and Cowpea, and also certain species of Poa, Trifolium, Melilotus, etc. The work in the beginning presented many difficulties which have since been overcome, and it is now progressing satisfactorily.

The improvement of plants by cross-breeding varieties is gradually becoming an important factor in the culture of many of our field and garden crops. The majority of intentional crosses and hybrids made in the past represent work which has been easy of accomplishment. The more difficult subjects have been passed by or at most the efforts of breeders with the hitherto refractory genera have to a large extent been nullified by natural obstacles in the path of success.

The only difficult part of plant breeding lies in knowing just how to make the most of a cross or hybrid which has been secured. The literature on this subject which has appeared during the last few years is apt, unfortunately, to lead the beginner and even the practical breeder into a maze, and he may conclude that the subject is too complex for comprehension.

This should not cause discouragement, however, because the mission of the plant breeder is to produce varieties which are in some measure improvements over the old ones, and each advance made will tend toward that perfecting of plant life which will insure better products for man and the domestic animals.

The present contribution to the subject deals not with laws, but with methods used by the writer in accomplishing what have hitherto been considered impossible or difficult crosses, and they may prove helpful to others engaged in the same line of work.

Until recently it has been found impossible to cross many plants owing to the fragile nature of the sexual organs. This difficulty has been removed, and the process whereby it has been accomplished is here described for the first time.

There are numerous plants, also, both ornamental and economic, the flowers of which are so small that their stamens are very difficult to remove in the process of emasculation, and this fact has undoubtedly contributed largely toward delaying the rapid improvement of many flowering plants, fruits, and vegetables by cross-breeding and hybridizing. Mendel, who did so much in his particular line, worked with two genera only: Pisum and Hieracium. The former is easy to manipulate, but all the species of Hieracium present difficulties in emasculation which by the ordinary methods are practically insurmountable. In fact, Mendel found them so great that he did not finish his work on this genus. Nevertheless, in the flowers of the Hieraciums, and many other plants regarded as equally difficult, the pollen can be thoroughly removed, and with as great facility as in those of the Rose or any other flower in which the reproductive organs are large and easily handled. This new process, which may be called "depollination," is the removal of pollen from the stigma before fecundation has taken place. It is applicable to flowers in which emasculation is impracticable because of the minuteness or delicacy of the floral organs. It is hoped that this newly found method of preventing fecundation by undesirable pollen will be instrumental in furthering the projects mapped out by the ever-increasing number of plant breeders.

The writer has worked on several genera of the Compositæ with complete success. The method here described can be used not only with the Compositæ, but also with all flowers having reproductive organs too small to be successfully manipulated by the ordinary methods of emasculation. The use of the method does not stop here. It can also be applied to the stigmas of larger flowers when there is any doubt whether pollen has recently gained access to the stigmas previous to artificial pollination.

The writer then describes the "Origin of the New Methods of Plant Breeding" as perfected by him:

During the Spring of 1903 work was begun on the crossing of certain varieties of forcing Lettuce. When the plants came into flower it was at once apparent that the problem of emasculation was a knotty one. The flower heads are small and the florets themselves will scarcely bear handling because of their very fragile nature. In one or two instances the stamens were removed, but always with sufficient injury to the remaining parts of the flower to cause it to wither. A flower of Lettuce is in fact about as difficult to manipulate by the usual methods of emasculation as it is possible to conceive.

When the flower head expands, the anthers have already dehisced, and the unexpanded stigmas are covered with pollen. The stigmas begin to expand at the tips, and simultaneously masses of pollen fall on the inner surfaces, to which the pollen closely adheres. In the bud stage the parts of the floret are so easily damaged that endeavors along this line of attack were quickly abandoned. Having read somewhere that pollen grains would adhere readily to the end of a piece of sealing wax previously rubbed briskly, wax was tried, but without success. The idea then suggested itself that the pollen might be successfully removed with a dampened camel's-hair brush. This plan was also a failure, because with the operation ever so carefully performed some of the pollen grains were left on the stigmas.

Success finally came, not with the aid of a camel's hair brush or sealing wax, but with the aid of the garden hose. A robust plant of the Grand Rapids variety of Lettuce opened 15 flowers one morning, and within as many minutes every flower was successfully depollinated. The metal attachment on the end of the hose was cut off; a piece of hose of smaller diameter was placed in the end of the other hose; then a piece of soft rubber tubing of small diameter was placed inside the second piece of hose and the water turned on just enough to do a little more than trickle. By squeezing the end of the rubber tubing a very tiny jet of water was secured. This was trained on the Lettuce flowers, and perfect depollination resulted.

After the tiny jets of water had played on each flower head for a few seconds not a trace of pollen was to be found and the pistils stood out from the ligules strong and unharmed. Small pieces of blotting paper freely applied to the florets edgewise soon absorbed all of the water. Pollen from the flower of another variety was then applied. In each of the 15 heads of flowers, seeds matured, and all of the resulting seedlings proved to be intermediate between the two parents.

In depollinating, the flower head is held securely between the thumb and the first and second fingers, and in pollinating it is similarly held. In applying the pollen to the stigmas one head of flowers from the pollen bearer is used, or more than one if sufficient pollen is not deposited on the stigmas. Before applying the pollen a few or all of the ligules should be cut off from the pollen-bearing head of flowers, leaving only the pollen-covered stigmas, and the remaining part of the head applied to the flowers which have been depollinated, working it among the stigmas with a circular motion.

In pollinating Lettuce flowers and those of other genera in this division of the Compositæ there is not the same necessity for depositing the pollen on the stigma of each floret as there is on the flowers of the plants of the other divisions, because the Lettuce flower heads close very soon after pollination. This act of closing will almost certainly cause the slender stigmas to become well covered with pollen because, in the act of pollinating, the ligules are apt to harbor many grains of pollen. * * *

Experiments with Lettuces are then related.

The tools required for depollination and emasculation are described and figured, as also the various devices used in depollinating.

Emasculation is held to be a necessary preliminary to successful plant breeding. The author then shows how to overcome obstacles in emasculating the flowers of Compositæ, and how hybrids and crosses of composite flowers may have originated in the past. It is quite possible that a long continuous shower will wash the pollen from the stigmas of a composite flower and that as soon as the sun shines these flowers are visited by insects whose bodies are occasionally covered with pollen obtained from florets of other varieties or species which open and shed their pollen, either before or subsequent to the pollen-removing shower of rain. It is certain that cross-fertilization may take place in this way. Those species and their varieties having infertile ray florets can be crossed only when the disk florets, containing both male and female organs, are used as the seed bearers. All of the work in breeding composite flowers is rendered simple by the depollinating method. Especially is this the case with Chrysanthemums, Asters, Dahlias, Marigolds, Cineraria, Cosmos, Zinnias, Lettuce, and with all the numerous genera having infertile ray florets.

Next in order is given the preparation of seed and pollen bearing parents, and great stress is laid upon the necessity for absolute isolation from insects of the plants from which pollen is to be selected for use in crossing if a successful outcome is to be had.

We feel impelled to reprint in full Mr. Oliver's observations on "Crossing in Large and Small Numbers;" it is most interesting:

A matter of importance in plant breeding and one which does not receive the attention it deserves from the practical breeder is the grouping of varieties into at least two classes for somewhat different treatment in crossing. In the first division all the plants we now call varieties, which come true from seed, no matter how they originated, may be termed artificial species. This division includes garden and field crops, such as Lettuce, Cabbage, and Turnips; Radishes and others of this family; Onions and other plants of the same natural order; Carrots, Celery, Parsley, and Parsnips; the cereals; varieties of Alfalfa, and many others which come true from seed and are only propagated sexually. With these there is no necessity for raising many individuals of the first generation. If the breeder succeeds in getting a desirable cross between two well-defined kinds, a few individuals of the first generation are enough, provided the work of emasculation or depollination and the application of pollen to the flower so treated is not carried out in a perfunctory manner. The individuals of the second generation, if they are sufficiently numerous, will give the variations from which to choose selections for perpetuating.

The second great division includes those plants which do not come true from seed, or at least have never been bred to reproduce in that manner. The treatment in crossing is different from that which should be accorded the sexually propagated varieties, in that large numbers of the first generation are necessary, so that the chances of securing improved forms will be greater in proportion to the number of seedlings raised from any one cross. Nearly all fruit and nut trees, Grapevines, bush fruits, Strawberries, and Potatoes are included in this class; also many florists' flowers, such as Roses, Carnations, Gladiolus, Dahlia, Fuchsia, Chrysanthemums, and Pelargoniums. When the desired improvement is attained by crossing any two varieties, one plant of the improved form is sufficient to start with, and that is increased vegetatively, i. e., by cuttings, budding and grafting, layers, bulblets, cormlets, etc.

In this second division, when breeding improved forms by crossing is attempted we look for results in the first generation; consequently, the number of flowers pollinated must be large, so that the seed ripened will be in quantities large enough to give the necessary variation in the resulting seedlings. The plants mentioned above which are propagated asexually are all hybrids, crosses, or sports which have never been bred sufficiently to come true from seed; thus, when any two plants of distinct varieties are crossed we never can tell exactly what the progeny will be like, and it is as a rule so very varied that if we get one seedling in five thousand possessing characters superior to either parent we are doing well.

The notes on "Hybridizing Species" and "Grass Hybrids," show much painstaking effort.

To the florist that portion of Bulletin No. 167 which deals with the plants familiarly known to him will naturally be of most interest. The author gives results of experiments in crossing cultivated varieties on natural species, in Pansies and Dahlias with successful results.

Under the heading of "Methods of Emasculating and Pollinating Common Flowers," are given (1) The essential organs of the flower; (2) Preparation of flowers to be pollinated; (3) Removal of the anthers; (4) Securing pollen; and (5) Applying the pollen to the stigma.

Much of the interest of this Bulletin lies in the fifteen clear and illuminative plates which are given, and which serve to reinforce to a noteworthy degree the lessons conveyed in the text.

Specific notes on many florists' flowers are to be found scattered throughout this Bulletin.

Elder Wood Dried Makes Lasting Stakes

Mr. Meehan has remarked that it is a mistake to think that Willows need wet situations. As a matter of fact the common green and red Willows will thrive on dry sandy soils. On our own place we have used Willow sticks for dividing the Sweet Pea selections; these sticks invariably take root and, if not checked, will make strong growths from 4 ft. to 7 ft. high, and this from roughly cut sticks, one foot in length, stuck in the ground in February. I know of no tree that roots so readily and which makes such wonderful growth in seven months. These young plants make extraordinary roots, many running over two feet.

The only tree that approaches it for easy rooting is the common Elder. This can become an abomination, and in one garden I tended it caused me to use much bad language, for if by chance any bits of wood got in the ground an Elder plant was sure to appear. On one occasion I used a 2-in. Elder stake as a support for a fruit tree, and it took two years' constant removal of growths before that stake gave up the ghost. Incidentally, I might mention that Elder wood, if thoroughly dried out, makes wonderfully lasting stakes for driving into the ground. Many old Kentish men say there is no wood that lasts longer than Elder. T. A. W.

New York Florists' Club

A regular monthly meeting of the New York Florists' Club was held at the Club's rooms in the Grand Opera House Building, 23d st. and Eighth ave., on Monday evening, Feb. 14, with a large attendance. It being a "Ladies' Night" quite a number of ladies were present. A splendid program of entertainment was provided, and an excellent lunch was served. It was also Carnation night, and there was an exhibition of Carnations which has hardly been exceeded in quality on any occasion in New York.

President A. L. Miller occupied the chair, and after the reading of the minutes of the previous meeting called upon Walter F. Sheridan, as chairman of the dinner committee, for a report. Mr. Sheridan said that his committee had selected the Fifth Avenue Restaurant, Broadway and 23d st. as the place where the dinner would be held, and the date settled upon was March 17. The restaurant, he said, was in the new building on the site of the old Fifth Avenue Hotel, and the dining room the Club would use was on the ground floor, just off Broadway. It was large enough to accommodate about 400 people and the tables would be arranged to seat from four to eight persons. The price of tickets would be for gentlemen $4 and for ladies $3, and reservations for tables or seats would be made in the order of receipt. A suitable entertainment during dinner is to be provided. The reason for making the date March 17 was that at that time the American Rose Society would be holding its annual convention in New York. Mr. Sheridan said he had been asked, as chairman of his committee, to meet the committee appointed by the Club to arrange for the entertainment of visitors at the convention, with a view to acting conjointly, and he suggested that both committees be authorized to join hands in an endeavor to formulate a plan which should meet the approval of the Club.

Patrick O'Mara moved that the report be accepted and that the dinner committee be empowered to confer with the entertainment committee, as suggested by Mr. Sheridan. The motion being carried, both committees withdrew for conference, and later in the evening Mr. Sheridan, as a result of the conference, made a motion, which was carried unanimously, that the dinner committee be authorized to invite to the dinner, as guests of the Club, the visiting members of the American Rose Society.

The following were elected to membership in the Club: Stevens Masur, 236 Fulton st., Wm. H. Kuebler, 28 Willoughby st., and Robt. Hamilton Rutherford, 40 McDonough st., all of Brooklyn, N. Y.

Abe Hanig of Brooklyn was nominated for election at the next meeting. A letter from Morris I. Jacobs was read, resigning his membership, and the resignation was regretfully accepted.

W. H. Taplin of Flatbush then read a paper on "Carnations Past and Present." This, with the ensuing discussion, will be found on another page.

Secretary John Young reported the death, in Wisconsin, of the father of C. W. Scott, an esteemed member of the Club, and President Miller appointed J. H. Pepper, A. J. Guttman and Louis Schmutz, Jr. a committee to prepare a memorial.

At this stage of the proceedings President Miller vacated his chair in favor of J. B. Nugent, Jr., chairman of the entertainment committee, who introduced several musical artistes. Miss Sabery Dorsal gave the "Forest" song from "Robin Hood" and "Every Rose must have a Thorn," very acceptably, showing herself to be the possessor of a voice of remarkable compass. Mr. Russell Kelly gave an excellent 'cello solo, accompanied by Miss Gillis who also accompanied Miss Esther Moltz in two excellent vocal solos. Miss Barnett gave three capital recitations, and Mr. Blythe a couple of comic songs. Mr. Kelly also played a composition of his own on the piano. Of course every performer was heartily encored. At the conclusion of the first half of the program the ladies were conducted to an ante room where salads, cakes, ice cream, coffee and punch were served by gallant volunteer waiters; and the male portion of the gathering rejoiced in a similar manner within the confines of their "canteen," where the *piece de resistance* was a huge joint of beef, which Robert M. Schultz apportioned in a masterly manner.

Exhibits

The Fillow Flower Co., Westport, Conn., staged a splendid vase of their new scarlet Carnation Juanita, and a few flowers of a new variegated variety, something on the order of Conquest. Henry Eichholz of Waynesboro, Pa., had a vase of Princess Charming for which the committee on awards gave a scoring of 86 points. Nic Zweifel of North Milwaukee, Wis., staged a vase of Bright Spot which gained the award of honorable mention. Jos. Heacock Co. of Wyncote, Pa., gained the prize for the best novelty sent out in 1909-10 with a splendid vase of Dorothy Gordon. The Cottage Gardens Co., Queens, L. I. took the prize for the best exhibit of Carnations, with handsome vases of Mrs. C. W. Ward and Alma Ward, the latter also taking the prize for the best 50 Carnations. J. F. Marsden, Far Rockaway, L. I., was awarded a cultural certificate for vases of White Perfection and Enchantress. Other exhibitors were: S. J. Reuter & Son, Westerly, R. I., vase of Sangamo; A. N. Pierson, Cromwell, Conn., vase of Pink Delight; White Bros., Gasport, N. Y., vases of Beacon and White Perfection; Saltford Flower Shop, Poughkeepsie, N. Y., a vase of variegated seedlings; Wood Bros., Fishkill-on-Hudson, N. Y., vases of White Enchantress, Lady Bountiful, Crimson Beauty, Beacon, Mrs. T. W. Lawson, Kingston Pet, and Variegated Lawson; A. Demoosy, Flatbush, vase of White Enchantress, and Charles Weber, Lynbrook, L. I., N. Y., a vase of his new Carnation Brooklyn. For all these stagings the exhibitors received the thanks of the Club. Young & Nugent, New York, exhibited a St. Valentine's Day floral piece, of cone shape, with hinged cover, designed to contain flowers, candies or other gifts; it was covered with red Carnations, Orchids and pale green ribbon, and was much admired by the ladies.

European Sweet Pea Notes

The Sweet Pea Annual for 1910 is just received, and like everything else this season is a little behind time. The get-up is similar to last year's annual, but the size has been increased by 16 pages. The contents are amply varied as the following index shows: "A Great Sweet Pea Carnival," by Mr. S. B. Dicks, F.R.H.S.; "Sweet Peas from Cuttings," by Mr. J. Chisholm; "Notes on the Reading Trials," by Mr. Chas. Foster, A.U.C.R.; A Complete Catalog of Sweet Pea Names and Descriptions, compiled by Miss Jessie Cuthbertson and the Hon. Sec.; Report of the Sweet Pea Conference Proceedings, including "Imperfect Seeding of Waved Sweet Peas," by Mr. W. Cuthbertson, J.P., and "Sweet Pea Names and Naming," by Mr. W. J. Unwin; Report of Floral Committee; The Society's Outings; Audit of the London Show, 1909; A Great Sweet Pea Election; Prize Winners at the London Show, 1909; Annual Report and Balance Sheet.

The schedule for the tenth exhibition which accompanies the Annual is drawn up on the same liberal lines as last year, and is certain to provoke very keen competition. For the first time in the history of the Society the exhibition is to extend over two days, July 12 and 13. As the sun does occasionally shine during July, even in London, this will put the value of the flowers for decorative purposes to a severe test.

American members of the N. S. P. S. will receive the Annual on payment of their annual subscription—minimum $1;—to non-members it will be mailed post free for fifty cents, by C. H. Curtis, Hon. Sec., Adelaide Road, Brentford, Middlesex, England.

The additional privileges are worth far more than the other fifty cents, so I suggest to all readers of these notes the advisability of sending along the nimble dollar and thus becoming full-fledged members, with the privilege of putting the M. N. S. P. S. at the end of their names.

There is no lack of literature for Sweet Pea enthusiasts this season.

"Uncle Robert" is well to the fore with the tenth edition of his valuable book "All About Sweet Peas," which, in addition to a mass of useful information, historical and cultural, contains a full description of nearly every variety in commerce. It is sold at 12c. and 25c., plus postage about 6c., and can be obtained from Robert Sydenham Limited, Birmingham, England. The profits on the sale of this book are handed over to the gardeners benevolent institutions.

Walter P. Wright's "Book About Sweet Peas" is the work of the highly respected chairman of the floral committee. The book covers a wide range of subjects and is written in a very free and easy style, which will make it equally serviceable in the drawing room or the gardener's shed.

"The Book of the Sweet Pea," by D. B. Crane, is one of the series of "Handbooks of Practical Gardening," edited by Harry Roberts, and published by John Lane of London and New York. It is a very readable and thoroughly practical treatise, helpful alike to the amateur and the professional gardener. The historical notes are very complete and their source is honestly acknowledged, which is not always the case in these days. The seventeen halftone illustrations are very fine, and the general appearance of the book is highly creditable to the publisher. The published price is 60 cents.

S. B. DICKS, F. R. H. S.

The American Sweet Pea Boom

Everything that is anything is boomed in America, and as Sweet Peas are looming pretty large in these enlightened days they have been subjected to the inevitable, and with the usual result.

Readers of the Sweet Pea Number of the Gardeners' Magazine will naturally inquire how the boom originated, and the object of the present article is to answer the question as fully as the available information permits. So far as the writer is able to learn, there is good reason for believing that its origin was the interest taken by British gardeners who had settled in the Eastern States, particularly Massachusetts, in the important work of Henry Eckford.

Many of these worthies hailed from the Land o'Cakes, and naturally took a sympathetic interest in the achievements of a "brither Scot." The enlightened and important Scotch element in the seed trade of Boston, the center of the movement, was not slow to take advantage of the opportunity thus presented to foster the culture and love of this beautiful flower, and, incidentally, of course, gather in the shekels at the same time. The horticultural societies did all in their power to develop the interest thus aroused, and the comparative ease with which they could be grown soon filled New England with enthusiasts, and thus started the boom.

Among the earliest and most whole-hearted of the devotees at the Sweet Pea shrine was the Rev. W. T. Hutchins, who was located at that time at Indian Orchard, Mass. A fluent speaker, and a prolific writer, full of energy and zeal, his glowing descriptions of the beauty of the flower, and practical demonstrations of its adaptability to the New England climate, soon found their way into the most widely circulated journals and magazines in the Yankee States.

As only a paltry 300 miles separate Boston and New York, the leading seed firms in the Empire City were soon close upon the heels of their confrères in the modern Athens, and the contagion soon spread to the city of brotherly love (Philadelphia). Mr. Burpee having satisfied himself that the Sweet Pea was "all right," by submitting it to severe and practical tests on his Fordhook Farm, with characteristic foresight enlisted the practical sympathy and aid of the Rev. W. T. Hutchins, and from this point the success of the Sweet Pea boom was assured.

For a time the principal source of supply was Europe, and particularly England, but as the possibilities of California as a seed-growing center were becoming more widely recognized every day, experiments were made with Sweet Peas, and the result of the culture is known to us all, it having been demonstrated that some of the best Sweet Pea seed in the world could be produced in that glorious climate.

As the cheap Chinese labor was available, and the crop, at prices then ruling, was extremely profitable, the growers quickly lost their heads, and the market was soon glutted with a huge surplus, which, in the main, had not been cultivated with much regard to quality or purity of stock. As the American market was then practically closed to European growers, save for stock seed of the latest novelties, the culture on this side was naturally curtailed, and as the California growers did not care to continue a culture which threatened to become unprofitable, it appeared, for a time, as if there would be a Sweet Pea famine, but this was prevented by the intelligent action of Morse, Rohnert, and the Sunset Company, who resolutely set themselves to remove the existing reproach which rested on the quality of California-grown seed, and, by winning back the confidence of the buyers, obtain a price which would enable them to grow it at a profit.

The unfortunate seasons which European growers have experienced since that time have been all in favor of the Californian grower, who has once again contracted the Sweet Pea fever, and, but for the European failure, would have been heavily overloaded once more. Nearly 1000 acres in different parts of that vast country were devoted to this crop last year, and so abundant has been the harvest that some of the large commission houses have been able to obtain their supplies at less than half the contract prices. This will, it is to be hoped, check the wild speculation referred to, and place the culture on a sound, profitable, and honorable basis.

As regards the culture of the Sweet Pea in America, by the Americans in their own private gardens, I am pleased to be able to report that it is still going strong. The good work done by the N. S. P. S. in this country is being taken up in America, and a National Sweet Pea Society has been established in New York State, which will carry on the good work initiated in London.

Very interesting testimony to the enthusiastic cultivation of the flower will be found in my article on "A Sweet Pea Carnival," which appears in the N. S. P. S. "Annual" for the present year; doubtless similar conditions obtain in many other places. All this goes to prove that in these days, at any rate, the Sweet Pea is not

"A flower born to blush unseen,
And waste its sweetness on the desert air."

S. B. DICKS in *The Gardeners' Magazine.*

Fuchsia Improved Emma Toepfer

This improvement of a popular Fuchsia is the result of years of careful cultivation by Johann Nissle, city gardener of Kaufbeuren, Germany, who describes his process in a recent number of Moeller's Deutsche Gaertner-Zeitung. Using only cuttings of plants with large flowers, and that had been under the highest cultivation, he finally succeeded in producing this very large-flowered variety, which he considers one of the finest of the present day Fuchsias. The sepals are light carmine in color, while the very double corolla is a delicate pink. The plant grows to a height of a little over three feet, and is much more erect in habit than its parent; it is a very free bloomer. It is especially adapted for pot culture, and should become one of the best sellers when more widely known. The originator has also used it for planting in masses, with splendid effect. And he has also trained it into very pretty little standards, that were still blooming in the middle of November. It does not demand more as to culture than any other Fuchsia, rich, somewhat sandy soil, being best adapted to it.

Readers are requested to write us on any subject bearing on trade conditions. If the subject interests them it will, in all probability, interest many others.

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The Orchid Exhibition at Boston

Rule 9 in the general schedule of the Mass. Hort. Society, which reads: "No prize shall be awarded for any plant or other article unless such plant, or the plant producing such other article, shall have been the property of the exhibitor for three months next preceding the award, except such variety be exhibited for the first time in this country or where special exemption is made from this rule in the schedule," will be suspended for the Orchid Show in May. Thus persons having plants in their possessions for only a short time can exhibit them in competition.

The complete schedule for the Orchid Show in May will be sent out about March 1; those desiring copies should write to Wm. P. Rich, Hort. Hall, Boston.

The Establishment of a Parcel Post

The Boston Gardeners and Florists' Club, at its meeting on Tuesday evening of this week, again came to the front with an unqualified endorsement of the establishment of a Parcel Post in the United States. Here is further proof that the people are awakening to the need of this much to be desired convenience. The Society of American Florists and the Newport Horticultural Society, in our own line, have placed themselves under record in favor of Parcel Post, and we trust that every club and national society throughout the country will do likewise, and do it at once.

We are bound to have Parcel Post one of these days; why not now?

In this connection, here is what a Canadian paper has to say of the opposition to the will of the people manifested by our Congressmen and Senators:

Americans "Bossed."—The people of the United States cannot have a parcel post because the express companies will not hear of it; they cannot have postal savings banks because the private savings banks will not allow it. For a people who are supposed to govern themselves, our neighbors are "bossed" worse than any other nation in the world.—Victoria Colonist.

No Increase in Second-Class Postage Rates

We are advised that the Post Office Appropriation Bill will be reported this week and that there are no provisions therein looking to an increase in second-class mailing rates, although some steps have been taken directed against those publications which pad their circulation.

Not alone our readers, but all those who subscribe for publications, are to be congratulated on the successful outcome of the fight which has been made against the increase in second-class rates as, most undoubtedly, had there been such an increase made, it would have caused a rise all along the line in the subscription price of nearly every publication.

The contention of President Taft and the post office authorities that the second-class rate is a subsidy to publishers is an incorrect view; instead of that, it is a benefit to all subscribers for publications for the reason that publishers have invariably passed this benefit on to their readers in the form of a low subscription price which would have been impossible otherwise.

If The Florists' Exchange had been compelled to pay more than 1c. a pound for mailing it would have had to raise its subscription rate 25 cents for each additional 1c. charged on the pound rate. As it is now we pay practically 20c. a year postage on each subscription we fill.

Government Free Seed Distribution Condemned

At the meeting of the Boston Gardeners and Florists' Club on Tuesday evening of this week, with a representative membership present, the Government Free Seed Distribution was pronounced a humbug which should be done away with.

In this sentiment, and with the distribution as now conducted, we heartily concur. Organizations of florists and nurserymen, both State and National, should take this matter up vigorously and all the craft place itself on record. We have nothing to say against the distribution of rare seeds or plants, which was the intent of the law as originally passed, but when it comes to distributing ordinary garden seeds by the millions of packets, it is surely high time that the voice of the country was heard and effective steps taken toward the terminating of this uncalled for free dispensation of the people's money. Government, as has often been pointed out, might as well undertake the free distribution of shoes and clothing, or any other supplies, and with equal reason.

ILLINOIS STATE FLORISTS' ASSOCIATION

Proceedings of the Fourth Annual Convention held at Champaign-Urbana, Ill., Feb. 15-16, 1910

By Telegraph.

About 200 Illinois florists attended the fourth annual convention of the Illinois State Florists' Association held at Champaign—Urbana, Ill., Tuesday and Wednesday, February 15-16. The delegates were met at the railroad station by the officers of the Association and proceeded at once to the University of Illinois where a group photograph was made on the steps of the new Auditorium. The delegation then passed on to Morrow Hall, in the Agricultural Building, where the first session was held.

Tuesday's Session

The first session of the convention opened on Tuesday afternoon at 2 o'clock in Morrow Hall. Dr. Edmund J. James, president of the University of Illinois, formally opened the meeting with an eloquent address of welcome. The address was ably responded to by Phil. J. Foley of Chicago. The secretary, J. F. Ammann, then made his annual report as follows:

Secretary's Report

Your secretary begs to report a total membership of 175, divided as follows: life members 18, annual members 153, honorary members 4. There has been one death in our ranks during the past year, namely, that of J. B. O'Niell of Chicago, whose early demise we all deplore. We have increased our life membership by seven members. The number of annual members taking out life membership having been greater than the number of new annual members received has decreased our annual membership by two.

The trade papers have, as usual, given us good assistance in our work, and we all feel much indebted to them for it. Much progress has been made in our experimental work which will be reported to you more fully later by Secretary Rudd of the advisory board.

In the matter of data I am sorry to report very slow progress. It seems there are still a great many florists throughout the State in a dormant condition, who need forcing. For instance, out of 400 return postals mailed I received less than 100 answers, so you see the percentage of dormant stock is large. I believe, however, I have sufficient data to make a fairly accurate estimate on the area of glass throughout the State, as soon as the same can be computed, which I regret to say I have so far not found time to do.

The membership of this Society should be larger. I regret to say the officers—especially vice-presidents—do not give this important part of our work the attention it should have. Some means should be devised by which our membership would be materially increased. Present members who are in arrears for dues should be urged to pay up and take more interest. The secretary has tried various means, through correspondence, to accomplish results on these lines, but so far has received little encouragement for his work.

Treasurer Frank L. Washburn made his report covering the finances of the Association which was referred to an auditing committee.

The report of W. N. Rudd, the secretary of the advisory board for the experiment station was then read by that gentleman. The report was as follows:

Report of the Advisory Board for the Experiment Station

Your board begs to report that since the last annual meeting of the Association three meetings of the board have been held, two at Urbana on July 12 and Dec. 27 respectively, and one at Chicago on Feb. 4. The board would state that the work entrusted to them has not suffered by reason of the small number of meetings, but, on the contrary, the business has been thoroughly attended to; while as each meeting causes an expense which must come out of our fund, money has thereby been saved and added to the amount available for the practical work. At the meeting of July 12 the full board was present, as well as Messrs. Blair, Dorner and Nearling of the station staff. Financial statements showed something over $200 of the appropriation unexpended on July 1. The report showed, roughly, that about one-half of the appropriation, namely $7500, or a little more, had been expended for buildings and equipment, and also that nearly an equal amount had been contributed from the general station fund toward the building of the new greenhouses, which had cost a total of about $14,000.

In this connection it is proper to make known to you the grand support which has been given us by Dean Davenport and Professor Blair. They have shown the greatest interest and enthusiasm in our work, and although it is a well-known fact that their general funds are scanty, placed at our disposal nearly $7000, which enabled us to complete the greenhouse plant and get to work in a thorough and systematic manner.

Mr. Dorner read a general report of his work for the past year, that is the year 1908-09, with suggestions for the work to be taken up during the coming year. This report was carefully considered, the matter viewed from all points, and it was decided to continue the fertilizing experiments on Carnations, and also, on the completion of the new houses provided for below, to take up a similar line of work with Roses, together with some work on Cucumbers.

It appearing that by economy the amount could be spared, the sum of $4500 was appropriated to complete one new double greenhouse similar to the one previously built, with an additional boiler, if possible.

At the meeting at Urbana Dec. 27, a financial report was presented showing that the amount expended, together with the amount still unpaid, on the new houses was about $4651, making the total cost of the plant as you see it today about $18,650. It was stated that this would leave a deficiency of about $1140 to carry forward the work to the end of the fiscal year, when the second half of the appropriation would be available, but that this deficiency would be taken care of for us from other funds until our own money was available. The balance of the meeting time was taken up, as usual, by a careful inspection of the houses and the work being done, and an extended discussion of the same.

The meeting of Feb. 4 was held at Chicago, Messrs. Davenport, Blair and Dorner from the University and the full Board being present, as well as many local florists who had been invited to attend the meeting so that explanations of the work being done could be made and as much interest as possible be aroused. A general discussion ensued, and it was the sense of the meeting that the results of the work up to date were satisfying and encouraging, and that the work should be pushed vigorously, not only along the lines heretofore taken up but it should be expanded in every possible direction in so far as the funds available would make it possible.

In closing this report some explanation would seem to be needed. The reason for taking up the study of fertilizers was that it seemed to be the one subject of greatest interest to the florists of the State at large at the present time. The reason for selecting the Carnation for the beginning of the experiments was that in certain ways it was the most available and desirable plant to begin with, and that a good share of the results would be almost equally applicable to other florists' flowers, and with the space available only one variety could be handled in the complete and comprehensive way desired. The reason that no results have been published is that while much of interest has been learned everything must be verified by repeated experiments, as conditions affecting any one series of tests might interfere with the accuracy of the conclusions drawn, and it was strongly put before the board and concurred in unanimously by them that it was much better to let the florists wait for their information than to take any possible chance of giving them information which might, by subsequent test, be found wrong.

In conclusion the board wishes to extend its thanks to Dean Davenport and Professor Blair for the many courtesies shown and to express its confidence in Mr. Dorner, and its great satisfaction with the able way in which he has handled our work, of which he has been directly in charge.

Professor J. C. Blair, chief of the Department of Horticulture, University of Illinois, then made an excellent address on "The Value of the Experimental Station to the Florists and the Duty of the Florists to the Station."

A. M. Augustine of Normal, Ill., a delegate from the Illinois State Horticultural Society, extended an invitation to the Association to combine its meeting next year with that of the Horticultural Society. President Gullett appointed J. C. Vaughan, W. N. Rudd and C. L. Washburn a committee to consider and report upon the advisability of accepting the invitation.

The session closed at 5 p.m. After adjournment, the delegates visited the experiment station and lingered long in the greenhouses and service building, being much interested in all that was to be seen. Professor H. B. Dorner was in charge of the party and was kept busy

imparting information and answering the many questions presented. Darkness shortened the visit, however, to the regret of many. Leaving the station, all repaired to headquarters to prepare for the banquet.

The banquet was held at the Beardsley Hotel, Champaign. Seats were taken at the tables at 8.15 p.m., there being about 120 participants. The tables were beautifully decorated with flowers donated by different florists. Phil. J. Foley was toastmaster and acquitted himself nobly. Toasts were responded to by the following: B. F. Harris, D. N. Davenport, J. M. Ammann, C. E. Gullett, Professor J. C. Blair, W. N. Rudd, Harry Balsley and J. C. Vaughan. The lady visitors were present on this occasion.

Wednesday's Session

The proceedings opened with an address by Dr. J. W. Garner, professor of political science, University of Illinois, in behalf of the Illinois Outdoor Improvement Association. C. L. Washburn of Chicago read an excellent paper on "The Cut Flower Industry." The paper, which appears elsewhere in this issue, was listened to with marked attention. Professor H. B. Dorner, Associate in Floriculture at the University, delivered an excellent address on "Our Work."

The auditing committee, Albert L. Hey, Adolph Fehr and C. L. Heinl, reported that they had examined the books and found the treasurer's account correct and showing a balance on hand of $178.53.

The question of establishing a uniform grading of cut flowers was discussed, and C. L. Washburn, H. L. Smith and C. M. Dickinson were appointed a committee to report on the question.

A resolution was presented to amend the by-laws so as to provide for the meeting of the Association annually at Urbana in the fourth week of February. W. N. Rudd moved an amendment to the resolution leaving the date and place of meeting in the hands of the executive committee, such committee to report its decision on or before Jan. 1 of each year. The amendment was adopted.

A resolution was passed directing that an appeal be made to the government of Illinois to appoint a permanent landscape gardener at Urbana. Another resolution passed was one directing an appeal to the Legislature of Illinois to replace the $19,000 taken from the appropriation for the experimental station last year, when the appropriation was reduced from $35,000 to $16,000, and in addition to appropriate $35,000, making a total appropriation of $54,000 for this year.

Election of officers resulted as follows: President, C. L. Washburn, Hinsdale, Ill.; vice-president, Charles Loveridge, Peoria, Ill.; secretary, J. F. Ammann, Edwardsville, Ill., (re-elected); treasurer, Frank L. Washburn, Bloomington, Ill., (re-elected).

A vote of thanks was passed to the florists who supplied the decorations for the banquet, and also to George B. Franks, H. B. Dorner and all others who had assisted to make the convention a success.

The Exhibition

The exhibition was held in the new Auditorium of the University, located on the campus, and was most creditable. The judges were Emil Buettner, Park Ridge, Ill., N. Zweifel, North Milwaukee, Wis., and Charles N. Johnson of Morgan Park. The report of the judges, made at Wednesday's session, was as follows:

Seedling Carnations, points awarded: Chicago Carnation Co., Joliet, Ill., Mary Tolman, 85; Conquest 85; Sangamo 85. F. Dorner & Sons Co., Lafayette, Ind.—White Wonder 85; Hoosier Lad 88; Scarlet Glow 85; No. 42-06-Light Pink 85. R. Witterstaetter, Cincinnati,—President J. A. Valentine, 85; No. 1407-0, 80. Walter W. Coles, Kokomo, Ind.—Mrs. Walter Coles, 85. A. C. Brown, Springfield, Ill.—Superba, 80; Optimo 75; Clara Mae 65. W. N. Rudd, Morgan Park, Ill.—Greenwood 86. N. Zweifel, North Milwaukee, Wis.—Bright Spot 86. E. G. Hill Co., Richmond, Ind.—Annie May 86; Mrs. Beckwith 81; James Whitcomb Riley 81. A. C. Canfield, Springfield, Ill.—Red Nelson Fisher 80. Anton Then, Chicago.—No. 291 Scarlet, 74; No. 41 White 83. Bauer & Smith, Indianapolis.—Shasta 85.

For Displays of Standard Varieties of Carnations, honorable mention: C. Loveridge, Peoria, Ill.; Bassett & Washburn, Chicago: A. C. Canfield, Springfield, Ill; Jos Heinl & Sons, Jacksonville, Ill.; Wirth & Gaupp, Springfield, Ill.; A. Washburn & Sons, Bloomington, Ill.; Henry Baer, Peoria, Ill.; Henry Knopf, Richmond, Ind.; Chicago Carnation Co., Joliet, Ill.; Henry Eichholz, Waynesboro, Pa.; Henry Johann & Son, Collinsville, Ill.; W. G. Hill, Streator, Ill.; J. F. Ammann, Edwardsville, Ill.; W. N. Rudd, Morgan Park, Ill.

Roses, special mention: Wendland & Keimel, Elmhurst, Ill.—Killarney and White Killarney; Bassett & Washburn, Chicago.—Bridesmaid; Poehlmann Bros. Co. Morton Grove, Ill.—My Maryland and Killarney; W. H. Gullett & Sons, Lincoln, Ill.—White Killarney; J. F. Ammann, Edwardsville, Ill.—Killarney, My Maryland. Mme. Abel Chatenay and Ivory.

Miscellaneous, special mention: J. A. Peterson, Cincinnati—Begonia Glory of Cincinnati; Frank B. Smith's Sons, Danville, Ill.—for collection of flowering plants; August Jurgens, Chicago—for Daffodils.

Books Received

SWEET PEAS: Walter P. Wright's Book About. Published by Headley Brothers, 14 Bishopsgate st. Without, London, E. C., England.

The author's claim that he has produced a Practical Treatise on the Sweet Pea will be generally upheld, we believe. Not only that, but he has invested his subject in a charming flow of language which appeals to and attracts the reader from start to finish. It is so seldom the fortune of the seeker after knowledge to be enabled to absorb it so pleasantly that this particular instance should be noted. The author and his subject are in complete harmony; there are no discords, the style is somewhat sentimental, it will be said, but it must be remembered that the Sweet Pea is the subject. Pardon is craved for the poetry which starts each chapter and, in view of all the other excellencies, pardon should be freely accorded where the rhythm may not strike quite true.

The early chapters deal with the beauty and perfume of the Sweet Pea, of its introduction and rise into public favor, of its structure, self-fertilization, cross-fertilization, the laws of Mendel and other matters relating to the raising of the newer varieties, following with well written articles on the best soils and manures, seeds, raising of plants, and a word as to cuttings, as well as the methods of planting and supporting vines, and the most desirable location where Sweet Peas may be grown.

Later chapters deal with the Sweet Pea as an exhibition flower, as a market flower of the culture under glass, of its enemies, and of many different varieties, not omitting the cultivation (in no fewer than six chapters of the subject), in England, Wales, Scotland, Ireland and the United States, all of which should prove very intersting to the Sweet Pea lover.

The McIntyre Bros. Two of Philadelphia's coming wholesale florists

The Sweet Pea Grower's A. B. C., a biography, guide and summary, gives in alphabetical order short biographies of the men who have been chiefly instrumental in developing the Sweet Pea, and a definition of every term, technical or otherwise, having to do with its culture and history.

An appendix furnishes what appears to be a complete catalog of Sweet Peas, giving names of varieties, with particulars as to the raiser, the color, and description of flower, also furnishing a selection of the varieties suitable for the garden and for exhibition; it also names the too-much-alike kinds, the latter according to the rules of the National Sweet Pea Society. A complete index affords a guide to every important item in the book.

The illustrations are numerous and superbly printed, picturing principally the best of the newer varieties, and there are as well numerous engravings of an informative character, covering pot culture, enemies, diseases, trellises, etc.

Copies of Mr. Wright's book may be obtained through the publishers of the EXCHANGE. Price, prepaid, $1.00.

FUNGOUS DISEASES OF PLANTS: with chapters on Physiology, Culture Methods and Technique. By Benjamin Minge Duggar. Ginn & Co., Boston, New York, Chicago, London.

The author is professor of plant physiology in the New York State College of Agriculture, Cornell University, Ithaca, N. Y. and, therefore, well qualified for his subject. Part I, Culture Methods and Technique, prepares the student for the various phases of scientific research in the study of fungous diseases, from the preparatory stages of isolation and pure culture methods, up through germination studies to artificial infection.

Chapter II, which deals with the principles of disease control, will be found of special value to all growers. It describes the application of fungicides and preparation of same, using as a basis for experiments Bordeaux mixture, ammoniacal copper carbonate sulphur, formalin, and other ingredients, all of which are fully described, as well as uses to which the mixture may be put to be effective in the destruction of diseases.

It is, however, in Part III, Fungous Diseases of Plants, that the florist, the seedsman, the nurseryman, the market gardener and the farmer, the men who encounter these diseases in their every day pursuits, will find the most interest and the greatest benefit. The average man will have to exercise patience in seeking the information desired, but it is here and obtainable. At this point the average investigator will feel that a short cut to the knowledge of hard names would be worth much to him, but there is no more relief from scientific names for diseases, than there is from botanical names for plants, so, perforce, the man-who-seeks, as we have already remarked, can find.

Every known fungous is classified and named, and numerous illustrations render considerable assistance to the unorthodox student in fixing identification, which is again assisted through a "Host Index" of fungous diseases specially described or cited throughout the pages, followed by a "General Index." By the way, the "Host Index" should be first consulted as herein will be found the common every day names of host plants and accompanying diseases.

Florists and nurserymen will be particularly interested in the principles and methods of soil sterilization and the description of the Britton soil steam sterilizer. A study of the book will enable those desirous of so doing to make their own experiments in artificial infection and for a variety of other purposes.

Diseases which have hitherto been difficult to combat, are explained thoroughly, as well as the root rot of Tobacco, Violets, Peas, Lupines, etc. We are also indebted in a large measure, as the book says, to the imperfect fungi, for a large number of plant diseases. This class constitutes a heterogeneous division, and is regarded as a co-ordinate division for the sake of convenience in general treatment and classification. This specie of fungi is responsible for Potato scab, bud rot of Carnations, pink rot following Apple scab, mildew of cotton, Rice blast, Peach and Apricot scab, Onion mold, blight of Ginseng, leaf spot of Beets, etc., etc., detailed description of which, together with illustrations showing effects of wilt on the China Aster, Carnation and other plants, makes the work a truly valuable one.

From cover to cover, the contents should hold the unabated interest of all who are interested in the check of plant diseases. Nurserymen, seedsman, market gardeners and florists, as well as fruit growers and landscape gardeners, will find within these pages, descriptions of troubles which have heretofore been recognized as insurmountable and, with a better knowledge of the contents, and the methods of combating fungi of every species, larger and better results will show themselves when a closer understanding is possible between the horticulturist and plant life in its every stage.

The trade in general should show its appreciation of the author of this able work, by purchasing it liberally, as it has entailed an immense amount of labor and study in the compilation of facts and statistics, making it perhaps the most complete work of its kind. So far as our knowledge goes this is not only the latest but the most complete work yet published on Fungous Diseases, and a copy of Prof. Duggar's work should be in the working library of all our readers.

Price $2.00. Of Ginn & Co., New York, or through the publishers of The Florists' Exchange.

H. Emulsion The advent of the new insecticide Aphine indicates that American growers are being well looked after. In these strenuous times, when insect pests or the lack of them spell loss or profit it behoves everyone to pay attention to the advance of science. No market man can afford to waste time and money in preparing home-made remedies which, frequently, are only partially effective and sometimes dangerous.

On this side of the water we are particularly well catered for, some of the more recent introductions for insect and fungous fighting being strikingly in advance of anything formerly used. Perhaps the most revolutionary wash is a German concoction which rejoices under the simple term, H. emulsion.

Primarily introduced for fruit growers, for the purpose of combating insects and their larvæ, it has, after five years' test on the Continent, proved to be a many-purpose fluid. Not only can it be used for Winter spraying against the Winter moth, etc., but it is also deadly to the so-called American blight, which is, at all times, a menace to Apple growers. Further, by varying the strengths of the fluid, it can be used against Mussel Scale and Oyster Shell Back Scale, Red Spider, Apple Sucker, Blossom Weevil, Pear Midge, Black Fly, all vermin, both leaf and soil, that attack vegetables, Canker Mildew, Rust, Scab, both Apple and vine, Leaf Spot, Fern lice, caterpillar, tree lichens and mosses, the ova of various moths, and various fungi, like Peronospora or Cucumber Spot, while by painting the trunks of trees, rabbits and rats are prevented from injuring the bark.

This remarkable fluid has a very pungent odor, but it leaves no after effects upon fruit. I am using the H. emulsion, both upon fruit trees and various plants, such as Roses and Carnations, and in no instance is injury visible.

Carnation Hoosier Lad
Originated by H. B. Dorner & Sons Co., Lafayette, Ind. Winner of the Am. Carnation Co.'s Gold Medal at Pittsburgh, Pa., January, 1910.

Carnations, Past and Present

A paper read before the New York Florists' Club, Feb. 14, 1910, by W. H. Taplin.

So much has been said and written on the subject of Carnations and Carnation culture during the past few years, and has also been expressed so well, that it seems scarcely possible that I may present anything new on this subject for the consideration of such an uptodate organization as the New York Florists' Club. The literature of the Carnation has become extensive, and there are, doubtless, many repetitions to be already found in it, so possibly a few more will be pardoned at this time.

That the output of Carnations is steadily increasing will, I think, be readily admitted by anyone familiar with the wholesale trade of our city; and that there is no better market for high-grade flowers will also be conceded by the majority; but it is also, doubtless, true that there are still many Carnations sent into market that are far from ideal, either in size or condition, and the oversupply of such flowers breaks the market to such a degree that good stock is frequently sacrificed. It has been said that New York is the dumping ground for the growers of flowers in all the surrounding country at any time when the home markets of said growers become overloaded, and there may be some truth in that assertion; but, at the same time, one cannot blame the growers for hunting for a market, and the commission men would probably not refuse to accept the trifling percentages that come their way from this outside business. However, the New York market is critical in regard to Carnations, as also other stock, and it is more profitable to the grower to supply the varieties and the grade that the market calls for rather than to produce simply an ordinary run of stock.

To look back some thirty-five years and recall the varieties of that time, and then to glance at the Carnations of today, gives room for thoughtful comparison. Astoria, Edwardsii, Peerless, Degraw and La Purité were among the stock from which in later years an improved race sprang. In fact it would seem that Astoria was the original parent of most of the yellow varieties that have since been grown. But from Degraw and Peerless down through the multitude of whites that have followed them, up to White Enchantress and White Perfection, are shown many strides of improvement, and what the next ten years may bring forth we can only guess. Possibly that traditional four-inch flower on a free growing and free blooming plant may be among the good things the hybridizers will surprise us with.

Then there have been the successive steps from Daybreak and Grace Wilder, through the various shades of pink, until Peter Fisher brought forth Enchantress, the most popular light pink of today, and in all probability the most widely grown variety in the Carnation world. And from Portia onward, through the various shades of red, there have been many changes. A red of the size of Portia, free blooming though that variety was, would not stand much chance in the market in comparison with Victory and Beacon, and according to the returns from Pittsburgh even these latter fine sorts are not in the same class in regard to size with Hoosier Lad, Dorner's latest triumph. But the majority of scarlet varieties have an unfortunate habit of being favorite hosts to the rust fungus, and Victory is no exception to the rule, in fact it is decidedly the exception to find a bench of this variety that is free from rust. Of course, we all know that rust is not such a handicap to the grower as stem-rot, or spot, but at the same time it does not help the appearance of a Carnation house, nor does it improve the stamina of a variety infected by it. In addition to this, Victory does not branch very freely in the field, and as a natural result the plants are likely to be small at the time of lifting; but with all these drawbacks it is a fine flower and a good keeper, and as such sells readily.

The later red—and I had almost said the favorite red—of the present day is Beacon, also a product of that clever hybridizer, Peter Fisher. It is a great record for one grower to have produced such a noteworthy trio of varieties as Mrs. T. W. Lawson, Enchantress and Beacon, all of which originated with Mr. Fisher, and while the West is undoubtedly coming forward at a good round pace in the production of new Carnations, yet there may be many that "also ran," before such another team as that we have noted is brought forth. The evidence seems to be that Beacon is the most productive red in the market, and although it is not over large, and with many growers is given to splitting badly during Midwinter, yet it is a good Christmas color, and a free growing and thrifty variety, and, in short, with all its faults, we love it still.

We have already mentioned Mrs. Lawson, that for several years was the leader in the dark pink class, and even yet is grown to some extent, this variety having displaced a number of others in various shades of pink. But Mrs. Lawson does not appeal to our market very strongly now, her place in turn having been taken by some later arrivals. Mrs. Lawson has, however, left a numerous family, and among them Welcome, Winsor and Variegated Lawson are still grown to a greater or less extent, and White Lawson may also be occasionally found, though these varieties are usually under the standard for length of stem.

Counting from La Purité, which I believe was introduced from Europe to this country by Dailledouze, Zeller and Co., and was the first pink Carnation with which I had an acquaintance, there have been hosts of pink varieties launched on the sea of trade, and many of them have been wrecked on the rocks of criticism.

But, Mr. President, it is much easier to be a knocker than to produce the goods, and I think we should all give honor to the pioneers in the Carnation trade who offered to the world for a proper consideration, in due course, such pinks as Grace Wilder, Wm. Scott, Albertine and others. The varieties we have noted were not perfect, but neither have those of the present day reached to that lofty standard, and even now there is room for a good dark pink, and there are more than whispers that such are on the way.

Crimson is not a color that is demanded in thousand lots in most markets, the most likely exception to this statement being found in the neighborhood of Harvard, but crimson Carnations have been grown for a good many years when we count from Crimson King, and even now the crimsons that are offered do not approach the size and vigor we find among the white and pink varieties. This fact makes us think that there is still room for improvement among the crimsons, and possibly it may be found among the number of crimson seedlings that are being tried out. In some parts of the country Harry Fenn is still producing some good flowers, but in our neighborhood this variety has lost its grip.

Patten and Variegated Lawson are probably the most popular of the variegated varieties, but neither of them can safely be counted upon to pay the rent, the first named being especially slow in blooming in the Fall and early Winter, though producing abundantly in Spring. Bay State secured the gold medal last season, but from the accounts of several growers does not seem to produce much gold in the regular order of business.

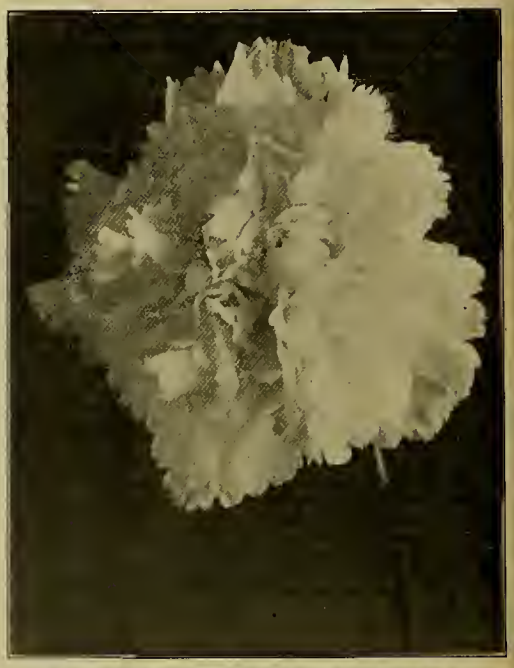
Among the fancy varieties of past years Prosperity was the greatest success, and in its time brought the highest price of any, but now we would have to hunt for some time to get a hundred flowers of Prosperity, for very few growers handle it. Toreador is a later variety of similar type to the last named, and though variable in color is a very attractive flower, on an unusually stiff stem.

Of dark pink and cerise there have been many novelties of late years, among them being Aristocrat, Afterglow, Rose Pink Enchantress and Dorothy Gordon, each of which has had, or still has its champions, and each of which is beautiful in its own way, though the first three have all developed some disadvantages; and regarding the last variety most of us will know more in a year from now.

Mrs. C. W. Ward and Alma Ward are both beautiful varieties, and have commanded good prices the past two or three seasons, and being on the market now may be tested by the trade in general.

There still is room for a good yellow variety, for, strive as they may, the hybridizers do not seem to attain their ideal in this line; yellow Carnations, generally speaking, are either lacking in constitution or else they are not free in blooming, or are undersized, with the result that no yellow variety is now grown to even the extent Eldorado was a few years ago.

And now to sum up briefly, it may be said that in the opinion of an ordinary observer, and one that by no means claims to know it all, there is much that is encouraging in the progress that has been made in Carnation varieties and culture during the past few years, for wonderful things have been done by Dorner, Fisher, Ward, Weber and other men of prominence in this department of our profession; and I fully believe that there will be quite as great achievements to chronicle in the next ten years as have been witnessed in the past decade, for with increased knowledge and experience more systematic work will be possible in the future than has been accomplished in the past.



Single Bloom Carnation White House
Originated by Dailledouze Bros., Flatbush, N. Y. Winner of the Am. Carnation Society's Bronze Medal at Pittsburgh, January, 1910.

Discussion.

At the conclusion of the reading a short discussion ensued. James T. Scott said: "I have been told that the bursting of Carnations is more in evidence this year than ever before. At times Enchantress is seen in this condition to as large an extent as half of a bench; and Beacon also is bursting. Is it possible it is due to the influence of Halley's Comet? Anyway, I have been asked very much lately why such should be the case, and I can give no lucid answer. Perhaps Mr. Taplin can tell us something about it.

MR. TAPLIN: I do not know that I can reply to the question, it is too wide. I think we all know that Carnations are influenced by the weather. We sometimes have a succession of dull days followed by bright, sunny ones, and flowers which have been held back commence to push up, and frequently throw up the center petals quicker than the calyx developes, and it bursts. The non-bursting Carnation has not yet been produced—at least I have not seen it. A non-bursting Carnation, no doubt, would have few petals in the center, consequently would not act as would Enchantress and varieties having short petals in the center.

JOHN BIRNIE:—I do not think it is right to blame the weather. If we go back to the time of the Degraw and La Purité varieties, and others, can any of us remember that they bursted? I am sure I cannot remember having seen a bursted Degraw. Last year bursting was an epidemic at my establishment, but this year plants grown in the same way and under the same conditions have been particularly free from bursting or bullheads—and we have had much about the same kind of weather. I have had less trouble than I remember to have had before, even with Queen, a variety which has been very apt to burst. I have heard complaints as to White Perfection bursting, but since we started firing we have not been troubled.

The German Dahlia Society

In a letter to Messrs. Wm. F. Turner & Co., New Bedford, Mass., Curt Englehard, secretary of the German Dahlia Society, with address at Leipzig-Eutritzsch, Germany, advises that the new Dahlias sent by the above firm received no official recognition by that society, as it did not ask judgment. Mr. Englehard says further:

"I placed three roots of each sort in this year's trial fields at Leipzig and Frankfurt, but owing to the extremely cold Summer of 1909 they developed flowers rather late in September. As to 'Ruth Forbes,' this is a really first-class novelty. I showed a fine vase at the Dahlia show at Hanover and everybody admired the pretty flowers. The form of the flower is just fit for our taste, the lovely lilac rosy color with a light hue of blue in the daylight, under artificial light the effect is indescribable. Very long and wirelike stems carry the flower well above the foliage and I am quite sure that 'Ruth Forbes' will soon be praised by every Dahlia friend; it is the first useful Cactus-Dahlia received from America, and raiser and introducer can be proud."

American Rose Society Exhibition, March 16-18

The Horticultural Society of New York, under whose auspices the American Rose Society exhibits in the city of New York, has taken upon itself the duty of enlisting the interest of as many of its members as possible to develop the best attendance and support for the occasion.

The New York Florists' Club has appointed a special committee to extend courtesies to all members of the Rose Society. The intent is to show in the great hall of the American Museum of Natural History on 77th st. a popular exhibit, without cost to the public—a show of the first magnitude. The hall is at present being repainted and decorated. The measurement is 150 ft. in length and 75 ft. in width. The effort is to obtain, among other things, a fine exhibit of potted plants. Many a dweller in the metropolis can grow a plant in a pot and would enjoy doing so, and an exhibit of that kind is likely to foster a demand for that class of Roses.

The full list is being revised by the chairman of the schedule committee, ex-President Robert Simpson, and as soon as completed will be put in permanent form, in conjunction with the premium list and schedule of the Horticultural Society of New York.

Since the last report the following special prizes have been offered: John I. Raynor, $25; Henshaw & Fenrich, $25; Horace E. Froment, $25; William S. Allen, $25; Traendly & Schenck, $25; Alex. J. Guttman, $25; Walter P. Sheridan, $15; A. H. Langjahr, $10, all of New York City; King Construction Co., Buffalo, N. Y., $25; J. A. Budlong Son & Co., Auburn, R. I., $25; John N. May, Summit, N. J., $25; Frank R. Pierson, Tarrytown, N. Y., $25; Wm. C. Badgley, Chatham, N. J., $15; L. B. Coddington, Murray Hill, N. J., $10; ex-Pres. Robert Simpson, Clifton, N. J., $30; Society of American Florists, Medals.

Mr. James Wood, president of the Horticultural Society of New York, will deliver an address upon "Ideals of Horticulture"; Mr. Geo. V. Nash one on "The Rose and its History," an illustrated lecture with colored lantern slides; and Mr. Adolph Farenwald of Roslyn, Pa., on "Roses, the brightest of flowers."

A valuable paper is being prepared by W. S. Sibson, upon the "Northern Pacific Coast Roses."

Joseph A. Manda has been appointed superintendent of exhibits. BENJAMIN HAMMOND, Sec.

Conjointly with the exhibition of the American Rose Society will be held an exhibition by the Horticultural Society of New York, which Society offers the following premiums:

Flowering Plants—Miscellaneous

	1st	2nd
Acacia pubescens. For the best specimen	$6	$4
Acacia paradoxa. For the best specimen	5	3
Azalea indica. For the best 6 specimens, distinct varieties	15	10
For the best 3 specimens, distinct vars.	10	5
Pink, for the best specimen	5	3
White, for the best specimen	5	3
Any other color, for the best specimen	5	3
Anthurium. For the best specimen	5	3
Cineraria hybrida. For the best 6 plants	10	5
Cineraria stellata. For the best 6 plants	6	4
Cyclamens. For the best 20 plants. (Special prize offered by Messrs. R. & J. Farquhar).	Silver cup	
For the best specimen plant	5	3
Erica. For the best 3 plants, in 3 varieties	6	4
Genista. For the best specimen	5	3
Rhododendrons. For the best 6 plants, in not less than 3 varieties	10	5
Lilacs. For the best 6 plants, not less than 3 varieties	10	5
Schizanthus. Best 6 plants	6	4
Hydrangea. For the best specimen	5	3
Hydrangea. For the best 3 specimens, in 3 vars.	10	5
Bulbs. Best collection, arranged for effect, other foliage plants admissable, covering 50 sq. ft.	Silver medal	

Orchids

Under the Direction of the Orchid Section

For the best display	25	15
Cattleya Trianæ. For the best specimen	5	3
Schroederi. For the best specimen	5	3
Any other variety. For best specimen	5	3
Cypripediums. For the best display	15	10
Cœlogyne cristata. For the best specimen	5	3
Dendrobium nobile. For the best specimen	5	3
Wardianum. For the best specimen	5	3

Palms and Other Foliage Plants

Chrysalidocarpus (Areca) lutescens. For the best specimen	10	5
Cocos australis, or its varieties. For the best specimen	10	5
Howea (Kentia) Belmoreana. For the best specimen	10	5
Howea (Kentia) Forsteriana. For the best specimen	10	5
Rhapis flabelliformis. For the best specimen	10	5
Phœnix reclinata. For the best specimen	10	5
Canariensis. For the best specimen	10	5
Livistona Chinensis (Latania borbonica). For the best specimen	10	5
Any other Palm. For the best specimen	10	5
Cycas circinalis. For the best specimen	10	5
Bay Trees. For the best and largest display	25	15
Ficus pandurata. For the best 3 specimen plants	10	5
Davallia. For the best specimen	10	5
Nephrolepis Bostoniensis. For the finest and largest specimen	6	4
elegantissima. For the finest and largest specimen	3	2
Scottii. For the finest and largest specimen	3	2
Nephrolepis Piersoni. For the finest and largest specimen	6	4
Nephrolepis. Any other variety.	3	2
Cibotium Schiedei. For the finest and best specimen	10	5
Crotons. For the best display, not less than 25 varieties	Silver medal	
Stove and greenhouse Foliage plants. For the best display, not less than 25 plants	Silver medal	

A copy of the schedule and entry blanks will be gladly sent, upon application by the secretary, George V. Nash, New York Botanical Garden, Bronx Park, New York City.

The American Rose Society

The American Rose Society will soon have its annual meeting and it is to be hoped that every member who can will attend, and if possible exhibit something; and that an effort will be made to obtain a larger membership, both active and associate. It does seem that the small grower would be glad to join the ranks with his larger brothers, and that the benefit would be mutual goes without saying. It seems also that the advantages of associate membership should be extended to all assistants, on both private and commercial places. The larger the membership, the greater the power for good, and the more far reaching will be the influence and prestige of this Society. "A Rose for every home; a bush for every garden" is an excellent motto, but it is a long way from being fulfilled. I think that if there was a bush in every garden there would be many more buyers of cut Roses today than there are, for the interest in Roses and love of the flowers, and the desire to have them constantly around the house, would be greatly increased.

It must surely be true that to further popularize the Rose good stock should always be offered, whether it be cut flowers or plants, and when the latter are sold good advice on varieties and planting is often of great benefit to the customer. The amateur is often easily discouraged by failure. A few shining examples of success in a neighborhood will encourage others greatly, and it is remarkable how well Roses will grow outdoors with so little care as we see them getting occasionally; and that they are well adapted for bedding no one who has seen them will doubt. One of the finest beds I saw anywhere last Summer was one of the Baby Rambler; after the first cost it is good for years. I have been interested lately in watching the craze for artificial flowers. It seems to me that this is a thing that will be short lived, for to wear artificial flowers must be a brand of a cheap person. However, the different societies as bodies and florists as individuals ought to do all in their power to discourage the practice.—EBER HOLMES.

Spring Show of the Massachusetts Hort. Society

Notice Change of Dates of Exhibition.

By direction of the Committee on Prizes and Exhibitions the February Flower Show will be held at Horticultural Hall, Boston, on Friday, Saturday, and Sunday, February 25, 26, and 27, and not as announced in the Preliminary Schedule.

This exhibition will take the place of the usual Spring show and it is expected to equal it in extent and interest. WILLIAM P. RICH, Secretary.

The Cut Flower Industry

A paper read by C. L. Washburn of Chicago, before the Illinois State Florists' Association, Urbana, Ill., February 16, 1910.

The cut flower industry of the State of Illinois has made most remarkable progress in recent years. To fully obtain an idea of this industry we must look back some eighteen or twenty years and compare the business then with that of the present time. The business then was not considered of any importance by the other commercial lines of trade, but of late years it has been recognized as one of the standard industries of the State. The quality of flowers twenty years ago would not compare with the quality handled at the present time. The stems of the best grade of Roses then were only 12 to 15 in. long, and American Beauty had stems only 30 to 36 in. long. Carnations were about the size of a quarter-dollar, but as the demand kept calling for a better grade of flowers the growers kept improving the quality of their product. Prices also averaged better as the quality improved. The flower buyers all through the country began to see that the better quality of flowers lasted longer as well as looked better, and they would prefer paying a fair price for good flowers rather than buy the smaller stock at less figures. These facts compelled the growers to raise improved varieties of plants and also to use better facilities and better houses in which to grow their stock.

The evolution in the cut flower industry is one continual effort towards better flowers, and better methods of growing and shipping the stock. There are peculiar features of our line of trade, for in the competitive strife of business we are continually on the look-out for new ideas, new varieties of plants, new methods of construction and new everything else pertaining to our business which can in any way improve our output. The experiment station here at this college should prove of immense value to the florist trade of this State, as a large number of new things can be tested out before being offered to the trade. In fact, it would be a good idea if the trade would insist on a trial test of some of these new things before being offered for sale, and a certificate from this station showing the results that were obtained from such a trial would be of immense value toward determining the quality of the goods offered for sale.

The growing end of the cut flower business has to keep up to date in everything regarding new varieties of plants, better methods of ventilation and the most improved fertilizers, fumigating compounds, etc. The houses themselves must also be kept up to date. The question of which is the best greenhouse is a hard one. It is generally acknowledged that a separate house is considered best for Roses, while for Carnations and other plants a number of connected houses seem to do as well as separate houses, and they cost less money to build and operate. A separate house should be at least 26 or 28 feet wide, if not wider, and 5 to 8 feet to the gutters. This will give a large body of air and gives more even temperature. Such a house, if built of all iron frame construction, would cost complete, including its share of the heating and other apparatus, about fifty cents per square foot of glass, while a wooden house costs from 25 to 35 cents per square foot of glass. The cost of running a greenhouse depends largely on the quantity of glass handled, but for the average place the fuel cost can be estimated at 3 to 4 cents and the labor at 8 to 10 cents per square foot of glass. The supplies and repairs cannot be very well estimated as they depend on the quality of the house, etc.

In the cut flower industry there is a continual struggle for improvement, at all times, and I do not know of any industry in which a man stands a better show for success if starting in new. One must have experience, of course, in the growing of the stock, but there is as good, if not a better chance for individual effort in our line of trade than in any other. There never can be any monopoly or trust that would control the output or sale of the flowers, for that output is raised in a thousand different places. Every man stands on an equal footing as far as the market demand is concerned, as there is no combination to help or restrain trade to any firm or set of firms. The selling of the greenhouse product, whether cut flowers or plants, is just as important a branch of the business as the growing end. No matter how good the stock is, or how carefully the greenhouses are run, all would be wasted if the product is not well sold.

There are two methods of selling. One, where the growers sell their own stock, having their own grades and methods of sorting and, of course, know just when the stock was cut. A grower who sells his own stock usually caters to some special class of buyers, as the shipping trade for instance. This trade requires flowers cut tighter in the bud, and careful sorting and packing, in order to ship to arrive in good condition. Flowers can be shipped a distance requiring them to lay packed in the boxes forty-eight to sixty hours. These very long distance shipments demand the utmost care, especially as to the weather conditions. During the warm and wet weather it is very hard to have Carnations arrive in good condition when shipped a long distance. Roses, especially American Beauty, will ship in better shape during such weather. The grower who sells his own stock should take pride in having an even run of flowers in each grade.

The other method of selling consists in shipping flowers to a commission firm, to be sold for the account of the shipper. There are a number of such firms in the larger cities that make this selling on commission a specialty. Their usual charge for such work is fifteen per cent. of the gross sales. It is worth this amount to handle the stock right. The expenses of selling are almost this amount with the larger commercial growers.

The cut flower trade is very favorably located as far as Illinois is concerned. Our shipping facilities are unsurpassed. We supply flowers to an immense territory, going east as far as Buffalo, Pittsburgh and Washington, south to the Gulf of Mexico, west to Colorado, Montana and the Dakotas, and north as far as Winnipeg. This running scope of country drains to Illinois a continual flow of money from our sales. The cut flower industry is not a jobbing trade where the most of the money received for its goods goes off to another State in payment for them, but is what might be called a manufacturing enterprise. The grower takes a piece of ground and covers it with glass. He is what might be called an intensified farmer, as from the space under his glass he irrigates his plants by watering them, he ventilates them, he controls the temperature in cold weather by artificial heat, and sometimes raises two or three crops a year from the same bench space. This product is the result of steady labor for 365 days in the year. There is no let up, but one thing crowds on to another, almost, so that there is always something to be done.

A greenhouse is a very beneficial industry to any town. The outlay for labor and supplies is just so much cash that is brought right there to be spent, and when the total amount of glass is considered—in the State of Illinois estimated at about 18,000,000 ft.—the magnitude of the trade can be appreciated. There is a total business in cut flowers and plants grown in this State of at least $5,000,000 per year. A good share of this immense sum is drawn here from other States and all of this sum is expended right here in this State. It will thus be seen that the cut flower industry is one of the most solid foundation stones on which the prosperity of the State of Illinois is built.

Boston Gardeners and Florists' Club

The regular monthly meeting of the Club was held at Horticultural Hall on Tuesday evening, Feb. 15. The meeting was a great success in every way; the attendance was good, about 250 members being present. The extent and quality of the exhibits on the tables were especially good.

Carnation Night is always one of the most enthusiastic meetings of the year and last night's meeting probably beat all previous records.

Fourteen new members were proposed and accepted. There was quite a lot of business transacted. Resolutions were passed condemning the Governmental free seed distribution and endorsing a parcel post system. There was quite a lively discussion before the resolutions were passed and it was the sentiment of the entire Club that the distribution of free seeds by the Government was nothing more nor less than a genuine humbug. There was some great oratory and Fred Palmer of Brookline spoke eloquently and interestingly on the subject; in fact it was Mr. Palmer who brought in the resolutions that were adopted.

Mr. E. H. Wilson, plant collector for the Arnold Arboretum, Jamaica Plain, whose name was proposed for honorary membership at the last meeting, was elected an honorary member.

The name of Mrs. E. M. Gill, florist, of Medford, was proposed for honorary membership. Mrs. Gill was present at the meeting and she is intensely interested in all matters pertaining to horticulture and floriculture. She is the oldest member in our Club and will be eighty years of age June 28 next. She has been an annual member of the Mass. Hort. Society for forty-five years (since the year 1865), and almost at every exhibition of the Society she sets up with her own hands meritorious exhibits. Even at the last Fall exhibition she competed for dinner table decorations with such competent men as MacMulkin and other well-known florists, and won second prize; indeed, many thought she should have had first prize.

Resolutions were read and adopted, approving of the original scheme as planned by the late Mr. Olmsted and Prof. Sargent, calling for two rows of trees on Commonwealth ave., Boston and condemning the planting of the avenue with four rows of trees, as has been ordered to be done this Spring. There was quite a heated discussion of this subject and it was the sentiment of the entire Club that two rows of trees were preferable to four rows in the small space of ground.

Mr. John W. Duncan, president of the Club, in a few felicitous sentences introduced the able lecturer of the evening, Mr. S. J. Goddard of Framingham, who read an excellent paper on Carnation Growing. The paper was well received and a lively discussion followed its reading, which brought out many practical and useful points not touched upon in the paper. Those who principally took part in the discussion were Peter Fisher, M. A. Patten, H. A. Stephens, James Wheeler, Albert Roper, D. Finlayson, George Buxton and Frederick Palmer.

A rising vote of thanks was accorded Mr. Goddard for his paper.

The exhibits on the tables of Carnations were simply splendid and seldom, if ever, were better flowers staged in Boston. Especially worthy of mention were those from Cottage Gardens, S. J. Goddard, Peter Fisher and Patten & Co.

The awards were as follows:

Two Pots Azaleas and vase double White Azaleas from Leuthy, vote of thanks.

Vase Carnation Sarah Nicholson and vase Shasta, from Patten & Co., vote of thanks.

Vases Hattie Starrett and May Day from Patten & Co., report of merit.

Vases William Penn and Seedling No. 1000, from A. Roper, vote of thanks; and vase Seedling No. 1019, from A. Roper, report of merit.

Vase Winona, from Patten & Co., vote of thanks.

Vase Granite State, from George E. Buxton, honorable mention.

Vase Mrs. C. W. Ward, Cottage Gardens Co., report of merit; and vase Alma Ward, Cottage Gardens Co., report of superior merit.

Vase Enchantress from Littlefield & Wyman, cultural report of merit.

Vase Seedling, Boston Market×Genevieve Lord, from Robert Main, report of merit.

Two vases Seedling, vote of thanks; vases Bon Ami, vote of thanks, and Pink Beauty, honorable mention, from Geo. E. Buxton.

Vase May Day, from Peter Fisher, report of superior merit.

Vases Lawson and Winsor, from Littlefield & Wyman, vote of thanks.

Vase mixed Carnations, cultural report of merit; vase Pink Delight, report of merit; and vase Yellow Marguerite, vote of thanks, from S. J. Goddard.

Vase Rose Killarney, dark variety, from Montrose Greenhouses, report of merit.

Vase Rose Pink Richmond, from Montrose Greenhouses, vote of thanks.

The judges were J. F. Flood, chairman, A. G. Goddard, Geo. Shields, William C. Rust and William Sim.

After refreshments the session closed at 11 p.m. Every one was more than pleased and enjoyed the instructive meeting. R. C.

The wide-awake florist is he who reaches his customers through the trade advertising mediums, catalogs, cards, books, window dressing, railroad display signs, street car signs; all are evidences of the progressive man.

Carnation Culture

Paper read by S. J. Goddard of Framingham, Mass., before the Gardeners and Florists' Club of Boston, Feb. 15, 1910.

The subject I have been requested to speak on before The Gardeners and Florists' Club of Boston has been presented to you many times, in all its phases, by the best growers in New England, and this means without dispute the best in the whole country.

Your energetic secretary, Mr. Wm. Craig, has greatly honored me by selecting "Yours truly" (after a request, and a positive refusal to take no for an answer), to say a few words on the Carnation, if for only ten short minutes. I will not speak long enough to bore you on the subject, as I can assure you it is not in my line to speak in public.

To be successful in growing Carnations the minutest details must be carefully considered. To start with, the propagating bench must be absolutely clean, no old rotten bottom or sideboards should be allowed to remain when starting to propagate in the early Winter. My method is to build a bench of one-inch stock, pecky Cypress. We lay the boards close together, using sides three and one-half inches deep. Before filling with sand, whitewash the bench thoroughly, using hot lime with a small proportion of Portland cement to the consistency of very soft mortar, so that it has to be rubbed well with a brush in order to fill every crack.

In picking off cuttings great care should be exercised in selecting from only the healthy plants, and do not take them unless they have fully matured (by being matured, I mean, take them from stems on which the bud is showing color, or is fairly well developed). In setting in the sand be very careful not to set them too deep, about ¾ inch is plenty deep enough, make them as firm as possible, and water each row as soon as pressed in. This method gives one a better chance to see that the sand is thoroughly soaked and leveled, so that there are no dry spaces around the base of the cutting. Water should be given every day for ten days. The sand will then keep wet enough to carry the cuttings for the balance of their sojourn in the propagating house.

The next proceeding is to shift the rooted cuttings from sand to flats or pots. We prefer flats as being easier to handle, taking up less room and much easier to care for later in the season with regards to watering. My experience has been, when lifting field-grown plants, that stock planted from pots will retain the shape of the pots and the loose roots around the outside will break off to a very great extent; this is not the case with stock planted from flats. We use flats 12" wide by 24" long by 3" deep; these will hold 60 plants, 10 rows, 6 in each row. That is for the earliest boxed stock. Later in the season, say, any boxed after March 1, 11 rows, 7 in a row, or 77 plants. We prepare our boxes by making the soil moderately firm and the right moisture to work good, one part well rotted cow manure and four parts fresh loam. We always immerse the roots of our cuttings in a pail of water when lifting to remove the sand, finding by this procedure that less roots are broken in course of handling.

Always give a good soaking after transplanting. Put the young transplanted stock in a house that is kept to a temperature of not over 52°, nor less than 48° nights, shielding them from the bright sunshine for three or four days, and keeping them from drafts as much as possible.

Do not top or pinch back until the cutting has grown enough to show the joints. I notice that when a top is pulled from one not developed, as I state, one does not get the heart out clean, and the process has to be repeated sometime later. Consequently the cutting that was jointed has commenced to branch and the other is two weeks behind. Repeat this operation every week, taking tops from the ones most advanced.

Never try to save the tops to increase your stock, even if it is a new variety, and costs you $12 a hundred; the temptation is great but the profits will be less the next Winter. Also, this may cause you to say the variety is N. G., and to heap abuse on the disseminator.

Keep the young plants growing continually; never let up in your attention. Water, top and feed. Don't hurry to put them in a coldframe until the weather is warm enough to have the sash off in the day time. I prefer a cold frame to a hot bed. Now for the Spring rush to plant outside, we are all anxious to get the Carnation in the field. Here in Massachusetts we commence about April 25 or May 1, if the weather is favorable. Of course, the land must be dry enough and properly ploughed and smoothed.

Our system is the following: Set the line across the piece to be planted. Take a Planet Jr. wheel hoe, with the small plough attachment, and make a small furrow right across. This is just as good as chopping with a spade and ten times as rapid. Have a boy drop the plants (which have previously been cut out) 6 inches apart. After planting, rake or smooth off a couple of feet next to the row and repeat the operation, setting line this time 15 inches from starting point. This will give ample room to run wheel hoe through for weeding and cultivating.

Never let the weeds get ahead of you. Keep the wheel hoe going once a week and handweed every two weeks. We never use a handhoe, too many plants are injured by carelessness on the part of the operator. I find we can do the work faster and much better by getting down on our knees weeding, leaving the weeds on the right hand side of the row. This will accumulate all weeds in every other row, where they can be more readily taken off with a fork if the weather is unfavorable for killing them.

Now the most important part to be considered is in regard to topping or pinching back. Here is where your foundation is laid for next Winter's succession of blooms. Never pinch back every shoot at one time. Go over the plants at least once a week and remove the longest shoots, pinching them back hard to secure good strong growths. We never use a knife. I believe that one can regulate the crop right through the Winter by this style of topping, at least until Spring, when Carnations will crop anyway.

We commence planting inside early in July and plan to finish the first week in August.

Do not have too many plants dug at a time, so that the roots dry up and the plants wilt. Get them in place as soon as possible and put a support around them at once. We plant a small section and then put an Excelsior support around them before watering. This holds the plant for all time and, when watering or syringing through the Summer, holds them upright and in place. This support is cheap, about $7 per 1000, and with care will last five or six years.

We find that later in the season we have gained considerably by staking at planting time. The plants are upright; new growth will be straight, and, if the second support is not put on as soon as we would like it, the plants are not lopping all over the bench.

Don't shade the glass, except to keep the sun from taking all the moisture out of your own and the help's carcass.

A little mud will do this trick or, much better and cleaner still, is whiting and water put on by a force pump; this will come off through the wind or rain and does no harm to the paint or putty.

I do not believe in shading the newly planted stock. Keep plenty of moisture around the plants and under the benches for the first week, and your plants will take hold better than if you shaded. Your growth will be firmer and will not have that wilted appearance when the light strikes them.

Now comes the time when the best of one's knowledge and intelligence must be brought out. Don't water too much! Don't allow the soil to get too dry! Don't allow the house to get stuffy! Don't allow the strong wind to strike the plants! So many Don'ts, but there are just as many Do's, possibly more. Go over every bench, all around every bench, dig in the soil carefully, study its condition, and that of the plants. Water where needed and no more. Do this twice a day on bright days in hot weather. Lots of bother, but one will have been well repaid for bothering before the holidays are passed.

No such word as failure, if these little Don'ts and Do's are carried out carefully. They are the minutest details I started with in my paper and you have, on them, laid the foundation for your future profits.

Parcel Post

One of the leading agricultural papers of the country, the Rural New Yorker, a fearless and outspoken advocate for the rights of the people, recommends that on March 12 its readers each spend six cents postage for their country, asking that every individual subscriber write three letters: "One to their representative in Congress and one to each of their Senators. Tell these gentlemen plainly and respectfully that you ask them to *work* for a parcel post. Do not be in the least afraid of them, but do not try to bluff or bluster, yet give them to understand that you mean business. If we can all write together on this day there are enough of us to make an impression. Will *you* spend six cents for your country?"

We ask our readers to do the same and trust the movement may become national.

The method above indicated is the only one that will carry influence. A million polite but forcible letters, calling for the immediate establishment of a parcel post, the next greatest convenience for mankind to the telephone, will have an effect on legislators who are today quite indifferent to the wants of the people. Parcel Post is bound to come, but why wait an indefinite number of years when combined action on the part of those interested will bring it about NOW.

CYPRIPEDIUM MRS. F. SANDER.—This Cypripedium, raised by Messrs. Sander & Sons, St. Albans, England, between their C. Eve and C. insigne Sanderæ, was awarded a first-class certificate at the Royal Horticultural Society's meeting on December 21, 1909. The albino element is strong in the seedling, which is said to be one of the finest hybrids of its class. The dorsal sepals are pure white, with a small emerald-green base; the petals and lip pale greenish-primrose-yellow, slightly tinged and marked on the petals with pale purple.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street
Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street
We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street
We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — BOSTON, MASS. — 24 Tremont Street
Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Robt. G. Wilson — BROOKLYN, N. Y. — Fulton St. and Greene Ave
Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — BUFFALO, N. Y.
W. J. PALMER & SON, 304 Main St.

Hauswirth — CHICAGO, ILL. — The Auditorium Florist, 232 Michigan Ave.
The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

JULIUS BAER, CINCINNATI, O. Fourth St.

Frank F. Crump — COLORADO SPRINGS, COLO. — Retail Florist
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

H. N. Champion & Co. — CONNECTICUT — New Haven — 1026 Chapel St., Opposite Yale College
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

The Park Floral Co. — DENVER, COLORADO — 1706 Broadway
J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

Preventing Freezing of Show Windows

The following preventive for the freezing of show windows is quoted by the Handelsgaertner from a "Well-known technical journal": dissolve 55 grams (57 grams equals 2 oz.) of glycerine in 1 liter (1¾ pints) of 63% spirits (alcohol), adding some oil of amber to modify the strong odor, and let this mixture stand until it has become clear as water when it is ready for use. Then apply with a soft piece of leather or cloth to the inside surface of the glass to be protected.

Sweet Peas for Table and Other Decorations

Few flowers lend themselves so readily to the decorator's art as does the fragrant Sweet Pea. They require no wiring or stiffening of the stem—once they are cut they are ready for the deft fingers to create charming effects for any purpose.

Pretty effects may be had by associating two colors that harmonize, though perhaps nothing is daintier than a table decorated with one variety only—say, the beautiful Countess Spencer. A lovely combination may be obtained by using Henry Eckford and Mrs. Collier, or a crimson and a yellow. Lavender and blue Sweet Peas look dull under artificial light though very pleasing at other times. Or, again various shades of pink, from light to dark, form a nice harmony of color tints.

In arranging the flowers let all be as light and airy looking as possible; never jam the sprays closely together; strive to let every flower be seen. Allow a few flowers to stand well above the others, which tends to give all a natural appearance. A few sprays of colored Lycopodium allowed to trail over the sides of the receptacles and arranged on the table, or sprays of Asparagus, Smilax or other light greenery, all help the general effect, while light grasses and a little of their own foliage inserted among the flowers will lend grace and elegance to the arrangement—if not overdone.—From *Sweet Peas Up to Date.*

Romance of the General Jacqueminot Rose

Mr. Lonsdale's reference to the doubt as to the parentage of the Jacq. Rose recalls the fact that it has a legend. Mr. Lonsdale has doubtless heard it. The legend runs that General Jacqueminot had a daughter who was wont to secretly meet a young neighbor, with whose people he was at enmity. The meetings used to take place in the garden and, one day the General discovered the lovers. Drawing his sword, he attacked the young man, whose swordsmanship was unequal to his antagonist's and, in a few moments, he was run through the heart. The girl collapsed in a swoon, from which she never recovered. Close by the spot grew a pink Rose, and the blood of the young man flowed at its roots. Later, the remorse-stricken father ordered the Rose to be cut away but, despite this, a new plant sprang up and blossomed forth the Roses that we know as "Jacks."

For "Supply" Advertisements see pages 312, 313

Sievers Floral Company — 70 Geary Street — SAN FRANCISCO, CAL.
"Choicest of Flowers Always on Hand."

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Grafiot Ave.
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

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I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

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We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

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We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write wire, or phone. We are alive night and day.

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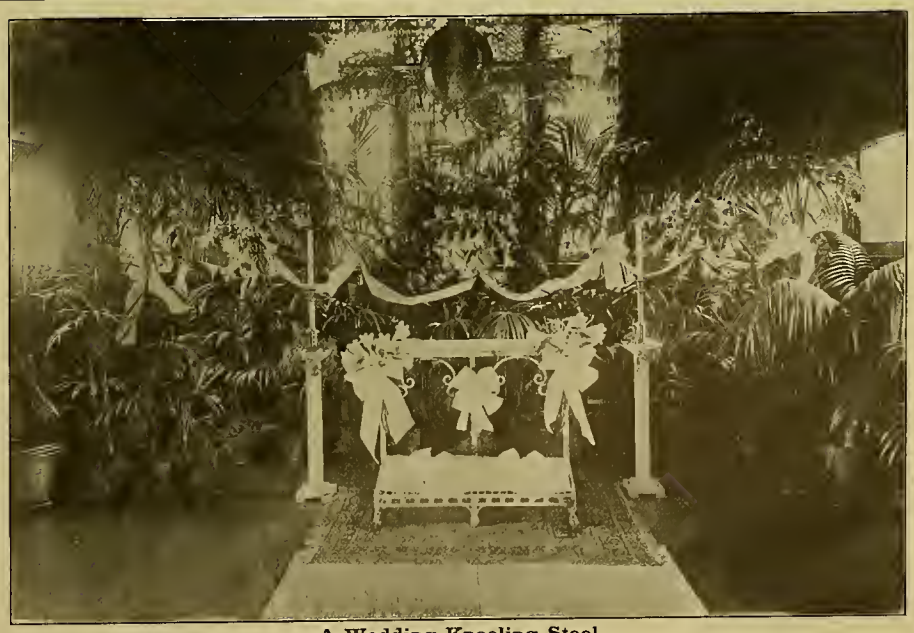

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Extra strong, healthy, bushy, full grown, 2¼ in. stock, guaranteed to please; in assortment of 12 best varieties, $3.00 per 100, $25.00 per 1000.
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King of Ferns: Handsomest, most valuable plant for all decorative purposes; no plant more profitable to both grower and retailer; young stock for growing on, ready for delivery during March, April and May. Largest stock, best prices. Orders booked now.
Asparagus plumosus nanus. Excellent 2¼ in. stock, $3.00 per 100, $25.00 per 1000.

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Scholzeli Fern

The best payer and most prolific Fern to date. 2¼-in. $7.00 per 100.

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CHAS. H. CAMPBELL
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FERNS

Assorted Ferns for Jardinieres in 6 to 8 best varieties. Good, strong plants from 2¼-in. pots at $3.00 per 100, or $25.00 per 1000.

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FERNS ASSORTED FOR DISHES

Full grown plants from 2¼-in. pots, $3.00 per 100; 3-in., $6.00 per 100; 4-in., $12.00 per 100.

Asparagus P. Nanus 3-in. pots, $6.00 per 100.

Cocos and Kentias For Centers, 2¼-in. $10.00 per 100; 3-in., 15c. each.

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WHITMANI, 2½-in., $5.00 per 100; $40.00 per 1000.
MAGNIFICA (new), $25.00 per 100.
BOSTON FERNS, 2½-in. $30.00 per 1000.

Henry H. Barrows & Son,
WHITMAN, MASS.
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This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

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THE AMERICAN CARNATION

THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

Elberon (N. J.) Hort. Society

This Society held a meeting February 10, President Peter Murray in the chair. There were present three directors of the Monmouth County Fair Association, E. A. Slote for the plant and flower section, A. Richdale for the fruit and J. W. Thompson for the vegetable section. E. A. Slote asked the members of the Society to cooperate with the Fair Association and make a good show in the horticultural department. The awards in the points competition were as follows: Wm. Seymour for Callas, 98; A. Bauer for Carnations, 85; P. Ewen for Sweet Peas, 80; C. Duncan for Azaleas, 75. James Dowlen was awarded a preliminary certificate of merit for a variegated seedling Carnation, and a certificate of culture for a vase of Anthuriums; he also staged a fine collection of greenhouse Roses.

ALEX. FLEMING, Rec. Sec.

Nassau County (N. Y.) Hort. Soc.

A regular meeting was held in Pembroke Hall, Glen Cove, on Wednesday, February 9, with over forty members present, and President Duthie in the chair. Six applications for membership were received and C. H. Hyde of Roslyn was elected an honorary member. The schedule for our Summer show was approved, date and place to be decided later. The Dahlia show will be held September 28, and a schedule for same was accepted. The Stumpp & Walter Co. offered a silver cup for our Fall show, and at our last dinner Mr. Geo. Burnett offered $25 as prizes for same.

Our next meeting will be Rose Day, and three prizes are offered for the best 12 pink, 12 white and 12 any color, respectively. Vice-president Reidenbach also offered $5 for the best two vases of Sweet Peas, first $3, second $2. The essay of George Wilson of Roslyn, on "Carnations," was a treat for all; it certainly deserved a first place among writings on the same subject. Messrs. MacKenzie, Marshall and Johnston acted as judges, and their decisions were as follow: Carnations: Best 12 white, V. Cleres; best 12 pink, A. Robertson, with Enchantress; best 12 mixed, V. Cleres, with Imperial, Winsor and Enchantress. Cultural certificates were awarded to the following members: W. Eccles for a vase of Winsor, also for a vase of Mrs. Chas. Knopf; Henry Gant, for a vase of Sweet Peas; E. Reidenbach, for two beautiful Cyclamens; A. Robertson, for a vase of Enchantress. Honorable mention was awarded to Fr. Petrocia for a plant of Primula Kewensis, and to E. Reidenbach for a vase of Freesias. At the next meeting Mr. Johnston will give us an account of his travels across the sea during his last vacation.

ADDOR.

Lenox (Mass.) Horticultural Society

One of the most interesting and instructive meetings held by this Society for some time was presided over by President G. Foulsham on Saturday, February 5, and was largely attended. W. Maynard was elected an active member of the Society. An exhibit which called forth special praise was a magnificent vase of twenty-four flowers of the new Carnation Wodenothe exhibited by Mr. Frank E. Whitney, Fishkill-on-Hudson, N. Y., and which was unanimously awarded a first-class certificate. The variety is pure white, the flowers, borne on long stiff stems, measuring 3½" to 4" across. This splendid new introduction has been exhibited before the New York Florists' Club, and at the Pittsburgh Carnation convention of this year where it was awarded a certificate of merit, having scored 90 points.

E. Jenkins gave an interesting lecture upon the growth and pruning of trees, under the title of "Tree Surgery." He showed in a practical manner how trees are increased in value and live longer under judicious pruning. Mr. Wingett took up the discussion in a very interesting way, and showed how the market value of timber could be increased by thinning, etc. Most of the members asked questions upon the subject, which Mr. Jenkins answered in a very able manner; he was accorded a hearty vote of thanks for his instructive lecture. No date has been decided upon for the Society's annual dinner, as yet. The committee in charge are Messrs. E. Jenkins, A. H. Wingett, A. J. Loveless, A. J. Jenkins and A. McConnachie.

The annual ball, which is always looked forward to with much interest in this vicinity, was held on Monday, January 24, and was a decided success, financially and otherwise. The committee, of which F. Butler was chairman, is to be congratulated upon the success attending its efforts. Rose and Carnation night will be held on Saturday, April 2.

G. H. INSTONE, Secretary.

Morris Co. (N. J.) G. and F. Society

On February 9 the Morris Co. Gardeners and Florists' Society held its regular monthly meeting. Though the night was stormy there was a good attendance. Past-president Percy Herbert came all the way from Newburgh, N. Y., to see us and as every member is a personal friend of his, you may be sure he had a warm welcome. The fragrant Havanas he brought with him were much enjoyed.

Harold B. Vyse, by request, read a paper on "The Cultivation of Poinsettias in Pots." It was an able paper. He told, briefly, how he does the trick, and as we are all familiar with his grand display of Poinsettias around Christmas, year in and year out, we were eager to hear from him. He was accorded a hearty vote of thanks. The preliminary schedule proofs were on hand, and after being gone over and errors corrected, the same is to be printed and distributed next week. Considerably over $2000 is scheduled, and we expect to come near $3000 in the regular schedule to be issued in July. The funds are pledged and our executive committee is making a supreme effort to have a show that will be a credit, not only to our own Society but to every other Society that will help us out. We will have a grand show in Morristown this year. The committee is getting encouragement and promises of support from societies and individual growers. The letter from Mr. Elmer D. Smith, president of the C. S. A., read at the January meeting, announcing the C. S. A. would hold its show and offer its special prizes in conjunction with our Society gave us a great boost. Everything looks rosy, so far, but there is a lot of work ahead. Preliminary schedules can be had by addressing E. Reagan, secretary, Box 334, Morristown, N. J.

Four new members were added to our list: Edward McElhaney, New Brunswick, N. J.; John Whalen, Patrick J. Smith, and Geo. Fisher of Morristown, N. J. Next meeting will be Carnation night, and that has for the past few year been a great night. Let us hope the growers will do as well this year. We are to have an informal discussion of the Carnation, to be led by a veteran.

J. A. Peterson of Cincinnati, O., showed a magnificent thing in Begonia Glory of Cincinnati, which was awarded a certificate of merit. C. H. Totty had a collection of Sweet Peas, 18 to 20 inch stems. His Gov. Fort was awarded a certificate of merit.

E. R.

Horticultural Society of New York

The first meeting of the Orchid Section of this Society was held at the American Museum of Natural History on Wednesday, January 26, at 8 p.m., Mr. Clement Moore, chairman of the section, in the chair. A most enjoyable evening was spent, all present taking an active part in the proceedings. It is especially desirable that the meetings of the section assume an informal character, so that all may feel at home, and free to enter into the discussion. It was the presence of this feeling which made the first meeting so enjoyable, and an endeavor will be made to foster this condition.

Responding to the invitation extended in the announcement of the first meeting, a number brought interesting and unusual flowers for exhibition and discussion. E. H. Roehrs of Rutherford, N. J. exhibited a large collection of cut Cypripedium blooms, especially noteworthy among them being Harefield Hall, Julius Roehrs, Wm. McKinley, Stevensi, and aureum virginalis. J. A. Manda of West Orange, N. J., showed a fine form of Cypripedium Charles Canham. Lager & Hurrell of Summit, N. J., added to the interest with a number of plants, among them being a fine form of Odontoglossum crispum and Miltonia Phalænopsis. George V. Nash exhibited cut blooms of some of the unusual plants of the Oakes Ames collection, now forming a part of the Orchid collection of the New York Botanical Garden. Among these were: Tainia viridi-fusca, often known as Calanthe viridi-fusca, from India; an attractive form of Paphiopedilum tonso-Chamberlaini; and Paphiopedilum Duchess of Sutherland; an Oncidium, perhaps an undescribed species, from the higher elevations of Ecuador, was also shown. The next meeting of the section will occur on February 23, at the same place and time. It was decided to devote the evening to a consideration of the genus Cattleya, Mr. Nash opening the discussion with a short talk on the types of the flowers of that genus, illustrated with colored lantern slides. It is hoped that those attending the meeting will bring flowers illustrative of the genus.

G. V. N.

New Jersey Floricultural Society

The annual installation of officers took place at the Society's rooms, Lindsley Hall, Orange, on February 11, when Albert F. Larson, president; D. Kindsgrab, vice-president, William Reid, secretary, and Walter M. Gray, treasurer, entered upon their duties for the current years. The ceremonies were postponed from the January meeting because of a severe storm on that date. The president reception followed and was attended by many invited guests. During the past year the Society has held ten executive sessions, four of which have been devoted to special flowers, the Carnation, Rose, Dahlia and Chrysanthemum. Instructive papers have been give by Chas. H. Totty, W. A. Manda, Rev. L. H. Lightipe and Robert Gray. Public interest was notable in an increase in attendance at shows. The membership has been increased by seven new members and there was loss by death of but one, the late John Crosby Brown. There have been 157 awards of various kinds given at the meetings for the exhibition of flowers of merit; of these 37 were first-class certificates, 43 certificates of merit, and 47 cultural certificates. This speaks well for the skill of the growers.

The floral display was choice and up to the usual standard. In addition to contributions from neighboring estates were exhibits by Lager & Hurrell of Summit N. J., of Orchids, many of which were uncommon and beautiful, particularly Laelia anceps alba, L. anceps rosea, L. anceps Sanderiana and Phalaenopsis Schilleriana of fine color and cultivation.

Charles H. Totty of Madison exhibited a hybrid Hippeastrum having four large flowers on a single stem, in a 4-in. pot, resembling Johnsonii in color and form. This is one of his own introduction.

Among the exhibits from near estates were: Carnations and flowering bulbs by Charles Hathaway, Max Schunder, gdr.; Carnations by S. & A. Colgate, William Reid, gdr.; Roses by the Estate of John Crosby Brown, Peter Duff, gdr.; Richmond, Bride and Bridesmaid Roses by Thomas A. Edison, Frank Drews, gdr. The judges for the evening were W. H. Duckham, Charles H. Totty and Wm. J. Stewart.

J. B. D.

Treasurer Gray surprised the members by telling them that he has the promise of twelve silver cups from a number of ladies and gentlemen in the Oranges, to be awarded at the end of the year for the gardeners or commercial growers getting the highest number of points for Roses, Carnations, Flowering Plants, Foliage Plants and best display of Orchids; for the best display of fruits and vegetables; and for the best seedling Carnation not yet disseminated, grown by the exhibitor. Treasurer Gray is only an amateur, but is one of the most enthusiastic members, and is a prominent Dahlia grower.

A loving cup was presented to our retiring president, Malcolm MacRorie, for faithful services, and as a token of the high esteem in which he was held by the members of the Society.

President Larson, on taking the chair, thanked the members for the honor they conferred on him in electing him to office, and hoped the members would give him all the support possible, and make the coming year a great success. Our honorary member, Rev. L. H. Lightipe, and botanist of the Society, welcomed our visiting guests, who came from Boston, New York, Madison and other places. Addresses were given by Wm. Duckham, Chas. Totty and E. Reagan, all from Madison. They all spoke of the forthcoming Chrysanthemum show, to be held in Morristown next Fall, and hoped the members from our Society would participate and help to make this the grandest show of its kind ever held in this country. They stated that already $2500 was secured for prizes, and that the preliminary schedule was now in the hands of the printer. Addresses were also given by Wm. J. Stewart, J. Austin Shaw and others.

The Wilson Bros. entertained the members with clog dances, Chas. Paterson gave songs and stories, and Geo. Smith, the florist, ably rendered the "Tinker's Wedding." Refreshments were a prominent feature of the evening.

WM. REID, Secretary.

Tuxedo (N. Y.) Hort. Society

A meeting of the Tuxedo Horticultural Society was held on the evening of February 8. In the unavoidable absence of the president, Thomas Murray, Carl D. Shaeffer presided. James MacMachan was elected vice-president, and David McIntosh secretary, to fill vacancies. Eight candidates were balloted for and elected; there were several other candidates whose names were received too late for action that evening. There was a great deal of routine business transacted. It was decided, in view of the boom the Society is now enjoying, that it would be well to have a reunion; this will take the form of a lively social session in the Village Club Room on the evening of March 2. The next regular meeting of the Society will be held on March 8, when a committee will be appointed and put to work on a schedule of premiums for an exhibition. The horticulturists in Tuxedo Park and vicinity are quite enthusiastic in their support of the Society. It is also gratifying to realize that the residents of the Park, and the officials are very favorably disposed towards it.

D. M.

Dobbs Ferry (N. Y.) Hort. Society

This Society held a regular meeting on Saturday, February 12, at its rooms in Oddfellow's Hall, Dobbs Ferry. The following members were appointed as a committee to arrange for a June show: R. Borham, H. Keling, P. Clinton, R. Hutchens, J. Schriber, C. Wilson and H. Harms. The exhibit for the meeting consisted of stagings in a competition covering vases of twelve cut flowers of any kind except Roses. The members competing were: R. Borham, gdr. to J. J. McComb Estate; F. Bradley, gdr. to Mrs. S. Goodman; H. Kastburg, gdr. to the Misses Masters; C. Wilson; H. Heath, gdr. to Miss Flower; H. Keling, gdr. to Scott McComb; H. Jorden, gdr. to E. Gould. Mr. Borham took first prize, Mr. Bradley second.

H. HARMS, Corr. secy.

Dreer's Special Offer of Palms for Easter Decorations

Selected Stock of Excellent Value

Kentia Forsteriana

ARECA LUTESCENS.
6 inch pots, 3 plants in a pot, 24 to 26 inches high, $1.00 each.
7 inch pots, 3 plants in a pot, 36 inches high, $2.50 each.

COCOS WEDDELIANA. A leading specialty.
6 inch pots, 24 inches high, $1.00 each.
7 inch pots, 30 inches high, 2.60 each.

COCOS PLUMOSUS AND FLEXUOSUS.
In small tubs, 6 to 7 feet high, $7.50 each.
In small tubs, 7 to 8 feet high, 10.00 each.

KENTIA BELMOREANA.
6 inch pots, 6 to 7 leaves, 26 to 28 inches high, $1.50 each.
7 inch pots, 6 to 7 leaves, 34 to 36 inches high, 2.50 each.
The plants at $2.50 each are special values.

KENTIA FORSTERIANA. (Single plants.)
6 inch pots, 6 leaves, 28 to 30 inches high, $1.00 each.
6 inch pots, 6 leaves, 34 to 36 inches high, 1.50 each.
7 inch pots, 6 to 7 leaves, 36 to 40 inches high, $2.50 each.
8 inch tubs, 6 to 7 leaves, 48 to 50 inches high, 6.00 each.
11 inch tubs, 6 to 7 leaves, 7 to 7½ feet high, $16.00 each.
14 inch tubs, 6 to 7 leaves, 7 to 7½ feet high, 25.00 each.
15 inch tubs, 6 to 7 leaves, 7½ to 8 feet high, 30.00 each.
The two largest sizes are very heavy plants with bold massive foliage.

KENTIA FORSTERIANA. (Made-up plants.)
7 inch tubs, 3 plants in a tub, 36 inches high, $2.50 each.
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8 inch tubs, 3 plants in a tub, 40 to 42 inches high, $4.00 each.
8 inch tubs, 3 plants in a tub, 42 to 45 inches high, 6.00 each.
9 inch tubs, 3 plants in a tub, 4½ to 5 feet high, $8.00 each.
10 inch tubs, 3 plants in a tub, 6 feet high, $10.00 each.
12 inch tubs, 3 plants in a tub, 6 feet high, 15.00 each.
14 inch tubs, 4 plants in a tub, 6½ feet high, 20.00 each.

KENTIA SANDERIANA. A splendid graceful Palm.
4 inch pots, 3 plants in a pot, 15 inches high, $0.75 each.
6 inch pots, 3 plants in a pot, 18 to 20 inches high, $1.00 each.

LATANIA BORBONICA.
6 inch pots, 6 to 7 leaves, 15 to 18 inches high, $0.50 each.

PHOENIX CANARIENSIS. Splendid decorative stock.
7 inch tubs, 36 to 38 inches high, $2.50 each.
8 inch tubs, 42 to 45 inches high, 3.50 each.
10 inch tubs, 48 to 50 inches high, 5.00 each.
11 inch tubs, 50 to 54 inches high, 5.00 each.

For a more complete list of sizes, as well as for a full line of other seasonable stock, see our current Wholesale List.
The above prices are intended for the trade only

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A large and attractive lot of established plants; also importations coming, which we offer at advantageous prices.

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St. Louis Florists' Club

The meeting of the St. Louis Florists' Club took place on last Thursday afternoon, Feb. 10, at 2 o'clock. The attendance was not as large as was expected but comments were made on the good showing of our suburban members who come a long way to attend the meeting as contrasted with the poor showing of the city members. The trustees were also taken to task for the lack of interest they show in the meetings. When President Windler opened the meeting, there were present twenty-five, twelve of them city members. The meeting opened with its usual routine business. Messrs. Dewever and Connon, a committee on advertising through a florists' club, made their report, after which a lengthy discussion took place in which Messrs. Sanders, Ammann and Fillmore were on one side and Messrs. Guy, Young and Halsted on the other. They made things very interesting for the members for a while when, on a final vote, three more members were placed on the committee to take the matter up again and report at the next meeting in March. The committee now consists of Messrs. Dewever, Connon, Young, Guy and Smith. When this committee reports interesting development are expected.

Mr. J. A. Peterson of Cincinnati exhibited one of his new plants of Begonia Glory of Cincinnati. The Chair appointed a committee to pass on it, who reported as follows: "We, the committee, agree that the new Begonia "Glory of Cincinnati" is a grand variety and a great improvement on existing varieties of the same type.

Henry Wetzel and Chas. D. Hecht, growers, who live in St. Louis County, were elected to membership. Fred Ammann, Secretary of the Illinois Florists' Association, extended an invitation to the members to attend the annual convention of the association which took place Feb. 15-16, at Champaign, Ill. The invitation was accepted with thanks and quite a few present expressed their intention of attending. Wm. C. Smith was then requested to read his paper on "The Troubles of a Wholesaler." Mr. Smith said he was prepared only to give a talk on his troubles which he did in an excellent manner. On motion by the committee a certificate of merit was given the new Begonia "Glory of Cincinnati."

The next meeting of the Club takes place Thursday afternoon, March 10.

ST. PATRICK.

PALMS And Other Seasonable Stock

We have an extra good stock of Forsteriana, made up, three plants in a pot or tub, all clean, perfect plants. We need to reduce our Palm stock, and are giving extra values.

7 in. pots, 3 plants in a pot, 40 to 44 in. high, $4.00 each
8 " 3 " " 44 to 48 " 5.00 "

Single plants Kentia Forsteriana,
7 in. pots, 6 to 7 leaves, 36 to 40 in high, $2.50 each
8 " 6 to 7 " 40 to 44 " 3.50 "

(Full line of sizes of both Forsteriana and Belmoreana in Price List No. 5, just out. Send for it, if you do not receive it.)

GENISTA RACEMOSA, 5 in. pot plants, bushy, $3.50 per doz., $25.00 per 100.
RHODODENDRONS, 18 in. plants with 8 to 12 buds, $9.00 per doz.
" " 24 " " 12 to 15 " 12.00 "
AZALEA MOLLIS, 12 to 15 in. high, full of buds, $30.00 per 100.
" " 15 to 18 " very bushy, full of buds, $35.00 per 100.
BOUGAINVILLEA GLABRA SANDERIANA, 5 in., well shaped, bushy plants, $3.00 per doz.
ASPARAGUS SPRENGERI, 2 in., $2.50 per 100, $20.00 per 1000.
BOXWOOD, fine bush-plants, 12 in. high, $3.00 per doz., $20.00 per 100.
FUCHSIAS, assorted in 6 best varieties, $3.00 per 100, $25.00 per 1000.

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PALMS! Especially strong plants ready for shifting

Kentia Belmoreana, in 2½-in. pots, $9.00 per 100, $85.00 per 100
Areca Lutescens, in 2½-in. pots, $7.00 per 100, $55.00 per 100

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Please mention the Exchange when writing.

ORCHIDS

We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawrenceana, Gaskelliana, Dowiana and Percivaliana. Write to-day.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

Please mention the Exchange when writing.

ORCHIDS

CATTLEYA Warneri, C. Harrisoniae, C. Gaskelliane, C. Gigas, Hardyana type; DENDROBIUM Phalaenopsis, Schroederi; ODONTOGLOSSUM Luteo-purpureum, Sceptrum.

LAGER & HURRELL, Summit, N. J.

Please mention the Exchange when writing.

The Book of WATER GARDENING By Peter Bisset Price, postpaid, $2.50

A. T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By young man, thoroughly experienced in greenhouse and garden work; best of references. Address Herman, 105 Amboy st., Brooklyn, N. Y.

SITUATION WANTED—A1 designer and decorator wants position. Able to manage store. First-class references. Address B. F., care The Florists' Exchange.

SITUATION WANTED—Experienced gardener, recently married, desires position on private place; first-class references. Address Johnson Seed Co., 217 Market street, Philadelphia, Pa.

SITUATION WANTED—By gardener and florist; German, single man, life experience in growing bedding plants, cut flowers; able to make up; good propagator and potter. Address, B. I., care The Florists' Exchange.

SITUATION WANTED—By a German, private or commercial place; life experience in all branches. Age 42, single. Address David Weiss, 128 W. Duval st., Germantown, Philadelphia, Pa.

SITUATION WANTED—American gardener (28) experienced all branches, especially perennials and shrubs; competent to take charge and handle help. Sober and honest. F. W., 129 Wisner ave., Middletown, N. Y.

SITUATION WANTED—By head gardener, 37, German, married, one child; thoroughly experienced in any line of the business; wife would board men if wanted; best references. Address, B. A., care The Florists' Exchange.

SITUATION WANTED—Planting foreman, draughtsman and surveyor for landscape architects and nurserymen, desires position in Spring; location immaterial; employed at present. Address B. D., care The Florists' Exchange.

SITUATION WANTED—By head gardener, married, no children, in private family for the first of March. Thoroughly experienced in greenhouse work, vegetables and fruit trees. Best personal references. Write A. Buteaux, Allendale, N. J.

SITUATION WANTED — By Gardener, Scotch, single, with twenty years' experience in growing of fruits, flowers and vegetables, outside and under glass; Canadian and city references. Address G. B., 322 West 15th st., New York City.

SITUATION WANTED—By florist and gardener, 25 years' experience in all branches; married, 40, one child, on gentleman's place; also acquainted with landscape gardening. Address Charles Kalfur, Washington Ave., Richmond Hill, L. I., N. Y.

A LANDSCAPE GARDENER

having to his credit large and successful work, capable of making up planting plans and taking full executive charge, wishes an engagement. Address, Z. H., care The Florists' Exchange.

SITUATION WANTED—By gardener or assistant for private or commercial place near New York; Austrian, 28, married. First-class grower of Chrysanthemums, Carnations, cut flowers and bedding plants. 14 years' experience, best of references. Address A. J., P. O. Box 131, New Rochelle, N. Y.

SITUATION WANTED—As head gardener or superintendent, by young man, disengaged shortly. First-class private place only. Grower of prize Roses, Carnations, 'Mums and Vegetables; landscaping, waste and barren places made beautiful; care of stock, etc. A1 references; state wages. Address, B. C., care The Florists' Exchange.

SITUATION WANTED—Advertiser having recently completed extensive landscape work is open to undertake such to any extent; life experience with leading nurserymen, landscape architects and finest private estates in Europe and this country; designing road making, expert planter, grading, etc., etc. Thorough knowledge of nursery stock in all branches; very exceptional experience. Address, B. G., care The Florists' Exchange.

SITUATIONS WANTED

SITUATION WANTED—By a German, 25 years of experience, single and sober, greenhouse man; A1 grower of Carnations, 'Mums, Easter and bedding plants; also good designer and decorator. Best of references. Private or commercial place. Address, C. S., 383 East 198th st., New York City.

SITUATION WANTED—As a head-gardener on private place, by a married, educated man; 41 years of age, (German) no children, 27 years' experience and perfect in all branches. Best of references; position wanted at any time. Please state particulars. Address R., care of O. Twersen, 676 East 166 st., New York City.

WANTED—To correspond with a first-class concern, who is desirous of securing a foreman or manager capable of handling men to the best advantage and running the place in a systematic, up-to-date way. First-class grower of fancy pot plants and cut flowers; the best of references as to character and ability; married; total abstainer. Address, Z. E., care of The Florists' Exchange.

HELP WANTED

WANTED—Strong young man for work about greenhouses. Address, Henry Eichholz, Waynesboro, Pa.

WANTED—Single, American man for general greenhouse work; potting, watering, etc. Joseph Wood, Spring Valley, N. Y.

WANTED—Experienced storeman and decorator with a knowledge of greenhouse and outdoor work. Address or call "Wilson's," 245 Greene ave., Brooklyn, N. Y.

WANTED—A young man with some nursery experience to assist in Herbaceous Department. State wages wanted. Chas. R. Fish & Co., Worcester, Mass.

WANTED—Active young man in greenhouses where Roses, are grown. Good opportunity in uptodate place. References required. Address, A. K., care The Florists' Exchange.

WANTED—Foreman for greenhouses, experienced in bedding plants and to have some knowledge about nursery stock propagation. State wages wanted, etc. Address Rhode Island Nurseries, Newport, R. I.

WANTED—Vegetable gardener on private place under Superintendent. Married man. Wife to board help. State wages required, with house, light and fuel. Address B. H., care The Florists' Exchange.

WANTED—An experienced nurseryman to act as assistant foreman. Must be temperate and reliable. State references, age, and wages desired. CHASE BROTHERS Co., Rochester, N. Y.

WANTED—Gardener or nurseryman to take charge of nursery stock in cellar and make himself generally useful in a seed store. Apply in own hand writing stating salary required. Arthur T. Boddington, 342 West 14th st., New York.

WANTED—Nurseryman experienced in making soft and hard wood cuttings, also capable of taking charge of planting gang. State age, experience and wages desired. Address, A. F. Meisky, Box 197, Elizabeth, N. J.

WANTED—Foreman, thoroughly experienced in the growing of the highest class of decorative plants, Palms, Ferns, Fuchsias, Gloxinias, etc.; also bedding plants and the propagation of nursery stock. Permanent position to an energetic and industrious man with advancement. Address, B. E. care The Florists' Exchange.

WANTED — Assistant gardener, in the neighborhood of New York City, who is familiar with hot beds, flowers grown out-of-doors, perennials and annuals, handy with design work. Wages $35.00 per month with room and board. Address stating experience and references, B. B., care The Florists' Exchange.

WANTED
FARM AND GRASS SEED MAN

One who knows, can talk and sell these seeds to farmers and others in a city store—must be a man of good address with first-class recommendations and strictly reliable. We don't want the fellow who "thinks he can" and "is willing to try," it's the fellow beyond that stage. One that has already been a **successful salesman**, not one who merely waits on customers to what they ask for but can make sales. We have a good opening right now. Speak quick. A hustler of middle age preferred. LIVINGSTON SEED CO., Columbus Ohio.

Fernwood Nursery

WANTED—A nursery salesman; must have A No. 1 references and have knowledge of landscape work and be familiar with the variety and value of all Evergreens. Apply by mail to the

FERNWOOD NURSERY, Stamford, Conn.

New York Office: 50 W. 30th St.

Please mention the Exchange when writing.

STOCK FOR SALE

ASPARAGUS

ASPARAGUS PLUMOSA PLANTS
2¼-inch .....$3.00 per 100
4-inch ..... 6.00 per 100
S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia, Pa.

ASPARAGUS PLUMOSA NANUS SEED
$1.00 per 1000 seeds.
3.50 per 1000 seeds, in lots of 10,000.
Sprengeri, per 1000 seeds $1.00.
S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia, Pa.

CARNATIONS

CARNATIONS—Apple Blossom and Wanoka; strong rooted cuttings. Delivery, January 1. Wanoka Greenhouses, Barneveld, N. Y.

CARNATIONS, 10,000 strong, healthy, rooted cuttings of Winsor at $20.00 per 1000, now ready for immediate delivery. JAMES L. COCKCROFT, Northport, L. I., N. Y.

STOCK FOR SALE—Carnations, rooted, clean and strong, from boxes; Winsor, Beacon $24.00 per 1000. Rose Hill Nursery, New Rochelle, N. Y.

WINSOR CARNATIONS
Strong, Clean, Well-rooted Cuttings
$2.00 per 100
25.00 per 1000
We will exchange 1000 well-rooted Winsor, for 1000 well-rooted White Enchantress.
VALLEY VIEW GREENHOUSES,
Velie Bros., Props. Marlborough, N. Y.

CARNATION CUTTINGS.
Strong, clean and well rooted.

STANDARD VARIETIES

	Per 100	1000
Enchantress	$3.00	$26.00
Rose Pink Enchantress	3.00	26.00
Winsor	3.00	26.00
Winona	3.00	26.00
Afterglow	3.00	26.00
Lawson	3.00	26.00
Melody	3.00	26.00
White Perfection	3.00	26.00
White Enchantress	3.00	26.00
Queen Louise	2.60	20.00
Beacon	3.00	26.00
Victory	3.00	26.00
Variegated Lawson	3.00	25.00
M. A. Patten	2.60	20.00
Mrs. Hutchison	3.00	26.00
Roosevelt	2.60	20.00
Boston Market	2.60	20.00
Flora Hill	2.60	20.00
Dorothy	2.60	20.00
Elbon	2.60	20.00
Liberty	2.60	20.00
Climax	2.60	20.00
White Beauty	2.60	20.00
Yellow Beauty	2.50	20.00

NEW VARIETIES

Alma Ward	16.00	120.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Dorothy Gordon	10.00	75.00
Apple Blossom	6.00	50.00
May Day	6.00	50.00
Georgia	6.00	50.00

S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia Pa.

CHRYSANTHEMUMS

GLORIA, a large early Enchantress colored 'Mum, R. C., now ready, $1.00 per 25; $3.75 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

STOCK FOR SALE — Chrysanthemums, rooted cuttings. Estelle, Desjouis, Poehlmann, Golden Glow, Monrovia, Pacific Supreme, Enguehard, Nonin, $1.00 per 100, $10.00 per 1000. Hardy Pinks, Pansies, Geraniums, Carnations, Boston Market, $1.00 per 100 list. Edward Wallis, Atco, N. J

CHRYSANTHEMUMS—Strong rooted cuttings of Major Bonnaffon, Glory of Pacific, Polly Rose, Pacific Supreme, 75c. per 100; 2-in., $1.75 per 100. Now or later delivery. Also the best commercial sorts of Geraniums in mixture, 2½-in., $1.75 per 100. Would exchange for Carnation cuttings. What have you to offer? L. Mitchell, Jr., Florist, Pulaski, N. Y.

ROSES

ROSE STOCK.

5000 White Killarney, 2½-in. pots now ready at $8.00 per hundred, $75.00 per 1000. Richmond, Brides, Maids, Chatenay, Golden Gate, Killarney and other standard kinds, $30.00 per 1000. Charles H. Totty, Madison, N. J.

	100	1000
ROSES Dorothy Perkins	$6.00	$50.00
Lady Gay	7.00	60.00
Sweetheart	9.00	
LIGUSTRUM Ibota, 3-4 in.	7.00	60.00
" " 2½-3 in.	6.60	50.00

THE HORTICULTURAL CO.,
Worcester, Mass. Castle Hayne, N. C.

Use our columns when having extra stock to dispose of.

STOCK FOR SALE

MISCELLANEOUS

STOCK FOR SALE—Boston Ferns, strong, from bench $24.00 per 1000. Ross Hill Nursery, New Rochelle, N. Y.

FOR SALE—Primula obconica grandiflora, mixed colors, in bud and bloom, fine plants, 2-inch, 6c.; 2¼-inch, 2½c. Address, Floral Hill Gardens, Chatham, N. J.

STOCK FOR SALE—Tomato Plants, Comet and Mayflower. Fine 2½-in. pots, $2.00 per 100. J. H. A. Hutchison, Locust st., Greenhouses, Oxford, Pa.

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices. George Peters & Sons, Hempstead, N. Y.

AMPELOPSIS VEITCHII SEED, $1.00 per lb. Berberis Thunbergii seed, 75c. per lb. Rosa Rugosa seed, 75c. per lb. Address, F. N. Hadden, 145 Pond st., Providence, R. I.

STOCK FOR SALE—Dahlia Roots, undivided field-grown clump, White Swan, Pearl d'Or, Kreimhilde, Nymphia, Lyndhurst and Catherine Duer. Send for special price list. Wood & Healey, Hammonton, N. J.

STOCK FOR SALE—Geraniums S. A. Nutt and Double Lobelia, 2-in., $2.00 per 100, Rooted Cuttings, Double Lobelia, Salvia, Zurich, German Ivy Ageratums, Gurney and Cuphea, 75c. per 100. Cash with order. F. A. Ezold, Haddam, Conn.

BOXWOOD

Boxwood, dwarf. Fine, well furnished, perfect, 2-year transplanted plants, 6 to 10 in., $1.60 per doz.; $8.00 per 100. Packed free. No samples. Guaranteed as represented above. CHAS. BLACK, Hightstown, N. J.

BEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2¼-in. pots, $12.00 per 100, $110.00 per 1000. Bay and Box Trees, in all sizes, pyramid and standards. Write for list. Orchids, largest stock in the country. Ask for prices. Julius Roehrs Company, Rutherford, N. J.

FERNS AND ASPARAGUS

Boston, 3, 4 6 in. at 5c., 12c., and 35c.
Piersoni, 3, 4, 6 in. at 6c., 15c., and 40c.
Whitmani, 3, 4, 6 in. at 10c., 20c., and 50c.
Sprengeri, 2, 3, 4, 6 in., at 2c., 3c., 6c. and 12c.
Smilax, 3 in., 3c.
GEO. M. TODD, GREENSBORO, N. C.

AMOOR RIVER PRIVET—Great Bargain.
This is fine, 2-year stock.
5-6 ft., $4.50 per 100, $40.00 per 1000.
4-5 ft. $4.00 per 100, $35.00 per 1000.
2-4 ft. $2.50 per 100, $20.00 per 1000.
Also 1-year stock.
2-3 ft. $2.50 per 100, $20.00 per 1000.
1-2 ft., $2.00 per 100, $16.00 per 1000.
GEO. M. TODD, GREENSBORO, N. C.

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA

The true large flowering forcing variety, warranted true 2¼-inch pots at $3.00 per hundred, one year field grown strong 12 to 18 inches, $6.00 per hundred, $56.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

CALIFORNIA PRIVET

12 to 15 in., $1.50 per 100, $12.50 per 1000.
18 to 24 in., 2.50 per 100, 20.00 per 1000.
2 to 3 ft., $3.00 per 100, $25.00 per 1000.
3 to 4 ft., 4.50 per 100, 40.00 per 1000.

SHRUBS IN LARGE QUANTITIES

Viburnum Plicatum, 2 to 3 ft., $12.00 per 100; 3 to 4 ft., $16.00 per 100; 4 to 5 ft., $17.00 per 100; Specimens, 5 to 6 ft., $7.60 per 10.

POPLARS, CAROLINA AND LOMBARDY IN QUANTITY

Send for wholesale list now ready.
THE ELIZABETH NURSERY CO.,
Elizabeth, N. J.

SUNDRIES FOR SALE

FOR SALE

One No. 5, Gorton Boiler; manufacturers guarantee capacity; 1600 square foot steam, 2400 of hot water, good condition, to first comer $100.00. R. C. DERNES, 175 Senator st., Brooklyn, N. Y.

FOR SALE—Three greenhouses at No. 416 Elm Street, Pittsfield, Mass. Glazed with 16x24 A double thick glass; heated with one large 8-section Furman boiler, 2-in. pipe. The drip bars and other material are all of Cypress—just like new. We will sell all or any part of same. Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

FOR SALE—600 boxes 12x20 and 12x18 double thick glass; lot hotbed sash, 15,000 feet of 1-in., 6000 feet of 2-in. and 1½-in., 4000 feet 4-in. Hitchings pipe; 1400 feet ventilating apparatus; 2 Erie locomotive boilers, one No. 6 Lord & Burnham and one No. 17 Hitchings, 2 years old; everything in first-class condition; 10 greenhouses, 20 x 110; complete or in single lots, very cheap. Inspect S. C. Nash Roseries, Clifton, N. J., or inquire Siessermann, 229 Livingston Street, Newark, N. J.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

FOR SALE OR RENT

FOR SALE IN NEW JERSEY—Fine place for a florist; opposite 200 acre Catholic cemetery; 4 acres, fine house and barns. Terms to suit. Address, Geo. Lentz, Schuyler ave., North Arlington, N. J.

FOR SALE—I am forced to sell at once my retail florist store (Brooklyn) for $350. Sale includes good will, stock, furniture and heating. No opposition. Good reason for selling. Address, A. H., care The Florists' Exchange.

FOR SALE—A good florist retail business, 5000 ft. of modern built glass with workroom and living rooms attached; good trade; best place in town; good reasons for selling. For price and further details, address, Jacob Van Akkeren, Dunkirk, N. Y.

PUBLIC SALE
March 1st.

Florist property, greenhouses, modern dwelling, stable, outbuildings, large acreage, plenty of water, clear title, conveniently located, suitable conditions of sale. For all particulars apply to H. C. Biddle, Ambler, Pa.

FOR SALE

Greenhouse establishment with four semi-iron frame greenhouses, 16x24, glass, with good barn and out buildings. Eight room house with hot water heating; 3 acres of ground right near good town and also handy to the New York market. This whole place has been built the last 3 years and is in first-class condition; well stocked and beautiful grounds. Price $12,000, half cash. Address, A. G., care The Florists' Exchange.

TRUSTEE'S SALE.

On March 1, 1910, at 10 a.m., at the greenhouses, Old Bowery Bay Road, near Flushing avenue, Long Island City, the undersigned will sell at public auction to the highest bidder, by cash, the stock, etc., of Mary Kolloge, Bankrupt, consisting of Salvia, Primula, Asparagus Plumosa, all sizes of ferns, in pots, bench and baskets, Marantha, Honeysuckle, Ageratum, Dracæna, Canna, Anthericum, Hydrangea; also hose, wagon, single and double harness, pots, etc., etc.

WM. H. SIEBRECHT, JR., Trustee.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouse and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.
Please mention the Exchange when writing.

DAHLIA POLES

2 to 6 Feet Long

POINTED HARDWOOD STICKS; Green and Plain, 5, 12 and 18 inches long.

BLUNT END SOFTWOOD STICKS; for stemming, Green and Plain, 6, 12 and 18 ins. long.

HUGO L. GROTE, 1123 Broadway New York

Please mention the Exchange when writing.

We Pay The Freight on cut-flower and design boxes. See our price list on page 312, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.
Box 200 - - - Castorland, N.Y.

Please mention the Exchange when writing.

The book of WATER GARDENING
By Peter Bisset. Price, postpaid, $2.60
A. T. DE LAMARE PTG. & PUB. CO. Ltd
2 Duane St. New York.

FOR SALE

RADIATORS Steam, 1½c. per lb.; hot water, 2c. per lb. Guaranteed. All sizes in stock.

BOILERS The following new, round, portable hot-water boilers—guaranteed, 16-in., rated to heat 1,125 sq. ft. of glass, $34.00. 19-in., rated to heat 1,600 sq. ft. of glass, $46.00. 22-in., rated to heat 2,250 sq. ft. of glass, $64.00. 26-in., rated to heat 3,075 sq. ft. of glass, $90.00. Get our prices on second-hand boilers. We have one of the largest stocks of new and second-hand round and sectional hot-water and steam boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 3½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large Stock—All Makes and Sizes—Send for special prices.

STILLSON WRENCHES New, guar. 18 in., capacity 2 in., $1.20. 24 in., capacity 2½-in., $1.80. Flat chain wrenches, No. 3, capacity ¾ to 6 in., $3.85.

GARDEN HOSE In lengths up to 500 ft., with couplings. 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 3½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete. $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES. All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1399-1408 Metropolitan Ave., BROOKLYN, N. Y.

Catalogs Received

E. E. STEWART, Rives Junction, Mich.—Wholesale Trade List of Gladioli.

M. CRAWFORD CO., Cuyahoga Falls, O.—Crawford's Catalog of Strawberry Plants and Other Small Fruits.

ALBERT SCHENKEL, 33 Raboisen, Hamburg, Germany. General Catalog of Seeds and Plants. 124 pages; illustrated.

J. M. PHILIPS' SONS, Pittsburgh, Pa.—Catalog of Flower and Vegetable Seeds, and Bulbs for Spring and Autumn Planting. Illustrated, and appearing within lithographed covers.

CENTRAL SEED & BULB CO., 52 Wabash ave., Chicago and Benton Harbor, Mich.—Catalog of Bulbs and Roots, covering Gladioli, Dahlias, Garden Lilies, and Iris. Illustrated.

GEORGE H. PETERSON, Fair Lawn, N. J.—A Little Book about Roses, 1910. This is a well printed treatise on Roses and their cultivation, and a catalog of selected garden varieties. Well illustrated.

C. S. HARRISON'S SELECT NURSERY CO., York, Nebraska.—Price List for Spring, 1910, of Fruits, Vegetable Roots, Trees, Shrubs, Evergreens, Peonies, Irises, Hardy Perennials, etc. Illustrated.

J. A. SIMMERS, Toronto, Can.—100-page Catalog of Seeds, Bulbs, Plants, etc., embracing Vegetable and Flower Seeds, Bulbs, Roots, Foliage and Decorative Plants, Roses, Hardy Perennials, Ornamental Shrubs and Trees, Evergreens, and Fruits. The publication is well illustrated, and is bound in handsomely lithographed covers.

Newport, R. I.

What is to be one of the very best Summer residences in this city is the new home, "Belvoir," which is being erected on Beacon Hill for Com. Arthur Curtis James. The substantial stone dwelling which stood there when purchased by Mr. James has been demolished and to secure sufficient area for the new building the rocks have had to be blasted and drilled out, a force of something like 250 men having been employed all Winter on this work. When the landscape work which is in charge of the Olmsteds of Boston, is completed, there will be a fairyland among the rocks surpassing anything ever attempted here.

An important sale of real estate is that of Robert N. Carson, on the Cliffs, to E. C. Knight, Jr., who is to add it to his place, "Claradon Court" on Bellevue ave. The price paid was $200,000 and, by this addition, Mr. Knight not only owns from Bellevue ave. to the store but also Gull Rock, the rocky island in front. The lawn is to be extended after some of the present buildings have been removed, and a range of glass erected. A novel feature in the sunken garden at the Knight place is that evergreens are used entirely in filling the beds which were formerly planted with tender carpet bedding plants, thus doing away with much labor. The plants are trimmed three times during the Summer and, after two years' growth, are only 9" in height; for an edging the dwarf box is used. One of the combinations is Retinispora plumosa aurea with Retinispora squarrosa var. Veitchii, and the effect is very good.

Sergt.-at-Arms Wm. F. Smith of the Newport Hort. Society, who had the misfortune a week ago to have his arm dislocated at the shoulder, expects to be able for work again in a few days.

W. Scott Sisson is quite ill at his home on Bliss road, the attack having come on quite suddenly.

ALEX. MACLELLAN.

Headquarters for Easter Plants
AZALEAS One of Our Specialties

PREPARE FOR EASTER

Have Azaleas to burn, the best in the land, the best in the land the best in the land, Azaleas in finest colors, to beat the band, to beat the band, to beat the band

THE BEST EVER

Better than ever are the plants whose gleaming
Blossoms and leaves shine bright in Aschmann's store;
Flowers of the kind of which we are always dreaming,
More nearly perfect than all grown before;
Lilies with whiter sheen; Azaleas, richly tinted;
Ferns with their lacey fronds, like bridal veils;
The Araucaria branches, fruit with dollars minted,
For florists' use after Easter sales.

Azalea Indica

In large sizes we have the following varieties: **Hernard Andrea alba** (white), **Niobe** (white double), **Dr. Moore** (double pink), **Memory de Van Houtte** (large-flowering double pink), **Mme. Van der Cruyssen** (double pink; one of the best known varieties), **Helena Tellman** (rose; very attractive), **Empress of India** (double variegated), **Schreveriana** (double variegated), **Apollo** (red), all covered with buds. Price: $1.50, $2.00, $2.50 to $3.00 each.

In smaller sizes we have **Empress of India** (double variegated), **Simon Mardner** (double pink), **Vervaeneana** (one of the old standard double variegated), **Apollo** (red), **Mme. Van der Cruyssen** (pink; the standard of all the pinks), **Deutsche Perle** (double white), **Schreveriana** (double variegated). Price: 75c., $1.00, $1.25 to $1.50.

Prof. Woltere, one of the so well known bright variegated, $1.00, $1.25 to $1.50.

KENTIA Forsteriana. Imported last Spring (1909) from Ghent, Belgium, in fine condition, 6-7 in. pots, 35-40-50 in. high, $1.25, $1.50, $2.00, $2.50 to $3.00; 4 in., 20c. **Belmoreana**, 6-in., $1.25-$1.50 each; 4-in., 25c.; 3 in., 10c.

NOTICE: **LILY BULBS** of the larger size (9-10 in.) were very scarce to obtain last Fall owing to the wet weather in Japan; not even 20 per cent. could be supplied. But our grower in Japan, knowing well our position, has taken good care of us, and we were one of the few fortunate to receive 5000 of 9-10 in. bulbs from him—our full order of last Spring.

EASTER LILIES. Japan Multiflorum, of our own importation, raised from special 10-in. bulbs, 6-in. pots, right for Easter. This year I can say we have the finest lot, free of disease, we have had for years past. The large demand for Lilies exceeds the supply every year; we, therefore, ask that you order early. Price, plants with five buds and upwards, 10c. per bud; plants with under five buds, 12c. per bud. We can satisfy all wants if ordered soon.

Owing to the small profit in the growing of Easter Lilies, an order for a reasonable amount of other stock should accompany all orders for Lilies.

CINERARIA Hybrida. We have a house full, 125 ft. by 21 ft., of the choicest colors—Henry F. Michell Co.'s best strain, just right for Easter. 5, 5½ to 6 in. pots, medium height, 20c., 25c., 35c., 50c., 75c. to $1.00. Same ready now if wanted.

BEGONIA, New Improved Erfordii. Always in bloom, Summer and Winter; 4-in. pots, very strong, $2.00 per doz.; 5¼-in., in bloom and bud, 25c., $3.00 per doz.

PRIMULA Obconica. 5¼-in. pots in bloom, $2.00 to $2.50 per doz.

FERNS for dishes, 2½-in. pot, $5.00 per 100.

Have some white **Azalea Deutsche Perle** and **Vervaeneana** now in bloom if wanted, at 75c. and $1.00 each.

Hyacinths. Raised from first-class bulbs of our own importation. These Hyacinths cannot be compared with ordinary stuff raised from cheap bulbs floating the market. **King of the Blues** (dark blue), **Grand Maitre** (lavender blue), **Gertrude** (pink), and **La Grandesse** (white). 4-in. pots, $12.00 per 100.

TOURNESOL TULIPS. Red or yellow variegated. This is the best selling double Tulip in the market. Will stay in bloom in good condition ten days. Three bulbs in one 4-in. pot, $1.50 dozen pots or $12.00 per 100 pots. **Murillo Tulips**, best double pink, 3 bulbs in a 4-in. pot, $1.75 per doz. pots.

Double Von Sion NARCISSUS. The best yellow Narcissus in the market, sells at sight; three double-nosed bulbs planted in one 5, 5½ to 6-in. pots. Price, $2.00, $2.50, $3.00 per dozen pots.

IPOMOEA Noctiflora. Best pure white Moonvine in market, very fragrant and as big as a saucer. On this variety we have a world-wide reputation as growers and shippers for the last twenty years. Price, 2½-in. pots, $5.00 per 100. 10,000 are now ready.

CINERARIA Hybrida Grandiflora. 5-in. 20c.; 6-in., $3.00, $4.00, $5.00 per doz. 460 right for Easter.

COCOS Weddelliana, 3-in., 15c.

BEGONIA Flambeau. Sells at sight, 4-in. pots, 20c.; 5½-in. pots, 25c.

FICUS Elastica or Rubber Plant. Home-grown and Belgium stock, 5 to 5½-in, 25c.

LATANIA Borbonica. 4-in. pots, 20c.

HYDRANGEA Otaksa. Already forced, in bud, just right for Easter, 6 to 7-in. pots, 35c., 40c., 50c., 75c., $1.00 to $1.50 each.

SPIRAEA Gladstone, 6 to 7-in. pots, large stuff, 50c., 75c. to $1.00 each.

FERNS, Todeoides and Whitmani, 6-7 in. pots, 50c., 75c. to $1.00; 5 to 5½ in., 35c., 40c.

GODFREY ASCHMANN

Wholesale Grower and Importer of POT PLANTS

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Please mention the Exchange when writing.

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FOR MARCH 17th

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Sample swatches will prove values. A postal brings them

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Philadelphia, Pa.

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Henry M. Robinson & Co., Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

Dagger and Fancy Ferns, $1.50 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

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15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

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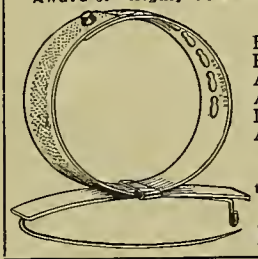
WILSON'S CORSAGE-BOUQUET HOLDER

Award of "Highly Commended" at the S. A. F. Trade Exhibition at Cincinnati.



Holds Corsage-Bouquets securely and gracefully.
Prevents damage to apparel.
Adjustable to any diameter of bouquet stem.
Adaptable to anything from Violets to Roses.
Does away with Corsage Pins.
A handsomely silver plated article and ornamental in itself.

Samples to the trade, 25c. each, by mail postage paid. By the dozen $3.00, postage paid. Correspondence Solicited.

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FANCY OR DAGGER FERNS, $1.00 per 1000.

GALAX, bronze or green, $1.00 per 1000. **SPHAGNUM MOSS,** 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel.

Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods.

SMILAX, 50 lb. cases, $6.00.

PINE, 7c. per lb.

Telegraph office: New Salem, Mass. L. D. Phone Connection

Partridge Berries, $2.00 per 1000 or 10c. per bunch of 50 sprays.—Order now. Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $12.00 to $15.00 per 100 lbs.

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All Sizes, Lowest Price

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REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work

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F. E.—The Best Advertising Medium

Exigencies of the Supply Trade

The blizzard in the mountains of western Pennsylvania has been making life hard for the evergreen shippers of that section. The roads have been drifted high with snow for some time. The Allegheny Mountain Evergreen Co. of Farmington, Pa., recently sledded five hundred bags of sheet moss twenty-five miles to the nearest shipping point, shoveling their way through high banks of snow a great part of the distance.

Retail Notes

SOMERVILLE, MASS.—The Reynolds flower store in the new Central building was recently damaged by fire.

TRENTON, MO.—The Trenton Floral Co. has been incorporated. The directors are L. A. Warden, H. N. Longfellow, B. A. Barnes, C. W. Sloan, and L. Derocher.

WINONA, MINN.—John Fuhlbruegge, florist, has completed arrangements for opening a branch store in Rochester, Minn., which he will supply from the Winona greenhouses.

CUMBERLAND, MD.—Fred. M. Ruppert, for several years connected with John M. Bopp of this city, in the floral business, has purchased Mr. Bopp's business and has taken over the same.

WASHINGTON, D. C.—The florists have filed a protest with the House Committee on the District of Columbia, against the amendment of the bill "for the proper observance of Sunday as a day of rest in the District of Columbia." The florists claim that if the bill is enacted into law they will be unable, lawfully, to make up funeral wreaths on Sunday.

Laying Out a Garden Walk is an Art

In the new garden the making of a walk is as much a matter of study and care as the sidewalk in front of the house. There is nothing so good for this purpose as concrete, but where the expense of that ideal material is too great there can be substituted brick, flagstone, cobbles, pebbles or limestone screenings, says The Delineator for March. The walk should be the only formal stiff feature about the well-planned home garden, and time, with the growth of the foliage along its sides, will cure that to a great extent.

The walk should "lead from somewhere to something"; it should have a purpose, which is primarily to give access to the garden, but if there are any landscape features in the garden, as there should be, it should become a portion of their motive. If there is a pergola, arch, arbor, garden-house or garden seat, the access thereto should be by the main walk, and not by a lateral path. This presupposes a garden of considerable extent, as these features would have no place in a tiny one, but, lacking these, there must still be something to which the walk leads. It should not end against a wall, fence or the side of a building, but if it approach them, should be continued along them to end definitely somewhere, as a door to a building or a gate in a wall, fence or hedge. This marks the real difference between the walk and the path. The latter may lead anywhere and end nowhere; it may lead into and stop at a clump of bushes, and may wind and turn at convenience.

You Need this in Your Business

THE FLORISTS' EXCHANGE

Design Book

It is handsomely printed on enameled stock, and contains 80 pages, size 9x12 inches, with strong paper cover

Every florist who has to "make up" Designs will receive valuable ideas from its contents, which include over Two Hundred Illustrations, embracing nearly every variety of order that will come to you.

This Design Book can be obtained only through a subscription for this paper, the leading florists' trade organ of America, issued every Saturday, at $1.00 per annum. The Florists' Exchange two years, and one copy of the Design Book, $2.50. Paid up subscribers will be mailed one copy for 75 cents.

Positively this Design Book can be obtained only through becoming a subscriber.

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.25	28x8x4	$4.50
18x5x3	2.26	30x5x3½	3.76
24x5x3½	3.00	36x6x5	6.60
21x7x3½	3.25		

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.50
18x18x8	9.00	36x10x6	10.00
20x20x8	10.00	30x12x7	8.50
24x24x8	12.00	28x12x4	6.50
24x18x8, Pillow Box			12.00
20x15x8, Pillow Box			10.00

10% discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

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New York Office, 20 East 42nd Street

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MICHIGAN CUTFLOWER EXCHANGE, Inc.

Wholesale Commission Florists

Dealers in Fancy Ferns

38-40 Broadway, Detroit, Mich.

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ICE BOXES The Latest Improved

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Now ready for shipment.

Write, wire, or 'phone the introducers.

CALDWELL THE WOODSMAN DECORATING CO.

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KRICK'S Florist Novelties

Manufacturer and Patentee of

The only genuine IMMORTELLE LETTER on the market

1164-66 Greene Ave., BROOKLYN, N. Y.

For sale by all supply houses.

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MANUFACTURERS

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Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the Exchange.

The Largest Handler of **LILACS** In This Country.

Fine Yellow Daisies and Single Daffodils

John W. McIntyre, Wholesale Florist, 1601 Ranstead Street, PHILADELPHIA, PA.

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The Black Rose

Dennis Trapley, a rheumatic cripple of Savannah, Ga., has discovered, it is stated, by the daily press, a process whereby black Cotton and black Roses can be grown, and was last week in Washington trying to obtain a patent on his formula.

Here is the history of Trapley's "discovery," as related by him to Mr. Billings, Assistant Commissioner of Patents:

"After fifteen years of experimenting I have discovered a process by which black Roses and black Cotton may be produced. The formula is inexpensive. It consists of three inexpensive chemicals which are diluted with water.

"I have taken an ordinary Rose bush and planted it in rich earth, and by feeding it this chemical fluid have produced a Rose as large and heavy as an American Beauty and as black as coal. The petals of this Rose have the same gloss and lustre as the American Beauty. The feeding process is exactly the same as watering a plant.

"As the first shoots of the bush push up through the earth an extraordinary darkness can be noticed. As they grow their colors become darker. The same is true of the foliage. The leaves of the bush are almost black. The buds when they appear are black.

"One of the peculiarities of the process is that after a certain number of applications during the first year it can be stopped and for two seasons the plant will bear black flowers. If the feeding process is not continued in the third year the bush will again assume its natural state.

"What is true of the Rose is true of all other flowers and also of Cotton. By the use of my chemical secret I can produce black Cotton and it will cost little or nothing as compared with black dye. One of the features is that the chemicals seem to have a general good effect on the plants. Those I have experimented upon have grown to extraordinary size and are of a fine fibre.

"The day my process is protected by patent I can dispose of it for $500,000. This proposition has been made me."

Born in the backwoods of Georgia, Trapley can scarcely read or write. When a boy, Dennis, as he is known to every merchant in Savannah, fished in the creek which ran by his father's cabin. Many a night he slept on the bank with the heavy malarial mists from the waters as his only covering. When he was fifteen he became afflicted with rheumatism, and at seventeen he was a distorted sufferer. His hands are drawn and misshapen, his legs are crooked, his head is drawn down on his chest until he can see only sideways when standing.

When Trapley was seventeen he moved to Savannah to get treatment. He began making keyrings, upon which he marked initials. Soon he became known as the "keyring boy of Johnson Square." On a corner, Dennis, in an invalid's chair, would sit fourteen hours a day making keyrings and selling them. For fifteen years he has been following this life.

In the Spring and long Summer evenings, after he went home, Dennis would plant Roses and cultivate them. From early boyhood he had one thought, that of producing a black Rose. First he tried grafting. Failing, he began the use of chemicals. This thought occurred to him after seeing a farmer spread lime on the fields which he was to cultivate. Dennis believed that if light soil and lime would produce a light Sugar Cane and light colored syrup, some chemical might produce the black Rose. About five years ago, he says, he produced the first bloom of black Roses, also black Cotton. Later he produced other black blooms.

Our own personal opinion of the value of a black Rose (really, it is not such, but merely colored by chemical action in the ground—if the story is true) is echoed in the following extract from one of our metropolitan papers:

"The utility of a black Rose is questionable. It will never satisfy the eye like the red, yellow or white Rose. A new poetry of Roses must be made to fit it; no lover will come to use it as a symbol of his passion. At its best it will seem a thing of mystery. A bunch of black Roses, carelessly laid on the rail of a parterre box at the opera, will not necessarily charm the vision of the unfortunate lookers-on in the stalls. The near sighted ones may fancy that the principal occupant of the box is displaying her overshoes. A black Rose in a lovely woman's hair will resemble a rosette of silk or velvet. As a gift, the black Rose, after its first novelty has worn away, will fit only funereal occasions. Even then its oddity, and the extravagance its presence implies, will serve to make it seem unsuitable. The advent of the black Rose will be an event, a triumph of botanical chemistry, a subject for learned discussion and some more or less tedious frivol. But, after that—what? Who really wants a black Rose?

S. S. Pennock-Meehan Co.'s (Philadelphia) New Auto Delivery Wagon

Rhododendron Maximum
Mountain Shrubbery
Kalmia Latifolia

Packed Right

Packed Tight

LOG MOSS in Large Sheets

$1.60 PER BAG

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Green Sheet Moss
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ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roplings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

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"Getsthere Soap Mfg. Co.
Conshohocken, Penna.
Please send us at once the enclosed order of your Getsthere Insecticide Soap. We find this a very satisfactory article for use on plants, and we recommend it highly.
ROBERT CRAIG & CO.,
Philadelphia, Pa.

GETSTHERE SOAP CO.
CONSHOHOCKEN, PA.

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10,000, $1.75; 50,000, $7.50
Manufactured by
W. J. COWEE, Berlin, N. Y.
Samples free. For sale by dealers
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Florists' Refrigerators
Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.
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TIME IS MONEY Save half the time greening your designs by using Florists' Greening Pins. 20c. per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c. per lb. Write for prices on larger quantities.
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EVERGREEN, ALA.
LOG MOSSES
Natural and perpetuated. Orders booked now for future delivery.
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Galvanized Wire Rose Stakes and Tying Wire
IGOE BROTHERS
Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes
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REVIEW OF THE MARKET

NEW YORK, February 16.—Since our last report, conditions in the flower market have not improved in any manner and the present slump is likely to continue for the next few days. Immense quantities of flowers have been received and the demand is so slight that the ice boxes of wholesalers are filled to overflowing; consequently, sales at ridiculously low prices are made. Just what is the cause is hard to determine, but the fact remains that the increased shipments of all varieties of flowers have accumulated to such an extent that it is a matter of getting just whatever prices are possible.

American Beauty Roses are about the only good thing that holds price; top grades realize 50c. Other grades are of poor quality and no set price can be quoted for them. Tea Roses of every description are very plentiful, and wholesalers to effect clearances have to yield to buyers' figures.

Carnations, although arrivals are, generally, of fine quality, have dropped in price, the legitimate demand for them being so small. Many sales have been recorded at prices as low as $1 per 100 for good grade flowers, while flowers two days old are disposed of in job lots for $5 per 1000, to clean up. Very few of the fancy grades realize $4, the majority being disposed of at $3.

Cattleyas also drag considerably, but for good flowers as high as 40c. is obtained. Much stock of the poorer grades is disposed of at ridiculous figures when consideration is given to the class of flowers. Gardenias are hard to move, sales at $5 per 100 being plentiful. The best bring as high as $1.60 per dozen.

At no time of the season have Lilies been so plentiful, and unless some unlooked for condition arises many will have to be thrown away, as thousands of them are being held over in the many ice boxes. Prices range from $6 to $8 per 100, and these are practically general.

Bulbous stock of every variety, especially Tulips, has done more to cheapen the price of other product than anything being received. Tulips can be had at all prices from 75c. per 100 up. Daffodils are especially plentiful and quotations are unprintable.

Violets are an awkward proposition with the wholesalers and the efforts to clean up those left over from St. Valentine's Day have been unsuccessful. Sales have been made at 30c. per 100, and at time of writing this report thousands still remain to be disposed of. First-class stock is held at 50c. per 100, but owing to the immense quantity of stock on hand it is a hard matter to maintain this price.

Sweet Peas are accumulating; best flowers realize $1.00 per 100, but so much stock is shipped in that a clean-up is impossible; the majority of shipments contain small weak stemmed flowers.

Asparagus plumosus is in good demand, and about the only thing in which there is any lively business done. More could be used if obtainable. The prices range from 40c. to 50c. a bunch for good stock.

PHILADELPHIA, February 14.—During the week previous to this date a large amount of stock of all kinds was shipped into this market, and as the demand was light a lowering of general averages resulted. The trade on St. Valentine's Day was not as large as was expected, although a lot of flowers especially Violets and Sweet Peas were used. American Beauty Roses have been somewhat short in supply, and more good flowers could have been used, at an average price of 60c. each. Many poor flowers of the cheaper grades of this class are to be seen, but they move very slowly. Tea Roses are moving well but the supply is far beyond the demand, except for the variety Mrs. Jardine, which maintains a splendid popularity with the high class stores, and realizes good figures. Last Saturday a general clean up of the Rose market was made possible by the fakirs handling the flowers in large quantities, at prices varying from $2 to $4 per 100, the good weather making street offerings possible. Medium grade Roses were in the best demand at prices ranging from $6 to $8 per 100.

Carnations have dropped in price, the average for good standard varieties being $2 per 100. Small sales realize greater values, and novelties, what few are seen, are held at $4 to $5, this referring to Pink Delight and the very best grades of standard varieties.

Cattleyas are more plentiful and sales are made at 40c. to 50c. each, with plenty on hand for all ordinary purposes. Cypripediums have shortened in supply, but the demand is not heavy enough to insure clearances if heavy shipments were received; prices remain at 8c. to 10c. each. Gardenias are plentiful, and good flowers realize $2 to $3 per doz. Considerable short stemmed stock is making its appearance, and is sold for any price obtainable, from 5c. each up.

Lilies are more than plentiful and wholesalers would be glad of a chance to clean out at most any figure; some sales of fair quality flowers are made at as low as $4 per 100. Lily of the Valley is in good demand, especially top grade, the price for which averages $3 to $4 per 100. Several shipments of inferior grade stock have had a tendency to create somewhat of a glut in this article. Violets have moved well, and locally grown stock has been sought by the retailers in larger quantity, due no doubt to the demand for St. Valentine's Day. Good grade Violets have realized 60c. per 100, both double and single, and prices have held well. Bulbous stock of all kinds has dragged, especially Tulips, many of which have been cleaned up at $1 to $2 per 100. Good grade flowers of the double varieties reach $4 in small lots, but most of the stock is short in stem, and of poor quality. Daffodils are more plentiful and the price has dropped to $2.50. Several varieties are now to be had, all of which meet with about the same degree of popularity. Sweet Peas, the better grades of which are quickly moved, realize prices varying from 35c. to $1.25 per 100, according to length of stem and quality. Greenery of all kinds, especially Asparagus plumosus, is in good demand, and more could be used if obtainable. Lilac is still scarce, and the price remains at $1 per bunch for top grade, other grades realizing 50c. up. Alyssum, Mignonette, Acacia and other miscellaneous stock is in fairly good demand, and move well, at prices according to grade.

BOSTON, February 15.—During the early part of the week, as Lent came in, business slacked off a bit, but as the crops of flowers in certain lines were not ever plentiful prices did not drop much.

Owing to the severe snowstorm on Saturday morning last, material was not cleaned up quite as well as it should have been.

St. Valentine's Day made a change in business for the better and sales were good.

Bulbous material is quite plentiful and prices are, naturally lower accordingly. Violets are quite plentiful but owing to the demand on St. Valentine's Day prices have held well.

There are some good Forget-me-nots and the demand was good this week. Antirrhinums are getting more plentiful and the quality is improved. Callas are considerably more plentiful. Lilies of the longiflorum types are not over plentiful, therefore prices are holding up

Sweet Peas are much more plentiful and the best, with long stems, bring from $1 to $1.50 per 100. Lily of the Valley is getting more plentiful; some of it is not quite up to standard quality. Roman Hyeinths are getting quite scarce and are being replaced by the Dutch varieties.

Roses are still on the scarce side; Pink Killarney and American Beauty with long stems are quite scarce.

Orchids are not quite as plentiful and prices are holding their own. R. C.

INDIANAPOLIS, February 14.—The popularity of St. Valentine's Day for flower sending has once more asserted itself. At the close of Monday's transactions it was evident that all the retailers had had a prosperous holiday trade. Expensive purchases were the exception, but the amount of small boxes was amazing. Unusually warm bright weather caused many plants to be thrown on the market. For these, there was not the anticipated call and many were left for another day. Cut flowers ranging from 50c. to $1.50 per dozen were seemingly looked for by the public.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager Consignments Solicited

39 West 28th Street, Telephone 6237 Madison Square NEW YORK

Please mention the Exchange when writing.

HENSHAW & FENRICH

WHOLESALE FLORISTS

Beauties, Valley, Violets, Cattleyas and other Novelties for **Washington's Birthday.** The following varieties of **SWEET PEAS** with 15 inch stems are received daily: Christmas Pink, Florence Denzer, Mrs. Chas. H. Totty, Snowbird, Watchung, Mrs. A. Wallace, Mrs. Wm. Sim, Gov. Fort.

SPECIAL FOR FEBRUARY 22nd

JAPANESE CHERRY BLOSSOM SPRAYS

Phones 325-5582-5583 Madison Sq.

51 West 28th Street, New York

Please mention the Exchange when writing.

Funeral work has been light of late and much inferior stock accumulates.

Carnations were most numerous at $2.50 to $4; many of them are splits, wholesaling for half that amount.

The flower shops present a gorgeous appearance with the wealth of color obtainable with pans and baskets of Dutch Hyacinths, Jonquils and other bulbous materials. Prices for plants and cut flowers change but little in this line.

The quality of Roses supplied shows a decided improvement over last week, but prices are, if anything, more moderate; $8 to $10 is obtained for high grade Killarney and Richmond. Bride and Bridesmaid are $2 cheaper, but the quality is on a par with the others.

Medium American Beauty are hard to obtain at $15 to $20; shorts at $5 and selects at $50 are more plentiful.

Forget-me-not, Freesia, Mignonette, Lilac and Pansies give variety to the florist's window displays. Single Violets are certainly numerous this year at 75c. a 100; they sell even better than the Hudson River brand at the same price.

Sweet Peas are noticeable for their fine quality at 75c. per 100.

Azalea Mollis has added her beautiful coloring to the conservatories, already well filled with a choice line of Cyclamens, bulbous plants, Primroses, Lilies and Rhododendrons. I. B.

CHICAGO, February 14.—Stock has increased greatly, and business has been quiet the past few days, but on Saturday and Monday things brightened up for the Lincoln Birthday demand, and St. Valentine's Day following on Monday stock commanded a little better price, receding, however, to the regular market quotations, the day after.

American Beauty Roses are beginning to show up in better condition and some quite good stock, both as to quality and color, is obtainable. Killarney is, however, just as scarce, and, excepting with a few growers, is off crop. Bride and Bridesmaid, Richmond, and all other varieties while scarce are not missed much, as the demand is very light. The prices, however, remain about as last week.

Carnations are coming in abundance, of good quality, fine coloring and long stems. The demand is not heavy enough to consume all that are shipped in. All bulbous stock is excellent. There are plenty of all sorts of Tulips, Jonquils, Narcissus and Hyacinths, both in cut flowers and in pots and pans. Lilies are coming in nicely, good firm flowers, and are meeting with a fair demand. Callas are in quantity enough to meet all demand. Lily of the Valley is not quite so much sought after, as there is a lull in wedding business. Violets are plentiful; the complaint is that not nearly as many were consumed for St. Valentine's Day as is usual. Mignonette is grand, with large heads, fine stems and good bloom.

The supply of Orchids is about equal to the demand. They are not quite so great in quantity as in the past few weeks. The prices are unchanged. Gardenias are coming in fine shape. Some Orange blossoms are being shown about the market. Greens are plentiful and move well. Smilax is in the same healthy state as in the past three weeks. Stocks, Freesias, Paperwhite Narcissus, some Forget-me-nots and Candytuft are also obtainable.

ST. LOUIS, February 14.—Weather conditions were with the trade last week, clear and cool and the market has everything in plenty; even Roses, which have been scarce for the past month came in more freely and all the commission houses had enough to fill orders with; a good crop is looked for from now on and prices not so high, from 3c. to 8c.

Carnations are in great abundance, in fact, they can be classed as a glut as many of them were left unsold last week; all stock was of the best quality. Prices from 1c. to 3c. California Violets are selling well today (St. Valentine's), and are coming in in great lots; all of last week they were a glut and sold as low as $1.50 per 1000. Today the demand is great and prices are up to $3 and $4 per 1000, but the supply is much greater than the demand and prices must come down before the day is over. Callas and Harrisii Lilies are more plentiful at $12.50 per 100; Roman Hyacinths and Paperwhite Narcissus at $2 to $3. Von Sion and Tulips, best grade, $4 per 100.

Sweet Peas, too, are in good demand at 50c. to $1.00 per 100; Smilax, Asparagus and other greens have good demands.

Among the retailers the report is that business has been very good since Lent began. Of course, society functions are now at a standstill and will be for the next six weeks when a busy season beginning with Easter Sunday is looked for. ST. PATRICK.

J. K. ALLEN

WHOLESALE COMMISSION FLORIST

106 W. 28th St., New York

I have room to handle more consignments to advantage, of **Roses, Carnations, Violets, Valley, Tulips** and other stock. Highest prices. Prompt returns. Give me a trial. Your correspondence appreciated.

Tel. 167 Madison Square. Open 6 o'clock every morning

Please mention the Exchange when writing.

C. BONNET G. H. BLAKE
BONNET & BLAKE
Wholesale Florists
130 Livingston St., BROOKLYN, N. Y.
Telephones: 1293-1294 Main
We solicit consignments of cut flowers, especially of good ordinary carnations; prompt returns and payments. Out-of-town orders carefully attended to. Give us a trial.

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Sixth Avenue and 26th Street
COOGAN BUILDING, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary

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Wholesale Florists
48 WEST 28th ST., NEW YORK
Telephone, 3570-3571 Madison Square

GREATER NEW YORK FLORIST ASSOCIATION, Inc.
Wholesale Commission Dealers in Cut Flowers and Supplies
162 LIVINGSTON STREET, BROOKLYN, N. Y.
GEORGE W. CRAWBUCK, Manager

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
110 West 28th Street
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Violets, Roses, Carnations, Orchids
Established 1888

WILLIAM H. KUEBLER
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CUT FLOWERS
28 Willoughby Street
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Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
55 West 28th Street, NEW YORK
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BROKER AGENT
ADJOINING New York Cut Flower Co's SALESROOM.
55 West 26th St., New York.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
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WHOLESALE FLORIST
55 & 57 West 26th St., New York
VIOLETS CARNATIONS AND ROSES
Shipping orders receive prompt attention.
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44 West 28th Street, New York and Cut Flower Exchange
TELEPHONES: 798 AND 799 MADISON SQUARE
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Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664--1665 MADISON SQUARE
ENOUGH SAID

PHILIP F. KESSLER Commission Dealer in Cut Flowers
Open from 5. a. m. to 6 p. m. Sunday till 10 a. m.
55 & 57 W. 26th St., New York City
FISCHER'S PURITY **FREESIAS** Grown by Mathews of Great Neck, L. I.
Tel. 5223 and 2921 Mad. Sq. Res., 345 J Newtown. FINEST LILIES IN THE MARKET EVERY DAY IN THE YEAR

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, February 16th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—		CARNATIONS—	
A. Beauty fancy—special	40.00 to 50.00	Inferior grades, all colors	.75 to 1.00
" extra	25.00 to 35.00	White	1.00 to 2.00
" No. 1	20.00 to 25.00	Standard Pinks	1.00 to 2.00
" No. 2	10.00 to 20.00	Varieties Red	1.00 to 2.00
" No. 3	8.00 to 10.00	Yel. & Var.	1.00 to 2.00
Killarney	2.00 to 8.00	*Fancy (* The highest grades of Sta'd varieties) White	2.00 to 3.00
White Killarney	2.00 to 8.00	Pinks	2.00 to 3.00
My Maryland	2.00 to 8.00	Red	2.00 to 3.00
Richmond	2.00 to 8.00	Yel. & Var.	2.00 to 3.00
Mrs. Abel Chatenay	2.00 to 8.00	Novelties	3.00 to 4.00
Golden Gate	2.00 to 8.00	Gardenias, per doz.	.50 to 2.00
Bride, Maid, fancy—spec.	6.00 to 8.00	Lilac, per bunch	.35 to .50
" extra	4.00 to 6.00	Lilies, Harrisii and Longi.	6.00 to 10.00
" No. 1	3.00 to 5.00	Lily of the Valley	1.00 to 3.00
" No. 2	1.00 to 3.00	Mignonette, per doz.	.40 to .75
Adiantum	1.00 to 1.50	Narcissus	1.00 to 2.00
Croweanum	.... to 1.50	Orchids, Cattleyas	25.00 to 40.00
Antirrhinum (per bunch)	.50 to 1.50	Cypripediums	8.00 to 12.00
Asparagus, cut strings	25.00 to 40.00	Dendrobium Formosum	25.00 to 40.00
Plumosus, bunches	15.00 to 30.00	Pansies, per doz. bunches.	.35 to .50
Sprengeri, bunches	15.00 to 30.00	Poinsettias per doz.	.... to ....
Bouvardia	2.00 to 3.00	Roman Hyacinths	1.00 to 2.00
Callas	6.00 to 10.00	Smilax (per doz. strings)	1.00 to 1.50
Daffodils	1.00 to 3.00	Stevia, per bunch	.15 to .25
Daisies	.75 to 1.00	Sweet Peas, per doz. bun.	.50 to 1.25
Ferns, per 1000	.75 to 2.00	Tulips	.75 to 2.50
	.... to	Violets, single	.30 to .50
	.... to	" double	.30 to .50
			.... to ....

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST. NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1998 Madison Square
JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

New York

Henshaw & Fenrich will have some sprays of Japanese Cherry blooms for sale on Feb. 22, Washington's Birthday. This firm has recently received from the secretary of the American Rose Society acknowledgment of their offer of $25, for the best vase of Killarney Roses, to be competed for at the coming convention March 16.

Walter F. Sheridan, has on exhibition a vase of Shasta Carnations, sent by Bauer & Smith of Indianapolis, Ind., which were intended for the exhibition table at the New York Florists' Club last Monday night, but, unfortunately, they arrived too late. But for several days after shipment the flowers showed their good keeping qualities, and were favorably commented on by the many members of the trade who saw them.

M. A. Bowe, Broadway and 34th st., has the order to furnish the decorations at Mendelssohn Hall, on Feb. 20, for the testimonial dinner to be given to Watson Gilder by the architects of America. The work of decorating will be in charge of Arthur Merritt, the well-known decorator, and will consist of Palms, flowering plants and cut flowers tastily arranged.

Business on St. Valentine's Day was not up to the expectations of many in the trade; many who had lots of flowers to offer still had them days afterward. Violets proved to be too abundant, and many hundreds were disposed of at a loss to clean out.

P. McKenney has made several small improvements in his store at 42d st. and Fifth ave., and says that while business is not over brisk he is getting a good share of the orders going.

It is understood that Mr. Neff of the Flower Shop, 126 W. 42d st. is about to give up the store.

The store windows of the prominent retailers have been replete with good things. Thorley's House of Flowers has shown Lilacs, Azaleas, Adiantum Farleyense, as well as vases of Killarney Roses. Thos. Young, Jr.'s store window was decorated with Rhododendrons, Azaleas, vases of Gardenias and Orchids. Alex McConnell displayed various shrubs in full bloom, including standard Prunus triloba, Forsythia, Lilac, Apple.

A. N. Pierson of Cromwell, Conn., passed through the city last week on his way to Florida, where he will spend the next few weeks.

Chas. H. Totty of Madison, N. J., has been very successful in raising from seed some plants of Amaryllis, some of which have four immense flowers on one stem. Seeds of the Pompon Chrysanthemums offered to the trade by this gentleman, which will bloom next Fall, are meeting a popular demand.

The Forster-Mansfield Mfg. Co. has been very busy the past few days, furnishing material for many large decorations. The Kervan Co. has recently booked many orders for wild Smilax, and other material useful in decorations of every kind, while the demand for dagger, and fancy Ferns, and Galax leaves keeps all hands busy.

Bowling at Flatbush

Last Thursday, Feb. 10, Messrs. Wm. H. Siebrecht, J. Miesem, J. Donaldson, P. Jacobson, A. Donaldson and P. Einsmann of the Astoria Florists' Bowling Club journeyed to Flatbush to bowl the growers of that locality a few friendly games. After being lost in the wilds of Flatbush for some time, the Astoria boys succeeded in reaching the Dailledouze place by locating the Kings Co. Insane Asylum, with which neighborhood some of the Astoria bowlers seemed to be suspiciously familiar. After inspecting the splendid stock of the Dailledouze establishment all hands adjourned to the bowling alleys, where they rolled five games, after which they sat down to an excellent repast, furnished by a local caterer. Louis Schmutz's after dinner speech was the feature of this session. After supper three more games were rolled, and while it was generally conceded that the Astoria bowlers were a little too strong for the local boys their grand hospitality made up the deficiency in that respect. The scores were as follows:

	Astoria	Flatbush
Game 1	898	839
Game 2	846	875
Game 3	886	770
Game 4	933	906
Game 5	882	750
Game 6	1268	1155
Game 7	1224	1012
Game 8	1180	1110

P. E.

Boston

There is considerable talk about planting the islands in Boston harbor. There is a bill now before the Legislature asking for $25,000 for replanting 37 islands. The bill was presented by the Metropolitan Improvement League with the co-operation of the Boston Society of Architects. Mr. Warren H. Manning, the well-known landscape architect, is very much interested and is working hard to get this bill passed. We would be delighted to see those barren islands covered with suitable vegetation and we have no doubt but that, with careful selection, trees and shrubbery can be found that will grow and flourish thereon.

We saw a good picture of Fred. Palmer, the Brookline florist, in last Friday's Boston Globe. He is a candiate for selectman in Brookline. Mr. Palmer has served a number of years as president of the Brookline Business Men's Association. Holding this prominent position, and coming in close touch with most of the business men, gives him a good chance to know their needs and requirements, therefore there is no better man on the list of candidates to fill one of the vacancies. Mr. Palmer is given strong support in the part of the town where he lives and his chances look well for election. We hope he will be a successful candidate; he would prove the right man in the right place.

Henry S. Grew, a prominent member of the Mass. Hort. Society, died Feb. 7. The funeral services were held at the Arlington st. church and the flowers and funeral pieces were most elaborate and beautiful. Some of the flowers came from the Back Bay Florist while others came from private establishments in the suburbs of Boston.

Edgar Bros., Waverley, are shipping some well-grown and nicely flowered Azaleas to market this week.

The nicely grown bulbous plants in pans at the Park St. market from E. Sutern.eister are finding a ready sale.

We saw this week at the Park St. market well-grown Genistas from the Edgar Co. of Waverley.

Carnation Pink Delight is in good demand and looks as if it would take the place of Fair Maid and Enchantress in another year. Nice stock of it is at the Park St. market from A. N. Pierson of Cromwell, Conn., and is handled by Edward J. Rogean.

William F. Aylward is handling at the Park st. market some good pinks from Backer & Co. of Bellerica. Their new Carnation, Red Prince, and a white unnamed seedling, are promising good things.

On Feb. 7, Thomas L. Deery, with Zinn on Park st., was married to Miss Dugan of Dorchester, Mass. Their many friends wish them long life and happiness.

At the greenhouses of Thomas Butterworth, Framingham, may be seen at this time some fine specimens of well-grown and well-flowered plants of Lælia anceps alba. His Dendrobiums, both Wardianums and nobile, are fine examples of good culture and are exceptionally well flowered.

Frank Mitchell from Waterville, Me., was in town on business for three days of this week.

H. S. De Forest, representative of the U-Bar Construction Co. was in town this week.

C. F. Trevor & Co. have started a business on Federal st., Reading, under the name of the Reading Floral Co. They are growing Sweet Peas and other flowers for market.

Henry M. Robinson has been in the West for a week or two and reports a successful business trip. He also visited some old friends and had a pleasant and enjoyable time.

When Edward Wood of Lexington was coming to market on Monday morning of last week, we are sorry to say he had the misfortune to have his nose frost bitten.

Thomas Peglar is handling, at the Park St. market, some excellent Sweet Peas sent there by A. Pembroke of North Beverley, Mass.

J. J. Gruelleman, Jr., of Holland, is visiting the different seedsmen in the city in the interest of his firm.

William H. Wyman, proprietor of the Bay State Nursery, Abbington, Mass. has returned from Europe, where he has been purchasing stock and novelties in trees, shrubs and herbaceous plants.

Visitors from Newport, R. I., this week were William McKay, Andrew Meikle and Andrew Deeward.

The best Forget-me-nots seen this year are this week at the Park st. market from William Nicholson of Framingham.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Feb. 10, 1910	Pittsburg Feb. 14, 1910	NAMES AND VARIETIES	Boston Feb. 15, 1910	Detroit Feb. 14, 1910	Cincinnati Feb. 14, 1910
to 25.00	40.00 to 50.00	Roses—A. Beauty, fancy—special	40.00 to 50.00	to	40.00 to 50.00
to 18.00	20.00 to 30.00	" extra	20.00 to 30.00	to	to
to 12.60	10.00 to 15.00	" No. 1	10.00 to 15.00	8.00 to 15.00	to
to	4.00 to 8.00	" No. 2	3.00 to 8.00	4.00 to 6.00	to
6.00 to 8.00	6.00 to 15.00	Killarney	8.00 to 12.00	to	6.00 to 12.00
6.00 to 8.00	6.00 to 15.00	White Killarney	8.00 to 12.00	to	6.00 to 12.00
to	6.00 to 10.00	My Maryland	6.00 to 10.00	6.00 to 15.00	8.00 to 12.00
4.00 to 6.00	6.00 to 15.00	Richmond	8.00 to 12.00	6.00 to 15.00	8.00 to 12.00
4.00 to 6.00	to	Perle	to	to	to
to	to	Golden Gate	to	4.00 to 8.00	to
4.00 to 6.00	to	K. A. Victoria	to	4.00 to 8.00	to
to 8.00	10.00 to 12.00	Bride, Maid, fancy—special	6.00 to 8.00	12.00 to 15.00	6.00 to 10.00
to 6.00	to 8.00	" extra	2.00 to 4.00	10.00 to 12.00	to
to 4.00	to 6.00	" No. 1	to	8.00 to 10.00	to
to 2.00	to 4.00	" No. 2	to	6.00 to 8.00	to
to 1.00	1.00 to 1.25	Adiantum	1.00 to 1.50	1.00 to 1.50	to
to	to	Antirrhinum, (per bunch)	to	to	to
to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	to 50.00	30.00 to 50.00	to
to 30.00	20.00 to 30.00	" Sprengeri, bunches	to 50.00	30.00 to 50.00	to
to	to	Bouvardia	to	to	to
to	10.00 to 12.00	Callas	to	to	10.00 to 12.00
to	to	Chrysanthemums	to	to	to
to	to 1.00	Carnations—Inferior grades, all colors	to	to	2.00 to 3.00
to 1.00	to 1.50	Standard Varieties: White	to	2.00 to 3.00	to
to 1.00	to 1.50	Pink	1.00 to 1.25	2.00 to 3.00	to
to 1.00	to 1.50	Red	1.00 to 1.25	2.00 to 3.00	to
to 1.00	to 1.50	Yellow and var.	to	to	to
2.00 to 3.00	to 3.00	*Fancy (*The highest grades of Std'd vars.): White	to	3.00 to 4.00	to
2.00 to 3.00	to 3.00	Pink	to	3.00 to 4.00	to
2.00 to 3.00	to 3.00	Red	to	3.00 to 4.00	to
2.00 to 3.00	to 3.00	Yellow and var.	to	to	to
to	2.00 to 4.00	Daffodils	2.00 to 4.00	to 4.00	to
to .50	1.00 to 3.00	Daisies	to	to	to
to .25	.15 to .20	Ferns, hardy	to	to .15	to .15
to 3.00	2.00 to 3.00	Freesia	to	4.00 to 6.00	to
to .20	to .12	Galax, green and bronze	to	to .12	to .10
to	to	Gardenias, per doz.	3.00 to 4.00	to	to
to 12.50	to 12.00	Lilac	to	to	to
to 3.00	2.00 to 4.00	Lilies, Harrisii and Longi	8.00 to 12.00	15.00 to 20.00	to
to	3.00 to 4.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00	to
to 3.00	2.00 to 3.00	Mignonette	2.00 to 4.00	10.00 to 15.00	to
to	60.00 to 75.00	Narcissus	2.00 to 3.00	3.00 to 4.00	to
to	to 15.00	Orchids—Cattleyas	to	to	to
to	to	Cypripediums	to	10.00 to 15.00	to
to 3.00	to 1.00	Dendrobium Formosum	40.00 to 50.00	to	to
to 3.00	1.00 to 3.00	Pansies, per doz. bunches	to	to	to
to 1.50	to 1.50	Roman Hyacinths	1.00 to 2.00	to	to
to	to	Smilax, (per doz. strings)	to	1.50 to 2.00	to
.75 to 1.00	.50 to 1.50	Stevia, per bunch	to	to 2.00	to
to 3.00	3.00 to 4.00	Sweet Peas, (per doz. bun.)	.25 to .75	1.00 to 1.50	.75 to 1.00
to .75	.50 to .75	Tulips	2.00 to 3.00	to 4.00	to
to .75	.50 to 1.00	Violets, single	.25 to .50	.75 to 1.00	.75 to 1.00
to	to	" double	to	.75 to 1.00	to
to	ty		to	to	to
to	to		to	to	to
			to	to	to

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. CINCINNATI, O.

All Cut Flowers in Season.

—SPECIALTIES—

American Beauties, Killarneys, Richmond, Maryland, Jardines, Brides. (Heller Bros. Stock.) Send me an order.

Greens of all kinds. Florist Supplies.

Wire Work.—This department manufactures the best work in the market. Send for Illustrated Catalogue.

Look over your stock and send me a trial order.

How about your "Hanging Baskets" for Spring?

Please mention the Exchange when writing.

We saw in Carbone's window a fine vase of large Amaryllis flowers.

Galvin's store on Tremont st. had some well-grown and nicely flowered plants of Chorizema cordata.

The custom of sending flowers to friends and others on St. Valentine's Day is becoming more general each year. What could be more appropriate than Forget-me-nots, Lily of the Valley and Orchids? The business in cut flowers was very good and growers are beginning to appreciate the fact that they must grow suitable flowers which will be acceptable as gifts for that occasion.

The New England Cemetery Ass'n held its annual meeting Feb. 14, at the Quincy House, Boston. The chief business at the meeting was the election of officers, as follows. President, Edward A. Mitchell of Medford, vice-president, William Cair, supt. of Malden Cemetery; secretary and treasurer, Horace A. Derry, supt. of Everett Cemetery. After the close of the meeting a banquet was served. There was a large attendance and an enjoyable meeting. R. C.

All interested will note that the date of the Mass. Hort. Society's Spring show has been changed; it will be held Friday, Saturday and Sunday, Feb. 25 to 27, and not Feb. 26 to 28 as previously announced.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

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Please mention the Exchange when writing.

The McCallum Company

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Headquarters of Western Pennsylvania Growers

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Manufacturers of WIRE DESIGNS

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Philadelphia

St. Valentine's Day was not so much of a business proposition as was expected, although considerable material was used.

The advent of warm weather was quite an incentive to the street men, many of whom took advantage of the overstocked market to secure considerable stock cheap.

The many friends of the Carnation Dorothy Gordon, will be pleased to know that the variety secured the prize in the best seedling class at the Carnation exhibition of the New York Florists' Club, Feb. 14. The many comments upon the variety were such as to lead all to believe that it will become very popular among Eastern growers.

The Robt. Craig Co. has recently installed a simple apparatus for the heating of the water used for spraying and watering plants wanted for Easter, as it has been found that the cold water was a serious check to plant life; from results since the using of the heating method it is evidently a success. The concern is making every day count, and all measures necessary to success are being used to bring such plants as Bougainvilleas, Rambler Roses in the various varieties, Lilies and Spiræas into satisfactory condition for the expected Easter trade. The new propagating house at Norwood will be completed this week.

D. T. Connor, of the Lord & Burnham Co. has received a contract to erect for S. Doembling of Lansdowne, Pa., two houses, each 21 by 200 ft., of semi-iron construction, for Rose growing. This will complete the second range of houses on this place.

Edw. Reid says that shipping orders have kept him very busy the past few days, and he hopes that it may continue so.

Elsewhere in these columns will be found a reproduction showing the new auto delivery truck of the S. S. Pennock-Meehan Co. which, as S. Pennock says, has proved very useful, and pays for itself all the time if kept going. This house is now handling a fine line of brass jardinières, of many sizes, as well as Fern dishes of the same material. These are quite distinct novelties, and should meet with popular approval among the Philadelphia retailers.

J. Otto Thilow of Dreer's, Chestnut st., recently delivered a stereopticon lecture before the pupils of the State Agricultural College. Upward of 125 slides were used to show the advantages of landscape work in all its branches. The subject was of immense interest to the students, who are endeavoring to get an education along those lines.

Chas. Baxter, the gentleman who has charge of the store window decorations for Pennock Bros., is evidently a past master in the art. The store window was recently decorated with many novel ideas for use as valentines.

The London Flower Shop is still handling quantities of pure Scotch Heather.

Albert M. Herr of Lancaster, Pa. is to read a paper on the "Carnation" at the next Florists' Club meeting.

Congratulations are in order to G. Glass, who recently received a pleasant valentine in the form of a live baby girl.

The Leo Niessen Co. is receiving shipments covering quantities of high-grade stock of all varieties of cut flowers. Shipping business has been on the increase and with the facilities possessed by this house this department should make still further growth.

John McIntyre has handled more Lilac than any other wholesaler the past season, and elsewhere in this paper will be found a photographic reproduction, showing two of Philadelphia's future wholesalers, and the class of Lilac and Callas handled by John at the present time. His stock of Violets and Daffodils is also, A1.

Visitors this week were A. N. Pierson, Cromwell, Conn.; M. C. Ebel, of the Aphine Manufacturing Co., Madison, N. J.; Robt. Shultz of the same place, and W. J. Stewart, Boston.

ACACIA
PUBESCENS
Cut Sprays, $2.50 per bunch

DAFFODILS
EXTRA FINE / GOLDEN SPUR } $4.00 per 100
DOUBLES .....$4.00 per 100

CARNATIONS
No larger or better supply coming to this market
You will find our $3.00 grade exceptionally good value

Double and Single
TULIPS
$3.00 and $4.00 per 100

DAISIES
WHITE.....$2.00 per 100
YELLOW..... 3.00 "

PUSSY WILLOW, 50c. per bunch, $5.00 per dozen bunches

THE LEO NIESSEN CO.,
Wholesale Florists
1209 Arch Street
PHILADELPHIA
Open from 7 A.M. to 8 P.M.

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WE ARE NOW BOOKING ORDERS FOR
BEGONIA LORRAINE
BEGONIA LORRAINE LONSDALE
BEGONIA AGATHA
JUNE DELIVERY

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be **twice shifted.** Orders filled in rotation. 2½-in. pots, $15.00 per 100, $140.00 per 1000.
Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Buffalo Feb. 14, 1910	NAMES AND VARIETIES	Phil'delphia Feb. 14, 1910	St. Louis Feb. 14, 1910	
30.00 to 40.00	Roses—A. Beauty, fancy—special	40.00 to 60.00	30.00 to 40.00	
..... to 25.00	" extra	30.00 to 40.00	15.00 to 25.00	
..... to 12.00	" No. 1	15.00 to 25.00	8.00 to 12.50	
6.00 to 8.00	" No. 2	8.00 to 15.00	4.00 to 6.00	
6.00 to 16.00	Killarney	4.00 to 12.00	5.00 to 10.00	
6.00 to 15.00	White Killarney	4.00 to 12.00	5.00 to 10.00	
8.00 to 15.00	My Maryland	4.00 to 12.00	5.00 to 10.00	
6.00 to 15.00	Richmond	4.00 to 12.00	5.00 to 10.00	
4.00 to 10.00	Perle	..... to	..... to	
..... to	Golden Gate	..... to	..... to	
4.00 to 8.00	K. A. Victoria	..... to	..... to	
12.00 to 15.00	Bride, Maid, fancy—special	8.00 to 10.00	6.00 to 8.00	
10.00 to 12.00	" extra	6.00 to 8.00	4.00 to 6.00	
8.00 to 10.00	" No. 1	4.00 to 6.00	..... to	
4.00 to 8.00	" No. 2	3.00 to 4.00	..... to	
..... to	Adiantum	1.00 to 1.50	1.00 to 1.50	
..... to	Antirrhinum (per bunch)	..... to	..... to	
..... to	Asparagus, Plumosus, bunches	35.00 to 50.00	..... to	
..... to	" Sprengeri, bunches	25.00 to 50.00	25.00 to 50.00	
..... to	Bouvardia	2.00 to 3.00	..... to	
12.00 to 16.00	Callas	8.00 to 15.00	8.00 to 10.00	
..... to	Chrysanthemums	..... to	..... to	
..... to	Carnations—Inferior grades, all colors	1.00 to 1.50	1.00 to 1.50	
2.00 to 2.50	Standard Varieties: White	1.50 to 2.50	1.00 to 1.50	
2.00 to 2.50	Standard Varieties: Pink	1.50 to 2.50	1.00 to 1.50	
2.00 to 2.50	Standard Varieties: Red	1.50 to 2.50	1.00 to 1.50	
2.00 to 2.50	Standard Varieties: Yellow and var	1.50 to 2.50	..... to	
2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	2.50 to 4.00	2.00 to 3.00	
2.50 to 3.00	*Fancy: Pink	2.50 to 4.00	2.00 to 3.00	
2.50 to 3.00	*Fancy: Red	2.50 to 4.00	2.00 to 3.00	
2.50 to 3.00	*Fancy: Yellow and var	2.50 to 4.00	..... to	
2.00 to 3.00	Daffodils	2.00 to 4.00	2.50 to 3.00	
.75 to 1.50	Daisies	1.00 to 2.50	..... to	
..... to .15	Ferns, hardy	..... to	..... to .20	
..... to	Freesia	1.50 to 3.00	..... to 2.00	
..... to .15	Galax, green and bronze	..... to	..... to .12	
6.00 to 9.00	Gardenias, per doz.	1.00 to 3.00	..... to	
..... to	Lilac	.75 to 1.00	..... to	
..... to 15.00	Lilies, Harrisii and Longi	8.00 to 12.50	..... to 10.00	
4.00 to 6.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00	
3.00 to 6.00	Mignonette	2.00 to 4.00	4.00 to 5.00	
2.50 to 3.50	Narcissus	1.00 to 2.00	2.00 to 2.50	
75.00 to 100.00	Orchids—Cattleyas	40.00 to 50.00	..... to	
15.00 to 20.00	Cypripediums	8.00 to 12.00	..... to	
..... to	Dendrobium Formosum	30.00 to 40.00	..... to	
..... to	Pansies, per doz. bunches	.75 to 1.00	..... to	
2.00 to 3.00	Roman Hyacinths	1.00 to 2.00	..... to 2.00	
..... to 15.00	Smilax, (per doz strings)	1.00 to 1.50	..... to 1.25	
.25 to .30	Stevia, per bunch	.15 to .25	..... to	
.50 to 1.00	Sweet Peas, (per doz. bun.)	.36 to 1.00	.40 to .75	
3.00 to 4.00	Tulips	1.50 to 4.00	..... to	
..... to	Violets, single	.35 to .60	.26 to .40	
.50 to 1.00	" double	.35 to .60	..... to	
..... to		..... to	..... to	
..... to		..... to	..... to	
..... to		..... to	..... to	

F. E.—The Best Advertising Medium.

OUR Growers of Maryland, Richmond and 2-Killarneys are in strong with splendid crops of the choicest qualities.

By the 100 we offer: Specials at $15.00; Fancy at $12.00; Extra at $10.00; Firsts at $8.00; Seconds at $5.00.

Special price in thousand lots.

GARDENIAS Per dozen, Special $4.00; Fancy $3.00; 1st $2.00.

VALLEY Per 100, Special $4.00; Extra $3.00; 1st $2.00.

PEAS Lavendar, White, Flesh and Pink. Extra long, $1.00 per 100. Medium and Long, 50c. and 75c. per 100.

RIBBONS Some of the choicest novelties; exclusive patterns; an endless variety to choose from. **SUPPLIES of all kinds.**

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S. S. PENNOCK-MEEHAN CO.
The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St., Philadelphia, Pa.
1212 New York Ave., Washington, D. C.
Stores close at 6 P. M.

Please mention the Exchange when writing.

For the past few years Frank Gall has been manager of the Century Flower Shop. His many friends will, no doubt, be glad to know that H. H. Battles has recognized his ability, by giving him charge of Thornhedge Nurseries, succeeding F. S. Jackson.

Godfrey Aschmann, the Araucaria king, says he will have his houses full of all kinds of plants for Easter, especially Lilies and Azaleas.

Aphine Test in Philadelphia

On the afternoon of Feb. 12, in the new store of the Henry F. Michell Co., 518 Market st., a public demonstration of Aphine was given by M. C. Ebel of the Aphine Manufacturing Co. and Robt. Shultz of Madison, N. J.

Many bug infested plants and shoots having on them green fly, Chrysanthemum cuttings, and Begonias infested with black fly, Gardenias having mealy bugs, Palms with scale, and one plant of Ficus pandurata badly infested with the Belgian long scale, were sent in by local gardeners and florists. A mixture of one part Aphine to 40 parts of water was made, and all the subjects sprayed. Within an hour the green and black fly, mealy bug, etc., had succumbed, to the evident satisfaction of many well-known men of the trade. The scale, which is conceded by all florists to be the hardest pest to get rid of, had begun to show definitely that the insecticide was doing effective work in loosening it up, so as to be easily syringed off with water from the hose. Mr. Ebel explained that for badly infested plants, such as on the demonstration table, twenty-four hours was necessary to give the mixture a thorough test. Better results could be obtained by dipping plants in the mixture, as then all the parts of the subject received some of the remedy, whereas by spraying the possibilities of passing over some of the bugs might result in only partial success. A sample of Aphine will be sent to any one interested who will send name and address to the com-

EDWARD REID
Wholesale Florist
Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias
All other seasonable flowers
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Headquarters in Western New York
For Roses, Carnations,
And all kinds of Seasonable Flowers

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Wholesale Commission Florists
Dealers in Florists' Supplies and Wire designs
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Give us a trial—We can please you

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Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Sand. Write for prices on large lots.

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FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

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HOERBER BROTHERS

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ROSES and CARNATIONS a specialty

Prompt attention to all orders.

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Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2788

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"The Busiest House in Chicago"

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WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

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Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

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ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

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All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Feb. 15, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	4.00 to 5.00
30-inch stems.. "	.... to 3.00
24-inch stems.. "	2.50 to 3.60
20-inch stems.. "	.... to 2.50
18-inch stems.. "	1.50 to 2.00
12-inch stems.. "	1.00 to 1.25
8-in. stems and shorts "	.75 to 1.00
Killarney	5.00 to 8.00
" extra	12.00 to 18.00
White Killarney	12.00 to 18.00
Richmond	7.00 to 15.00
My Maryland	5.00 to 12.00
Bride, Maid, fancy special	6.00 to 15.00
" extra	4.00 to 6.00
" No. 1	.... to 4.00
" No. 2	.... to 2.50
Perle	5.00 to 12.00
Chatenay	3.00 to 8.00
Kaiserin	.... to 8.00
Uncle John	.... to 10.00
Mrs. Marshall Field	.... to 8.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Calla Lily	12.00 to 15.00
Chrysanthemums doz.	.... to ....
" fancy doz.	.... to ....
Daisies	.... to ....
Daffodils	2.00 to 3.00
	.... to ....

CARNATIONS	
Standard Varieties: White	1.50 to 2.00
Standard Varieties: Pink	1.50 to 2.00
Standard Varieties: Red	2.00 to 4.00
Standard Varieties: Yel. and Var.	.... to ....
*Fancy (*The highest grades of Sta'd varieties): White	.... to 3.00
*Fancy: Pink	.... to 3.00
*Fancy: Red	.... to 3.00
*Fancy: Yel. and Var.	.... to ....
Ferns, hardy, per 1000	.... to 2.00
Freesia	.... to 3.00
Galax (green)	.... to 1.25
" (bronze)	.... to 1.25
Gardenias	24.00 to 40.00
Hyacinths, Roman	.... to 3.00
Lilac	.... to ....
Lilies, Harrisii and Longi.	12.00 to 15.00
Lily of the Valley	3.00 to 5.00
Mexican Ivy	.... to 1.00
Mignonette	4.00 to 6.00
Narcissus—Paper White	.... to 3.00
Orchids—Cattleyas	35.00 to 50.00
" Cypripediums	15.00 to 20.00
Pansies	.... to ....
Smilax	12.00 to 15.00
Stevia, bunch	.25 to .50
Sweet Peas	1.00 to 1.50
Tulips	2.00 to 4.00
Violets, single	.... to .75
" double	.75 to 1.00
	.... to ....
	.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

pany at Madison, N. J. This is the third successful public demonstration given, the others taking place recently in New York and Boston, since which time many unsought testimonials have been received, several of which have been published in the company's weekly advertisements in the trade papers. Regarding the killing of white fly, an insect so troublesome on Primulas and such plants, the mixture can be used with certainty; the liquid is free from any chemical which will discolor any flower. As a dip for scale infested Orchid plants it has been shown to be unequaled. The Henry F. Michell Co. are agents for the insecticide.

Chicago

The Orchid Show at Lincoln Park conservatories which has been open to the public the past week, is attracting the attention of Chicago flower lovers. Orchids valued at $20,000 are on exhibition. A feature this year is the exhibit of 200 varieties of white Orchids, besides an additional 700 species of the more common varieties. The show has been well attended, and is most beautifully arranged. Rudolph Schiele is in charge of the show.

Twenty-three small parks in various parts of the city are to be given names shortly. Some already have them, but the commission prefers new ones.

The University Lecture Association will give a course of six lectures, one each Monday at 8 p. m., on plants in their environments. Following is the series: Feb. 14, The Struggle for Existence; Feb. 21, Plant Societies; Feb. 28, Forest Successions; March 7, The Manufacture of Food; March 14, The Role of the Soil; March 21, Plants of Extreme Conditons. The lectures will be delivered by John M. Coulter Ph.D., at Fullerton ave. Presbyterian Church, corner Fullerton ave. and Hamilton Court. Tickets for the course of six lectures are $1.50, single admission, 35 cents.

Our florist alderman of the twenty-sixth ward was indorsed at a meeting held Feb. 7, by several hundred voters, they advocating his re-election at the coming election.

Randall's are already thinking of President Taft's visit to Chicago on St. Patrick's Day, and have on exhibition what is claimed to be the only real Irish Harp (Dalway's). It is 4½ ft. high and made of green Laurel leaves, with gilded strings. They expect every florist will have a big display of Irish harps for the occasion.

T. G. McNalley, formerly undertaker at 548 Wabash ave., has opened a fine large store at 477 Wabash ave. Mr. McNalley has a very large number of acquaintances who will help him considerably in his new enterprise.

On the completion of the bowling tournament held in Chicago in January last the highest man of all the participating teams was presented with a watch fob. Geo. Asmus and Allie Zech tied for highest score on the team representing the Chicago florists. They bowled for it at their regular meeting on Feb. 10, and Mr Asmus was the winner.

J. Mueller, representing the Julius Roehrs Co., Rutherford, N. J., spent a week in Chicago, visiting among the growers and florists. He also accompanied the Chicago people on Tuesday morning to Urbana, Ill., to attend the Illinois State Florists' convention. Mr. Mueller is very favorably impressed with Chicago, this being his first visit.

John Zech, while not entirely recovered from his recent bad cold, is on deck this week. Miss Keegan, bookkeeper for the firm of Zech & Mann has been home sick for the past week.

At Charles McKellar's are to be found some fine specimens of Cinerarias. Orange blossoms are also obtainable at this place, in fine sprays. Mr. McKellar says he expects to receive shipments of them for the next two months.

The store of J. B. Deamud Co. is headquarters for Pussy Willows, forced in greenhouses. These are meeting with a ready sale for decorative purposes.

Friedman's windows are attractively arranged with a display of suggestions in flowers and plants for St. Valentine's Day. O. J. Friedman returned on Tuesday from a short trip.

A. Lange was unusually busy on St. Valentine's Day, his specially arranged boxes of flowers for the occasion meeting with a very ready sale.

Mangel's window is most effectively arranged, and cannot help but be an attraction to all passers-by. One section is given over to elaborate St. Valentine's Day suggestions.

F. H. Henry, of Henry & Lee, New York, spent several days in Chicago this week.

Visitors: John Fuhlbrugge, Winona, Minn.; Geo. Bartholomew, Miami Floral Co., Dayton, O.; Edward Roehrs, Rutherford, N. J.; Geo. Kuhl, Pekin, Ill.; R. R. Davis, Morrison, Ill.; J. H. Newhall, Aurora, Ill.; Mrs. Rott, Joliet, Ill.

Bowling

The Chicago Florists' Bowling League met, as usual, on Thursday, Feb. 10. The Carnation team excelled themselves and are now leading. Following were the scores made:

ROSES

Fischer	131	167	162
Goerish	128	125	125
Pieser	118	104	158
Lormer	136	141	156
W. Wolf	146	134	160
Totals	659	671	771

ORCHIDS

Huebner	117	142	132
Groff	143	106	124
Vogel	108	151	125
Asmus	172	179	120
Zech	112	164	174
Totals	657	742	675

CARNATIONS

Zech	128	170	156
Farley	160	170	118
Krauss	125	139	117
Pasternich	150	192	185
Ayres	184	170	179
Totals	759	841	755

VIOLETS

Bergman	171	146	148
Johnson	169	172	133
Fucitt	93	112	129
Degman	133	136	122
Yarnall	132	183	161
Totals	698	749	693

Detroit

Even if the Lenten season has arrived it has not made any material change in the volume of business. The purpose of the larger purchasers may have changed, still a more liberal supply of, so-called, Spring flowers, and the arrival of good potted Hyacinths, Tulips and Azaleas, put great life into the counter trade.

The wholesale growers, generally, declare this season to be a good one. Potted plants as well as cut flowers are disposed of easily at good figures. An excessively long period of dark days kept flowers back, but whatever were offered were of good quality, and that trying period of an oversupply in January was avoided. The steadily increasing shipping trade of the local wholesale houses helps the growers very much indeed.

Advance reports regarding St. Valentine's Day show the usual increase in booked orders, with a great revival of Violet demand. FRANK DANZER.

Worcester, Mass.

The lecture at Horticultural Hall by Prof. Donald B. McMillan, of the Peary party, was postponed from Feb. 3 to Feb. 5, on which date the hall was taxed to its full capacity of more than 800. The lecture was a most interesting one, but as one touching the flora of the Arctic region it was a decided disappointment. Only one picture was shown on the canvas pertaining to this subject.

A. A. Hixon, the genial secretary of the Horticultural Society, is able to be at the hall during the day, but has not been there nights since last October. The clerical work is attended to by Miss Lucy Coulson.

The will of the late H. F. A. Lange has been admitted to probate. Mrs. Lange has come to an understanding with the two sons of Mr. Lange and as far as the public is concerned the matter is at rest. CAROLUS.

WINCHESTER, MASS.—The greenhouses of the late George Milne on Lincoln st. are to be conducted by his wife.

Plant Culture

By GEO. W. OLIVER.

Propagator to the Bureau of Plant Industry, U. S Department of Agriculture, Washington, D. C.

New, revised and enlarged edition, fully illustrated, handsomely printed on enameled paper and bound in Vellum de Luxe cloth, 12 mo., 300 pages. Sample pages on application. Purely an American book by an American author.

The Book of Books for the Grower. Compact, concise, practical, containing all the information bearing on present day practice. You need it for yourself, for your foreman, for your men.

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Positively, Plant Culture will not be sold to non-subscribers at less than $1.50 per copy.

THE FLORISTS' EXCHANGE, P.O. BOX 1697 NEW YORK

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order "saw your advt. in the EXCHANGE."

ASPARAGUS PLUMOSUS
From 3-in. pots, $5.00 per 100; from 2¼-in. pots, $3.00 per 100.

MAMMOTH VERBENAS, Rooted Cuttings; $1.00 per 100, $8.00 per 1000.

ASPARAGUS SPRENGERI
From 3-in. pots, $5.00 per 100.

DRACAENA INDIVISA
4-in., $15.00 per 100; 6-in., $20.00 per 100.

MISCELLANEOUS

ABUTILON Savitzi, 2¼-in. pots, $3.00 per 100.
AMPELOPSIS Veitchii. Pot grown, $3.00 per 100 and $6.00 per 100 (two sizes).
ACHYRANTHES. Best varieties, $1.00 per 100, $8.00 per 1000.
AGERATUM. Blue and white, $1.00 per 100, $8.00 per 1000.
CANNAS, Dormant Tubers, $2.00 and $3.00 per 100.
CARNATIONS: From pots and Rooted Cuttings; send for catalogue for varieties and prices.
CHRYSANTHEMUMS, 60 fine varieties, Rooted Cuttings, $1.50 and $2.00 per 100.
COLEUS, Bedding and fancy varieties, $1.00 per 100, $8.00 per 1000.
CUPHEA platycentra. $1.25 per 100.
BEGONIA Erfordi. Pink and white, $2.00 per 100; Crimson Bedder, $2.00 per 100.
FEVERFEW, The Gem. $1.50 per 100, $12.00 per 1000.
FORGET-ME-NOT, $1.50 per 100.
FUCHSIAS. Double and single, $2.00 per 100.
GERANIUMS. Double and single, $1.50 per 100; $14.00 per 1000.
GERANIUMS, Ivy-leaved, 2¼-in. pots, $3.00 per 100.
GERMAN IVY. $1.50 per 100.
HELIOTROPE. 8 best varieties, $1.25 per 100, $10.00 per 1000.
LANTANAS, 2¼-in. pots, $3.00 per 100.
LOBELIA. New double blue, $2.00 per 100.
MOONFLOWER (True). White, $2.00 per 100; $15.00 per 1000.
SALVIA. New varieties, $1.50 per 100; $12.00 per 1000. Splendens and Clara Bedman, $1.25 per 100; $10.00 per 1000.

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PETUNIAS, Dreer's Superb, double fringed; the best selected large-flowering doubles, finely fringed, mixed colors, $1.00 per 100, $9.00 per 1000.
FUCHSIAS, finest double, dwarf habit, $1.00 per 100, $8.00 per 1000.
HELIOTROPE, dark, good stock, 75c. per 100, $6.00 per 1000.
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AGERATUM Stella Gurney, 50c. per 100, $4.00 per 1000.

CASH WITH ORDER.

J. P. CANNATA, Mt. Freedom, N. J.

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Splendens Gigenteum Hybrids.

The strain which I offer is unsurpassable. A fine lot of plants in bud and bloom all colors from 4-in. pots, $15.00; from 5-in. pots, $20.00 per 100; (August Seedlings) twice transplanted from flats in 5 colors $3.00 per 100, $25.00 per 1000; from 2½-in. pots $5.00 per 100, $45.00 per 1000.

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6 CHRYSANTHEMUM NOVELTIES FOR 1910 6

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Large stock of indoor Grape Vines, 1 and 2 years old. Roses, Carnations, etc. Send for list.

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2-in. $3.00 per 100.
DRACAENA Indivisa, 4-in., $10.00 per 100.
PRIMULA Obconica, 2-in., $1.75 per 100.
VINCA, 3-in., $4.00 per 100.
ENGLISH IVY, R. C., $1.00 per 100.

FERNS

Scottii, 2½-in., 5c.; 3-in., 10c.; 4-in., 16c.; 6-in., 20c.; 6-in., 35c.
Boston, 2-in., 4c.; 3-in., 5c.; 4-in., 16c.; 5-in., 20c.
Piersoni, 4-in., 16c.; 5-in., 20c.

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$10.00 per 1000.

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ENGUEHARD, ADELLA
BONNAFFON, ADELLA
IVORY, OCTOBER SUNSHINE
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Our Blooming stock for Easter will consist of Azaleas, Lilies, Hydrangeas, White and Crimson Ramblers, Souperts, Hermosa, Cyclamen, Primroses, Cinerarias. Bulb Stock; We will have Paper Whites, Double Von Sion, Single Ajax Hyacinths in all colors.

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We have an extra large stock of Bostons, Whitmani, Amerpohli, Sprengeri, Plumosus, that we should like to write to you about. We are crowded for the room and can give you extra good bargains for cash.

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RICARD, ... per 1000, $14.00
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CASTELLANE, ... per 1000, 14.00
S. A. NUTT, ... per 1000, 10.00

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Strong, thrifty, 3½ inch, $4.50 per 100, $40.00 per 1000.

GERANIUMS Mme. Salleroi, large 3-inch, full of cuttings, $3.50 per 100, $30.00 per 1000; 2-inch, strong, $2.00 per 100, other standard varieties, heavy branched, 3-inch, $3.50 per 100, $30.00 per 1000.

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Large plants in 5-in. pots, $20.00 per 100.
GERANIUMS, S. A. Nutt, in 2½-in. pots, $2.00 per 100, $18.00 per 1000. Other varieties of Geraniums will be ready later on.

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R. F. D. No. 2.

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	1000	100
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VINCAS, Var. 2-in. pots		2.00
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Ricard, Nutt, Buchner, strong, cool grown plants, from 2-in. pots, $2.00 per 100, $20.00 per 1000.

Ricard from 2½-in., $2.50 per 100. Mixed $18.00 per 1000.

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Rooted Cuttings

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All sold until the latter part of March delivery.

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Rooted Cuttings of

Fuchsias, Salvias, Heliotrope (dark), Double White Feverfew, Double Giant Sweet Alyssum, Vinca Variegated, $1.00 per 100.

Ageratum Gurney, 60c. per 100.

Fuchsias, Vinca Var., 2-in. pots, $2.00 per 100. Cash with order.

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300 for $5.00

Ivy Geraniums, Rose and Mixed Geraniums, Asparagus Sprengeri, Cinerarias and Alyssum, out of 2½-in. pots, in sorts, $2.00 per 100; 300 for $5.00.

Pansies, Daisies and Forget-Me-Not; fine plants, $2.00 per 1000.

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S. A. NUTT, from 2¼-in., $2.00 per 100, $18.00 per 1000.
MME. SALLEROI, 2¼-in., $2.00 per 100, $18.00 per 1000.
PERKINS, from 2¼-in. $2.00 per 100.
ASPARAGUS Sprengeri, from 2¼-in., $2.00 per 100.

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C. A. PETERSON, Madison, N. J.

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Ready March 1st

Victor, Pelargonium, 3-in pots $4.00 per 100.
S. A. Nutt, Geranium, 2½ in. pots $2.00 per 100.

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COLEUS Ver. and G. Bedder, $8.00 per 1000. Fancy, brightest, $5.00 per 1000. Giant Leaved, most showy of all, 80c. per 100.

ASTER Wonder, large fluffy, earliest of all, White and Pink $1.00 per ½ oz. Ostrich Feather, 50c. per ½ oz. Late Branching, mostly white and pink, 40c. per oz. Alternanthera, from soil, fall struck, Yellow 60c. Red 80c. per 100. Cash.

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The pump is of brass throughout, simple and powerful.
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All parts are made to gauge, and may be had for repairs.
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Meriden, Conn.

Meriden, known as "Silver City," from its silver manufactories, has some 32,000 population and, on its main street, are two retail florist stores. Trade here is very brisk, especially so in design work and some excellent business is reported. Recent orders were trolley cars, fire trucks, mail box and fire alarm boxes, all of which are somewhat out of the ordinary.

Mrs. R. W. Barrow has a store at 40 W. Main st. and about 10,000 sq. ft. at 37 New st. The store has been here for past eight years and last Christmas was best in the 14 years she has been in the trade. Considerable funeral work is coming in and a large number of potted plants are sold for funerals; this is somewhat of a departure and is becoming very popular.

The Blatchley Co., 36 W. Main st., and Stones Corner, Milldale, have some 12,000 ft. of glass devoted to retail and wholesale trade. Mr. Blatchley came here from Southington, Conn., where he was a grower for the past 25 years. The store is nicely situated and trade is, and has been, excellent since last Fall.

Wm. Woodley, 28 Silver st., has some 5600 ft. in cut stock, Ferns and Palms, and decorative work in these is excellent. Mr. Woodley has been in the business for past 17 years and never saw a better holiday trade than the past Christmas.

Jos. A. Greenbacker of Old Colony road has an excellent location opposite the Cemetery and reports good funeral trade. He has about 10,000 sq. ft. devoted to Carnations and bedding stock and recently received a diploma for design making at a fair held in Berlin, Conn.

The Week's Work

BY FRITZ BAHR

Carnations

The Care of the Rooted Cuttings

If there is one thing of more importance than another when potting the rooted Carnation cuttings, I would say it is the soil; especially does this hold good with cuttings which have traveled a long way. To pot these and use a heavily manured soil is wrong. The beginner is only too apt, in order to do things right, to make this mistake. A rooted cutting after having been packed for several days needs the very best of care until properly established, and a sandy loam, or other light soil containing but little or no manure, is the proper thing. For such cuttings I like to use a smaller pot than 2 or 2½ inches, and prefer to give a shift as soon as the little plants are showing root growth, using for this a soil which contains manure. It may seem to some that this only means extra labor, and that they had good results without going to all this trouble; and yet, many cases of disease and weakly plants are traceable to improper care of the rooted cuttings, and there is the greatest difference between the ones which have been shipped and those rooted at home; but both need nursing until the little roots are getting into the soil, and shading is in order. A thorough soaking after potting will do for several days. For the first three or four days a light spraying in the morning, before the shade is applied, and another spraying in the afternoon after the shade is removed, will prevent the young stock from wilting. Keep the soil moderately moist, not soaking wet nor too dry for either is wrong.

Cut Flowers for the Summer Months

Timely Suggestions

There couldn't possibly be a more appropriate time than the present for many of us to make plans for the next eight months to come, in regard to the supply of cut flowers. There used to be a time, and that not so very long ago, when many out-of-town florists had little or no call for anything in the cut flower line during June, July and August. Many a small grower would dread that time, and look forward to the first frost to finish the Asters and Nasturtiums, but great changes have taken place. We need a proper supply of flowers every day of the year, and well grown stock brings a higher price than ever. It is a fact that the markets of the large cities are at most time during the Summer months overstocked with outdoor grown flowers; and not alone are these flowers supplied by florists, but by amateurs, as is the case in Chicago, where a few miles north of that city in one village of about 200 inhabitants 19 farmers, last season, grew and shipped Sweet Peas to the wholesale market of Chicago; yet extra good stock brought a fair price, and with all the quantities of Asters available, 3c., 4c. and even 5c. were paid for fancy flowers. Things haven't changed in that respect one particle. The man who can produce something that is just a little better than the average, will get the extra money. There is a bigger demand for this class of stock than ever before; there is no over production in that line. Great strides have been made of late years in bringing out and introducing hardy perennials especially suitable for cut flowers. Men have brought certain plants, which were almost forgotten, to the front, as well as improved others, and added new varieties. This also holds good with shrubs; the retail grower finds most useful material among them, and the writer, as well as many others, has found the growing of such most profitable; for that reason I

WE HAVE

Fern Pans all sizes up to and including 10 inches. Our stock of **St. Pots, Azalea Pots, Bulb Pans, etc.,** is complete. Special attention given to mail orders, which are shipped the the same day as received.

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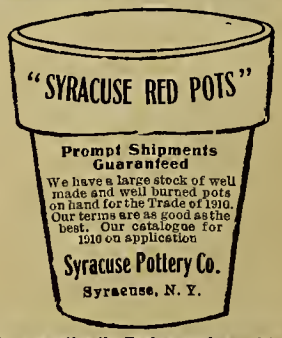

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Packed in small crates, easy to handle.

	Price per crate.		Price per crate.
1500 2 in. pots in crate,	$4.88	120 7 in. pots in crate,	$4.20
1500 2¼ " "	5.25	60 8 " "	5.00
1500 2½ " "	6.00	HAND MADE	
1000 3 " "	6.00		
800 3½ " "	5.50	48 9 in. pots in crate,	$5.60
500 4 " "	4.50	48 10 " "	4.80
456 4½ " "	5.24	24 11 " "	3.60
320 5 " "	4.51	24 12 " "	4.80
210 5½ " "	3.78	12 14 " "	4.80
144 6 " "	3.16	6 15 " "	4.50

Seed pans, same price as pots. Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.

August Rolker & Sons, Agts., 51 Barclay St., N.Y. City

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Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

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Commercial Violet Culture *Price $1.50*

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Holds Glass Firmly
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Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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busy and watch results.
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216 High Street, BOSTON, MASS.

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For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.
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14 & 16 Wooster Street, New York

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For Good Serviceable SECOND-HAND PIPE
Our prices are—1-in. pipe, $2.52; 1¼-in., $3.56; 1½-in., $4.05; 2-in., $5.55; 2½-in., $8 50; 3-in. $11.00 per 100 feet. We also sell Boiler Tubes.
ALBERT & DAVIDSON, Brooklyn, N. Y.
Tel. 2226 Williamsburg 68-70 Troutman St

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Every reader of the Florists' Exchange who is interested in farming or gardening, in the growing of fruit or of flowers, is invited to send for a free copy of our 80-page catalogue and full information in regard to the Home Study Courses in Agriculture, Horticulture, Landscape Gardening and Floriculture which we offer under Prof. Brooks of the Massachusetts Agricultural College and Prof. Craig of the Cornell University.
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JOHN G. ESLER, Saddle River, N. J.

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THE BEST WAY
to collect an account is to place it with the
National Florists' Board of Trade
56 Pine St., NEW YORK
WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Please mention the Exchange when writing.

VIOLET CULTURE
Price, $1.50 Postpaid
A. T. De La Mare Ptg. & Pub. Co., New York.

call the attention of those who have not as yet entered into this branch of the business to it, and suggest that they get busy—there is no resting nor sitting still, even during the Summer months; keep on hammering.

Shrubs

Those of Value for Cut Flowers

For those who have the room, the planting of hardy flowering shrubs is a paying proposition. While there is not a great variety of flowering ones, among the better known sorts, which are really ideal for cut flower purposes, yet there are some which are most desirable, and the best of it all is that these showy plants really improve in value for years if any attention is paid to them at all. Every florist should have on his grounds a good number of hardy Hydrangeas. I don't know of another shrub quite as useful as this one for the florist; but how many places are without them. Fine strong plants are offered by our nurseries, with 4 foot canes well branched, at from $10 to $12 per 100. You couldn't plant anything that will bring better returns. Now is the time to order a supply, to be shipped about the end of March. The sooner the plants are planted the better after that date. Don't make the mistake of letting the long canes remain on the plants—this would result in a number of small growths and small flowers. You want large flowers on a 3 to 4 foot stem. This necessitates pruning back to about 5 inches of the last years growth of the plants. Among the other hardy shrubs suitable for cut flowers I might mention the following; Deutzias, Forsythia, Lilac, Lonicera, Philadelphus, Prunus triloba, Spiræa Van Houttei, as well as quite a few of the other Spiræas, including Thunbergii, Lindleyana and Anthony Waterer; the Snowballs, and Weigelas. The retail grower has use for everyone of the above; they are all showy and useful, even if most of them bloom early in the season. Plant enough of them. The nurseries supply them at most reasonable prices, and most of them can be used for forcing, which means the potting up of the field grown plants in Fall and a house of about 55° from February on. Any not sold can be planted out again. For forcing, the Deutzia gracilis and Spiræa Van Houttei are especially fine.

Hardy Perennial Plants

Suitable for Cut Flowers

Among these the Peonies and Phloxes play, maybe, the most important parts as cut flowers with the florist. While the Peonies are of the greatest value to us, many of the newer sorts of the Phloxes form splendid material as cut flowers during the latter part of the Summer. They should certainly not be overlooked if a list is to be made up. A long list could be given of perennials suitable for cut flowers outside of the above two, all good; the average florist hasn't realized their value yet, but more of them will be grown right along, and the sooner we get to it the better. Create a demand for something besides Sweet Peas and Asters, something a little out of the ordinary. The public is ready for it; never before has it been more willing to pay for it. Looking over the long list of hardy plants the few following will all be found worthy a trial; they only form a small part of the list, but appeal to the beginner as especially valuable: Chrysanthemum maximum; Anemone Japonica Queen Charlotte; Achillea; Hardy Asters; Boltonia; Gypsophila; Hardy Sunflowers; Japanese and German Iris; Garden Pinks; Delphiniums; Gaillardias; Pyrethrum; Rudbeckia; Tritoma; Shasta Daisies and Yuccas. Every one of these is hardy, with the exception of the Tritomas, which ought to be lifted in Fall.

The Planting of Hardy Stock

The Retail Grower Should have a Show Border

As regards planting shrubs and perennials a few words may be helpful. I always claim that it should never be taken into consideration, where these plants are to be planted, whether the place is located to full public view or not. Make it effective. There are no iron bound rules to be obeyed, outside of to do the planting in a way which will give each sort a fair show; to allow proper cultivation and arrange for color effect and harmony, as well as give each class a proper place, so as not to have a low growing variety behind some tall sort. Whenever large amounts of each variety are grown, straight nursery rows are the proper thing, but the smaller retail grower, the one who has a chance to plant near his place of business, should at least set a part aside for an irregular border, in which the shrubs and tall growing varieties of perennials form a background, and the grouping is done in a way to give the best possible effect throughout the season. This will require a little planning ahead. Whenever space permits, borders of this kind can be carried out so as to hold many hundreds of plants, from which can be cut flowers every day from May until the end of October. A border of this kind should be found at every florist's place—you cannot have a better advertisement. By starting in on a small scale and adding each Fall or Spring, as well as making such changes as will help to increase the effectiveness of the border, the grower will be most agreeably surprised at the volume of business which he can do in not alone selling cut flowers but, what is even more profitable, in disposing of shrubs and perennials. Now is the time to make plans as to what is to be done in these lines for the coming season. It isn't a bit too early, but, as we all are getting busier with each coming day from now on, nothing is gained by putting it off—it is too important.

Columbus, O.

The long continued cold and cloudy weather has caused considerable complaint of scarcity of good stock in many lines. One exception, however, has been in Carnations, which have, at times, been offered by some local dealers at real popular prices, 50 cents per dozen and under.

The settlement of the Helleuthal estate, recently completed, showed affairs to be in good shape, the real and personal property amounting to something over $16,000. The business will be continued along the same lines by the family.

Mrs. F. Griswold of Worthington had two bad falls recently, each time dislocating, or severely straining one of her wrists. She is now reported as slowly improving.

Local florists were not a little exercised by a recent action of the Columbus Board of Education in placing a ban on floral offerings for the fair graduates of the Normal school.

The entertainment committee of the Florists' Club did the handsome thing last week by getting up a club social, to which the members and many of their friends, and especially the ladies, were invited. Music, dancing and light refreshments helped to make a pleasant time for all. C. D. B.

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is the only perfect
HOT WATER BOILER.
Made in 15 sizes, heating 6,000 to 50,000 sq. ft. glass to 60 degrees at 15 degrees below zero.
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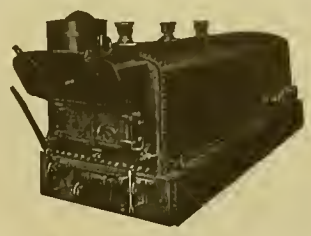

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CUT IS 1/4 ACTUAL SIZE
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No 4 GUTTER WEIGHS 14 LBS PER FT
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Opportunity before you to purchase before higher prices prevail. "Get busy."
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PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.
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BY USING
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ISAAC CASSIDY,
Summer Ave. and Erie R. R.
NEWARK, N. J.

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Baltimore

Club Meeting

The regular meeting of the Gardeners and Florists' Club was held on Monday night last, with President J. J. Perry in the chair. Being Carnation night a record-breaking crowd was on hand and a great time was had, business keeping the Club in session until a late hour. Many gardeners from the country were there, and all were well satisfied. Three new members were enrolled. Proposals for membership included the following names: Albert Beckman, Gardenville, Md.; J. J. Blair; R. Calvert.

A letter from the Chicago Carnation Co. was read by Secretary N. F. Flinton, also a letter from the Cottage Gardens, Queens, N. Y., advising the despatch of Carnations for exhibition, but up to a late hour the latter concern's were not received and a great disappointment was felt.

Hy. Eichholz of Waynesboro, Pa., made a cracker-jack speech that was interesting to all, and evoked hearty applause. At the first meeting in March election of officers will take place. The meeting will commence one hour earlier than usual, 7 o'clock. The regular meeting will be held, and upon adjournment the members will proceed to the banquet, to be held at Schneider's Cafe, where many speeches will be heard and a lively time will be had. The Carnation committee made its report. The Club awarded a certificate of merit to Washington and Princess Charming Carnations. R. Vincent, Jr. spoke on the Summer horticultural meeting to be held at Harrison's Nurseries and Ocean City, and the Washington florists will join the local florists and help to make it a success. The following were the exhibits:

James Hamilton, Mt. Washington, vases of Winsor, Enchantress, White Perfection and R. P. Enchantress Carnations vases of Bridesmaid, Golden Gate and Ivory Roses.

Henry Eichholz, Waynesboro, Pa., vases of new seedling Washington and Princess Charming Carnations.

R. Vincent, Jr. & Sons Co., White Marsh, Md., collections of Dahlia and Canna roots.

Chicago Carnation Co., Joliet, Ill., vases of Sangamo, Conquest and Mary Tolman Carnations.

Jessie P. King, Mt. Airy, Md., Sweet Peas.

L. H. A. Kline, Towson, Md., vase of Pink Delight Carnations.

Isaac H. Moss, Govanstown, Md., vase of miscellaneous Carnations with Asparagus.

P. Welsh, Glyndon, Md., vase of Carnation Alvina.

Ruxton Floral and Nursery Co., Ruxton, Md., vase of Winsor Carnations.

J. Rider, Brooklyn, Md., vases of Rose Pink Enchantress and White Perfection Carnations.

John Nuth, Gardenville, Md., vases of Lady Bountiful and Victory Carnations.

M. Thaw, Govanstown, Md., vases of Lord Baltimore and another seedling Carnation.

W. C. Erdman, Belair Road, Rose seedling from Jack Rose.

Henry Caines, Catonsville, Md., vase of Lawson×Enchantress seedling.

G. Morrison, Carroll, Md., vases of Winsor and White Perfection Carnation.

Lehr Brothers, Brooklyn, Md., vases of White Enchantress and R. P. Enchantress Carnations.

Henry Fischer, vases of Victory, Naomi, and Harlowarden Carnations.

We have had an extremely cold spell, and at present writing there is a change for the better, with much warmer weather and bright sunshine that we have long looked for. Trade conditions have been satisfactory, especially in funeral designs. St. Valentine's Day called for many cut flowers of all descriptions, and many box orders resulted.

Lincoln's Birthday was well observed, many banquets and parties being held, using many cut flowers and decorations.

Albert G. Fiedler & Co. have a tastefully arranged St. Valentine's Day window display that has attracted a large crowd; at times the pavement was crowded to the curb. At one end was a large heart with Cupid sitting backed up with Palms and Ferns and many vases of Enchantress Carnations. The ground plan was of solid greens and the sides and ceiling were draped with Southern Smilax. A large number of red hearts hung from the ceiling, with electric lights. Taken all together, the makeup was first class.

E. A. Seidewitz, N. Charles st., made quite a hit on St. Valentine's Day with his large window display, made up of many choice, seasonable cut flowers, in boxes arranged in a tasteful way. The background consisted of various kinds of decorative plants. Quite a large number of people viewed the display.

Samuel Feast & Sons also had a beautiful window of Spring blooming plants and cut flowers. Nearly all the retail florists did their best for the St. Valentine's Day occasion.

The Market

Stock of all kinds in the market seems to be enough to meet the demands. Roses are not so plentiful. Carnations are at present a glut, selling at extremely close prices, but none are going to waste. The street fakirs are doing a good business, and the market florists are feeling the effects. Lily of the Valley is coming in steadily, and beautiful Sweet Peas find ready sale. Callas are not so plentiful. Bulbous stock of all kinds is abundant, and moves well. Southern Smilax is still in demand. Greens of all kinds are coming in better since the open weather is here. Pot plants still find a demand and bring good prices.

J. L. T.

Parcel Post Easily Tried

No one has attempted to reply to the real arguments for parcel post. Here are 40,000 men and teams carrying loads over the rural mail routes which a good-sized dog could handle. All along these routes are men and women eager to make purchases or send packages by mail. With a fair postage rate they would fill those empty wagons and buy stamps enough to make the rural mail service pay and wipe out the postal deficit. There is the whole thing, and nothing could be simpler. Yet Congress will not even give us a change to demonstrate it. There is only one thing to do—get a new Congress.—*Rural New Yorker.*

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CENTRALIZE YOUR HEATING PLANT

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150,000 sq. ft. glass heated by steam from a central plant; the exhaust from pumps is passed through a condenser which heats 2-150 foot propagating houses with hot water.

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Los Angeles

The second annual itinerary of the agricultural and horticultural demonstration train of the Southern Pacific R. R. Co. left Los Angeles on Feb. 8, at 10.30 a.m. The first stop was made at Duarte, 17 miles out, the next at Monrovia, and closed the day's exhibitions at Arcadia. A stop of two hours is made at each place, that those who are interested in animal industries, veterinary science, poultry, cereals, fertilizers, plant diseases, entomology, horticulture, viticulture, irrigation, pure food, and home economics may have time to view the exhibits in these various lines of human endeavor in agriculture. The train of five coaches for the exhibits, a dining car and drawing room Pullman is provided, free of cost, by the company for the agricultural department of our State University, which supplies the exhibits and the demonstrators, or lecturers, which is the better word to express the idea and purpose of the journey. This trip is scheduled for eleven days time, and covers a distance of 575 miles; it is in charge of F. C. Lathrop, commercial agent of the company. The insect pests that prey upon vegetation are shown, and the insecticides, with the implements used to apply them, are exhibited. Every conceivable detail in connection with growing fruit, grain and vegetables is illustrated in a way that compels any intelligent agriculturist to see at a glance any improvement on methods in practice in his own line of work. The journey will take the train through the new county of Imperial, part of which is 264 feet below sea level, and contains 4000 square miles of territory, so young in growth that its possibilities from an agricultural point of view are as yet unknown. Last year 1500 bales of Cotton were successfully grown there, and that, too, without any evidence of the boll worm, the terror of the Cotton grower of the southern States. The object of our University authorities in making these journeys is to create and foster an interest in agriculture, and all that pertains thereto, among the inhabitants of this State, and the railroad company, at great expense, provides this school on wheels with the hope of reward in increased tonnage of freight and increased passenger traffic. Certainly, this is looking into the future a long way—"Casting bread upon the waters to be gathered many days hence."

The report of the horticultural commissioner of Fresno Co., the home of the Smyrna Fig and raisin industry of the State, for January is that 15,000 trees shipped into the county were destroyed, 500 of which were affected with "root knot." The total number of vines sent in was 700,000. For the benefit of eastern nurserymen, readers of these notes, I wish to say of Peach trees whose roots have even the sign of a borer, don't send them to this State on orders from our nurserymen—they are sure to be detected and destroyed. Take no chances on any tree, vine, or plant of any kind not *absolutely* free from insect pests, or any disease whatever if you wish to guard against loss of freight charges and of the stock as well. Our laws are so stringent that a nurseryman is obliged to notify the horticultural commissioner, or his deputy, of every invoice he receives, and before he gets possession of it *every* tree is inspected; the condemned ones go to the brush pile at once and to make the destruction as complete and expeditious as possible coal oil or distillate is poured on and a match applied. Sometimes these officials lack good common sense, and subject us to great and unnecessary annoyance in their zeal, and official authority, nevertheless, as a rule, the law works no hardship on any grower who cares to produce clean healthy stock. The Olive crop of San Diego Co. is heavy, and not seriously damaged by the frosts of the season. The growers are receiving good prices for it.

I had a new and unpleasant experience from tasting the milky sap of Euphorbia ceriformis. As is well known, the entire family is possessed of toxic principles of greater or less virulence, but the influence of the juice of this one was so rapid and debilitating that in twenty minutes I was reduced to a state of physical collapse which lasted for a half to three-quarters of an hour. I shall make some experiments on rats and gophers, to determine what the effect will be by administering a drop or two to the subject. Three years ago in this town a school teacher took her class out for a picnic one afternoon, some of the members of which ate Castor Beans, with fatal results. The Castor Bean grows to be a good-sized tree here if given an opportunity. These statements are made for the benefit of those lacking in the knowledge of this form of plant life.

My experiment with Figs has demonstrated beyond a shadow of doubt that they can be successfully grown in bush form in sections of the country where the tree will not endure the Winters; this, of course, should be understood for family use only. They will be no more trouble to care for than a mound of Potatoes, indeed not as much, for the reason that a slight freeze will not injure the Fig, but will damage the Potato. Try it, you who live in the southern States or even in Delaware and southern New Jersey. [The very first frost of the Fall killed my bush Figs; I am in New Jersey, 15 miles north of City Hall, N. Y.—Ed.] P. D. BARNHART.

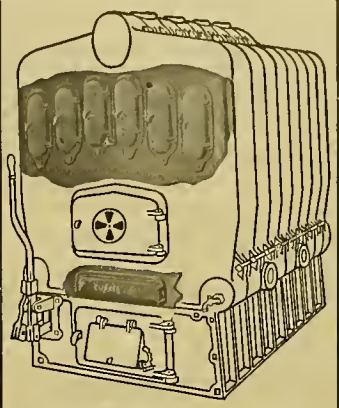
Milwaukee

With the beginning of Lent business is falling off some, and supply has increased considerably, which has caused quite a drop in prices, especially on colored stock. Carnations came in quite plentiful and prices have dropped down to $1 to $2 per 100. Roses, likewise, which have been scarce all Winter, are coming in now in quantities to meet all demands. Long American Beauty are about the only short item in the market. Violets are coming in in considerable quantity and there was a very heavy demand for them for St. Valentine's Day, as well as for other small flowers, like Lily of the Valley, Sweet Peas and Forget-me-nots. There is also a heavy cut of Lilies coming in daily, and other bulbous stock such as Tulips, Hyacinths and Daffodils, in just about sufficient quantity to meet present demands.

Some growers report that their Lilies are very late, and owing to the earliness of Easter this year there will probably not be a surplus of Lily plants on the market. However, if the weather remains fair and bright there will probably be enough to cover all orders.

C. C. POLLWORTH.

The Burnham



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Do not warp out of shape like big doors and affect the draft.

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There is Just One BEST Pumping Engine

for your greenhouse or outdoor irrigation system. The engine that will furnish you a reliable and steady power at all times is the

STANDARD PUMPING ENGINE.

This is the pumping engine, the cost of operating which stops when you stop watering. It furnishes water for your crops just when they need it. Send for circulars.

STANDARD PUMP & ENGINE CO.,
15 Michigan Street, CLEVELAND, OHIO

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Write to us about your

Materials and Plans
for any size and style of
GREENHOUSE
for new structure or repairs.

Hot-Bed Sash
in stock or any size required.

Pecky Cypress Benches
most lasting—least expensive.

THE FOLEY MFG. CO.
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HOW ABOUT THIS?
"The Best Houses we have and we erected them ourselves without any trouble."
The above is part of a letter from a Jersey customer.

KING IRON FRAME

EASIEST TO ERECT CASTS LESS SHADOW STANDS LIKE A ROCK

"ASK THE MAN WHO HAS ONE"

John Young Co., New York City, 54 by 561
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John N. May, Summit, N. J., Whole Range, 5-28-225.
E. W. Fengar, Irvington, N. J., 3 houses, 28 by 150
G. F. Neipp, Chatham, N. J., 42 by 300.
C. E. Meehan, Holland, Pa., 40 by 300.
Florex Gardens North Wales, 172 by 700.

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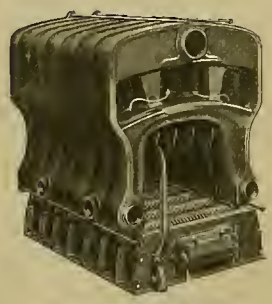
The Moninger-Furman Boiler



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DON'T BUY ANOTHER BOILER UNTIL YOU GET OUR CATALOG—LET US TELL YOU HOW TO

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CATALOG NO. 5 TELLS ALL ABOUT THE BOILER QUESTION—GET IT.

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After three years' experimenting and putting to actual test, we are prepared to book your orders for our Steel Forms by which means you can erect the neatest, most durable bench known to the grower to-day. Many perfectly pleased and satisfied customers on our books.
We invite correspondence.

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ROUND TILE

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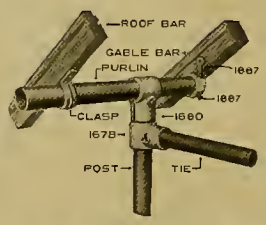
Interior of Danker the Florist's Pipe Frame House, at Albany, N. Y.

THAT PIPE FRAME HOUSE OF OURS



This shows the way the Clamp Column Fittings are used to make the Giant Arch, also how the Purlin Bracket is bolted through the gable rafter.

WE used to call it the Semi-Iron House, but improved as it is now, we saw that it was more than a Semi-Iron house and that the name belittled it. The new name also more nearly describes the kind of framing.

Next to our Sectional Iron Frame Construction, this Pipe Frame house is the best house for the money, on the market.

See what you get—Wrought Iron Posts at the sides, which are secured to our patented Ice-Clearing Eave Plate by a specially strong fitting. The plate is equipped with Sash Bar Clasps which grip the bars securely, and carry off the drip, protecting them from end rot.

The Pipe Purlins, tied together by our column fittings, make that famous Giant Arch which supports the roof, and stiffens the entire frame work lengthwise, endwise and crosswise.

Then there are minor details, like the wrought iron brackets which support and secure the roof bars to the ridge; the purlin end bracket which is bolted to the gable rafters and clamped to the purlins, securely tying the gables together; and so on, each thing doing its part to make our Pipe Frame House, the superior house it is.

If you want a light, rigid, enduring house that's worth dollar for dollar, every dollar you put into it—then here's the house for you.

Send for detailed information.

LORD & BURNHAM COMPANY

IRVINGTON, N. Y.

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Manufacturer of Floral Metal Designs

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

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Greenhouse Hardware and Post Patent V and U Gutters.

OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT.
Write for Catalogue and Estimate when figuring on your new houses.

A. DIETSCH CO., 2638 Sheffield Avenue, CHICAGO, ILL

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THE NOVELTIES AND SPECIALTIES OF 1910

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to gro... point

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 9 NEW YORK AND CHICAGO, FEBRUARY 26, 1910 One Dollar Per Year

Amherst MASS
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SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of the different varieties of

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which will be found one of the best-selling and most profitable plants that florists can handle. Our stock is in unusually fine shape, and we will guarantee it will please the most exacting, as it is exceptionally good value at the prices quoted.

Improved Elegantissima. The finest of all this type. It was introduced by us in 1905. This form of Elegantissima has been greatly improved, and shows no tendency to revert to the Boston, making it the most valuable fern of this type.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8-in., $12.00 to $18.00 per dozen—according to size.

Superbissima. Introduced by us in 1908. A very unique and distinct novelty. Its distinguishing characteristics are its dark green foliage and dense growth. Fronds are very heavily imbricated, making them very dense and compact.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8 in., $12.00 to $18.00 per dozen—according to size.

Bostoniensis, Piersoni, Whitmani, Scottii—Extra fine plants, 6-in. pots, $6.00 per dozen; 8-in. pans, $12.00 per dozen.

F. R. PIERSON CO. Tarrytown-on-Hudson New York

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A. N. PIERSON, Inc. Cromwell, Conn.

GRAFTED AND OWN ROOT ROSES

WHITE KILLARNEY (Waban Strain)

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.50 "	8.00 "	75.00 "

KILLARNEY

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

MY MARYLAND

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	6.00 "	50.00 "

RICHMOND, KAISERIN, BRIDES and 'MAIDS

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

NEW CARNATIONS

From 2¼-inch pots. Immediate Delivery.

Alma Ward, $3.00 per doz., $5.00 for 25, $10.00 for 50, $16.00 for 100.

Mrs. C. W. Ward, $2.00 per doz., $14.00 per 100.

CHRYSANTHEMUMS

For immediate delivery. **Mrs. W. E. Kelley, Gloria, President Taft, Patty, Merry Jane, Dolly Dimple.** From 2½-in pots, **$10.00** per 100, **$90.00** per 1000.

We have a large stock of **Pacific Supreme** and **Golden Glow** ready for shipment from 2½-in. pots, **$3.00** per 100, **$25.00** per 1000.

BEDDING PLANTS

Coleus, Salvia, Alternanthera, Heliotrope, Ageratum. Now ready.

Send for catalogue

Please mention the Exchange when writing.

Grafted & Own Root Rose Plants

I am now booking orders for Rose stock. Have exceptionally fine plants to offer this season, the scions having been taken from good, strong flowering wood and grafted on extra selected Manetti stocks. My own root stock is also in first class condition and includes the following varieties:

Killarney, Richmond, White Killarney (Waban strain), **My Maryland, Kaiserin, Bride and Bridesmaid.**

Send for prices.

W. H. ELLIOTT

BRIGHTON, MASS.

Please mention the Exchange when writing.

Double Petunias

SPECIAL THIS WEEK.—Double Petunias, Mixed Colors from selected stock, from 2-inch pots $2.00 per 100, $18.50 per 1000; 3-inch pots $3.00 per 100, $25.00 per 1000.

We have the following ready for shipment in good shape; we do not send out Rooted Cuttings.

	2-inch 100	2-inch 1000	3-inch 100
ALYSSUM, Dwarf and Giant Double	$2 00	$18 50	$3.00
COLEUS, Golden Bedder and Verschaffeltii	2.00	18.50	3.00
GERMAN or PARLOR IVY	2.00	18.50	3.00
FUCHSIAS, 6 Varieties	2.00	18 50	3.00
LANTANAS, 5 Varieties	2.00	18 50	
PETUNIAS, Dreer's Superb Single	2.00	18.50	3.00
LOBELIA, Kathleen Mallard	2.00	18.50	3 00
LEMON VERBENAS,	2.00	18.50	3 00
VERBENAS, Red, White, Pink and Purple	2.00	18.50	3.00
HARDY CHRYSANTHEMUMS,	2.00	18 50	3.00
GERANIUMS, Standard Varieties	2.00	18.50	3.00
Ivy-Leaved Varieties	2.00		
Apple Scented	2 00		3.00
Pansy, Mrs. Layal			5.00

DAHLIA AND CANNA ROOTS. We are booking orders for next season. Send for list for immediate and future shipment.

Cash With Order. Visitors Always Welcome.

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R. VINCENT, JR. & SONS CO., WHITE MARSH, MARYLAND

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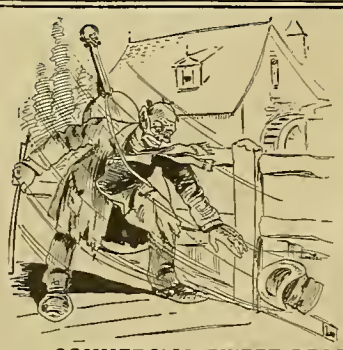

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Double, separate colors.100.. 4.00

GLOXINIAS. Heavy bulbs, separate colors .....100.. 3.50

TUBEROSES, 4 to 6, plump tubers .....1000.. 8.00

CALADIUMS, medium heavy... ..... 100.. 8.00

COMMERCIAL SWEET PEAS (Orchid-Flowered Varieties)

	¼ lb.	Lb.
Countess Spencer (true). A lovely clear pink	$0.25	$1.00
Gladys Unwin. Charming pale rose-pink	.20	.50
Nora Unwin. A magnificent white	.15	.50
Salopian. Splendid brilliant scarlet, best of all	.10	.25
STANDARD VARIETIES		
Blanche Ferry. Pink and white	.10	.25
Dorothy Eckford. The finest standard white	.10	.35
Earliest of All. Re-Selected. Same color as Blanche Ferry, but a week earlier than the extra early type, fine for forcing	.10	.30
Emily Henderson. Purest white	.10	.20
Katherine Tracy. Brilliant pink	.10	.25
King Edward VII. Rich, deep crimson scarlet	.20	.75
Lady Grisel Hamilton. Pale lavender	.10	.40
Lovely. Shell pink, extra fine	.10	.25
Mont Blanc. An early-flowering white, for forcing	.15	.40
Othello. Dark chocolate red	.10	.25
Prima Donna. Deep pink, fine	.10	.25

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42 Vesey St., NEW YORK

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K. van Bourgondiën & Sons
HILLEGOM—HOLLAND

Extra Dutch Bulbs Extra

We beg to inform the Trade, that our Messrs. K. H. and C. J. van Bourgondiën have again arrived for their annual trips through the United States and Canada.

It will be of the greatest advantage to every firm needing **A1 Bulbs** to correspond with us and give us a trial. Our many years of successful business in the United States, which every year has increased, clearly proves enough. Address until May 1, 1910

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Not Too Late

TO PLANT

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FOR FORCING

Booklet containing suggestions on *Forcing Gladioli* free on request

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Our own home-grown stock is true to name. Extra Selected, plump, sound, 2, 3, 4-eyed roots.

	Per 100		Per 100
Austria	$1.20	Louisiana	$1.60
Allemania	1.20	Mad. Crozy	2.00
Alba Rosea	1.20	Metallica	1.20
Alph. Bouvier	1.50	M. Washington	2.25
Alsace, white	1.50	Mont Blanc	4.50
Beaute Poitevine	1.75	Musaefolia, new	1.50
Buttercup, new	1.50	Mrs. K. Gray	1.50
Burbank	1.20	Niagara	2.50
Black Prince	1.80	Papa Nardy	2.00
Black Beauty	2.50	Pennsylvania	1.50
Brandywine	2.00	Premier, gold ed	1.75
Coronet	1.20	Pres. Meyers	2.00
Chas. Henderson	1.50	Queen Charlotte	2.25
Crimson Bedder	2.00	Richard Wallace	2.50
D. of Marlboro'	2.00	Rohusta, red	1.50
Duke of York	2.00	So. d'A. Crozy	2.25
Expl. Cramphel	1.50	Shenandoah	1.75
Egandale	1.50	Sec. Chabanne	2.00
Express, dwarf	2.00	Venus, new	3.00
Flor. Vaughan	1.80	Wm. Saunders, new	10.00
Gladiator, new	2.25	West Grove	1.80
Gladisflora new	10.00	Wm. Boffinger	1.50
Italia	1.75	Sep. colors mix.	1.00
King Humbert	4.50	All kinds mxd.	.70
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4 Bush. Beans, Golden Wax; Crop 1908.
2 Bush. Beans, Wardwell's Kidney Wax; Crop 1908.
4 Bush. Beans, Refugee, or 1000 to 1; Crop 1908.
2 Bush. Beans, Wardwell's Kidney Wax; Crop 1909.
6 Bush. Beans, Detroit Wax; Crop 1909.
2 Bush. Beans, Ex. Ey. Rd. Pod Red Valentine; Crop 1909.
2 Bush. Beans, Refugee, or 1000 to 1; Crop 1909.
2 Bush. Beans, Burpee's Bush Limas; Crop 1909.

A. V. D. SNYDER, Seedsman, RIDGEWOOD, N. J.

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NEW CROP

FLOWER SEED

ASPARAGUS Sprengerl. Per 1000 seeds, 75c.
PETUNIA, Large Flowering Double Fringed. Trade pkt. $1.00. Single Fringed. Trade pkt. 50c. Single California Giants, 50c.
SALVIA Zurich. Oz. $5.00. Triumph. Oz. $5.00.
MOONFLOWER. White seed, 35c.
FRESH TOBACCO STEMS. Bale of 300 lbs. $1.75, ton $9.00.

W. C. BECKERT
SEEDSMAN
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FOR FORCING

Lobelia Crystal Palace Compacta. Salvia Splendens and Bonfire. Centaurea Gymnocarpa. Begonia Vernon. Cobaea Scandens. Dracaena Indivisa. Mignonette, New York Market. Primula Chinensis. Schizanthus Wisetonensis.

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Mushroom Spawn, English and Pure Culture.

Special prices on application.

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Our illustrated catalog will tell you all about the BEST TESTED SEEDS for the PRIVATE or MARKET GARDENER. We make a specialty of supplying seeds for the most critical trade. Send for our catalog at once and send us your list for special quotations.

HOLMES SEED CO.
Harrisburg, Pa.

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FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $15.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

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A good assortment of Dahlias for Florists, at prices that will surprise you for undivided field clumps.

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Charles Clayton is my best introduction; for brilliancy, form and stem, this new Cactus leads them all. Other superb Novelties are: Mrs. W. K. Jewett, Mamtou, Princess Yetive, Corona, Olive Tracy. These with other fine varieties were awarded a Bronze Medal at the Alaskan-Yukon Exposition, last season. Select list of Standard Dahlias; and Field-Grown Hollyhocks, both Double and Allegheny. Catalogue on application.

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We are growers of the very best, have a large collection to select from. Send for prices.

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ATCO, N. J.

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LILIUM WALLACEI
Single and Double TIGERS
Named Varieties of Elegans
GERMAN IRIS
DELPHINIUM FORMOSUM

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WADING RIVER, LONG ISLAND, N.Y.

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PHILADELPHIA

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Catalogue free on application
Stamp letters 5 cents; foreign post cards 2 cents

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Wakefield and Succession, $1.00 per 1000, $8.50 per 10,000.
PARSLEY, 25c. per 100, $1.25 per 1000.
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MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS

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Extra Quality No. 1 Bulbs

$1.00 per 100 $7.00 per 1000
5000 Bulbs, $32.50

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Exceptionally Fine Roots, 2 to 7 Eyes

	Doz.	100
Double White	$1.50	$7.00
Double Pink	1.25	6.00
Double Red	1.25	6.00
Double Mixed	1.00	6.00

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	Doz.	100
Auratum, 8 to 9 inches	$0.90	$6.00
Speciosum Album, 8 to 9 inches	1.10	7.50
Speciosum Rubrum, 8 to 9 inches	.85	5.50
Speciosum Melpomene, 8 to 9 in.	1.00	7.00

FERN BALLS

	Each	Doz.	100
Small size, 5 to 6 inches in diameter	$0.25	1.75	12.00
Large size, 7 to 9 inches in diameter	.40	2.50	20.00

GLADIOLI

	Doz.	100	1000
Scarlet and Crimson	$0.20	$1.00	$9.00
White and Light, shades mix.	.25	1.75	15.00
Yellow and Orange	.40	3.00	28.00
Striped and Variegated	.30	2.00	19.00
Pink and Rose, shades mxd.	.25	1.50	12.00
New Giant (Childsii), mxd.	.30	2.00	18.00
Lemoine's Hybrids, mixed	.25	1.50	12.00
Groff's Hybrids, extra fine mixed	.25	1.50	14.00
Johnson's Prize Winner Mixture, No. 1	.25	1.25	10.00
Johnson's Prize Winner Mixture, No. 2	.20	1.00	8.00

Full Line Summer-Flowering Bulbs. Write for Prices.

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CALADIUM esculentum, Fancy Caladium from Brazil. GLADIOLI, all sorts. Japan IRIS. Japan LILIES. Double-flowering CHERRIES for Easter. Send for our new Spring list. Ready by January 10.

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Also Beauty of Nice strains.
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Watch for our Trade Mark stamped on every brick of Lambert's
Pure Culture Mushroom Spawn
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LOBELIA, Pumila Speciosa, dwarf, very dark blue, finest of all the Lobelias; pkt. 20c.

SALVIA, Wm. Pitzer, extra fine, dwarf, very fiery red. Trade pkt. 25c.

ALYSSUM COMPACTUM, most dwarf and compact variety grown, perfect balls when grown in pots, pkt. 20c.

PETUNIA STAR, improved, finest marked flowers, very fine, pkt. 20c.

PETUNIA, GIANT, single fringed large and fine, pkt. 20c.

PHLOX DRUM PUMILA, very dwarf, grand for pots, fine color, pkt. 20c.

CHINESE PRIMROSE, finest grown, single and double, mixed, 500 seeds, $1.00; ½ pkt. 50c.

PRIMULA KEWENSIS, the grand new sweet-scented yellow Primrose, pkt. 20c.

CINERARIA, large-flowering, dwarf, mixed, 1000 seeds, 50c.; ½ pkt. 25c.

GIANT PANSY, finest grown, critically selected, 6000 seeds, $1.00; ½ pkt. 50c.; oz. $2.50.

COLEUS, New Hybrids, fine colors, pkt. 20c.

VERBENA, Improved Mammoth, finest giants grown, mixed or separate of white, scarlet, pink, striped and auricula-eyed. Large trade pkt. 25c.

IRISH SHAMROCK
THE REAL THING! GREEN.
Very fine and strong; ready for immediate shipment; perfect beauties. Per 100, $3.00, 50c. per doz. postpaid.
C[illegible] Liberal extra count.
JOHN[illegible]PP, Shiremanstown, Pa.
RUPP[illegible]ON: The Home of Primroses
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LILY OF THE VALLEY PIPS
COLD STORAGE
Our usual high grade quality.
Price in Application.
J. M. THORBURN & CO., 33 Barclay St. New York
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In lithographed packets, with directions for cultivation on the reverse side of the packet.
Send for list of varieties and prices.
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Growers of
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Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY
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F. E.—The Best Advertising Medium.

WARD'S LILY BULBS

"NOT HOW CHEAP— BUT HOW GOOD"
RALPH M. WARD & CO.
12 West Broadway—New York

AMERICAN SEED TRADE ASSOCIATION

President J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec. Leonard H. Vaughan, Chicago.

IMPORTS, ETC.—February 15, 1910.—Shenker & Co., 2 bags Sunflower seeds; Davies, Turner & Co., 1 crate plants; Snyder & Wheeler; 62 sacks Mustard seeds; Hill Bros. & Co., 55 bags seeds; R. J. Goodwin Sons, 2 barrels seeds; Tice & Lynch, 67 packages seeds; Kennedy & Moon, 41 bags seed; J. M. Thorburn & Co., 9 barrels seeds; J. C. Pollack, 5 bags seeds; W. R. Huntington, 4 packages seed; T. Meadows & Co., 24 packages seeds; Norris & Son, 15 bags seeds; Perry, Ryer & Co., 14 packages seeds. Feb. 16.—J. M. Thorburn & Co., 30 barrels Grass seed; C. H. Nungesser, 91 bags Grass seed; Vandegrift & Co., 12 packages seeds, etc.; C. B. Richard & Co., 5 cases bulbs; H. F. Darrow, 48 cases live plants; J. M. Thorburn & Co., 19 bags seed; McHutchison & Co., 47 cases live plants; Kennedy & Moon, 8 cases plants; F. B. Vandegrift & Co., 2 cases plants; J. W. Hampton & Co., 5 cases bulbs. Feb. 17.—P. Henderson & Co., 67 packages garden seed; J. M. Thorburn & Co., 55 bags seed; A. T. Boddington, 6 cases bulbs; Maltus & Ware, 18 cases plants, 4 cases bulbs. Feb. 18.—Davies, Turner & Co., 7 packages seeds; Maltus & Ware, 1 bale seeds; P. Anderson & Co., 5 bags seed; J. Bolgiano & Son, 31 bags seed; J. L. Hopkins & Co., 10 bags seed; Maltus & Ware, 10 bags seed; Springfield Seed Co., 7 bags seed; Schulz & Ruckgaber, 14 bags seed; Tice & Lynch, 4 bags seed. Feb. 19-20.—Archibald & Lewis Co., 5 bags seed; American Express Co., 50 bags Clover seed; Lehn & Fink, 7 barrels seed; Stumpp & Walter Co., 1 barrel seeds; Schulz & Ruckgaber, 500 bags Clover seed.

CHICAGO.—The Red Clover and Timothy seed market was nervous; both staples were shaded in price last week.

European Notes

Where on earth does the rain comes from? That, Mr. Editor, is the question on everybody's lips at the present time, for the one really and completely dry day for which we have been longing since the year began is, apparently, not forthcoming. Everything in soil or stackyard is completely sodden and, already, growers who cannot work their land are backing out of contracts for which the stock seed must be sown very early in the year with any prospect of success.

Bloomsdale and prickly seeded Spinach come under this category and, as the growers are obdurate, the outlook is not encouraging.

It is reported that the Dutch dealers are also in a rather difficult position with regard to this article, partly because

of the success which has attended the culture of bulbs on land hitherto sacred to Spinach growing, but more by reason of the increased price which is offered by the sugar manufacturers for Sugar Beets: this latter is just now one of the most profitable crops the farmer can grow: it is also a permanent benefit to the land.

Over in England the same conditions are likely to arise, as it is reported that the company recently advertised, for the manufacture of sugar in Lincolnshire, has obtained sufficient support to make a start forthwith. This will to a great extent affect the Potato crops at first, but if the venture is a financial success many other factories will be started and the land now monopolized by Mustard and Turnip will be used for the more profitable crop.

The abatement of the floods in Paris has enabled us to obtain more accurate information respecting the losses sustained than was possible through the agency of the sensational press. While an immense amount of damage has been done it is pleasant to find the most important Paris firms are able to report (doubtless as the result of wise and energetic precautionary measures) that "the real damage sustained is only very trifling." In the meantime the Rivers Seine and Loire are rising again.

EUROPEAN SEEDS.

New York Seed Trade

The past week has been a very busy one with every seed house here. Washington's Birthday was taken advantage of by several firms to straighten out the mass of orders already received; a few of the seedsmen closed all day religiously, as usual. We are still having most disagreeable, foggy and rainy weather, but without any more snow. The seed selling season has opened with a rush, and night work is already general with all.

Weeber & Don are doing much more than usual in the grass seed line. Among recent orders received by this firm was one from the Chevy-Chase Golf Club of Washington, D. C., for several thousand pounds of golf course grasses.

The large and unprecedented call for seed catalogs is a sure omen of an early season, anyway in so far as seed selling is concerned.

W. Atlee Burpee of Philadelphia was among our recent visitors. Mr. Burpee is sure the opening season will turn out to be fully as satisfactory as all seedsmen expect, although the seed shortages in many directions must cause much disappointment among customers, and before very long. The early buyers this year are the wise ones.

At Vaughan's Seed Store a very attractive window display is in order this week. Spring bulbs being its chief feature. The store force is now working every night, so heavy have the orders already begun to come in.

McHutchison & Co. report a very large demand from the seed trade at the present time for Raffia.

Bridgeman's Seed Warehouse—Rickards Brothers—is handling large quantities of Thompson's Vine Manure.

The Stumpp & Walter Co. is this season making a specialty of supplying dealers with assortments of vegetable seeds for retailing. These seeds are put up in most attractive lithographed bags and are packed in a novel display arrangement in the shape of a Ferris wheel, which is strongly and handsomely made, making an ornament to the counter bound to draw special attention to the seeds. The seeds themselves are of identically the same quality this house furnishes to the market gardener trade.

W. Elliott & Sons are in receipt of their first consignment for auction, 15 cases of Roses, conifers, etc. The first auction will be held March 15.

SEED by the oz. or lb. **PANSIES** PLANTS 150,000

The Jennings Strain, fine field-grown plants, large-flowering, in great variety of fancy colors. Strong plants for cold frames, $3.00 per 1000, by express, 60c. per 100 by mail.

PANSY SEED, finest mixed, $6.00 per oz., $1.00 per pkt. of 4000 seeds. Sample of Pansy blooms by mail free.

SALVIA, Splendens and Bonfire. My Own Growing. Trade pkts. 26c. and 60c. each.

E. B. JENNINGS, Lock Box 254 Southport, Conn.
Grower of the Finest Pansies

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

RAWSON'S RENOWNED SPECIALTIES
FOR FLORISTS

DAHLIAS

To clear a large surplus, we give Florists the first opportunity to purchase some of our latest Dahlias at remarkably low prices. The following list is only an extract from Rawson's florists' catalogue.

Cactus Dahlias

	Per 10	100
Alfred Vasey, pink	$0.76	$6.00
Alpha, white, striped crimson	1.00	8.00
Ambassador, pure white	1.00	8.00
Amos Perry, scarlet	1.00	9.00
Antelope, yellow	.75	6.00
Aschenbroedel, pink	.90	7.00
Bluteuregen, scarlet	.76	6.00
Bornemann's Liebling, pink.	1.00	9.00
Brautjungfer, pink	1.00	9.00
Charm, pink	1.60	12.00
Citizen, maroon	1.20	10.00
Clara G. Stredwick, pink	.85	7.00
Comet, pink, striped red	.76	6.00
Country Girl, golden	1.20	10.00
Crayfish, scarlet	1.00	9.00
Crepuscule, orange yellow	1.00	9.00
Dainty, yellow and pink	1.00	9.00
Das Marchen, pink	1.60	12.00
Delicata, blush	1.00	9.00
Die Unschuld, cream	1.20	10.00
Edith Groom, white	.75	6.00
Else, salmon pink, suffused yellow	1.00	9.00
Epopee, crimson	1.00	9.00
Feronia, soft pink	1.20	10.00
F. H. Chapman, yellow and orange	1.00	9.00
Floradora, crimson	1.00	9.00
Gaillard, deep red	1.00	9.00
Gladiator, deep apricot	1.00	9.00
Goldfasan, apricot	1.00	10.00
Grenadier, orange pink	1.00	9.00
Harbor Light, vivid orange	.90	7.60
Heleneé, pink	1.00	9.00
Holsatia, orange scarlet	1.00	8.00
H. Shoesmith, crimson scarlet	1.00	9.00
H. W. Sillem, scarlet	1.00	9.00
Imperator, crimson	1.00	8.00
Ivanhoe, straw color	1.00	9.00
J. H. Jackson, maroon	1.00	9.00
Kriemhilda, pink and white	.60	4.00
Lauretta, yellow edged rose.	.76	6.00
Laverstock Beauty, vermilion	.90	7.60
Lovely Eynsford, amber	1.00	9.00
Miss Dorothy Oliver, white	1.00	9.00
Mrs. De Luca, yellow	1.00	9.00
Mrs. H. Shoesmith, pure white	1.20	10.00
Oliver Twist, scarlet	1.00	9.00
Orion, rosy mauve	.90	7.60
Persephone, white	1.00	9.00
Phineas, scarlet	1.00	9.00
Pink Pearl, pink	1.00	9.00
Pink Perfection, rose	1.00	9.00
Princess, deep pink	1.00	9.00
Rainbow, soft pink	1.00	9.00
Roland von Berlin, scarlet	1.00	9.00
Rosea Superba, pink	.90	7.60
Rosy Morn, peach color	1.00	9.00
Ruby, crimson	.75	6.00
Schone Rose, deep rose	1.00	9.00
Schwan, pure white	1.60	12.00
Standard Bearer, crimson	1.00	9.00
Stella, crimson	.75	6.00
T. G. Baker, yellow	2.00	16.00
Wm. Cuthbertson, bright rich crimson	1.00	9.00
Wunderkind, delicate pink	1.00	9.00
Zaunkoenig, scarlet	1.00	9.00
Zephyr, rosy pink	1.00	9.00

Not less than 10 of a kind will be sold at the above prices. Single specimens at retail prices less 25 per cent.

To enable florists to have a grand collection of these beautiful flowers we are willing to furnish a collection of one each of one hundred varieties at a net total of $12.00.

Decorative Dahlias

	Per 10	100
Alphonse Isore, scarlet	$1.50	$12.00
Beauty of Kent, red and white	1.00	9.00
Camellia, orange scarlet	.75	6.00
Catherine Duer, crimson	.90	7.60
Fireking, scarlet	.76	6.00
Gigantea, yellow	1.00	9.00
La France, pink	1.60	12.00
Mrs. Roosevelt, pink	1.20	10.00
Papa Charmet, maroon	1.20	10.00
Perle de la Tete d'Or, white.	1.00	9.00
Souvenir de Gustave Doazon, scarlet	1.00	9.00
W. W. Rawson, delicate lavender	6.00	
Yellow Colosse, yellow	6.00	

Not less than 10 of a kind will be sold at the above prices. Single specimens at retail prices less 25 per cent.

FLOWER SEEDS

SALVIA SPLENDENS

	¼ oz.	Oz.
Grandiflora. The best tall Salvia in the market.	$0.25	$1.60
Compacta	.40	2.50
Bonfire. Hardly any foliage, but masses of flowers.	.40	2.50
Lord Fauntleroy, very dwarf.	.75	4.00
Maroon Prince, deep maroon	.75	6.00
Fire Ball, most intensely colored	.75	6.00
Silver Spot, leaves spotted, very attractive	.25	1.60

Zurich. The best salvia yet introduced. Plants grow very compact, show little foliage and bear heavy flower spikes, which are thickly laden with bright scarlet flowers. Flowers early in July and remains in bloom with later varieties. ¼ oz. 75c., oz. $5.00.

Patens. (Blue Salvia). 1-16 oz. $1.00.

Salvia Splendens. King of Carpets. The best dwarf bedding Salvia on the market today, outrivaling even "Zurich." The plants branch from the bottom and to such extent that the main stem is never visible. All side branches droop completely to the ground, making the whole plant a perfect half ball of fire. The plant grows but 15 inches high and flowers even earlier than "Zurich." ⅛ oz. $1.00, oz. $6.00.

The veteran Salvia grower, Mr. F. Bedman, says: "About the Salvia, 'King of Carpets.' It has done very well considering the dry weather that we have had, and I consider it one of the grandest dwarf salvias that I ever saw."

AGERATUM

Extensively raised as a pot plant and used for edging.

	¼ oz.	Oz.
Laeseauxi	20c.	$0.60
Mexicanum		.16
Album. Large flowering white		.25
Blue Perfection		.30
Dwarf Imperial White		.25
Dwarf Imperial Blue		.25
Dwarf Swanley Blue		.30
Dwarf Little Dorritt		.25

Dwarf Little Blue Star, 1-16 oz. 75c.

ANTIRRHINUM

A most valuable plant for the cut flower market, easily grown and very profitable; we have been careful to select but such colors as are ready sellers.

RAWSON'S TALL GIANT. This strain grows three to four feet high and is covered about two-thirds with gigantic flowers of grace and beauty. ¼ oz.

	Oz.
Finest Mixed	$0.40
White	$0.25 .75
Scarlet	.20 .60
Yellow	.20 .60
Dark Rose	.20 .60
Delicate Pink	.20 .60
Coral Red	.25 .75

ASTERS

Rawson's New Midsummer Aster

The colors are true and hardly any open-centered flowers among them.

	¼ oz.	Oz.
Pure White	$0.50	$2.00
Delicate Shell Pink	.50	2.00
Royal Purple	.50	2.00
True Lavender	.50	2.00
Bright Rose	.50	2.00
Finest Mixed	.50	1.50

Aster, Rawson's Late Branching. Flowers are very large in size and borne on long, stiff stems. It is one of the best and most popular varieties for late flower markets.

	¼ oz.	Oz.
Finest Mixed	$0.25	$0.75
Crimson	.30	1.00
Dark Blue	.30	1.00
Light Blue	.30	1.00
Rose Pink	.30	1.00
Shell Pink	.30	1.00
Scarlet	.30	1.00
White	.30	1.00

Dawn of Day. (Novelty, 1908). The earliest flowering Aster in existence. Fine white, perfect in form and growth, long branching stems and flowers; often three weeks ahead of Queen of the Market. It is of branching habit and very full and if freely cut will continue to bear blooms until late in Fall. ¼ oz. 50c., oz. $3.00.

Rawson's Daybreak. This variety must not be compared with the strain offered elsewhere and a trial will convince the ever-so-critical of its superiority. ⅛ oz. 40c., oz. $2.50.

Rawson's Purity. (Pure white.) Of the same type as Daybreak, differing only in color, which is a pure glistening white. Just as free-flowering and symmetrical as Daybreak and undoubtedly unsurpassed as a white bedding variety. ⅛ oz. 50c., oz. $3.00

Rawson's Queen of the Market Aster. The best early Aster for the Florist, quality being very much improved.

Finest Mixed, ¼ oz. 16c., oz. 50c.

Crimson, Dark Blue, Light Blue, Rose, Peach Blossom, White. ¼ oz. 20c., oz. 60c.

W. W. RAWSON & CO., Boston, Mass.

Please mention the Exchange when writing.

J. BOLGIANO & SON

WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS

BALTIMORE, MD.

Please mention the Exchange when writing.

FAMOUS ASTER
LADY ROOSEVELT

Gorgeous Pink, 20 to 40 inch stems, scientifically grown and separated seed. Oz. $5.00, ½ oz. $3.00, trial pkt. 50c.

Aster Seed in mixture, best colors, and ¼ Roosevelt. Oz. $1.00.

GLEN MAWR SEED FARMS, Kinzers, Pa.

Please mention the Exchange when writing.

SEEDS Best that grow. We sell direct to gardeners and florists at wholesale. Big beautiful catalogue free. Write today.

ARCHIAS' SEED STORE. Box 51, SEDALIA, MO.

Please mention the Exchange when writing.

American Notes

The Rush Has Started

The real rush of seed selling for the season of 1910 has started in earnest; it always does about Washington's Birthday, but this year it has certainly shown an opening momentum not experienced in a long time. Many of the larger firms have already been working evenings, and from now on there will be no let-up until practically the last of May. It is going to be, as all along expected, one of the best seasons the seed trade has experienced in a very long time. Of course, the extreme shortages of so many items in standard seeds will be very annoying as the season advances; in fact, already several seedsmen are cutting down the quantities ordered by their customers in the scarce things to half and even one-quarter part of the amounts requested. It is surely very early in the season to begin returning money, but just as surely only justice to treat all regular customers alike, and fill each order in the same relative proportion. From practically every section of the country come the reports that never before has there been such an early and large call for seed catalogs; this is one of the sure signs of a great season, as every extra order that can be filled before the middle of March is a great help; after that time one year varies little from another. From March 15 until the end of the season seeds disposed of are only limited by the capacity to fill orders.

Advertised "Surplus Stocks"

The following communication from one of the most reliable and respected former members of the seed trade is so much "to the point" just at this time, that it is here given as received:

"In this year of acknowledged short crop of seeds the world over, how are we to account for the number of lists headed "Surplus Stocks" being scattered among the dealers in seeds at present. It seems to me the word 'surplus,' as so used, is a very unfair word, from one dealer in seeds to another. According to Webster, a surplus means 'that which remains when use is satisfied—excess beyond what is prescribed or wanted—overplus.' Now does this 'surplus' exist this season? If it does exist, what is it? By what channels does it reach the trade now? Will such 'surplus lists' cause one pound of seeds more to be added to the season's sales? Such lists bring a depreciation of values in the goods for sale in legitimate trade. It is unkind to the trade, uncalled for, cloudy, both as to the stocks and the parties who so offer them. If these 'surplus merchants' would carefully read St. Paul's Epistle to the Ephesians I think they would not act as they do."

How true and to the point these remarks are. Only this very week, one of the prominent Eastern seedsmen returned over $100 to a customer who had ordered more Cabbage seed of a certain variety than it was fair to send him, when the needs and rights to be supplied of this firm's other buyers were considered. The firm who returned this money could have bought plenty of the Cabbage seed in question from one of the many "Surplus Lists" with which the country is always flooded, in a year of seed shortages es-

Burpee's "Gold Medal" Exhibit in the R. H. S. Hall, London, July 23, 1909

The only Gold Medal of the National Sweet Pea Society *ever won* by any growers outside of Great Britain was awarded to the American Firm of Burpee, at the great exhibition in London, July 23, '09

An immense amount of interest was taken in the very fine display made by Messrs. W. Atlee Burpee & Co., Philadelphia, America. The name suffices as a guarantee of excellence, and we can truly add that the excellence of the flowers staged was such as to uphold the fame of the American Sweet Pea specialists.—*From* THE GARDENERS' MAGAZINE, *London, England, July 31, 1909.*

Sweet Peas Up-to-Date

With the increasing popularity of Sweet Peas has come a demand for complete "Up-to-Date" cultural directions and lists of varieties.

In 1897 we published, under the same title, a book on Sweet Peas which had a tremendous sale. Realizing that with the advent of the "Spencer," "Unwin" and Early-flowering types discriminating planters should have the benefit of "Up-to-Date" methods and lists, we began more than two years ago to gather information that would prove of the greatest value and at FORDHOOK FARMS judged varieties, if possible, more closely than ever.

SWEET PEAS UP-TO-DATE is a book of 80 pages, which will prove of real value to the novice, amateur and professional grower.

Among the subjects clearly handled under separate titles or chapters are: Soil and Preparation, Sowing and Planting, Sowing Out of Doors, Staking and Trellising, Cultivation, Manuring and Watering, Winter-Blooming Sweet Peas, Insect Pests and Blight, The Spencer Type of Sweet Peas, List of "Spencer" Sweet Peas, Unwin Type of Sweet Peas, General List of Sweet Peas, Varieties for Truckers and Market Gardeners, Exhibiting Sweet Peas, Sweet Peas for Table and other Decorations, Trellises.

Sweet Peas Up-to-Date is published at the nominal price of **10 cts.** (or 3 copies for 25 cts.), so as to bring it within reach of all.

NEW "SPENCER" SWEET PEA.—Miriam Beaver. From a photograph, see Colored Plate and description in **Retail Catalog.**

Burpee's "Re-Selected" Gigantic "Orchid-Flowered" SWEET PEAS of the True "Spencer" Type

Because of *such enormous size*, of waved or *fluted appearance* and charming blendings of harmonious colors, this NEW TYPE can only be appropriately described as *Truly Gigantic "Orchid-flowered."* The flowers are not only of *extremely large size*, but are distinct in having the outer edges of the standard and wings beautifully *crumpled* or *waved;* the tissue being so full that there is not room for it to lie flatly expanded or smoothly rolled. The standard is broad and tall; the wings are broad, well spread and held erect by the keel.

We were the first to grow the original *Countess Spencer* (prior to its introduction) in America. By reason of its "sportive character" it has required years of labor to perfect *the original "Countess,"*—but this same tendency "to break" has resulted in giving us a number of colors which already come reasonably true from seed and which will delight every lover of Sweet Peas who can afford to buy them.

Caution

While most profuse in flowering, they are very shy seeders and *the true "Spencer" type* can never be produced cheaply. You can buy *so-called* Spencer Sweet Peas at *one-half to one-fourth our prices*, but such "cheap seed" can *not* be intelligently and carefully grown from the purest Re-selected Stocks such as ours and will result only in disappointment. See quotation below:

It is well known that the "Spencer" varieties of Sweet Peas do not seed nearly as freely as those of the old type. It would not be an exaggeration to say that some of the choicest "Spencers" do not yield a tenth of what the old varieties did, and this in a favorable season.—From the Gardeners' Chronicle, London, England, September 11, 1909.

		Pkt.	Oz.	¼ lb.
3133	**Asta Ohn Spencer.** A charming soft lavender	$0.10	$1.35	
3134	**Apple Blossom Spencer.** Of same coloring as the popular *Apple Blossom*	.10	.85	
3135	**Aurora Spencer.** An exact counterpart of *Burpee's Aurora Sweet Pea.* Half-size packet (fifteen seeds) 15 cts.	.25		
3138	**Beatrice Spencer.** White ground, tinted with pink and buff	.15	1.10	
3139	**Countess Spencer.** A soft rose-pink. (Per lb. $2.50)	.10	.25	$0.75
3140	**Captain of the Blues Spencer.** Rosy claret standard, wings light blue	.10		
3144	**Flora Norton Spencer.** A beautiful shade of lavender	.10	1.75	
3145	**Florence Morse Spencer.** A light pink-edged *Countess Spencer*	.10	.40	1.10
3147	**George Herbert.** Bright rosy-carmine. (Per lb. $3.75)	.10	30	1.00
3148	**Helen Lewis.** Standard crimson-orange; wings orange-rose	.10	.25	.85
3152	**King Edward Spencer.** Deep carmine-scarlet. (Per lb. $12.00)	.15	1.00	3.50
3153	**Lovely Spencer.** Similar in color to the original *"Lovely"*	.10	.90	3.25
3154	**Mrs. A. Ireland.** Buff ground suffused rose	.15	1.50	5.00
3155	**Marie Corelli.** Brilliant rose-carmine. Half-size packet of ten seeds 15 cts.	.25		
3156	**Miriam Beaver.** Bright soft salmon-pink. Half-size packet of six seeds 15 cts.	.25		
3157	**Menie Christie.** A lovely ruby-rose	.10	.35	1.25
3159	**Mrs. Routzahn Spencer.** Apricot or buff suffused with delicate pink. Half-size packet (fifteen seeds) 15 cts.	.25		
3160	**Mrs. Sankey Spencer.** *Black-seeded* White Spencer	.15	.65	2.50
3161	**Othello Spencer.** Rich deep maroon	.10	1.00	3.50
3166	**Burpee's Primrose Spencer.** (Re-selected.) (Per lb. $5.75)	.10	.50	1.50
3169	**Queen Victoria Spencer.** Deep primrose flushed with rose	.15		
3170	**Ramona Spencer.** Striped blush pink on white ground	.15	.85	3.00
3172	**The Marquis.** A beautiful rosy-heliotrope	.10	.50	1.75
3173	**Senator Spencer.** Half-size packet of ten seeds 15 cts.	.25		
3174	**Tennant Spencer.** Spencer form of *Dorothy Tennant*	.10		
3175	**W. T. Hutchins.** Cream yellow margined with blush-pink. Half-size packet of six seeds 15 cts.	.25		
3176	**Burpee's White Spencer.** (Re-selected.) (Per lb. $3.50)	.10	.30	1.00
3181	**Surpassingly Superb New "Spencer" Seedlings.** A grand mixture of varieties of *the true "Spencer" type.* (Per lb. $4.00)	.15	.40	1.10

BURPEE'S KING EDWARD SPENCER comes *true from seed*, and the magnificent flowers are generally *sunproof.* This is undoubtedly the largest and best Scarlet Sweet Pea yet developed.

A spray of **Burpee's "King Edward" Spencer.** Exactly natural size.

☞ In ordering, please state whether you want also a copy of **BURPEE'S ANNUAL FOR 1910,** an elegant book of 178 pages and a trustworthy Guide, which has been long and favorably known as **"The Leading American Seed Catalog."**

☞ Every Florist and Market Gardener who is willing to pay a fair price for the Best Seeds it is possible to produce should consult **BURPEE'S BLUE LIST FOR 1910,** which will be mailed also—if you mention **The Florists' Exchange.** This **BLUE LIST** is never sent to Private Planters, even if asked for.

W. ATLEE BURPEE & CO., Burpee Building, Philadelphia

Burnett's New Tomato "Liberty"

This Illustration is a Direct Reproduction from Nature

A Wonderful and Striking Novelty

Tomato Liberty, introduced by us two years ago, holds undisputed reputation as the best main crop variety in cultivation. It was largely grown last year by many competent private gardeners throughout the country, who claim it to be one of the finest novelties ever offered. It is an exceedingly heavy cropper and bears abundantly until very late in the season. The fruit is of a glossy red color, of immense size, perfectly round, uniform in shape, solid and meaty; of superb quality, with few seeds and borne in clusters of from 8 to 10 large Tomatoes. Liberty has won prizes and certificates of merit wherever shown and will be found the leading variety for exhibition purposes. All our patrons who have grown Liberty claim it to be entirely distinct and far superior to all other sorts.

Burnett's New Cabbage "Bass Rock"

As a second early variety this Cabbage has no equal. It matures a few days later than Early Summer, is much larger and a sure header. For quality and evenness in size it is, without doubt, the finest of the flat headed type grown either for Summer or Winter use, being absolutely perfect in every respect.

Burnett's Special Lawn Grass Mixture

The above mixture is made from our own formula, and composed of grasses specially adapted for the purpose of producing turf which retains its rich green color and velvety appearance throughout the entire Summer and Fall. In making up this high grade mixture we are careful to use only the very finest quality of all the most desirable dwarf evergreen, *recleaned*, grasses, free from chaff and weeds, which thrive well on any soil, thus ensuring a beautiful and permanent lawn.

Catalogues on Application

BURNETT BROTHERS

SEEDSMEN

72 Cortlandt Street, New York

Please mention the Exchange when writing.

pecially. The facts are, that "Surplus Lists" are not taken very seriously by well-posted seedsmen. Briefly, another case this season, along this same line, occurred as follows: A grower of Onion seed, on contracts, filled his customer's orders on a basis of 50 per centum, and then the same grower issued a "Surplus List" offering the very same variety of Onion seed. Such are some of the disturbing factor that the better class of seedsmen have to contend with. In a future note the writer will speak of this matter again.

Danish Ball-Head Cabbage

It is, of course, a number of years now since this Cabbage was introduced, under the name of "Hollander"; but of such great merit has it proved that it may be said at the present time to be one of our best standard sorts. It is of strong and vigorous growth, and produces good sized, round, compact heads, which are so hard and solid that they weigh as a trimmed Cabbage more than any other. In quality it is all that can be desired. Such, briefly, is the description of one of the best Winter Cabbages on the list, and one that is this season destined for very large sales. V.

Having Regard to Seed Legislation

There is no special legislation which can be enacted that would benefit the planter, purchaser, or dealer in vegetable or flower seeds. It is, of course, comparatively easy to legislate relative to grass, Clover and agricultural seeds where admixtures can be detected. With vegetable and flower seeds the mechanical purity is, of course, a very easy matter to insure, but the two points that are necessary are vitality and purity of strain. Sometimes the finest strains, in unfavorable seasons, or because necessarily produced under certain climatic conditions, will have less strength of vitality than inferior stocks grown in other sections.

The vitality of seeds can, of course, be tested before their selling or planting but of much greater import is the quality of the stock and this can only be assured by careful inspection of growing crops, selection of stocks, and then, as a safeguard, by the testing of samples.

In the Pure Seed Bill now under advisement at Washington it is proposed that seed packets shall be labeled "United States Standard." Now, if from mechanical purity and germination alone, any seedsman or dealer is allowed to use these words—"United States Standard"—the planter would suppose that necessarily he was obtaining first-class seed of choice, pedigreed strains, whereas he might be getting the cheapest rubbish.

All honest seedsmen will agree that there should be restraint by law—were it possible to have such restraint—"from willful adulteration or misbranding, or the sale of seed which they know, or by reasonable diligence should know, will not grow." But how is such "willful adulteration" or "willful misbranding" ever to be proved? W. ATLEE BURPEE.

Philadelphia, Pa.

Adulteration and Misbranding of Seeds

According to the report of the U. S. Department of Agriculture, just issued, on the adulteration and misbranding of seeds of Alfalfa, Red Clover, Orchard grass, and Kentucky Bluegrass, in carrying out the provisions of the act of Congress directing departmental investigation during 1909, there were secured and analyzed 1814 samples of seed, and in the report is published the analyses of 69 samples found to be adulterated or misbranded, together with the names of the seedsmen by whom they were offered for sale.

Of 359 samples of Alfalfa seed secured, 107 contained Dodder. No lots were found to be either adulterated or misbranded.

Of the 630 samples of Red Clover seed obtained, 54, or less than 10 per cent., were found to contain Dodder, as contrasted with more than 50 per cent. last year. The fact that a comparatively small number of samples of Red Clover were found to contain Dodder this year, the report says, is no doubt chiefly due to the low price of Clover seed in the Spring of 1909, little low-grade seed being imported from European sources. No samples of Red Clover seed were found to be adulterated or misbranded.

Of 379 samples obtained of Orchard Grass seed, 55 were found to be adulterated with seed of Meadow Fescue or Rye grass, or both. This is practically the same number of adulterated samples of Orchard Grass seed that was found in the calendar year 1908, showing that there has been little change in the amount of adulterated Orchard Grass seed on the market.

Of the 446 samples of seed obtained as Kentucky Bluegrass, 14 were found to be wholly or in part seed of Canada Bluegrass. This shows a decided decrease in the amount of adulterated seed of Kentucky Bluegrass on the market as compared with last year, when 39 samples were found. This decrease, it is stated, is no doubt partly due to the fact that there was less difference in price between Canada Bluegrass and Kentucky Bluegrass seed this year than in former years. Germination tests of this seed showed a variation from zero to 90 per cent., with an average of 62 per cent.

Summing up, the report says:

On the whole, the results of this work for the year are very encouraging. No adulterant was found in the seeds of the two staple forage crops Red Clover and Alfalfa; there was a decided reduction in the number of samples of adulterated Kentucky Bluegrass seed, and no increase occurred in the number of samples of adulterated Orchard Grass seed. The percentage of samples of Red Clover seed which contained Dodder was only one-fifth of what it was a year ago. Of the 40 firms whose names are published in this circular as selling adulterated seed, only 19 have been previously published for the same reason, indicating that the result of publication has been to deter dealers from continuing the sale of adulterated seeds. Of the 19 names in this circular which have previously appeared, only 8 have appeared more than once.

As has been formerly stated in its publications, the Department will examine and report promptly as to the presence of adulterants and Dodder in any samples of seed submitted for that purpose. According to the location of the sender these may be submitted to the Seed Laboratory, at Washington, D. C., or to any of the following laboratories maintained through the co-operation of the Department: Branch Seed Testing Laboratory, Agricultural Experiment Station, Columbia, Mo.; Branch Seed Testing Laboratory, Agricultural Experiment Station, Lincoln, Nebr.; Branch Seed Testing Laboratory, Oregon Agricultural College, Corvallis, Oreg.

GREENHOUSE CONSTRUCTION NEWS

The King Construction Co. of Tonawanda, N. Y., report the following greenhouses to be erected of King iron frame material: Leonard Cousins, Jr., Concord Junction, Mass., 50′ by 233′; C. E. Holbrow, Brighton, Mass., 2-31′ by 225′; Victor Groshens, Roslyn, Pa., 42′ by 500′; A. J. Boothman, Adams, Mass., 3-33′ by 58′-2¼″; Henkea Bros., Watervliet, N. Y., an addition of 58′ on their 50′ by 200′ house; Meerbott Floral Co., Secaucus, N. J., 2-21′ by 125′; Orin S. Bacon, Canandaigua, N. Y., 21′ by 33′-3″; A. C. Cappon, Canandaigua, 50′ by 190′; Mrs. Annie L. Brooker, Richmond, Va., 28′ by 206′; Irving Dunford, N. Olmstead, O., 2-21′ by 100′; J. R. Spafford, Barker, N. Y., 2-21′ by 100′; John Reimels, Woodhaven, L. I., N. Y., 28′ by 100′; A. L. Brewer, Berlin, Mass., 35′ by 100′. Also for Mrs. D. P. Rumsey, Buffalo, a semi-circular conservatory, radius of 11′-2″.

Coming Exhibitions

Boston, Mass., Feb. 26, 27, 28.—Spring exhibition of the Massachusetts Horticultural Society of Plants, Flowers, Fruits and Vegetables. Schedules may be obtained from Wm. P. Rich., Secretary, 300 Mass. ave.

New York, March 16-18, 1910.—Exhibition of The American Rose Society, at the American Museum of Natural History, 77th st. and Central Park West. Secretary, Benjamin Hammond, Fishkill-on-Hudson, N. Y.

Boston, Mass., May 26-30, 1910.—Great Exhibition of Orchids and other plants, by the Massachusetts Horticultural Society. Secretary, William P. Rich.

We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(45) **Wants to Study Landscape Gardening.**—I wish to study landscape gardening, that is, the drawing of plans and the necessary engineering that goes with it, but do not know where to apply for such training by correspondence, that being the only way I could afford to learn it. I also would appreciate any information you could give me concerning same. I am well versed in trees, shrubs, and in fact all other kinds of gardening. I would like to know the quickest way to learn landscaping.—J. T. D., New York.

—Perhaps some of our readers can enlighten this subscriber.

(46) **Trouble with Bay Tree.**—I enclose some leaves of a Bay Tree and I would like to know what the trouble is with them, the foliage is all dying; the tree seems to be all right. I had a man spray it and the leaves all turned yellow.—N. E. H. S., Mass.

—Your Bay tree, appears to us to have been crowded in too dark or too warm a place, and if this is the case would advise putting it in a cool, light shed, where plenty of water can be given it. Otherwise the leaves are healthy except for a few scale, which can be washed off.

(47) **Maggots on Marguerites.**—What will kill the small maggots found in the leaves of the Marguerite Daisies and Feverfew? The maggots are ⅛ to ¼ inch long and are light brown in color.—M. H. K., Mass.

—Spray under the foliage with Nicoticide, Aphine, or Nicoteen.

(48) **Nicoticide for Orchids.**—Would you kindly let me know through your columns what is the quantity of Nicoticide, sold at $15 gallon, should be used as fumigating compound for spraying Orchids and young tender plants?—L. C. E., N. J.

—A wine glass full of Nicoticide to a gallon of water has proved a good spray; but why not write to the manufacturers for correct directions?

(49) **Coal Ashes for Concrete Mixture.**—Somewhere I have read about the use of anthracite coal ashes instead of sand for the making of sides for solid beds. Will you please state the proportion of Portland cement to be used with the same, also the proper size.—K., Conn.

—One part Portland cement to five parts ashes; a little sand in the mixture would be advisable. Solid beds are usually built 3 ft. high, 4 ft. wide, inside, and 6 inches thick, although the height varies according to crop to be grown.

(50) **Spots on Carnation Foliage.**—I have a house of Carnations and there is something wrong with them. I am enclosing a sample of the leaves. About two weeks ago I gave them a solution of copper; do you think I gave it too strong? Or is that the cause the leaves curl up and wither like old hay? The condition of the soil is good, not too wet or too dry. I keep the house about 64° in day time and from 52° to 54° at night. I am very much worried about these Carnations and I would be more than thankful if you could give me a remedy to hold them. I noticed them wilting about three days ago and they are gradually getting worse.—J. C., Long Island.

—Leaves sent here appear all right, except for a little spot, which you could get rid of by spraying with Bordeaux mixture. Your trouble is evidently with the copper solution you used, which has burned the plants up, and for which we see no remedy. Sulphate of copper should not be used on any plants without being mixed with other ingredients, as it is very caustic.

(51) **Cinch Bug on Dahlias.**—Would like to know a remedy or preventive for "cinch bug" on Dahlias. Have tried to grow Dahlias several seasons but mostly with the same result, bloom buds punctured at an early stage of their growth, causing distorted flowers or destroying them altogether. Have tried various insecticides, even to Paris green, which they seem to enjoy and thrive on. The insect referred to is a small brown fly, shield shaped when the wings are closed, and has a white spot on each wing; it is about an eighth of an inch in length. It is well known to Chrysanthemum growers in this locality, Western New York, as it attacks mums also.—T. S., W. New York.

—The cinch bug, or tarnished plant bug as some call it, is a difficult insect to fight, and but small results have been met in efforts to cope with it. The Missouri Experiment Station has recorded in its Bulletin No. 47 some interesting data concerning the pest, which may contain something of interest to you. Jarring a plant in the morning so that the bugs fall into a pan containing diluted kerosene is often resorted to. Watchfulness in early Spring, when shoots of the Dahlia contain the eggs, will result in some destruction if the ends are nipped off and burned. Perhaps some reader can supply us with a remedy.

(52) **Nitrate of Soda for Lilies.**—Please let me know in the next number of the Exchange if nitrate of soda is good to force Lilies, and how much must be used?—L. W., New York.

—Weak solutions of nitrate of soda are the safest, so would advise one teaspoonful to three gallons of water, applied once a week. Why not try liquid cow or sheep manure, used twice a week? You will find it safer.

(54) **Destroying Insect Eggs on Trees.**—Will you kindly inform me through the EXCHANGE what is the best mixture to use on fruit trees to destroy insect eggs at this time of year? Also can you please tell me what the mixture was that the government recommends for syringing trees at this time of year?—G. G., New York.

—There are on the market two or three good preparations suitable for your purpose, Kil-O-Scale and Scalecide being the most prominent for outdoor work. These are sold by many of our advertisers. We have no data at hand from the Government just now. Write to the New York State Department of Agriculture at Albany, N. Y., for its bulletin on that subject.

(55) **Fungus on Soil.**—On top of the soil in the flats in which I have seed sown there is a grayish looking substance which comes on one side of a flat and spreads out towards the center. My house and soil are new, been in use only about one month. I have discovered this formation in the last day or two. Will you kindly give me your advice regarding same?—W. H. G., New York.

—The grayish looking substance which is bothering you is the growth of a fungus, secreted in the lumber of which the flats are made, and perfect growing conditions in the greenhouse have caused it to develop rapidly. Would suggest the thorough drying of empty boxes by placing them on the boiler or pipes. An application of fresh lime inside the boxes would also do good. Scatter air slaked lime on the fungus where seeds are sown. An application of Bordeaux Mixture would also be effective on the fungus, but on account of tender seedlings you should be very careful to put nothing injurious to plant life on the soil in the flats.

(56) **Locating Legs for Benches.**—How far apart should be put legs for benches, benches 4 feet wide? Did anyone have experience with cast iron benches? Are they strong and good for cut flowers and pot plants?—C. L., S. Dak.

—(1). Four and a half to five feet apart. (2) We do not know of any grower using a solid cast iron bench. Many use the iron frame legs, etc., on which rest the boards, concrete or slate slabs, all of which are good, and prove quite profitable. Write to some of the greenhouse builders for their catalog.

(57) **Asters for Commercial Purposes.**—Will you kindly send us the names of the best Asters for commercial purposes, giving two or three kinds in each color.—M. C., New York.

—White: Crego, White Branching, Mikado, Hohenzollern. Pink: Semple's Pink Branching, Daybreak, Vick's Late Pink Branching. Lavender or purple: Violet King, Purple Branching, Lavender Gem. All these are suitable for field culture and will give medium to late crops of cut flowers.

Cultural Directions

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

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Newport (R. I.) Horticultural Society

The regular bi-monthly meeting of the above named Society was held on February 22, with President James Robertson in the chair. Owing to bad weather the attendance was small. The premium list for the Rose and Strawberry show was presented and read, but action on same was deferred. Only a few changes are recommended to the list as adopted for last year. Special prizes are offered by J. C. Vaughan and S. G. Harris, the latter for collections of Peonies, and the former for Sweet Peas; and by Mrs. Goelet for a vase of Roses $25, and for a vase of Carnations $25, one prize only in each class. For the Fall show A. J. Rickards of Rickards Bros., New York, who was present, offered on behalf of his firm a cup, with a ten dollar gold piece as a second prize to be awarded to whatever object the Society may designate. John Lewis Childs also offers prizes for Gladiolus. From present indications more than one set of judges will hereafter do the work of judging at our shows, but all of home talent. A. M. L.

Toronto G. and F. Club

The Annual Carnation Show of the Toronto Gardeners and Florists' Association was held in St. George's Hall, Elm street, Toronto, on Friday, February 18, and though not up to the best form of meetings was still very successful.

The tables were nicely filled with fine stock. Unfortunately, two fine exhibits from the United States did not arrive in the city until Saturday morning and one other not until about 5 o'clock on Friday. When the secretary, E. Collins, heard they were on the road, the judging was held over until 7 o'clock on account of their coming in. The judging was done by H. Dillemuth of this city and E. Collins. They awarded the gold medal to Joseph Heacock Company of Wyncote, Pa., for a fine vase of Dorothy Gordon Carnation. These were large flowers of a good color and had stood the journey well. A vase of Toreador from H. Weber & Son Co., Oakland, Md., which arrived only on Saturday morning, was displayed in a King street florists' window. The flowers were in fine shape on splendid stems and attracted much attention. They appeared to be quite as good as when this variety was exhibited here last season, and certainly would have given a close run to the winning of the medal again. A fine vase of Mary Tolman from Hunt Bros., Park Ridge, Ill., which also arrived on Saturday morning, was placed in Dunlop's window and many of the boys saw it on Saturday. This is also a handsome variety and arrived in good condition. The Dale Estate put up a very fine show and a vase of O. P. Bassett shown by them was only one point behind the winner of the medal. Their Roses were also exceptionally fine, quite up to their usually high standard. Dunlop had up several varieties of Carnations, all very good. R. Jennings of Brampton, Ont., also put up some extra fine Carnations. Messrs. Crowhurst & Son and William Jay & Son staged some excellent flowers, and Wm. Fendley of Brampton, exhibited Carnations, Valley and Violets. Sir H. M. Pellatt, whose gardener, T. McVittie, is our president this year, put up a group of well grown plants for which a certificate of merit was awarded. A nice group of plants was put up by our faithful secretary, E. Collins and Messrs. Jay & Son and T. Manton also put up groups of plants. The show was opened by the Mayor and a short address was also given by Mr. James the Deputy Minister of Agriculture. The show was free to the public and was well attended. T. MANTON.

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BLUNT END SOFTWOOD STICKS; for stemming, Green and Plain, 6, 12 and 18 ins. long.

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Tri-City Florists' Club

At a meeting of the Tri-City Florists' Club held at the home of Harry Bills on North Brown street, Davenport, Ia., arrangements for the fourth annual banquet to be held on the evening of March 17, at the Outing Club were completed. At the meeting Theodore Ewoldt and William Goos of Bettendorf addressed the Club on the subject, "How to Advance the Profession Commercially."

Elberon (N. J.) Hort. Society

The Society held a meeting on February 21, President Peter Murray in the chair. The preliminary schedule for the Monmouth County Fair was read over and approved. A. Bauer will read a paper on the "Culture of Bulbs" at the first meeting in March. Peter Ewen was awarded 75 points for a vase of Stocks. A. MacDonald was elected an active member of the Society.
ALEX. FLEMING, Rec. Sec.

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During the recent Industrial Exposition reproductions of this Aster have appeared in countless papers, programs and private advertising matter. Thousands of souvenir spoons, watch fobs, and hat pins, carrying a design of this Aster, have been sold by various concerns. The design and coloring of this beautiful flower are an important feature of the mural decorations of the Temple Theatre, just finished, which, by the richness of its appointments, in many respects, surpasses any other playhouse between New York and Chicago. It will also appear in the color schemes and figurative designs of the decorations and furnishings of the handsome new lake steamship, The Rochester.

Naturally we are proud of the various honors which have been bestowed upon this flower, especially in view of our prediction last year that it would spring into popularity surpassing that of any other variety in the last ten years.

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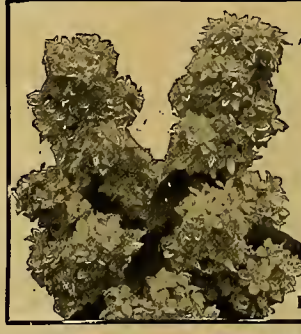

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Hardy Chrysanthemums, in field clumps—splendid plants of splendid varieties.
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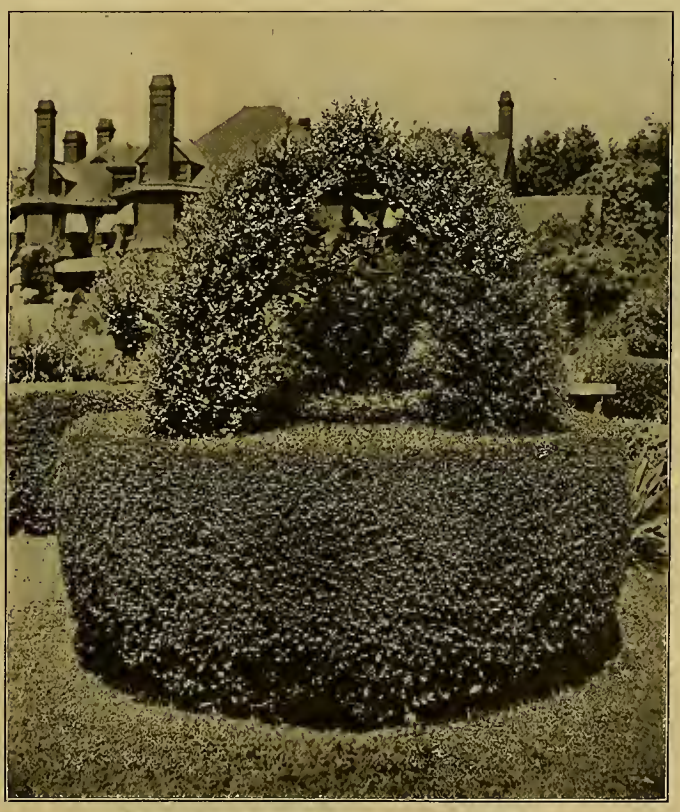
HOUSTON, TEX.—The La Porte Orchard Co. has been incorporated to grow, sell and purchase seeds, plants, trees, etc. The capital stock is $10,000, and the incorporators are Daniel Powell, J. H. Powell and W. A. Pitrat of Kansas City.

NEW HAVEN, CONN.—The Northeastern Forestry Co. has completed negotiations for the purchase of 100 acres of land in Cheshire, to be used as a forestry nursery. The company's plant in the Adirondacks will be removed to the new site.

Fancies in Pruning Privet The Italian gardens of many an old estate in England have afforded interest and astonishment to many a visitor to them to see the various likenesses to animals, birds and other objects formed from various bushes, chiefly from the Yew, as it proves very tractable to the use of the knife and to the gardener's desire to train it into various desired shapes. But little of this kind of work is to be seen in our midst. Our country is too young yet for much of it to be developed, but it could be done, especially as the English Yew, from which the many curious objects noted as existing in Europe have been fashioned, thrives very well here.

The California Privet lends itself so well to the efforts of the pruner that it is becoming common to see it forming many shapes differing from its natural one. Here is one before us which shows what an effort has accomplished. As the gardener was not present when our photographer took the picture, we are unable to say what it was designed to represent, but it shows how easy it is to make almost any object of the California Privet, with a little care. There are many other species of Privet that would not object to pruning more than the California one does. Take the evergreen one, Ligustrum Japonicum, for example. It is a thrifty grower, which favors its use where pruning is desired. Used as the one shown in the illustration has been, it would be evergreen the whole season through, let the Winter be a severe one, which cannot be said of the Californian when in exposed places. Another evergreen one, lucidum, common in some places in the South, and hardy in zero weather when protected one by another in hedges, has still handsomer foliage than Japonicum.



Fancies in Pruning Privet—Liberty Bell

California Privet Hedges It may be that the California Privet is not an ideal hedge plant, as some contend, but the immense stock for sale, as shown by the advertisements in the EXCHANGE, indicate a faith in continued calls for it. There is a limit to the territory it can be used in, because that in hard Winters it will not endure the cold of the far northern States. In those places the Ibota Privet is named as a far hardier one. This one is not advertised to near the extent the Californian one is, showing that it has not attained the popularity of the other, or else that advertisers do not look for orders for it from distant points.

Those who have disputed the claim of the California Privet, Ligustrum ovalifolium have not named anything to take its place—anything of the same quick growing nature and pleasing green foliage. It is expected that those who have lost it by freezings in cold Winters would look for something better, but if they have found it they do not make it known, nor is it advertised. It would be a favor to name such a plant, if such there be, a something that will stand a continuous zero cold a good part of the Winter. A drop to zero now and again does not hurt the Californian. In the vicinity of New York City zero is recorded several times through an average Winter, but this privet does not mind that. The fact that this Privet may be cut to the ground, and, usually, be all the better for it, is much in its favor, as should frost hurt it, the trouble can soon be remedied by cutting it down and renewing the hedge from a certain point.

There are bushes of the California Privet, and hedges too, in the vicinity of Philadelphia, that had zero on them for days in succession, and which have never been hurt.

Those opposed to this Privet say its use by everyone makes such a sameness as to be much against its use. Travelers often tell us that the beauty of rural England comes from the miles of roadsides bordered with the Hawthorn, which shows all do not think alike in regard to a sameness.

Sophora Japonica Planters often are on the look out for large growing trees to bloom late in the Summer; and many of them are well acquainted with the Koelreuteria, a Japanese tree, bearing light yellow flowers in Midsummer. This is not the only tree they could get. There is another Japanese one, the Sophora Japonica, an excellent Summer blooming tree. As with the Koelreuteria, its flowers come in panicles, but unlike it its flowers are cream colored.

In respect to its growth it makes a much larger tree than the Koelreuteria, fitting it well for many places. It needs a position where it may grow at will, then it is a fine spreading tree as well as a tall one. In its younger years the bark of this tree is of a deep green color, unlike that of any other tree that comes to mind now.

When in good, deep soil the growth of the Sophora is not slow, as it is when in poor soil, and trees of but 8 ft. size will sometimes flower. When the large trees, those of 40 ft. say, are in flower, in July, they are a great attraction.

Fragrant Magnolias Referring to the notes on "Fragrant Magnolias," which appeared in a recent issue of the EXCHANGE, Wm. F. Bassett writes:

"In your item about 'Fragrant Magnolias' you have omitted the best one—Magnolia Soulangeana. This is as fragrant as glauca and to me more agreeable. I think Magnolia purpurea is also quite fragrant. Magnolia tripetala has some odor, but rather unpleasant, so much so that my boys used to call it Magnolia stinkiana. It is not uncommon for Magnolia glauca to retain some green leaves in a sheltered position here, and the leaves do not ripen and fall off, like most deciduous trees, until they are pretty severely frosted."

If Mr. Bassett has a Magnolia Soulangeana as fragrant as a glauca, he assuredly has a most valuable sport. I can assure him there are no Soulangeanas here, nor have I ever heard of one as "fragrant as glauca." There is a slight fragrance to the flowers, perceptible when they are close to one's nose, much as conspicua has. The flowers of Magnolia glauca fling their fragrance around for a hundred feet away, when the wind is right. In the article to which Mr. Bassett refers there should have been one more fragrant one mentioned, the M. Fraseri. When a flower of this is gathered and held near the nose the fragrance is delicious, but it is not thrown on the air as is that of the M. glauca.

Flowers of Pterostyrax hispida The flowers of the new tree, Pterostyrax hispida, are among the most attractive of any that appear in late Spring. Although terming it new, it is not new except in the sense that hardly anyone has it or knows of it, for it has been in collections of trees here in a few gardens for 30 years or more. As it requires some dozen years for it to grow from a small plant to a size to bear flowers, it was some years after its introduction before any one knew of its value. Because of the resemblance of its flowers to those of the Wistaria in many respects, it is getting to be called Wistaria tree, but this is a little confusing, because when the Wistaria vine is grown in standard style it is called Tree Wistaria, and this may confuse some folks as to which one of the two is meant when called by the common name.

This Pterostyrax is a Japanese tree, forming, with its growth, a round headed shape, not unlike that made by the Norway Maple. It has not been introduced long enough to enable to know what it will look like with age, probably it will not make a large tree.

The flowers are white, finely divided, and though drooping like the Wistaria the racemes are not of the same length, and they are broader in proportion to length than those of Wistaria.

As mentioned, unlike some shrubs which flower in a year or two, the Pterostyrax takes time first, but when the stock that is now being distributed flowers there will be quite a demand for the trees from all who see them. As it flowers and forms seeds freely, and seedlings are not difficult to raise, there should be young trees for everyone when the demand comes.

Everbearing Mulberries What is called the everbearing Mulberry, as known to the nurserymen of the northern States, is Downing's Everbearing. In former years this was written of and listed as a variety of the common Italian Mulberry, but anyone familiar with the Downing's knows as soon as he sees it that it is a variety of the wild Mulberry, Moras rubra. There is one more common than this one sold by southern nurserymen, which they call Hick's Everbearing, having a leaf much resembling the Downing's.

Regarding the everbearing character of Downing's, it does not appear to have any more claim to this than many ordinary Mulberries. The common white Mulberry, M. alba, does not ripen all its fruit at once. There is a succession of ripening lasting over some six weeks in all. When the first berries are ripe there are others but just forming, so that this species is as much everbearing as Downing's, for it does no more than this; six weeks is as long as it continues to ripen its fruit.

There is a great difference in the fruit of these two. The white Mulberry, alba, is not always white, some trees have light pink fruit, others quite black and the fruit itself is not nearly as long as the Downing's, which is, too, a dark red fruit.

As to the Downing's itself, it may be that its berries ripen over a longer period than the type, M. rubra, but it does not appear so to do.

The propagation of Downing's is by layering or grafting, using any other strong stock for it, but rubra makes the best as being closer to it in affinity. All the species are easily increased from seeds, sown soon after they ripen or very early in Spring.

The white one, Morus alba, furnishes the leaves for the feeding of silk worms, but the worms will eat the leaves of Osage Orange, and perhaps other kinds as well.

Feeding Nursery Stock When nursery stock is well fed the growth is so quickened that it pays for the cost of manure many times over, besides giving to the plants a vigor which stands them in good need when they are transplanted. There is no better time than Winter for applying manure, scattering it broadcast among he stock. When the rows of trees are far enough apart to admit of a narrow sled being drawn along them, it is a capital way to get the manure to them; and in this way it can be spread from one end of a block to the other. Manure got on in Winter will all have pretty well disappeared by Spring. Rains and snows will have disintegrated it and have carried it into the soil, to help along the roots with food as soon as they commence calling for it in Spring. It is a mistaken course that decides on trees getting along without the help of manure. They may grow and grow well, but with manure they grow still better, enabling a certain size to be sold a year or more in advance of what it would have been without the manure.

In setting new blocks of young trees the ground should be well manured, the plan of many to place manure all along an opened trench before setting the plants being an excellent one.

The Sweet and the Sour Gum Time was when the Sour Gum, Nyssa multiflora, was much sought for ornamental planting, because of the yellowish scarlet color of its Autumn foliage. It is yet planted for the same purpose, but as there are now so many trees of beautiful Autumn colors it is not the only one now set out for the purpose. As between it, the Sour Gum, and the Sweet Gum, Liquidambar styraciflua a great many prefer the latter, both for its Fall color and for its general handsome appearance at all seasons. Its star shaped leaves are always admired, even in Summer when of their usual green color, and when Autumn comes these change to a combination of colors of green, yellow and scarlet, which is decidedly attractive, and to many is more pleasing than that of the Sour Gum.

The foliage of the Sour Gum is in some seasons of a brilliant scarlet, at other times not so attractive. It is one of the first trees to take on the bright colors of Autumn and one of the first to shed its leaves. In its favor is the fact that it will endure the temperature of almost the very coldest States, while the Sweet Gum cannot stand as much cold, though it is wild in southern Pennsylvania, and, indeed, as far as Connecticut in the proximity of the sea.

Both species are considered difficult to transplant, which means that severe pruning should follow transplanting; especially is this true of the Sour Gum.

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TUBEROSES

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Excelsior Pearl. First size	$1.00	$8.50
" " Mailing size	.50	3.50
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Variegated-Leaved	1.15	10.00
Albino	1 25	11.00

GLADIOLUS

	Per 100	Per 1000
America	$3.50	$30.00
Augusta	1.75	15.00
Brenchleyensis	1 45	10.00
Ceres	1.45	12.50
Eugene Scribe	3 50	
Emma Thursby	2 50	
Isaac Buchanan	4 00	
Jessie	1 75	14.50
Madam Monoret	2 25	20 00
May	1 75	14.00
Mrs. Francis King	3.00	28.00
Princeps	9 00	
Reine Blanche	2.50	
Shakespeare	4.25	40 00
Red and Scarlet Shades	1.30	11 00
Scarlet White Throat	2 00	18.00
Striped Shades	2.75	22.00
Pink Shades	1.50	13.00
Yellow Shades	3.50	

MIXTURES

	Per 100	Per 1000
Rainbow Mixtures	$2.75	$25.00
Vaughan's XXX Florist Mixture	1.75	15.00
Seedling Mixture	1 50	12 00
Extra Fine Mixed	2 00	18.00
Vaughan's Fancy Mixture	3.50	30 00
Childsii Mixed	2.00	18 00
Good Mixed	.85	7.00

NEW and RARE CALLAS

	Per doz.	Per 100
Elliottiana. Giant yellow	$2.00	$19 00
Cinnamon Vine. Mailing size		2 00
Cinnamon Vine. Large "		2.75
Chlidanthus Fragrans.		4 00

		Per doz.	Per 100
Mikado Fern Ball.	5 in.	$2.00	$15 00
	7/9	3.00	20 00

	Per 100	Per 1000
Madeira Vine.	$1.25	$10.00
Montbretias.	1.50	10.00

ROOTS

	Per doz.	Per 100	Per 1000
Dahlias. Assorted colors	$1.25	$8 00	
undivided clump			
Cannas Mixed		1 25	$8.00
Dielytra, Bleeding Heart.	1 00	7.00	
Valley Clumps	3 00	20 00	

GLOXINIAS

	Per 100	Per 1000
Seperate Colors	$3.25	$30 00
Mixed Colors	2.85	26.00

Excelsior Pearl Tuberose

CALADIUMS

	Per 100	Per 1000
Size 5 to 7 inches	$2 00	$17 00
Size 7 to 9 inches	3.00	28 50
Size 9 to 11 inches	6.00	55 00
Size 12 inches up	14 00	

HARDY LILIES

	Per 100
Auratum. 8 to 9 inches	$5.25
9 to 11 inches	9.00
Album. Pure white, very fragrant, 8 to 9 inches	7 25
9 to 11 inches	12.00
Rubrum or Roseum. 8 to 9 inches	5 25
9 to 11 inches	8 00
Melpomene. 8 to 9 inches	6 00
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Canadense Drooping bell shaped, yellow flowers	4 50
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Philippensis	15.00

AMARYLLIS

	Per doz.	Per 100
Belladonna Major	$1 50	$11.00
Burbank's Vittate Hybrids.	5.00	
Johnsonii. 7 to 9 inches	2 25	15.00
9 to 11 inches	3 00	20.00
Formosissima	.65	4.00

BEGONIAS

	Per 100	Per 1000
Single—White, Yellow, Scarlet, Pink	$2 50	$22.00
Double—White, Yellow, Scarlet, Pink	4.50	40 00

	Per doz	Per 100
Cardinet	$2 00	$14 00
Lafayette	1 50	10 00
Graf Zeppelin	1.25	8 00
Cristata	1 50	10 00

OXALIS

	Per 100	Per 1000
Oxalis. Pink	$0 30	$2 75
Oxalis. White	.30	2.75
Oxalis. Red	.30	2.75
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Richardia Alba Maculata. Spotted Calla, choice stock	3 25	30.00

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	Per doz.	Per 100
Conchiflore. Yellow spotted red	$0.45	$3.00
Grandiflora Alba. White with red spots	.45	3 00
Speciosa. Scarlet	.45	3 00
Canariensis. Yellow spotted scarlet	.45	3.00
Mixed Colors.	.40	2.75

ZEPHYRANTHUS

	Per doz.	Per 100
Candida	$0.35	$2.00
Rosea	.40	2 50

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Yonkers (N. Y.) Hort. Society

A very interesting meeting of this Society was held on Wednesday evening February 16 at which a number of new members were admitted. All the officers were present, President Bennet in the chair.

As there was a prize offered at our last meeting by Peter Macdonald, for the best collection of one dozen Carnations of any variety, a large number of very fine Carnations were shown. The judges appointed by the president were Mr. Nichol, A. Macdonald and W. Wright. After viewing the exhibits the judges decided as follows: First prize, W. H. Waite; second, J. Goff; honorable mention, R. Cochrane and R. Cummings. H. Scott also received honorable mention for a very fine exhibit of Callas. It was decided that the Society have a dinner on Thursday evening, March 10, at Park Hill Inn. for the members and their friends.

After the business of the meeting was concluded, Pres. Bennet read a very able paper on "American Beauty Roses," after which he invited a general discussion by the members several of whom took part, among the number being Messrs. Waite, Nichol, Moony and Lahm. Our next meeting will be held on Wednesday evening, March 2, when it is expected there will be a very fine exhibit of Roses, as Pres. Bennet has offered a prize for the best collection of one dozen of any variety. Secretary Waite will read a paper on "Gardeners and the Gardening Profession."

LEE WHITMAN, Cor. Sec.

Massachusetts Horticultural Society

On Feb. 19 at Hort. Hall just before the weekly lecture began, John K. M. L. Farquhar addressed the meeting on the subject of the "Elm Trees on Commonwealth Avenue," and read the resolutions adopted at the meeting of the Boston Gardeners and Florists' Club on February 15. The subject evoked much discussion. Mr. Farquhar finally moved that the resolutions as read be also adopted by the Society. The motion was seconded by Robert Cameron, and the resolutions adopted.

In a few appropriate words Chairman W. J. Stewart introduced the lecturer of the day, Glenn C. Sevey, editor of the New England Homestead, Springfield, Mass., who delivered a scholarly lecture on "The New Agriculture and its significance to New England." A very interesting discussion followed the address. The principal topic discussed was "What is the best way to educate the schoolteachers so that they will be able to give correct instruction in agriculture and horticulture in the schools." It was the concensus of opinion that the schoolteachers at the present time are not qualified to give the best advice and instruction.

There will be no lecture on February 26, as that is one of the days of the Midwinter exhibition, therefore, the next lecture will be on Saturday, March 5, and promises to be one of great interest. The subject is "Horticulture as a Profession for Woman." The lecturer will be Miss Laura Blanchard Dawson of Jamaica Plain, who is a teacher of Horticulture at the Lowthorpe School of Horticulture, Groton, Mass. Miss Dawson is a daughter of Jackson Dawson, the famous horticulturist of the Arnold Arboretum.

R. C.

Detroit Florists' Club

The announcement of a paper on Cyclamen to be read by Mr. Winterich of Defiance, Ohio, our long distance Club member, brought out a good attendance. His paper was more than expected, very plain and simple, beginning with the process of sowing, which he recommends to be done in flats, making rows 1½" apart and dropping the seeds in the rows ¼" apart, and finishing with useful pointers on selecting seed plants. He also lays great stress on preventing the soil from becoming covered with green moss. In the seed bed he avoids this by covering the ground with sphagnum and in the later stages of cultivation he recommends frequent working of the soil. The best selling time is Christmas, and to have good perfect plants then sowings must be made in August. Light bottom heat and fresh air above are absolutely necessary. A light hot bed with sash laid on high enough so the foliage may get the benefit of light winds in Summer quarters for Cyclamens. Leaf mould, sandy loam and charcoal, with bone shavings, sifted through a fly screen, are best suited after the plants have reached the 4" pot stage; liquid manure may be applied moderately. Night dews during August and September greatly enhance the bud setting operation, and sashes should be removed nightly during that time. Different localities and different atmospheric conditions may change this time from August and September to July and August, at any event it should not be overlooked. Only the very best plants producing clear colored flowers should be selected early in the season for the producing of seeds. Spotted flowers are the result of poor seeds caused by the intervention of flies or bees in the fructification process.

After a thorough discussion of this very valuable paper the question of the flower show was again brought up. Rather discouraging remarks heard during the past few weeks caused Mr. Danzer to suggest the abandonment of a show at the Wayne Pavilion and substitute for it a show at Harmonis Hall. This brought out a good deal of feeling, and many a half hearted supporter turned into a very ardent believer in the good results of a first class show. Wm. Brown, who acted as chairman, took full advantage of the situation and started a subscription list for a guarantee fund. The result netted over $1000, and the meeting adjourned until Wednesday, at which time our option on the Wayne Pavilion expires.

FRANK DANZER.

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Please mention the Exchange when writing.

Washington, D.C.

F. H. Kramer is receiving the congratulations of all his friends upon the presentation by his wife on Saturday, Feb. 12, of an eleven-pound daughter.

J. L. C.

Utica, N. Y.

I have noticed by the Utica items in your last week's issue of the EXCHANGE, that I have been to Clifton Springs on account of ill health, which was entirely an error. I have been away three weeks on vacation, and thankful to say I have never felt better than I am at present. This item has caused a great deal of annoyance, answering inquiries from my friends.

PETER CROWE.

Firms Who are Building

BISMARCK, N. D.—R. D. Hoskins will build two additional greenhouses this Spring.

YORK, NEB.—J. Lawson, formerly of South Dakota, has purchased ten acres of land here, and will erect a large greenhouse.

BELOIT, WIS.—John Rindfleisch is to build a new greenhouse, in four sections, each 25 by 100 ft., with an office, potting room and boiler shed.

TOMAH, WIS.—Louis Stoerkel is preparing to build two additional sections to his greenhouse, 18 by 65 ft. and 18 by 125 ft. respectively.

Leavenworth, Kan.

J. E. Meinhart, owner of the Custom Flower Store, 404 Shawnee st., has bought one of the biggest greenhouses in the State of Missouri, located at Webb City. The plant embraces five houses, three 30x300 feet, two 20x200 feet, and one 10x200 feet, embracing 45,000 feet of glass. They are modern in every respect, having been but recently constructed. With them Mr. Meinhart bought a modern 8-room house and four acres of land. The purchase price was $15,000. He takes possession March 1. An experienced grower will have charge. The purchase was made so that its output could be used in the local flower store. It will also supply a store in Webb City and a large wholesale business.

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Best mixtures and named varieties
for either **forcing** or **field planting**

Quality—Firstly, Secondly, Thirdly and Finally

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ARTHUR COWEE

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Pansy, Matchless

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NASTURTIUM, QUEEN. Tall and Dwarf. Variegated-leaved. In many varieties.

***PANSY, MATCHLESS.** In grand mixture.

SWEET PEA, PICOTEE. Large waved, white, carmine edge.

SWEET PEAS.

King Edward VII. Improved. } Grand improvements
Miss Willmott. Improved. } on the old types.

For further particulars and other Novelties see our new Illustrated Trade Catalogue, free on application.

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12 Tavistock Street, Covent Garden,
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* See Electro.

Please mention the Exchange when writing.

A Visit to Mr. Burbank

While at Santa Rosa I enjoyed a visit with Mr. Burbank. In his greenhouse I saw a set of seedling berries that greatly pleased me. They were hybrids of a Carolina berry with Phenomenal, Logan, Mammoth, and Himalaya. The first three are the standard market berries with us. The Logan, as is well known, is a natural cross between the Dewberry of California and the Cuthbert Raspberry. Phenomenal is a cross of the same class made by Mr. Burbank some years ago, while the Mammoth is a superb berry in the Dewberry line as to appearance but a cross of our Dewberry with the Eastern Blackberry of the Lawton class. The Himalaya is a wonderful grower and bearer, in a class by itself, and at its best well worth while for the garden. It is ferociously thorny.

In the set of many hundred seedlings there are scarcely any with the faintest trace of thorns, yet the little fellows have, all of the appearance of their thorny parents. They are the fifth generations, and Mr. Burbank says that their parents were good berries. It looks as if a few years would give us high-grade berries of these classes, perfectly thornless, a consummation to be devoutly hoped for.

It is a pity that the Logan, Phenomenal and Mammoth are not fully hardy in the East. Since their advent here the old style Blackberry is in very little demand, and I suppose that probably Mammoth, with its almost seedless sweet fruit of large size, is easily in the lead in popular estimation.

I was a little curious in view of some criticism that I had read, to taste the leaf of the thornless Cactus, and tried those of two varieties. I found them to taste very much like raw Potato, and there seems to be no tough fibre in those that I tested. I am neither enthusiastically optimistic nor at all pessimistic as to the thornless Cactus. I believe that it will find a distinct and important place in our agricultural economy, but not at all what its advocates claim. But of this some other time.

CARL PURDY.

Newcastle, Ind.

Frederick J. Benthey Floral Co. has sustained a loss of $5000 through the collapse of a house 200x30 ft., all its contents being buried under a mass of cedar rafters, glass and a plentiful lot of snow. In the house were 20,000 young plants of American Beauty Roses, which the firm had contracted and been paid for to another firm in another city. Besides this there were thousands of cuttings which were being grown on for the company's own use.

It is the intention of the firm, according to Manager Otto L. Benthey, to rebuild the house as soon as the weather permits. The business will not be interfered with in the least, as arrangements have already been completed to get another supply of cuttings, not only for their own use, but to supply outside customers. No insurance was carried against this form of loss.

New Orleans

Mrs. Eblen, wife of John Eblen, died Feb. 12 and was buried the following day. Mr. Eblen, who is one of the pioneer florists of New Orleans and has been the treasurer of the New Orleans Hort. Society since its formation, is now retired from business and is held in high esteem by his former associates and all who come in contact with him; he has the sympathy of the trade.

At the February meeting of the Hort. Society it was reported that the Carnival flower trade was above the average. A. Doescher had brought to the meeting six varieties of forcing Cucumbers of which he makes a specialty during the Winter months and a general discussion followed on the cultivation of this type of Cucumber.

The Metairie Ridge Nursery Co. had some of their famous Roses, Bride and Bridesmaid, of A-1 quality, also Mrs. Jardine with stems from 40 to 44 ins.

Continued cold weather helps along the cut flower business as people are unable to go out in their yards and cut Roses and other flowers; usually at this season they can. Single Violets, however, form an exception as they always bloom more profusely in cold Winters and at the time of writing they are literally a sheet of blue.

CRESCENT CITY.

Dreer's Superb American and Imported Asters

Crego's Giant Comet Aster

We take special pains to secure only the very choicest Asters and feel sure nothing better in quality can be had at any price. Our stock of American varieties are grown under our own supervision, while the Imported sorts are procured from the most reliable sources.

Dreer's Superb Late Branching Aster

Dreer's Superb Late Branching Asters

The finest Aster for late August and September blooming.

The plants form strong, branching bushes, 2 to 2½ feet high, bearing on long, strong stems their handsome Chrysanthemum-like flowers, which, under ordinary cultivation, average 5 inches across. The form of the flowers, together with the length of the stems, places them at the head of Asters for cutting. They come into bloom from two to three weeks after the average type, usually being at their best during September.

	Trade pkt.	Oz.
Azure blue. A rich deep lavender	$0.25	$1.00
Pure White. Extra fine stock..	.25	1.00
Shell Pink. An exquisite shade.	.25	1.00
Rose Pink. A very desirable color	.25	1.00
Deep Rose. Rich and brilliant..	.25	1.00
Deep Purple. Royal deep blue..	.25	1.00
Lavender. A pale greyish-lavender	.25	1.00
Crimson. Very rich	.25	1.00
Finest Mixed. All the colors...	.25	.75

Crego's Giant Comet Asters

Magnificent fluffy flowers, averaging over 5 inches across, with long strong stems; the finest of this type. Comes into bloom in August, continuing well into September, and, unlike most of the Comet sorts, stands when cut and is a good flower to ship. We offer two colors, our own saving, of the highest quality.

	Trade pkt.	Oz.
Shell-pink	$0.40	$2.50
Snow-white	.40	2.50

Dreer's New Aster "Pink Beauty"

A magnificent cut-flower variety, in bloom from early August until well on in September; 24 to 30 inches high; flowers average 4 inches across, on long, strong stems. Color a delicate blush pink, and pronounced by experts to be the finest pink midseason sort yet introduced. 50c. per trade pkt., $4.00 per oz.

Late Aster "Violet King"

A new and distinct color in the Late Branching class, fine large double flowers of a pleasing shade of violet, a strong, free grower and very free flowering. 40c. per trade pkt., $2.00 per oz.

Early Wonder Asters

This is the earliest Aster in cultivation, being in full bloom when Queen of the Market is only in bud, frequently coming into bloom in late June. Very valuable for cutting.

	Trade pkt.	Oz.
White. Pure glistening white	$0.40	$2.00
Pink. A good, clear pink	.40	2.00

Dreer's New Late Aster "Crimson King"

A superb new late-branching variety, with perfectly double flowers of rich, rosy crimson, full of fire. Fine for cutting, showing up well under artificial light. 50c. per trade pkt., $3.00 per oz.

Queen of the Market Aster

Four Fine American Asters

Daybreak. Of symmetrical growth; attains a height of 18 inches, and produces during August, perfect globe-shaped flowers, of a delicate pink tint. 50c. per trade pkt., $2.50 per oz.

Lavender Gem. One of the most beautiful Asters. Of Comet type, with large artistic, loosely-arranged flowers of the most charming shade of lavender imaginable. 50c. per trade pkt., $2.50 per oz.

Snowdrift. A most valuable variety, coming into flower in July, with superb plumy snow-white flowers of the Ostrich-feather type. 50c. per trade pkt., $2.50 per oz.

White Fleece. One of the largest and most perfect of the Comet type, bearing flowers 5 inches and over across, formed into a plumy globe of glistening white. Blooms in August. 50c. per trade pkt., $2.50 per oz.

Imported Asters

QUEEN OF THE MARKET ASTERS.
The best and most popular early Aster.

	Trade pkt.	Oz.
White	$0.20	$0.60
Lavender	.20	.60
Pink	.20	.60
Bright rose	.20	.60
Purple	.20	.60
Crimson	.20	.60
Mixed	.15	.50

PAEONY PERFECTION ASTERS.
A splendid mid-season variety.

Crimson	.30	1.60
Light blue	.30	1.50
Brilliant rose	.30	1.50
Purple	.30	1.60
Bright pink	.30	1.50
Pure white	.30	1.60
Finest Mixed	.25	1.25

OSTRICH FEATHER ASTERS.
A mid-season type with large fluffy artistic flowers.

White	.30	1.50
Lavender	.30	1.50
Bright rose	.30	1.50
Salmon pink, extra fine	.30	1.50
Violet blue	.30	1.50
Vivid crimson	.30	1.50
Mixed	.30	1.25

HENRY A. DREER, Specialists in Seeds, Plants and Bulbs Philadelphia

Please mention the Exchange when writing.

Pacific Coast Notes

As everywhere, January and February are rather dull months for San Francisco florists, yet the general expression is that they have been better than they had hoped. California has had a cold spell for us. It is nineteen years since the thermometer marked as low a figure. At Santa Rosa on Feb. 4 it was 23° above, while even close to salt water on San Francisco Bay there were frosts, and in places the Callas, which are such a Winter feature there, were bitten, and Geraniums suffered a little.

There are many Orange trees in the open ground all about San Francisco Bay, with two regions quite north of San Francisco where they are grown commercially, and it seems rather odd, after reading Mr. Barnhart's account of the injury in southern California, to see that no tree seemed at all injured by frost. I saw Navels at Santa Rosa apparently untouched the morning that 23° above was reached. To florists, the cold snap meant a scarcity of flowers.

Rather a novelty in the market are the Sweet Peas grown under glass by the Holland Nursery of Elmhurst, on the east side of San Francisco Bay. They wholesale at $1.25 per dozen bunches and are very good. On Feb. 5 Daffodils from the open ground had become quite plentiful and sold at $1.25 to $1.50 per 100. About all are still the yellow Ard Righ. Later they will go as low as 25 cents per 100, and no buyers at that. Very few forced Tulips are to be seen. Flowering trees from the open have begun to appear and will soon be in profusion. About the best thing in green now are the Eucalyptus, in full flower and very plentiful. For funeral work the Mahonia and Galax are staples all through the Winter. Most of the Azaleas on the Coast are Japanese grown and rather poor, but the Japanese wholesale florists, Domoto Bros., imported and put on the market some really good Belgian stocks this Winter.

Quite a feature in January was the visit to San Francisco of the great Hamburg-American steamer Cleveland, which is carrying a great company of tourists on a trip around the world. It was said that the last berths sold at $3000 for the trip. The steamer came up the west coast of South America, and the tourists proved good flower buyers. John R. Sievers reports $280 as his part of the trade.

For many years Sievers & Boland, San Francisco, were headquarters for the best Carnations and Roses, for Sievers was a famous grower. Since the fire both members of the old firm are represented in the trade by sons, each of whom have very nice stores, the Mr. Boland at 60 Kearney st., and John R. Sievers at 201 Powell st., both in the heart of the new retail districts.

A very large part of the flowers are sold direct to the florists by the growers, yet the wholesale trade is represented by E. W. McLennan & Co., large growers at Burlingame, and the Domoto Bros. who are now established very centrally at Lick Place, hardly two blocks from the city's center.

I note present prices of Bride, Liberty and Killarney Roses are $1.50 per 100 for the best, and American Beauty $4 for best.

CARL PURDY.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

Exclusively a Trade Paper.

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Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

That Condensation Can be Stopped

Editor The Florists' Exchange:

I notice the letter of H. J., Md., in a recent issue. If he would use Asbestos Protected Metal, sample of which I herewith enclose, he no doubt would do away with all condensation. We would be glad to communicate with him.

ASBESTOS PROTECTED METAL CO.
New England Bldg., Cleveland, O.

Why Not Handle Seeds as Well?

This present issue furnishes clear and unmistakable evidence of the close business relationship already existing between the seedsman and the florist, and with this demonstration in full sight we wish to urge an undertaking which has often been on our mind and for mention of which we have been waiting just the favorable opportunity our novelty edition presents.

We have under notice the success of a certain firm of florists located less than thirty miles from this metropolis, which every Spring transacts a large and remunerative business in seed selling, customers driving up to this establishment often from ten miles away to make the purchases for their vegetable and flower garden.

Now, why do these people come to this florist firm instead of buying direct from any of the seed houses whose catalogs they probably receive? They could order direct from New York, or any other city, and have the seeds delivered at their door or at their local post office without bothering to harness up and lose from an hour to half a day of their time.

The solution is simple. They come to this particular firm not solely because they know it handles reliable seeds but because they can ask questions as to this or that variety best adapted to their particular needs and be sure of receiving intelligent answers; just as intelligent as they would receive from the clerk behind the counter of that seed store whose catalog they are buying from, with the added interest in their welfare which personal acquaintance only can impart.

What is done by this particular firm of local florists and growers can be taken up by hundreds of others in the trade similarly situated.

We would advise all who wish to add to their incomes, and who do not despise the day of small beginnings, to make a connection with one or more reputable seed houses, study their catalog thoroughly, so as to become familiar with types, qualities and season for each, and tack up a sign "Reliable Seeds Sold Here."

Some seedsmen may think we are advising florists to cut into their (the seedsman's) business, not so, for in a locality where was sold but one packet previously, there will soon be noted increasing demand; the influence of the florist with his knowledge of plant life will sell seeds where they never were sold before, and the contagion of prosperous kitchen garden and attractive flower border spreads in ever enlarging circles.

Nor will this be the only benefit to the florist. Customers who come for seeds will often buy flowers, and opportunities for planting, attending to gardens, with some occasional landscape work thrown in, will add sensibly to the returns to be had through a well conducted business.

Our Novelty Edition for 1910

Incorporated in this issue are thirty-two pages of the Novelties and Specialties offered by seedsmen, florists and others for the year 1910.

While this presentation is not as complete as we should like to have seen it, it will, we trust, be considered as fairly representative at this early stage of the idea.

Later, as the value of our annual Novelty Editions is better realized on the part of those most vitally concerned, we have no doubt whatsoever but that it will necessitate the use of many more pages than thirty-two to give space to the introductions it is desired to be listed.

The seed, the nursery and the florist industries are far more closely related than the unobservant man may possess an idea of. The publishers of The Florists' Exchange, understanding full well how the one may work into the other, have inaugurated this compilation for the purpose of drawing more general attention to the community of interests existing between all three.

Each particular one has all the world for its clientage, but hitherto the world of the seedsman and the world of the nurseryman has afforded greater scope than that of the florist; in other words, the business of the average florist is more local than that of his confrères.

There is no body of men more fitted, and no class better qualified to handle seeds than are the florists; there are any number of firms in this line so situated that they could take up the handling of seeds to their great financial advantage.

We have by no means reached the limit of seed selling, nor is the movement of nursery stock as large as it might well be; great as both these interests appear today, in all probability they do not amount to one tithe of the proportions they will assume twenty-five years from now; in fact, at that future date those who look back on today will feel that the business of 1910 was comparatively small indeed.

This is why we would like to see every florist take up the handling of seeds who can, thus placing himself in a position to profit by the undoubted augmentation of that particular business as it develops with the advancing years. And to encourage this development is one of our principal reasons for the present week's presentation.

The High Cost of Living

The Federal and Civil authorities, from President Taft and Secretary Wilson, down to Washington's most humble day laborer, are mutually interested in trying to solve the very knotty problem of the high cost of living, and if possible to reduce the scale of prices to an equitable wage-earning basis.

As the chief source of our supply comes directly from the soil, it would, naturally, suggest the kindly interest of our esteemed Secretary of Agriculture; and surely if a clear solution is obtained, coming through whomsoever's efforts it may, no greater benefaction could be bestowed upon the public at large. Three specific reasons have already been advanced, viz.: the increased cost of production; the increased population, and the abandonment of agricultural pursuits for those of the cities with higher wages and shorter hours. These conditions, which have been growing steadily worse for the past five years, seem now to have reached a sudden crisis, the awful abyss over which either the prices or those who pay them must drop, hence the investigation in Congress. First to take cognizance of the impending danger is the meat supply which, submissively and without argument, reduces its cost to the consumer from 5 to 10 cents per pound. Is not this significant? Then what about the staff of life coming from the agricultural kingdom? What of the vegetable producer? If he receives the allotted share for his labors, prices proportionate to those paid by the consumers of his various products, is it reasonable to say he would willingly give up such an occupation to seek the seclusion of city life with curtailed liberties?

In the early part of the present century when William Scott Carnations were so generally grown no complaint was made by the grower, either as to prices received, or the amount of necessaries obtainable therefrom. Take conditions today: Carnations have not only maintained their popularity, but have greatly increased in favor, surpassing all expectations of the older disseminators, yet the coal with which they are produced costs the small grower 200% more than formerly.

The cost of labor, building materials, and all accessories have increased, yet the grower receives practically the same prices for his output.

While our worthy President, Secretary of Agriculture, and other officials are conducting this important investigation, would it not be well to also look into the matter of our local welfare in the matter of increased taxation?

To be brief and cite an actual instance: In 1903 the realty tax, which for years had fluctuated between $25 and $50 a year, was raised to $110 without warning, and without a single improvement which might justify such an action.

Greenhouses, assessed as improvements on real estate, came under this general head, and were again assessed, in part or as a whole, as personal property. Our best wishes for success attend our most worthy officials; may they succeed in their efforts. JAS. L. CARBERY.

Cultivation of the Poinsettia

A Paper read before the Morris Co. (N. J.) Gardeners and Florists' Society, Madison, N. J., Feb. 9, 1910, by H. B. Vyse.

I have been asked by our worthy secretary to read a paper on the "Cultivation of the Poinsettia," but I must tell you I do not profess to be any great authority on this particular subject.

Doubtless you are aware that the Poinsettia is limited to a few varieties. I will not go into detail with regard to names as there are some I am not acquainted with, especially the more recent introductions. I will, therefore, turn my attention to the one most useful to the private gardener and also for commercial purposes, namely, Poinsettia pulcherrima. It is almost indispensable for Xmas decorations, and in my opinion every gardener should grow a few plants for that purpose. I will take this subject up from the resting period, and will endeavor to give you a brief outline of my method of cultivation, although it may differ perhaps from the usual course pursued by some growers. I may say, I have never resorted to the planting out system in benches, although I believe a good many are grown that way for cut flower purposes, so I will follow the pot culture. The resting period begins about the first week in January and lasts until the early part of May. The plants are cut back to within about 2 ft. from the pots and then are turned over on their sides, water being withheld all the time. I place them under the Carnation benches and there they remain until I start them in May. Then I usually place them under the Rose benches, as near the path as possible, that they can get all the light, giving them a good soaking with water, and syringing them overhead two or three times each day. In two or three weeks the first batch of cuttings can be procured.

I prefer cuttings about 2½ to 3 inches long, taken with a little old wood, or heel, as is the term often used by gardeners. There are other methods that can be resorted to, if the stock of old plants is limited. One is cutting up the old stems in the same manner you would make vine eyes; another way is by cutting up the stems into lengths, so that one eye is above the sand. It is advisable when taking cuttings to have close at hand a little powdered charcoal and dry sand, in which to insert the cuttings directly they are taken off, to stop the sap from flowing. Get the cuttings into the sand as quickly as possible, so as to avoid flagging; give a good watering and shade with some papers.

I find the Poinsettia very easy to root, and by making a succession of strikings one can have plants ranging from one foot to six feet in height.

Under favorable circumstances cuttings will be rooted in about three weeks; do not leave them in the sand, for the roots to become more than an inch long, otherwise they will in all probability get damaged when being potted. For the first potting prepare a fairly light compost, using a small quantity of sand, leaf, soil and loam, well mixed. Place the young plants in a shaded part of the house, and as soon as they are rooted sufficiently to stand the sun place them in the full sunlight. When ready, give them a shift into larger pots, making the compost heavier with loam and very little sand, just enough to keep the soil open. Pot firmly. By the early part of August the plants will take their final shift into 5 and 6-inch pots. I use all loam with a small quantity of bonemeal and Scotch soot well incorporated into the soil. When potting, use the rammer freely and pot firmly. In my opinion that has a tendency towards helping the plants to hold their foliage longer than if loosely potted. Always be very careful to ensure that they have plenty of water, for if left to get dry and flag in the hot sun the result will be a good crop of scorched foliage. Spray the plants overhead several times a day during bright weather.

Some have the idea that the Poinsettia needs high feeding. That I find is a mistake. Two applications of Clay's Fertilizer at intervals of two weeks is ample to finish off good bracts, say from 14 ins. to 19 ins. across in 5 and 6-inch pots.

The Poinsettia is not very susceptible to the ravages of insect pests, mealy bug being the worst enemy. Even that can be warded off if a careful watch is kept to to prevent them gaining any headway, by occasional sprayings of K. L., All Insecticide, or Aphine.

New Daisy Frau F. Sander

The firm of F. Sander & Sons of Bruges, Belgium, who introduced from Africa the very popular Daisy Queen Alexandra, and its two later varieties, Pink Queen Alexandra and Perfection, is promising another African Daisy, which they think will be one of their most popular importations, according to the description given in Moeller's Deutsche Gaertner-Zeitung. The flower of this novelty, which has been named Frau F. Sander, is double and pure white, without any yellow center, and very large, often 3½ ins. in diam. The plant grows easily and quickly and blooms profusely. A group of these Daisies, covered with their mass of flowers, is one of the loveliest pictures imaginable. Its season is a long one, and it will also flower in Winter. Its habit is compact, yet light, the leaves are very delicate, and the cut flowers will keep for four weeks. "There is hardly another plant that may be used for so many purposes as this Daisy. It is equally valuable for Summer bedding and borders, for pot culture, for window boxes or as a cut flower; in short, it is adapted to the most varied purposes, both in Summer or Winter. This double, large, snowwhite, profusely blooming and freely growing Daisy is without a rival."

Gladiolus Society Wanted

Editor The Florists' Exchange:

That Gladiolus grower who guessed that the variety known under the various names of "Rochester," "Gad," and later "Independence," was identical with Mrs. Francis King, and substituted it for that sort, builded worse than he knew. When shall we organize a Gladiolus society and compel introducers to have their novelties certified? Or, shall we wait until some enterprising member of the Legislature or of Congress secures a law which makes it a penal offense to send out one variety under the name of another. J. C. VAUGHAN.

American Grown Bulbs Satisfactory

Editor The Florists' Exchange:

Having seen several unfavorable criticisms in regard to Southern bulbs, we think it no more than justice to the growers to state our experience with them. We were induced by our commission man, Mr. Jno. W. McIntyre, Philadelphia, to buy ten thousand bulbs of Golden Spur from Poat Bros., Richmond, Va., and would say that the percentage of bloom, together with the prices obtained, made it a satisfactory venture. We were cut out before February 1.

RUTLEDGE NURSERIES.

Rutledge, Pa.

Editor Florists' Exchange:

Having recently noticed the statement of some prominent florist, published in one of the trade periodicals—I have forgotten both the name of the writer and the paper in which the statement was published—that bulbs grown in America produced flowers decidedly inferior to the bulbs purchased abroad, I desire to state that this is not always true. I purchased a small quantity of American grown Narcissus Empress last Fall for trial. They were given exactly the same treatment as foreign grown bulbs. I am now cutting flowers from both lots and the American grown bulbs are producing flowers decidedly superior to the foreign grown bulbs.

I. L. POWELL.

Millbrook, N. Y.

Of Interest to Flower Pot Manufacturers

Editor The Florists' Exchange:

Every florist has more or less trouble in keeping seed pans moist where the seed is so small (such as that of Ferns, Begonias, etc.) that it will not stand watering from overhead. I have been doing some experimenting and have invented an irrigating or self-watering flower pot in which the soil is kept moist for a long time; used as a seed pan it will take care of itself with the exception of filling the reservoir once or twice a week. This will work equally well for house plants, especially in Summer, when you have to keep going with the watering pot two or more times a day; with my pot, one filling would be plenty on the hottest Summer day.

I have applied for a patent on this and my application is accepted. As the entire pot or pan is made out of clay I would like to communicate with a pot manufacturer in order to make arrangements to put them on the market. WM. F. BEERBAUM.

Waterbury, Conn.

Budding Lilacs

Editor Florists' Exchange:

In your issue of February 19 budding Lilacs on California Privet is recommended. Why not graft at the collar, using the Privet as a stock, thus allowing the work to be done in Winter, a more leisurely time? I have had perfect success in this way, packing away the graft, the same as Apple graft, for early Spring planting. One advantage of my method is that at the end of one year the Lilac will have roots of its own above the point of union, and the Privet root may be cut away, leaving the Lilac on its own root. Another and more important reason is that the California Privet is not hardy here. I have had hundreds of Japan Tree Lilac budded on California Privet, as low down as the budding could be done, killed by the cold Winter

We have had a long, cold Winter, though at no time the intense cold we sometimes have, and yet I noticed a month ago that two-year-old California Privet in the nursery rows were killed to the ground. Amoor River, Ibota and regelianum Privets in the same soil and exposure are green and fresh to the very tips. Spiræa Van Houttei and Berberis Thunbergii are alike uninjured. Either, in my opinion, make a more desirable ornamental hedge than any Privet. I fear for the May showing of the millions of California Privet planted in the Central West, as well as for the sale of the few thousand plants I now have in storage.

E. Y. TEAS.

Centerville, Ind.

Hardiness of Chamaerops Excelsa

Editor The Florists' Exchange:

The illustration shown herewith is that of a plant of Chamærops excelsa growing on the lawn of my little place. I thought it might interest some readers of the EXCHANGE; a part of its story will at least interest Mr. Meehan, namely, that relating to the hardiness of this Palm. This Winter has been a very severe one in California, one of the hardest ever known, the temperature dropping to 7° above zero in some places in Grass Valley. The lowest I have any record of on my place is 10° above. The picture was taken about three weeks after the record cold spell. The white spots you will notice on the grass is snow. A few years ago the EXCHANGE had a note from Mr. Meehan on the hardiness of this plant. I send this record of experience in the hope that it may help the planting of one of the beautiful things of Nature.

Grass Valley, Cal. ABE CLEMO.

Chamærops excelsa at Grass Valley, Cal.

Dahlia Lists

Editor The Florists' Exchange:

I have read with great interest the articles appearing in your issue of Feb. 12, written by W. W. Wilmore and W. F. Bassett, in discussing the present long list of named varieties of Dahlias.

In my opinion, we are approaching a time when we need an American Dahlia Society, run on the same principle as the American Carnation Society or the American Rose Society. Through this Society each new variety of Dahlias could be carefully judged before it is put on the market, and we could prevent the introduction and selling of worthless new varieties.

Through an American Dahlia Society we could work together in harmony and improve our collections as we may see fit without running the risk of throwing away money for useless novelties.

The Society could have a monthly report printed and distributed to all its members, and every member could help to make this report a very valuable one to the Dahlia experts of this country. In this way I think the question of how to cut out worthless varieties and make the list shorter and more valuable would gradually solve itself.

Our collection of Dahlias was carefully selected and exhibited here at the Alaska-Yukon-Pacific Exposition by fourteen different Dahlia experts, from all parts of the globe, and ought to be the finest collection obtainable. Still, we will have to improve our collection with new varieties and discard old ones as they become of age, which means a large continuous expense. If we were members of an American society of Dahlia specialists and keep each other posted on the various items of interest to the Dahlia expert we could not only save a large portion of this continuous expense, but it would make our work easier and more valuable.

Seattle, Wash. ERNEST G. BENSON.

Society of American Florists

Registration of Begonia

Public notice is hereby given that J. A. Peterson of Westwood, Cincinnati, Ohio, offers for registration the Begonia described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

RAISER'S DESCRIPTION.—Parentage, Socotrana × a sport of Lorraine type; foliage large, round, resembling foliage of B. Socotrana, but smaller; height 1 to 1½ ft.; color, deep soft satiny pink; the individual flowers are about 2 inches across; flowering period from October to April, being at its best during the latter part of December; propagation by leaf-cuttings, or by splitting up the foliage, as with the Rex varieties; soil, a light sandy loam and leaf-mold, with a little well-rotted cow manure. Its lasting quality is especially recommended.

NAME.—Glory of Cincinnati.

Corrections

The name, "Alice of Ingleside," was omitted from the registration, on January 12, 1910, of the Rose offered by Mr. Southwick Cary Briggs of Washington, D. C.

In the change of registration on January 20, 1910, by S. Cockburn & Sons of Woodlawn, New York, the name of the Chrysanthemum should have been "Mrs. Jane Cockburn" instead of "Mrs. Jane Cochran."

H. B. DORNER, Secretary.

February 17, 1910.

Obituary

Roger Austin Swetland Dildine

William H. Dildine, superintendent of James Vick's Sons, seedsmen of Rochester, N. Y., has been bereft of his little son, Roger Austin Swetland, aged three years, two months and five days, who passed away on the 8th inst. The boy was a particularly winsome little fellow and his loss is severely felt.

Joseph B. Fuller

In the death of Joseph B. Fuller of Rochester, N. Y., on February 16, the seed trade has lost one of its oldest and most esteemed representatives.

Mr. Fuller was born in Brooklyn, N. Y., October 31, 1827. When he was only three years old his family moved to Rochester, coming by the Erie Canal and stopping on their arrival at the old Rochester House, corner of Exchange and Spring sts. At the age of 14 he was apprenticed to the late Henry O'Reilly to learn the printer's trade. Later he was with the Genesee Farmer, published by the late James Vick and edited by the late Patrick Barry. Being for years in close relationship with Mr. Vick in the printing office, and the two being drawn together by a mutual love of flowers, he was easily persuaded to engage in the seed business. In 1863 he entered the employ of Mr. Vick, and continued almost uninterruptedly with the Vick firm from that time until failing health about a year ago necessitated his giving up active work.

Mr. Fuller's influence in the development of the business was scarcely second to that of Mr. Vick. His whole life was bound up in the work and his energy devoted to it. For years he had pursued the study of botany, and his extensive knowledge of plants was of great advantage. His knowledge of stocks was extensive and thorough; his judgment and accuracy were without equal; and his honesty unimpeachable. To his perfect integrity and absolute reliability the success of the Vick seed business was in no small degree due. He was a thorough seedsman, far-seeing, conscientious and accurate.

During a trip to Europe, in 1888, Mr. Fuller was invited by Messrs. Carter, Dunnett and Beale to inspect their trials of Peas. Of one particular variety his opinion was asked as to its quality. His reply was "It's a Daisy." This bit of American slang evidently impressed the famous English seedsmen, for a few years later the variety was introduced as "Carter's Daisy," and fully justified Mr. Fuller's opinion of its good qualities. His genial manner made him hosts of friends in the trade. Many a long chat, over cigars, did he and the veteran seedsman William Meggatt have in the old Vick Seed House on East avenue, in the eighties.

Mr. Fuller's geniality was one of his most prominent characteristics. He had a good story apropos to every occasion. His reminiscences of the early days of Rochester, and of the volunteer fire department of which he was a member, were particularly enjoyable. He was a member of Valley Lodge, No. 109, F. and A. M. since 1853, and Hamilton Chapter, No. 62, R. A. M. He was also a member of the Rochester Academy of Science, giving devoted attention to the work of the Botanical Section of this Society. In 1896, when the Academy published a list of the plants of Monroe County, it was difficult to find a compositor sufficiently familiar with botanical terms to set up the list in a satisfactory manner. Mr. Fuller came to the rescue, and, though it was years since he had stood at the case, he set all the type for this work of more than 150 pages, a remarkable achievement for a man of his years, as well as from a typographical standpoint. He was the supreme authority on all botanical questions, and nowhere will his loss be more felt than in the Botanical Section. With his fellow workers in the seed business he was always pleasant, kind, patient and forbearing, with the old-time courtesy of manner so seldom seen now-a-days. In his death they feel that "a good man has fallen."

THE AMERICAN ROSE SOCIETY

Schedule of Premiums for the Spring Exhibition of 1910, to be held in conjunction with the Spring Exhibition of the Horticultural Society of New York, in the American Museum of Natural History, 77th Street and Central Park West, New York City, March 16, 17, 18

Division A—Pot Roses.

Class.
1. Best display of hardy Roses in bloom. All types and classes of Roses suitable for outdoor planting may be exhibited in this class. First prize $100, offered by Hon. Philip Breitmeyer, Detroit, Mich.
2. Collection of Teas and Hybrid Teas in not less than 5 in. pots, 25 plants; first prize $25, offered by John N. May, Summit, N. J.; second prize $15.
3. Collection of Wichuraiana Hybrids, 6 in. pots or over, not less than 25 plants; first prize $25, offered by The F. R. Pierson Co., Tarrytown, N. Y.; second prize $15.
4. Collection of Hybrid Perpetuals, 6 in. pots or over, not less than 25 plants; first prize $25, offered by Welch Bros., Boston, Mass.; second prize $15.
5. Six climbing Roses, in not less than 7 in. pots; first prize $12; second prize $8.
6. Six Roses, not climbing, in not less than 7 in. pots; first prize $12; second prize $8.
7. Twelve Baby Ramblers, any variety, in not less than 4 in. pots; first prize $6; second prize $3.
8. Specimen in pot or tub, not climber; first prize $5; second prize $3.
9. Specimen Crimson Rambler in pot or tub; first prize $10; second prize $5.
10. Specimen Lady Gay in pot or tub; first prize $10; second prize $5.
11. Specimen Hiawatha in pot or tub; first prize $10; second prize $5.
12. Specimen Newport Fairy in pot or tub; first prize $10; second prize $5.
13. Specimen Dorothy Perkins in pot or tub; first prize $10; second prize $5.
14. Specimen Tausendschon in pot or tub; first prize $10; second prize $5.
15. Best collection of Hybrid Wichuralana novelties, not disseminated, five or more plants, in pots or tubs. Prize $25, offered by Ellwanger & Barry, Rochester, N. Y. The best variety in this collection may receive the Society's silver medal; second best a bronze medal, if considered worthy.

Note. All plants in these classes to be correctly labeled. No exhibit will be awarded a prize unless in the opinion of the judges the same shall be deemed worthy.

Division B.—Teas and Hybrid Teas. Twenty-five Cut Blooms. Open to All.

Class.
107. For the best American Beauty, stems not less than four feet or more than six feet; first prize $15, offered by Arthur T. Boddington, New York City; second prize $10.

In classes 108 to 129 the Prizes are, in each class, first prize $10, second prize $5. The varieties are as follows:

Class.
108. Bride. First prize offered by A. H. Langjahr, New York City.
109. Bridesmaid.
110. Kaiserin Augusta Victoria.
111. Cardinal.
112. Rhea Reid.
113. My Maryland. First prize offered by L. B. Coddington, Murray Hill, N. J.
114. Mrs. Jardine.
115. Souv. du President Carnot.
116. Perle des Jardins
117. Bon Silene.
118. Golden Gate.
119. Mme. Abel Chatenay.
120. Mrs. Oliver Ames.
121. Ivory.
122. Liberty.
123. Sunrise.
124. Wellesley.
125. Killarney. First prize offered by Walter F. Sheridan, New York City.
126. White Killarney.
127. Richmond. First prize offered by Wm. C. Badgley, Chatham, N. J.
128. Uncle John.
129. Any other named disseminated variety.

Note. Any variety not named above may be shown in Division B, and first and second prizes may be awarded to each variety shown, at the discretion of the Judges. Entries are unlimited.

130. For the largest and best collection of Teas and Hybrid Teas, 6 or more varieties, not less than twelve flowers of a kind; first prize $30, offered by Robert Simpson, Clifton, N. J.; second prize $20.

Division C.—Twelve Cut Blooms. Open to Private Gardeners and Amateurs Only.

131. American Beauty, stems not less than four feet or more than six feet; first prize $8; second prize $5.

In classes 150 to 170 the prizes are, in each class, first prize $4; second prize $2, and the varieties are:

Class.
150. Bride.
151. Bridesmaid.
152. Kaiserin Augusta Victoria.
153. Mrs. Piermont Morgan.

Class.
154. Souv. du President Carnot.
155. Perle des Jardins.
156. Bon Silene.
157. Mrs. Oliver Ames.
158. Ivory.
159. Safrano.
160. Golden Gate.
161. Mme. Abel Chatenay.
162. Liberty.
163. Sunrise.
164. Mrs. Jardine.
165. Cardinal.
166. Rhea Reid.
167. My Maryland.
168. Marechal Neil.
169. Any other named disseminated variety.

Note. Any variety not named above may be shown in Division C, and first and second prizes may be awarded, at the discretion of the Judges. Entries are unlimited.

170. For the best and largest collection of Teas and Hybrid Teas, six of a kind; first prize $12; second prize $6.

Division D.—Hybrid Perpetuals. Stems not less than twelve inches.

Open to all. Prizes are, first $25, second $15.

171. For the largest and best collection, not less than twelve varieties, or less than three of a kind.

Division E.—Hybrid Perpetuals. Stems not less than twelve inches.

Open to private gardeners and amateurs only. Prizes are first $10, second $5.

172. For the largest and best collection, not less than six varieties or less than three of a kind.

SPECIAL PRIZES.
Division F.

173. The Dorrance challenge prize for the largest and best display of cut Roses; offered by Benjamin Dorrance, Dorranceton, Pa.
174. For the best 50 White, Killarney, $25 offered by Poehlmann Bros. Co., Morton Grove, Ill.
175. For the best 50 My Maryland, $25 offered by Poehlmann Bros. Co., Morton Grove, Ill.
176. For the best 50 Killarney, a silver cup, value $25, offered by Henry F. Michell Co., 1018 Market st., Philadelphia, Pa.
177. For the best 50 blooms White Killarney, a silver cup, value $25, offered by The Waban Rose Conservatories, Natick, Mass.
178. For the best new Rose, American origin, of 1909 and 1910, silver cup, value $25, offered by Alexander Montgomery, Natick, Mass.
179. For the prettiest exhibit of Roses in the exhibition, to be decided by the ladies' vote, $10 gold piece offered by Miss Marion I. Hammond, Fishkill-on-Hudson, N. Y.
180. For the best 50 American Beauty, $25 offered by John I. Raynor, New York City.
181. For the best 50 Killarney, $25 offered by Henshaw & Fenrich, New York City.
182. For the best 50 My Maryland, $25 offered by Pennock-Meehan Co., Philadelphia, Pa.
183. For the best 50 Richmond, $25 offered by H. E. Froment, New York City.
184. For the best 50 Bridesmaid, $25 offered by William F. Kasting Co., Buffalo, N. Y.
185. For the best 50 Mme. Abel Chatenay, $25 offered by Traendly & Schenck, New York City.
186. For the best 50 The Bride, $25 offered by the King Construction Co., No. Tonawanda, N. Y.
187. For the best 50 Mrs. Jardine, $25 offered by Robert Scott & Son, Sharon Hill, Pa.
188. For the best 50 American Beauty, $25 offered by J. A. Budlong Sons Co., Providence, R. I.
189. For the best 36 My Maryland, $15 offered by John Cook, Baltimore, Md.
190. For the best 6 Roses, American Beauty excepted, two to be white and four to be red, pink or yellow. This means that the number of varieties must be at least two and may be as many as six; and that two Roses, and only two, are to be of any white, or near white, variety, the other four of any colored variety, except Am. Beauty. Length of stem is limited to only one joint. Solid silver cup, offered by Moore, Hentz & Nash, New York City.
191. For the best vase of Roses, not less than 25 or more than 50 blooms, one or more varieties, arranged for effect, accessories in other flowers, foliage and also ribbons allowed. Exhibitors may supply their own vases. First prize $15, second prize $10, offered by Peter Henderson & Co., New York City.
192. For the best plant in bloom of the Rose American Pillar, $4 offered by The Conard & Jones Co., West Grove, Pa.
193. For the best 6 Cut Sprays of the Rose American Pillar, $4 offered by The Conard & Jones Co.
194. For the best 6 plants in bloom of the Rose Harry Kirk; first prize $5, offered by Henry A. Dreer, Philadelphia, Pa.; second prize $3.
195. For the best plant in bloom of the Rose Charles Dingee; first prize $4, offered by The Dingee & Conard Co.; second prize $2.
196. For the best 6 blooms of Rose Charles Dingee; first prize $4; 2d, $2.
197. For the best 25 Richmond; first prize $10; second prize $5; offered by Stumpp & Walter Co., New York City. Open to private gardeners only.
198. For 50 blooms of Rhea Reid, first prize $25, offered by the E. G. Hill Co., Richmond, Ind.

For the best vase of cut blooms showing the highest score, the Lord & Burnham Co., gold medal, value $25, offered by the Lord & Burnham Co., Irvington, N. Y. This award to be in addition to any other premium the exhibit may have secured.

The Society of American Florists' silver medal may be awarded for the best grown Rose plant, or group of plant, should there be an exhibit of sufficient merit.

For the most artistically arranged vase on exhibition, first prize The Toronto Horticultural Society's silver medal; second prize the same Society's bronze medal. This award to be made before any other judging is done. Entries in Class 192 will be debarred.

NOTE: In classes, 2, 3, 4, 107, 108, 113, 125, 127, and 130, the second prizes are offered by the American Rose Society.

A Big Cup for Six Roses

One of the prizes to be offered at the Spring Show in New York of the American Rose Society is a $50 solid silver cup. It is for the best display of *six Roses*. The donors are the New York firm of Moore, Hentz & Nash. This award is unique, because it is a generous one for a small exhibit—an exhibit so small that a grower with the smallest establishment will have his chance to compete. The restrictions are unusually few; excepting American Beauty, any Rose of any variety is eligible. To illustrate: one man may show two white and four pink Killarneys. Another man's six may comprise six varieties, say one Bride, one Cornelia Cook, one Perle, one Golden Gate, one Richmond and one Souvenir d'Un Ami. Another six may be all Hybrids; perfectly proper, so long as two are white ones, or near-whites, and the rest colored kinds. Bon Silene and Niphetos in one exhibit may find themselves pitted against Ulrich Brunner and Merveille de Lyon in another. The judges will recognize each variety and judge each flower on its own merits. The entertainment is for the visitor and not for the judges.

The donors seek to add variety and interest to the show as a whole, by introducing a new department devoted to *assemblage* of various kinds and various colors in each six. They hope to see a number of exhibits in this section of the show; and because of the assured diversity of colors and of the freedom allowed as to sorts, there should be every reason to expect a display affording entertaining contrasts both in the exhibits and between them. In this way the more scientific arrangements of all the other exhibits will have an offset to their large and solid masses of uniform and standard colors in the picturesque and diverse mass of kinds entered for this one of the several cups. The good grower in a small place has here a chance against the large grower, and it is hoped that all good growers will bring sixes.

Here will be a medley of specimens in contrast to the uniformity which is the feature of the rest of the show. It is intended to excite comment, to afford pleasure and instruction and to produce a small "War of the Roses." The exact specification for this exhibit will be found in the official Schedule of Premiums of the American Rose Society for 1910, Division F, Class 190.

The Verbena

It is curious to note that this flower does not hold anything like the position it did some 40 years ago in this country; at that time, Verbenas were a craze, particularly for exhibition work. Henry Eckford was one of the foremost raisers, and his seedlings were very much stronger and healthier than the stocks existing prior to his taking them up. This was due to the fact that he treated them more rationally, not coddling them under glass year in and year out. They went out of fashion, however, and some nine or ten years ago, the old Sweet Pea raiser and I had a long chat about Verbenas; Mr. Eckford expressed the view that Verbenas fell out partly through a change in the styles of bedding, and also because people got tired of tending to the delicate named sorts when very good strains could be raised from seed. Another old florist, now dead and gone, assured me that the finest Verbena in commerce, named or unnamed, in the year 1900, was veriest rubbish compared with the named sorts he grew some 30 years before, and some notes and prints I have by me tend to make me believe such was the case.

Henry Eckford was of much the same view and he also expressed a doubt as to there being one of the old Verbenas left, a fact that caused him some regret.

I feel sure that this view was correct as far as this country was concerned, but several years ago, Mr. Dillon of Bloomsburg sent me his list, and if I remember rightly I therein found several old sorts which were referred to by writers in the antiquated notes I have by me. The statement by L. H. D. that Mr. Dillon had for more than 30 years specialized in Verbenas serves to make it pretty certain that some of the old English florists' Verbenas still survive in America, and it is a matter of regret to me that I was not aware of this some ten years ago.

Named Verbenas are, however, gaining ground in this country for, in recent years, several fine colored sorts have been sent out. They are mostly cultivated in pots, however. H. B. May & Sons, the great Fern growers of Edmonton, are large cultivators of the pot Verbena for market work. Despite this, it is doubtful whether this flower will ever attain the popularity of the past. There are so many rivals, many of which require but little Winter attention, and further the average gardener is content to grow Verbenas from seed because he is assured that seedlings are healthier than propagated stock.

T. A. W.

A. N. PIERSON, Inc. CROMWELL CONN.

ROSES

WHITE KILLARNEY

(Waban Strain)

White Killarney has most successfully advertised itself. Like its parent, the Pink Killarney, it has become one of the most popular Roses grown today. As an all the year round white it has no equal. It has proved all that its best friends ever claimed for it, both in quality and productiveness. It was a standard from the first.

Grafted Stock: $2.00 per doz., $15.00 per 100, $120.00 per 1000.

Own Root Stock: $1.50 per doz., $8.00 per 100, $75.00 per 1000.

MY MARYLAND

Among the newer varieties of Roses there is none more worthy of consideration than this. The pleasing shade of pink which attracts the patrons of the retailer and its wonderfully productive ability make it a general favorite. As a commercial proposition My Maryland has made good.

Grafted Stock: $2.00 per doz., $15.00 per 100, $120.00 per 1000.

KILLARNEY

The finest pink Rose grown today, for commercial purposes.

Grafted Stock: 2¼-inch pots, 20c. each, $2.00 per doz., $15.00 per 100, $120.00 per 1000.

Own Root Stock: 2½-inch pots, $1.00 per doz., $5.00 per 100, $45.00 per 1000.

STANDARD VARIETIES

Betty, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Marechal Neil, Mme. Abel Chatenay, Mme. Hoste, Mrs. Jardine, Mrs. Pierpont Morgan, Papa Gontier, Queen Beatrice, Rhea Reid, Rosalind Orr English, Richmond, Souvenir de Wootton, Uncle John, Wellesley.

Grafted Stock (Selected Plants)

Each 20c., $2.00 per doz., $15.00 per 100, $120.00 per 1000.

Special prices will be quoted on 5000 or more.

Own Root Roses

We have to offer an exceptionally fine lot of early propagated Own Root Roses in the leading commercial varieties and this stock we can guarantee to be clean, healthy and in vigorous growing condition when shipped.

Killarney	**Uncle John**
Bride	**Kaiserin Augusta Victoria**
Bridesmaid	**Richmond**
Ivory	**Mme. Abel Chatenay**
Golden Gate	

2-inch: 75c. per doz., $4.00 per 100, $35.00 per 1000.

2½-inch: $1.00 per doz., $5.00 per 100, $45.00 per 1000.

3-inch: $1.50 per doz., $7.00 per 100, $60.00 per 1000.

Special prices will be quoted on 5000 or more.

American Beauty

Own Root Stock: From 2½-inch pots: $8.00 per 100, $75.00 per 1000. 3-inch pots: $12.00 per 100, $100.00 per 1000.

Special prices will be quoted and plants grown to order when 4-inch or larger sizes are wanted.

Chrysanthemums

Our list of Chrysanthemums is made up of the best of the older Standard Commercial Varieties, and of the recent introductions. We have selected for our use only such varieties as are of the highest Commercial value.

NEWER VARIETIES

For immediate delivery.

Gloria	**Patty**
President Taft	**Dolly Dimple**
Mrs. W. E. Kelley	**Merry Jane**

Rooted Cuttings: $1.50 per doz., $8.00 per 100, $75.00 per 1000.

Plants from 2¼-inch pots: $1.50 per doz., $10.00 per 100, $90.00 per 1000.

CHOICE VARIETIES

Virginia Poehlmann **Golden Chadwick** **Golden Eagle**

Rooted Cuttings: 75c. per doz., $4.00 per 100, $30.00 per 1000.

Plants from 2¼-inch pots: 75c. per doz., $5.00 per 100, $40.00 per 1000.

STANDARD VARIETIES

The following list we believe to be the best list of Standard Commercial Varieties ever offered to the Trade.

WHITE

Early. George S. Kalb, Polly Rose, Early Snow, October Frost, Ivory, Clementine Touset.
Mid-Season. Mrs. Clay Frick, Mrs. H. Robinson, Beatrice May, Alice Byron, Miss Minnie Wanamaker, White Cloud.
Late. Mrs. McArthur, Timothy Eaton, W. H. Chadwick, J. Nonin, Moneymaker.

PINK

Early. Glory of the Pacific, Rosiere, Pacific Supreme.
Mid-Season. Pink Ivory, J. K. Shaw, A. J. Balfour, William H. Duckham, Morton F. Plant.
Late. Maud Dean, Mayor Weaver, Dr. Enguehard.

YELLOW

Early. Monrovia, Golden Glow, Crocus, Comoleta.
Mid-Season. G. Pitcher, Col. D. Appleton, Mrs. Wm. Duckham.
Late. Major Bonnaffon, H. W. Reiman, Yellow Eaton, Mrs. E. D. Smith, Nagoya.

RED

Cullingfordi. Merstham red.

Rooted Cuttings: 5c. each, 50c. per doz., $2.00 per 100, $15.00 per 1000.
From 2¼-inch pots: 5c. each, 50c. per doz., $3.00 per 100, $25.00 per 1000.

To aid in avoiding misunderstandings, customers, in ordering, will observe the following rules:
Four varieties may be used in making up one dozen.
Four varieties may be used in making up one hundred.
Five varieties may be used in making up 250, and 250 will be sold at the 1000 rate; this rule applies to grafted and own root Roses and Chrysanthemums.

POMPONS

The Pompon Chrysanthemum for cut sprays has been in great demand, and the demand is bound to increase. We are ready to help you meet the demand, by supplying you stock of the best varieties.

Baby Margaret

We have a large stock of this dainty white Pompon, and no mistake is made in planting this variety where white Pompons are in demand.
Plants from 2-inch pots: $1.00 per doz., $4.00 per 100, $35.00 per 1000.

Pompon Anemone

Garza. The well-known white variety; considered the best variety in its class.
From 2-inch pots: 5c. each, 50c. per doz., $3.00 per 100, $25.00 per 1000.

Standard Pompons

WHITE	PINK	YELLOW
Lula	**Eleganta**	**Baby**
Queen of Whites	**Alma**	**Klondike**
Nio	**Alena**	**Quinola**
Magnificus	**Acto**	**Zenobia**
Jas. Boone		**Sunshine**
		Lodi
		Savannah

From 2-inch pots: 5c. each, 50c. per doz., $3.00 per 100, $25.00 per 1000.

Bedding Plants

When in want of Bedding Plants we are in the market to supply them. No order will be too large for us to fill if given in season and we can guarantee the stock to be satisfactory.

COLEUS

Verschaffeltii	**Lord Palmerston**
Fire Brand	**Queen Victoria**
Golden Queen	**Beckwith's Gem**

Rooted Cuttings by express. 75c per 100, $6.00 per 1000. Out of 2¼-inch pots, in May: $2.50 per 100, $20.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

Golden Bedder	**Messey.** Dwarf.
Hero	**Pearl of Orange**

Rooted Cuttings by express: $1.00 per 100, $7.50 per 1000. Out of 2¼-inch pots: $2.50 per 100, $20.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

Fancy Varieties. A very fine assortment of twelve kinds not listed above.
Rooted Cuttings: $1.00 per 100, $7.50 per 1000. Out of 2¼-inch pots: $2.50 per 100, $20.00 per 1000.
Fancy Varieties, either rooted cuttings or plants from 2¼-inch pots, our selection, 250 at the 1000 rate.

Miscellaneous Plants

Ageratum

Stella Gurney. Dwarf blue. 75c. per 100, $6.00 per 1000.
Princess Pauline. A combination of blue and white in same flower. 75c. per 100, $6.00 per 1000.

Salvia

S. splendens. Tall standard, one of the best. Rooted cuttings, 75c. per 100, $6.00 per 1000.
S. Bonfire. Medium dwarf, very good. Rooted cuttings, 75c. per 100, $6.00 per 1000.
S. Zurich. Dwarf; an excellent variety. Rooted cuttings, 75c. per 100, $6.00 per 1000.
S. Schenley. Medium dwarf; very highly colored. One of the best. Rooted cuttings, 75c. per 100, $6.00 per 1000.

Salvia of these varieties from 2¼-inch pots, April and later delivery, $2.50 per 100, $20.00 per 1000.
250 of a variety or in assortment as ordered at the 1000 rate.

German Ivy

Rooted Cuttings: 75c. per 100, $6.00 per 1000. From 2½-inch pots, $2.50 per 100.

Stevia

The dwarf variety only, this being the most profitable for commercial uses. Rooted cuttings, February and later, 75c. per 100. From 2-inch pots, $2.50 per 100.

Heliotrope

Dark Blue Variety. Rooted cuttings, 75c. per 100, $6.00 per 1000. From 2¼-inch pots, $2.50 per 100, $20.00 per 1000. 250 either plants or cuttings at the 1000 rate.

Smilax

2½-inch pots, $2.50 per 100, $20.00 per 1000.

Gardenias

2¼-inch pots, $7.00 per 100; 3-inch pots, $12.00 per 100.
Prices on larger sizes will be quoted on application.

Swainsona

Rooted Cuttings: $2.00 per 100. From 2¼-inch pots, $3.00 per 100.

Boddington's Quality Sweet Peas

Remember you may deduct 5 per cent. if cash accompanies the order

25c. per lb.; 10c. Per ¼ lb.; 5c. per oz.

Agnes Johnstone. Soft light pink.....
Apple Blossom. Rose and white.....
Bolton's Pink. Orange-pink.....
Blanche Ferry. "Extra early," rose and white.
Black Knight. Maroon.....
Dainty. Light pink.....
Duke of Westminster. Blue and purple.....
Dorothy Eckford. Pure white.....
Earliest of All. Pink and white.....
Emily Henderson. Pure white.....
Evelyn Byatt. Orange-pink.....
Emily Eckford. Mauve and blue.....
Flora Norton. Blue and purple.....
Honorable Mrs. E. Kenyon. Pale yellow..
Jeannie Gordon. Light pink.....
Janet Scott. Pale yellow or primrose.....
Katherine Tracy. Pink shades.....
King Edward VII. Crimson-scarlet.....
Lovely. Light pink.....
Lady Grisel Hamilton. Lavender and mauve.
Lottie Eckford. Lavender and mauve, picotee edged .....
Lord Nelson. Violet and indigo.....
Mont Blanc. Pure white.....
Miss Willmott. Orange-pink.....
Mrs. Walter Wright. Mauve and blue....
Mrs. Geo. Higginson, Jr. Lavender and mauve .....
Mrs. Collier. Pale yellow.....
Navy Blue. Violet and indigo.....
Othello. Maroon .....
Prima Donna. Pink.....
Queen Alexandra. Crimson-scarlet.....
Queen of Spain. Light pink.....
Queen Victoria. Pale yellow or primrose...
Romolo Piozzanni. Mauve and blue.....
Salopian. Crimson-scarlet .....
Stella Morse. Light pink and primrose....
Shazada. Maroon .....
Shasta. Pure white.....
Sadie Burpee. Pure white.....
White Wonder (double). pure white.....

Black Michael. Maroon, lb. 35c., ¼ lb. 15c., oz. 10c.
Earliest Sunbeams. Pale yellow or primrose, lb. 40c., ¼ lb. 15c., oz. 10c.

Duke of Sutherland. Maroon.....
***Gladys Unwin.** Light pink.....
Helen Pierce. Violet, feathered white.....
Henry Eckford. Salmon-orange.....
***Her Majesty.** Rose-crimson.....
***Mrs. Alfred Watkins.** Light pink.....
***Nora Unwin.** Pure white.....
***Paradise.** Light pink.....
Phenomenal. Lavender and mauve, picotee edged .....
***Primrose Spencer.** Pale yellow or primrose .....
— 50c. per lb.; 15c. per ¼ lb.; 10c. per oz.

***Countess of Spencer Hybrids Mixed.** Mixed .....
***E. J. Castle.** Rose-crimson.....
***Frank Dolby.** Lavender and mauve.....
***Phyllis Unwin.** Deep rosy carmine, self..
— 75c per lb. 25c. per ¼ lb. 10c per oz.

***Countess of Spencer** (true stock). Light pink .....
†**Christmas Pink** (Boddington's). Pink and white .....
†**Christmas White** (Boddington's). Pure white .....
†**Florence Denzer.** Pure white.....
— $1.00 per lb. 40c per ¼ lb.; 10c per oz.

Earliest White. Pure white, lb. $1.25, ¼ lb. 40c., oz. 10c.....

***Enchantress.** Light pink.....
***Florence Morse Spencer.** Pink shades...
***George Herbert.** Almost self-carmine.....
***Helen Lewis.** Orange-pink.....
***John Ingman.** Rose and white.....
***Prince Olaf.** Striped and mottled blue, white ground .....
***White Spencer.** Pure white.....
— $1.50 per lb.; 40c. per ¼ lb.; 15c. per oz.

	Per lb	¼lb.	Oz.
†**Watchung.** Pure white.....	$1.75	$0.50	$0.20
†**Snow Bird** (Boddington's). Pure white	2.00	.75	.20
†**Canary.** Pale yellow or primrose.	2.50	1.00	.30
†**Flamingo.** Rose-crimson	5.00	1.50	.50

Those marked with a * are Countess of Spencer or Unwin types.
Those marked † are winter flowering.

NOVELTY SPENCER, or ORCHID-FLOWERING SWEET PEAS

George Stark F. F. C. and Silver Medal, 1908, England National Sweet Pea Society's Trials, Reading; F. F. C., Wolverhampton; F. F. C., Norwich. This variety is the finest scarlet pea yet in commerce. The flower is bold and has extraordinary substance. The standard is nicely waved and upright, but owing to the thickness of the petal is not so crinkled as some of the Spencers. Both for exhibition and decorative purposes it is good, also stands the sun perfectly. **Pkt. 20c., 6 for $1.**

Marie Corelli The large flowers are brilliant rose-carmine or red, uniformly of true Spencer form. The wings are a pure, rich rose-carmine, while the standard shows a tint of cherry red. The whole effect is that of a brilliant crimson, clear, distinct and most beautiful. The standard is large, round and wavy; the wings are full and inclined to remain boldly outright instead of drooping. The long strong stems usually bear four flowers each. **Pkt. 20c., 6 for $1.**

Senator Spencer Although this variety belongs in the darker colored class, the lighter background gives a mass of the blooms a sort of heliotrope tint, which is very pleasing. The color is a varying combination of deep claret and chocolate, striped and flaked on a ground of light heliotrope.

SENATOR SPENCER is of the true Spencer form, wavy edges on both standard and wings; large, round, fluffy standard, long drooping wings. Both standard and wings are marked with the same colors and in the same way, with a trifle more of the wine shading in the wings. **Pkt. 20c., 6 for $1.**

Miriam Beaver Its novelty is its color—a glowing but soft apricot, tinted, shaded and suffused with lemon. It is a color difficult to describe, and might be said to approach a terra cotta tint, especially so as it harmonizes so beautifully with golden brown. **Pkt. 20c., 6 for $1.**

W. T. Hutchins Is a fine bold, true Spencer of most perfect form and coloring. The buds show a decided buff color. The fully expanded color has the appearance of light apricot (distinctly lemon at the throat), overlaid with a beautiful blush pink. Both standard and wings are wavy, ruffled and crinkled of the most advanced Spencer type. The flowers are of the largest size, the standard measures 2 inches across by 1⅝ inches deep. **Pkt. 20c., 6 for $1.**

Picotee A lovely new and distinct variety, Spencer form. Flowers white, beautifully edged carmine, large and well waved. In most cases flowers are borne four on a stem, well placed and of grand substance. **Pkt. 20c., 6 for $1.**

Snowflake A grand white variety of the Spencer type, described to us by the originators as an improved white Spencer. Immensely floriferous, sturdy and strong grower, with an average of four flowers to the stem. **Pkt. 15c., 2 pkts. 25c., oz. 40c., ¼ lb. $1.50, lb. $5.**

Collection, one packet each of the above seven grand novelty Sweet Peas for $1.25, 6 collections for $7.25, 12 collections for $14.

ARTHUR T. BODDINGTON

Seedsman 342 West 14th St., NEW YORK CITY, N. Y.

Bernardsville (N. J.) Hort. and Agri. Society

The Bernardsville Horticultural and Agricultural Society held its regular monthly meeting on Saturday, February 19. It was decided at this meeting that the executive committee, composed of the following superintendents, C. McRae, D. Neill, A. Dupanier, L. Corbett, S. Kagan and W. Mason should prepare a preliminary schedule for the next exhibition, which is to be held on September 14. There have already been donated for this exhibition two silver cups and several money prizes. J. H. Rainsbury, the local florist, had on exhibition, a well grown vase of Christmas Pink and Boddington's Snowbird Sweet Peas, of which he gave an interesting and instructive description, with notes on the growing and care of same under glass, for which the Society tendered him a hearty vote of thanks. J. Southerland and F. Heremans were duly elected active members and W. Wilshey, C. Kudack, W. Blazure, H. Wright, J. Westcott and G. S. Voorhees were proposed for active membership. The way the members are coming in, the Society promises to become a very strong one. J. F. A.

Notes

DIGHTON, MASS.—The greenhouse of John Taves, Brook st., was partially destroyed by fire on Feb. 15. He will rebuild.

PLAINWELL, MICH.—The Hastings Greenhouse Company has completed its new greenhouses and are ready to do business.

EIGHMYVILLE, N. Y.—Hubert Green has bought property at Rhinebeck and expects to start in business as a Violet grower shortly.

WAKEFIELD, R. I.—The greenhouse on the property of Edward L. Walsh which was burned has been rebuilt, being considerably enlarged.

SOUTH MEMPHIS, TENN.—H. C. Murray, a horticulturist, residing here, was held up at the points of revolvers by two white men on Latham avenue near Kerr on the night of Feb. 15 and robbed of $27.

LITTLE ROCK, ARK.—P. H. Pattee, florist, has returned, February 18, from a trip to Europe. A month previously he was notified that his father was critically ill in Germany, and he rushed to the parental bedside, to find him recovered.

SPRINGFIELD, O.—Gustav Schneider, florist, was one of the largest sufferers from the recent heavy snow. The roof of his new greenhouse in Johnstone avenue gave way under the weight of the "beautiful," causing a loss of about $300. It was also thought that his crop of plants was destroyed, but Mr. Schneider states the snow stopped up the holes caused by the glass breaking and that the plants were saved.

CHESTER, PA.—A hurried message brought Melchor E. Pierce, a florist, from a nearby cigar store to his home on the evening of Feb. 15, and as he neared the greenhouses a bright light in the main building gave him the impression that the structure was in flames. Throwing off his coat Pierce started for the place and fell exhausted from shock and overexertion. He found that the lights were from seventy-two candles, the lighted tapers having been arranged amidst a floral design surmounting a huge cake, and represented the seventy-two years of Pierce's life in commemoration of his birthday, the design being secretly arranged by several friends.

Plant Culture

By GEO. W. OLIVER.
Propagator to the Bureau of Plant Industry, U. S Department of Agriculture, Washington, D. C.

New, revised and enlarged edition, fully illustrated, handsomely printed on enameled paper and bound in Vellum de Luxe cloth, 12 mo., 300 pages. Sample pages on application. Purely an American book by an American author.

The Book of Books for the Grower. Compact, concise, practical, containing all the information bearing on present day practice. You need it for yourself, for your foreman, for your men.

SPECIAL OFFER

To New Subscribers or to Subscribers Renewing: The Florists' Exchange two years and one copy of Plant Culture by mail, postpaid, $3.00.

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Positively, Plant Culture will not be sold to non-subscribers at less than $1.50 per copy.

THE FLORISTS' EXCHANGE, P.O. BOX 1697 NEW YORK

Violets Marie Louise and Farquhar in Field Planting at Establishment of Richard Langle, White Plains, N. Y., Showing Protecting Lattice

Among the Growers

Richard Langle, White Plains, N. Y.

The Violets which come into the New York market from this establishment are always conspicuous for their fine quality, a distinction which is due to the excellent methods of culture practiced here, and the careful selection of plants for growing on in the houses. A view is presented herewith of a choice field planting of the varieties Marie Louise and Farquhar, with lattice protection. The plants were planted early in May, and the lattice was built over them after they had been established three or four weeks. In protecting them from the hot rays of the sun a more even growing temperature is obtained. There were 20,000 plants in this block, most of them intended for Fall sale to the trade. This method, Mr. Langle says, insures good, healthy stock for distribution. The photograph was taken Aug. 5.

Violet Mrs. Elizabeth H. Langle
Average Flowers are Over an Inch in Diameter

Another picture is shown of 20,000 field plants of the single varieties Princess of Wales and La France. No protection is given to these, as they seem to grow just as well, or better, without shade; with shade they have been found to run too much to foliage.

In the greenhouses about 20,000 plants are benched for cut flower purposes.

Mr. Langle is nursing along a stock of a new variety which has originated with him and which has been named Mrs. Elizabeth H. Langle. It is a sport from Farquhar, but much better in habit. It does not throw waste runners to the extent that other varieties do, and necessitates no more assistance to run two houses of it than is required for one of the other sorts. The flowers are very large, generally an inch and more in diameter. Just now 35 of the flowers makes a bunch as large as 50 flowers of other good varieties. The petals are slightly serrated, and the foliage also is distinctive in this respect. The color is excellent, running to true violet, with less white marking than other varieties. Mr. Langle has about 1500 plants at present, and expects to disseminate the variety in about a year's time.

James Wheeler, Natick, Mass.

James Wheeler, well known among the Boston craft, is giving up private gardening and going to devote his time to commercial floriculture and nursery work. He has purchased thirty-two acres of very desirable land at Natick, Mass., and will erect at once a greenhouse, 300x60 ft; Carnations will be grown in the larger portion of this house. Some of the land is to be devoted to nursery stock of the highest grades of trees, shrubs and herbaceous plants. A new modern dwelling house is to be also erected as soon as possible. The private gardeners are sorry to lose so good a man from their ranks as Mr. Wheeler is, but their loss will be a gain to the trade, as it will obtain a man of sterling worth who will be an hooor to the business.

Mr. Wheeler has been head gardener to Mr. Joseph White of Brookline for over twenty-two years, and during all these years he has been held in the highest esteem and respected by every one who knew him. He has been identified as one of the Hub's expert plantsmen, and most of us can remember the fine specimens of Ferns, Palms, Cycads and many other plants he has exhibited at Horticultural Hall.

He has been a strenuous worker in horticulture and has held many important positions. For many years he acted as one of the judges at the Mass. Hort. Society shows. His judgment was never doubted. He was straightforward, upright and honest in his judging, and pleasing and affable in his dealings with exhibitors. In fact, he had just the right material in him to make a good judge. He was president of the Gardeners and Florists' Club for two years, and during his administration the club grew and flourished.

Mr. Wheeler is an Englishman and has been connected with gardening since boyhood. He began his career at Longford Castle, the seat of the Earl of Radnor, and worked there for seven years. After leaving Longford Castle he worked with Mrs. Gurney Pease, Woodside, Darlington, where he remained until he came to this country in 1885. His first employment here was at the then famous Payson estate, Belmont, Mass. For two years he acted as foreman, and afterward as head gardener, until the establishment broke up. The writer was one of Mr. Wheeler's subordinates at the Payson estate and has been very closely connected with him for the past twenty-two years and the longer we know him the better we like him. We wish him the greatest success in his new undertaking. We have not the least doubt of his future success as a man of his ability and integrity will succeed at anything or anywhere. R. C.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

J. A. Budlong & Son Co., Auburn, Providence, R. I.

The J. A. Budlong & Son Co.'s establishment is without doubt the largest flower producing plant in the State of Rhode Island. It is situate at Auburn, only a short distance from the city of Providence. The firm has long been famous for the high quality of garden truck produced, and seven years ago the growing of flowers was taken up, the venture being attended with such success that today there is a total of over 275,000 sq. ft. of glass in the establishment. The houses range from 400 ft. to 470 ft. in length. The principal crops are Roses and Carnations, the former leading; and the whole establishment gives evidence of system and good management. In my whole tour through the Rose and Carnation houses not an insect or a speck of mildew was to be seen.

For Roses the benches are raised above the floor level 20", which besides providing 8" for loam allows for 11" of stone drainage, with 1" for a mulch and watering. In placing the drainage, rough field stone is used; a row of flat stones is set up along the sides and on the ends, forming an enduring base for the board framing. Over the rough drainage is placed a layer of crushed stone to fill in the interstices, and thus insure perfect drainage. The soil is of a light sandy nature, and bears a free application of water, as well as liquid stimulants, and for the application of these commodities the whole plant is thoroughly piped. In regard to the heating, all houses are doubly piped, so that in case of accident to one set of boilers or pipes the circulation can immediately be changed over until repairs are made. All houses latest built are of the most approved pattern of iron and glass, Lord & Burnham design.

In Roses, Killarney and Richmond occupy a large space and give satisfaction. The number of My Maryland is to be increased. White Killarney is to be thoroughly tested, yet Bride will continue to hold its own. Bridesmaid will be discarded. All of the Roses grown are worked on the Manetti stock.

The only Carnations grown in quantity are pink, white and crimson Enchantress, White Enchantress, White Perfection and Beacon, and the list appears to fill the bill. One house set out with plants from 4" pots has given great satisfaction, and the plants have proved in every way superior to field grown stock. An uptodate packing shed with ample refrigerators makes this the best managed flower factory that we have ever seen. Most of the product is sold in the Boston and New York markets.

It was not my privilege to meet Mr. Budlong, but through his courtesy in admitting visitors generally I was given the freedom of the place, and to Mr. Bennett, Foreman Boodge and others thanks are expressed for a kindly reception. ALEXANDER MACLELLAN.

Two Superb New Roses

Lady Duncan.—This fine Rose was awarded a silver medal by the Mass. Hort. Soc. It is a hybrid of the ever excellent Rugosa and the Memorial Rose (R. Wichuraiana). It has the prostrate long rampant growth of the Wichuraiana, while the Rugosa blood shows in the luxuriant, dark, glossy foliage, and in the profusion of large, single flowers. The petals of rich glowing pink melt into an exquisite large yellow center. Lady Duncan is perfectly hardy, even in Canada, is a strong grower, free bloomer, and of long duration of blooming.

Daybreak.—A Rose of Wichuraiana type crossed with Rambler Dawson. A vigorous grower, profuse bloomer, excellent, too, for forcing. The flowers are single, in great pyramidal clusters of deep, yellowish pink, somewhat darker than Lady Duncan, the petals of a lighter shade toward the center. The foliage is bright, glossy green, and the habit trailing, like its parent, Wichuraiana.

Both these Roses were raised by Jackson Dawson and are introductions of the Eastern Nurseries, Henry S. Dawson, manager, Jamaica Plain, Mass.

THE FLORISTS' EXCHANGE
Is A Business Paper For Business Man

Violets Princess of Wales and La France in Field Planting at Establishment of Richard Langle, White Plains, N. Y.

Stumpp & Walter Co.'s High-Bred Asters

Asters are our Specialties, and great care is taken to have only the best and those that will give the greatest satisfaction. We have been very highly complimented on the choiceness of our strains.

ASTER. Queen of the Market. This is the earliest of all, fully three weeks earlier than other Asters. Selected stock.

	Tr. pkt.	¼ oz.	Oz.		Tr. pkt.	¼ oz.	Oz.
White	$0.10	$0.15	$0.50	Dark blue	$0.10	$0.15	$0.50
Crimson	.10	.15	.50	Flesh color	.10	.15	.50
Rose	.10	.15	.50	Lilac red	.10	.15	.50
Light blue	.10	.15	.50	Mixed	.10	.15	.40

ASTER. S. & W. Co.'s Selected Late Branching. One of the best branching Asters for cut flowers. Our strain of this splendid Aster is grown specially for us, with the greatest care.

	Tr. pkt.	¼ oz.	Oz.		Tr. pkt.	¼ oz.	Oz.
Pure white	$0.20	$0.30	$1.00	Shell pink	$0.20	$0.30	$1.00
Lavender	.20	.30	1.00	Rose	.20	.30	1.00
Purple	.20	.30	1.00	Carmine	.20	.30	1.00
Crimson	.20	.30	1.00	Mixed	.10	.20	.75

ASTER. Hohenzollern. Excellent robust new class, with enormous flowers, superb for cutting and exhibiting; flowers often measuring 6 to 8 inches in diameter.

	Tr. pkt.	¼ oz.	Oz.		Tr. pkt.	¼ oz.	Oz.
White	$0.25	$0.75	$2.00	Crown Prince	$0.25	$0.90	$3.00
Rose	.25	.75	2.00	Syringa blue	.50	1.50	5.00
Dark blue	.25	.75	2.00	Mixed	.25	.75	2.00

ASTER. Purity. One of the finest white Asters grown, either for pots or cutting. Trade pkt. 25c., ¼ oz. 75c., oz. $2.50.

ASTER. Daybreak. Counterpart to Purity, with a fine rose color similar to Daybreak Carnation; very fine. Trade pkt. 25c., ¼ oz. 75c., oz. $2.50.

ASTER. Giant Comet.

	Tr. pkt.	¼ oz.	Oz.		Tr. pkt.	¼ oz.	Oz.
Pure white	$0.25	$0.75	$2.00	Light rose	$0.25	$0.75	$2.00
Dark blue	.25	.75	2.00	Mixed	.20	.60	1.75

ASTER. Hercules. White. Remarkable new introduction, semi-dwarf, huge pure white flowers of most refined shape; the best white flowering Aster we have ever seen. Pkt. 25c., ⅛ oz. $1.00, ½ oz. $3.50, oz. $7.00.

ASTER. Splendor. Upright flesh pink. In this variety we have one of great value. It has many qualities which commend it highly, not only in the habit of growth, but in size, form of flower, and in color, which is one of the most desirable in an Aster, being of a beautiful light flesh pink, a shade which can be used in nearly all floral work. The plant has the ideal habit of an upright growing sort. Pkt. 25c., ¼ oz. $1.75, oz. $5.

ASTER. Vick's Violet King. The peer of the grandest Chrysanthemum. The habit is similar to the popular Vick's Branching, vigorous in growth, long, stiff stems; petals somewhat resemble the quilled varieties but much larger and broader, completely covering the crown. In shape and size the bloom is round, full and large, many of the flowers 4 to 5 inches. Its color is a soft violet-lilac. Trade pkt. 25c., oz. $1.50.

GIANT STOCK "Abundance"

Without a doubt this is the finest Stock ever introduced. It blooms profusely, the color of the flower being a beautiful pink. In our trial grounds the past Summer we had several plants that measured two feet across. With good culture, transplanting several times and feeding with liquid manure one can obtain gigantic bouquets similar to cut. This variety can be cultivated either as a Summer or Winter Stock, and by sowing early in June it may be had in flower by Christmas time. Per pkt. 500 seeds $1.00.

Caladium Esculentum

Or Elephant's Ear

	Per doz.	100
Size 5x7 in. bulbs	$0.36	$2.00
Size 7x9 in. bulbs	.48	3.00
Size 9x11 in. bulbs	.85	6.00
Size 12-in. and over bulbs	2.40	16.00

GIANT STOCK "ABUNDANCE"

Gold Medal Strain BEGONIAS

Tuberous Rootcd

	Per doz.	100
Single white	$0.40	$2.50
Single yellow	.40	2.50
Single nankeen	.40	2.50
Single pink	.40	2.50
Single rose	.40	2.50
Single red	.40	2.50
Single dark red	.40	2.50
Single salmon	.40	2.50
Single orange	.40	2.50
Single mixed	.35	2.25
Double white	.65	5.00
Double yellow	.65	5.00
Double orange	.65	5.00
Double rose	.65	5.00
Double dark rose	.65	5.00
Double dark red	.65	5.00
Double red	.65	5.00
Double salmon	.65	5.00
Double mixed	.50	4.00

Tuberoses

	100	1000	5000
Dwarf Excelsior Pearl	$1.00	$8.00	$37.50

Gladiolus Bulbs

Of the following varieties we have exceptionally large and choice stock.

	100	1000	5000
America	$4.00	$30.00	$125.00
Attraction	4.00	35.00	
Augusta	2.25	18.00	80.00
Brenchleyensis	1.50	12.00	55.00
Blue Jay	9.00	75.00	
Columbia	2.00	15.00	70.00
Ceres	1.50	12.00	55.00
May	2.00	15.00	70.00
Nezinscott	4.00	30.00	145.00
Princeps	10.00		
Salem	$6.00	$40.00	
Trial Grounds Mixed	1.50	10.00	$45.00
Groff's Hybrids Mixed	1.50	12.00	58.00
White and Light Mixed	1.50	12.00	58.00
Pink and Rose Mixed	1.50	12.00	58.00
Red and Scarlet Mixed	1.50	12.00	58.00
Lemoine's Mixed	1.25	10.00	45.00
American Hybrid Mixed	1.00	8.00	35.00
Childsii Mixed	1.50	12.00	58.00
Extra Fine Mixed	1.00	7.00	32.50

Stumpp & Walter Co.

50 Barclay Street
NEW YORK

The Novelties and Specialties of 1910 for the Seedsman and Florist

The pages which follow will serve as a reliable guide to very many of the Novelties and Specialties of the leading seedsmen and plant originators which are being offered for the year 1910. This Novelty edition will be a yearly feature of The Florists' Exchange and we are convinced that it will grow in importance as its value to the trade becomes appreciated by those most interested. The idea of presenting all the Novelties and Specialties of each year "under one cover" is an attractive one to our readers.

Novelties and Specialties offered by Weeber & Don, New York

The Don Tomato; Extra Early Forcing.—Notwithstanding the numerous new Tomatoes introduced in recent years, this grand variety, sent out by us, possesses all the qualifications to enable us to state that it is the best forcing Tomato ever offered. The fruit is of medium size, dark red in color, very smooth, solid, and almost globe shaped. The plants form 3 to 6 stalks, and average 6 ft. in height, with comparatively very little foliage. It is remarkable for its bearing qualities; the plants are covered with clusters of fruit averaging from 5 to 9 Tomatoes in each cluster, bearing right down to the bottom of the stems. It is also very valuable for first crop outside planting.

Seth Low Musk Melon

Seth Low Musk Melon.—This excellent Melon, introduced by us last year, we can confidently recommend as one of the best varieties grown, and those of our customers who have tried it speak highly of its qualities both as regards flavor, shape, and prolificness. In appearance it is very attractive, nearly round in form, with greenish yellow skin, slightly netted, and deeply ribbed, averaging in weight from 7 to 10 lbs. The flesh is rich salmon color, very deep, with an unusually thin rind. We consider this variety a valuable addition, either for growing under glass or in the open, and as a Melon to answer both purposes it has no equal.

Ideal Forcing Lettuce

The Don Tomato

W. & D.'s First and Best Cauliflower.—This is described as the earliest of all Cauliflowers. For forcing under glass during Winter and Spring, it is peculiarly well adapted, from its dwarf growth and short outer leaves, and for this purpose no other Cauliflower is now so largely grown.

W. & D.'s Brechin Castle Brussels Sprouts

W. & D.'s Brechin Castle Brussels Sprouts.—This excellent variety has proved to be a decided advance on anything yet offered, and we have had numerous testimonials from our customers as to its value. The plants are of medium height, vigorous in growth, and entirely covered with solid dark green sprouts, very tender and of excellent flavor.

New Thick Fleshed Pepper Glory.—This novelty is quite distinct from any variety yet introduced, its chief feature being the thickness of flesh, in which important respect it is pre-eminent, no other variety being able to compare with it. The heavy solid fruit is conical in shape and pleasing in appearance, growing about 4½ inches long and 3 inches wide at the top. It is of a deep scarlet color, and the flavor is extremely mild.

Ideal Forcing Lettuce.—As a Lettuce for growing under glass, Ideal, in our opinion, is far ahead of anything yet sent out, and we have received most gratifying reports from customers who have already grown it. It possesses all the good qualities of May King, but comes into use much earlier and forces better than that favorite sort. We have every confidence in recommending it as the best Lettuce of this class.

Calceolaria Hybrida. W. & D.'s Selected Strain.—Saved only from the very finest, largest flowering and most beautifully marked varieties. This strain cannot be surpassed.

Cineraria Hybrida. W. & D.'s Extra Selected.—We claim that this strain of Cineraria cannot be excelled. The plants are of compact growth, fine, clearly cut, healthy foliage. The flowers are perfect in form, borne in the greatest profusion, and embrace in color all the most desirable shades.

Chrysanthemum King Edward VII.—This is undoubtedly the finest and handsomest of all the Chrysanthemum maximum varieties. The single flowers are pure white, yellow centers; large, graceful, and produced in countless numbers on long, strong stems, making them valuable for cutting. The plants are perfectly hardy and should have a place in every garden.

Papaver Orientale Colosseum. New Giant Oriental Poppy.—A specially selected strain of the beautiful hardy Oriental Poppy, so well known that we need not further describe it. The seed we offer has been saved exclusively from flowers measuring 8 inches across and 24 inches in circumference, and will produce gigantic flowers of a brilliant deep scarlet color, adorned with a large black spot at the base of each petal.

Gloriosa Superba Grandiflora.—A rare and very beautiful greenhouse climber allied to the Lily, and deriving its name from the latin "Gloriosus" (glorious), referring to the exquisite beauty of style, form and color of the flowers. Must be seen to be appreciated. To start, plant bulbs singly in 5 to 7-inch pots, according to size, or three to four in a good-sized tub, during March, April and May, in rich soil, with good drainage, and place in a strong, moist heat. They soon begin to sprout and grow vigorously to a height of 12 to 15 feet, branching more or less as they begin blooming. The flowers, when first opening, are of a delicate orange-pink color and gradually change to orange crimson as they grow older. The petals are long, narrow, beautifully ruffled and curled, and turn back from the stamens. Valuable alike for cutting or as an ornament, and an attraction to the greenhouse or conservatory.

Cyclamen. W. & D.'s Superb Giant Prize Varieties.—Handsome greenhouse and parlor plants with beautifully mottled foliage. The seed we offer has been saved for us in England by a specialist, only from his choicest, largest flowering and most perfect plants, and therefore cannot fail to produce flowers of the finest substance. To those who really want the best, we recommend our strains with all confidence as the largest and most improved of all giant flowering Cyclamens.

Cyclamen, W. & D.'s Superb Giant Prize

Novelties and Specialties for 1910 Offered by Henry A. Dreer of Philadelphia

Novelties and Specialties in Flower Seeds

While many of the following are of European origin, we have had a number of them under observation for a year or two, when on our annual tours of inspection, and are pleased to be able to offer them.

Veitch's Long-Spurred Hybrid Aquilegias.—This beautiful strain of Columbines comprise new and pleasing shades and combinations, effective and striking in the individual flowers, ranging through all shades of lavender, blue, mauve, white, yellow, orange, scarlet and bright rose pink. The plants are perfectly hardy, vigorous and stately in growth and produce abundantly large and elegantly shaped flowers with long spurs, borne well above the pale glaucous green foliage.

Dreer's "Crimson King" Aster.—This variety originated with our own grower, who has been carefully selecting it for a number of years, until it is now perfect in every way. It has all the good qualities of our Superb Late Branching type, with extra large densely double flowers, few under 5 inches across, on stems 15 to 18 in. long, in color a very rich blood crimson, full of fire, making a brilliant bed or border, and very desirable for cutting, the color showing up well under artificial light.

Dreer's "Pink Beauty" Aster.—A magnificent variety of strong, free, upright growth, 24 to 30 in. high, blooming from early in August until well on in September, with frequently as many as 50 flowers open at one time on long, strong stems, and averaging 4 in. across, of Chrysanthemum shape, the inner petals incurved, outer reflexed; color a soft, delicate blush pink, a shade which is always in demand for cutting.

Astilbe Hybrida Rosea.—New hybrids of this lovely hardy perennial, produced by crossing A. Japonica with A. Chinensis. May be expected to produce entirely new varieties, varying in color from the palest to the deepest rose pink with a small percentage of white-flowered forms. Seed sown early produce flowering plants the first year and strong clumps the second season. Valuable alike for forcing and the border.

Begonia Gracilis Prima Donna. This novelty may be briefly described as a perfected ideal form of the popular pink B. gracilis. The flowers are much larger, of a limpid rose, shading to carmine at the center; a color of exquisite beauty; habit of plant perfect and very free flowering.

New Hybrid Delphiniums

Veitch's Long-Spurred Columbines

Begonia semperflorens "Salmon Queen."—We had the pleasure of seeing this beautiful variety in flower at the introducer's a year ago, and were much impressed by the brightness of its brilliant salmon rose flowers. All the varieties of this free flowering, easily raised Begonia are worth growing either for bedding or for pot culture, and this, the brightest colored of them all, is especially desirable.

Double Blue Cornflower (Centaurea Cyanus fl. pl.)—This was introduced by us in 1907, and is now a standard variety and largely used by many florists who quickly recognized its value as a cut flower. It is identical in color to the popular single blue variety which is so much in demand for cutting, especially for boutonnières, but, being a full double flower, it takes fewer of them to make a nice bunch and is better in every way.

Cosmidium "Orange Crown."—Very handsome new annual, forming elegant branched bushes about 2 ft. high; the bright single flowers are 1½ to 1¾ in. across, borne on long, slender but self-supporting stems well above the graceful foliage; color golden yellow, with a broad conspicuous circle of rich orange around the disk; very valuable for cutting, lasting for several days; the flowers are produced in constant succession throughout the Summer.

New Hybrid Delphiniums.—We are fortunate in having secured a number of magnificent new hybrids which represent the cream of a famous English collection. Included are such sorts as: King of Delphiniums, Lizzie, Masterpiece and Queen Wilhelmina.

Solanum Capsicastrum "Fra Diavolo."—A new variety of the well-known Jerusalem or Coral Cherry, of close, compact growth, with foliage somewhat smaller and lighter green than the type. The small, bright scarlet fruits are produced in lavish profusion, and as they remain on the plant a long time it makes a beautiful decorative pot plant through the Winter months.

New Dwarf Blue Salvia (Salvia patens compacta nana).—Salvia patens, the Blue Sage, has always been admired as the richest blue of all blue flowers, and in this new variety we have a decided improvement, being dwarfer and more compact in habit; the flowers larger and even more intense in color; the spikes, which are held well above the foliage, have usually 3 to 5 flowers open at one time.

New Stokesia or Cornflower Aster.—The blue Stokesia cyanea, although a native of the United States, was practically unknown as a garden plant until the year 1903 when we illustrated it in colors on the cover of our Garden Book; as a result of our efforts, it is now one of the popular hardy perennials. Some four years ago, a white-flowered variety was discovered, and now we are able to offer a mixture containing a number of rose shades, and various shades of blue as well. These should prove highly interesting, and we look forward to the time when this plant will be found in all gardens in a great variety of colors.

Various New Plants and Bulbs

Acanthus Montanus.—An attractive and interesting plant, not only on account of its peculiar flowers but also for its remarkable foliage, which makes it a most desirable subject for the warm conservatory or greenhouse. The 12- to 15-in. long leaves are deeply and irregularly lobed, each lobe terminated with a long spine-like point, and are of a dark olive green, marbled with lively yellowish green, the midrib being brighter. The inflorescence is stately, consisting of a long spike of white flowers with purple veined bracts.

Tuberous-Rooted Begonia Frau Helene Harms.—This is in pleasing primrose yellow what Begonia Lafayette and Duke Zeppelin are in crimson and scarlet; a decided acquisition.

Dracæna Indivisa Prince Albert.—A variegated form of Dracæna indivisa and a decided improvement on Dracæna Doncetti; the long narrow foliage being broadly edged with creamy white and a rich bronzy red midrib.

Pereskia Godseffiana.—A splendid new variegated foliage plant which should prove a valuable acquisition for use in window boxes, bedding, etc. in the same way as the variegated forms of Acalypha are now used. The plant is of strong, vigorous growth, with somewhat succulent leaves, which are neatly variegated with green and ochre and suffused with a lively bronze red.

Amaryllis R. H. James.—Magnificent flowers of heavy texture and well expanded form, rarely under 6 in. across; in color a dazzling scarlet, identical in shade to Scarlet Sage, relieved by a white band and featherings in the throat which intensifies the brilliancy of the scarlet.

New Show Dahlia Susan.—In this we have an ideal cut flower variety of a most pleasing shell pink, a shade of color that is always popular, and, while it does not stand alone in this color (there being other varieties almost identical), it is the only one of this type which produces a sufficient number of flowers, and all on long stems, to make it profitable for that purpose.

The New Golden-Leaved Smilax.—The descriptive name, "Golden-Leaved Smilax" in this instance does not appeal. One is very naturally inclined to think of an unhealthy plant of dull color, but such is not the case. The foliage of this variety is of such a live fresh golden green color that it appeals to all who see it. A plant which we are certain will furnish suitable decorative material for many purposes much more appropriate and decorative than the ordinary green Smilax or Asparagus.

Hybrid Tea Roses for Outdoor Bedding

A collection of the choicest introductions of Alexander Dickson & Sons of 1908 and 1909:

Duchess of Wellington (1909).—A grand Rose of the famous Killarney type, but of an entirely distinct color from any Rose now in cultivation, it being of an intense saffron yellow stained with crimson in the first stage, which, as the flowers develop, changes to a deep, coppery, saffron yellow. The flowers, which are fairly full, resemble Killarney in shape, but the petals are larger and of greater substance. Delightfully fragrant and very free flowering.

Pedigree Hybrid Tea Rose Geo. C. Waud

Novelties and Specialties for 1910 Offered by Henry A. Dreer of Philadelphia—*Concluded*

Hybrid Tea Roses for Outdoor Bedding—Cont.

George C. Waud (1908).—A remarkably distinct and beautiful variety, possessing a shade of color hitherto unknown among Roses, namely, a glowing orange vermilion which does not fade. The flowers are large, full, perfectly formed, with pointed center. Highly tea scented. Without doubt one of the choicest and most magnificent Roses ever sent out.

Grace Molyneux (1908).—A chaste Rose of rare beauty and fascination; the habit of growth is perfection, every shoot producing a bloom. A veritable pearl for garden decoration. The color is a creamy apricot, flesh in the center; the outer petals when developed are delicate creamy white inside, with a faint pink sheen on the reverse. Delightfully tea scented.

John Cuff (1908).—A valuable acquisition of unique color. It is one of the earliest to expand its very large and beautiful blooms, which are of great substance and perfect symmetry. The buds are long and pointed and produced in marvelous profusion, of a warm, deep carmine pink color, with a most attractive and distinct yellow zone at the base of the petals.

Lady Ursula (1908).—A truly magnificent Rose, of vigorous erect growth, possessing exceedingly free blooming qualities. The foliage is large, massive and attractive. The flowers produced on every shoot are very large, full and of great substance and perfect form, with high center, from which the petals gracefully reflex; in color a delightful shade of flesh pink. Distinct from all others; delicately tea scented.

Mary, Countess of Ilchester (1909).—A Rose of the greatest distinction and charm; a warm crimson carmine. It possesses unusually free and continuous blooming qualities. The flowers are of great size with large massive petals. Delightfully scented.

Margaret Molyneux (1909).—One of the most distinct and beautiful Roses yet introduced. The flowers are semi-double, and are produced in trusses of from three to five, each carried on long rigid stems. The color is as novel as beautiful, varying from saffron yellow shaded bronzy carmine in the bud to delicate salmon pink as the flowers fully expand. It is strongly tea scented.

Walter Speed (1909).—A magnificent Rose of robust, vigorous, erect growth, and possessing exceedingly free blooming qualities, every shoot being crowned with flowers. They are large with imbricated form and high pointed center. The color is a deep lemon yellow which, as the flower develops, becomes milky white.

New Hardy Perennials

Achillea Ptarmica fl. pl. Boule de Neige.—Is a decided improvement on Achillea, the Pearl, the variety so extensively grown for cutting, with which it is identical in habit but with flowers one-half larger.

Ætheopappus Pulcherimus is not unlike a graceful form of Centaurea, producing during July masses of brilliant rose-colored flowers useful for cutting as well as for garden decoration.

Astilbe Arendsi Ceres and Silver White.—These are the results of crossings between Astilbe Davidii, Japonica compacta, Astilboides and Thunbergii. They are of strong, robust habit, growing from 2½ to 3 ft. high, in much branched panicles; the former with light rose colored flowers, the latter with silvery white flowers. Excellent subject for a semi-shaded moist position.

Astilbe Grandis.—An introduction from China, growing from 5 to 6 ft. high; the panicles of white flowers range from 2 to 2½ ft. in length.

Artemisia Lactiflora.—Unlike all the other Artemisias, and a splendid subject for the hardy border, producing Spiræa-like feathery panicles of fragrant creamy white flowers on 3½ to 4½ ft. high stems during August and September. Its time of flowering makes it especially valuable, there being nothing of similar habit in bloom at this period.

Ætheopappus Pulcherimus

Iris Interregna

Clematis Recta Fl. Pl.—By no means a new plant, having been introduced in 1890, but being slow to propagate it has been very sparingly offered. It is a counterpart of Clematis recta in habit, but with splendid double white flowers and retains its freshness much longer than the single form. Very valuable for cutting and a showy plant for the border.

Sedum Spectabilis Brilliant.—When Sedum spectabilis atropurpurea was introduced, some five years since, it was a decided improvement on the popular type. In the variety Brilliant we have a sport from atropurpurea which is of a still brighter and deeper color and certain to supersede the two older types.

Senecio Veitchianus and Wilsonianus.—Two varieties of the Groundsel which have been introduced from China, especially suited for planting in low moist ground, where they will form large, bold clumps from 3 to 5 ft., bearing masses of bright yellow flowers during July and August.

Pyrethrum Uliginosum Stellata.—A greatly improved form of our common Giant Daisy, with flowers fully one-half larger, with long, narrow petals, forming a much more graceful flower than the type. A most useful Summer cut flower.

Choice New Varieties of Trollius

Greatly improved forms of the Globe Flowers; all of strong vigorous growth, and of very large size: Goldquelle, golden yellow; Götterfuncke, orange yellow; Helios, very free pure yellow; Leuchtkugel, deep reddish orange; Lichtball, large globular orange yellow; Salamander, soft orange yellow.

New Varieties of Anemone Japonica

Alice.—Raised by the originator of Queen Charlotte, on which it is a great improvement; of a silvery rose or shell pink, suffused with fresh carmine.

Kriemhilde.—Semi-double flowers, 4 in. in diameter; of a lively rose pink; on stout stiff stems; very useful for cutting.

Lorely.—Exceptionally free flowering semi-double cup-shaped flowers of a bright silvery mauve pink; about 3 in. in diameter.

New Iris Germanica

A most distinct set of varieties raised by Messrs. Goos & Koenemann, in which not only distinct new colors are presented, but in which the form of the flower has been brought to a most perfect globular shape.

King of Iris.—A striking novelty, with flowers of perfect form; the standards clear lemon yellow, while the falls, which are very large, are a deep satiny brown, with a broad border of golden yellow.

Lohengrin.—One of the strongest growers yet introduced, both foliage and flowers being of gigantic size, the flowers being nearly 5 in. deep, with petals 2 in. wide, and of that beautiful pink color peculiar to the Cattleya.

Nibelungen.—Flowers as large as the preceding; standards olive green suffused with sulphur yellow; falls deep violet purple suffused with creamy white on the edges.

Princess Victoria Louise.—Standards pure sulphur yellow; falls rich plum color with cream colored edges. An entirely new and distinct combination of colors.

Rhein Nixe.—Standards pure white, falls deep violet blue with white margin; will attain a height of 3 ft., with many branched stems. Very free flowering.

New Iris Interregna

Messrs. Goos & Koenemann have been very successful in giving us a set of varieties, crosses between Iris pumila hybrida and Iris Germanica, which are an entirely distinct type. They are intermediate between Iris pumila and the general type of Germanica and, coming into flower earlier than the Germanica varieties, will help to extend the season of this most beautiful type of flower, which combines perfection of form with large size and clear decided color. Another distinct feature about the Interregna Iris is that the foliage, which is comparatively dwarf, retains its freshness throughout the season, until very late in the Autumn:

Halfdan.—Pure creamy yellow, of perfect form.

Helge.—Light citron, with pearl colored center. A beautiful soft shade.

Ingeborg.—Pure white; flowers 5 in. deep with petals 2 in. wide. A grand flower.

Walhalla.—Standards rosy lavender; falls velvety claret red. A most distinct and beautifully formed flower.

Iris Pumila Hybrida "The Bride."—Without question the prettiest dwarf white Iris yet introduced. The perfectly formed flowers are creamy white on opening, changing to pure white, and are borne on stems a foot high, early in May.

Three Fine New Hardy Phlox

The high standard now placed for a hardy Phlox makes it difficult to find something really distinct to add to the already too long list of perfect sorts. Out of over fifty varieties tried the past season we have selected these three grand sorts, which not only fully meet present requirements, but which will be found grand and distinct additions to any collection:

Elizabeth Campbell.—Very bright salmon pink, with lighter shadings and dark crimson eye; an entirely new and much wanted shade in Phlox.

Frau Anton Buchner.—The finest white variety yet introduced, having the largest truss and individual flower; of dwarf habit.

Rosenberg.—Bright reddish violet, with blood red eye; large truss and individual flowers as large as a silver dollar.

Hardy Shrubs

Buddleia Variabilis Veitchiana and Buddleia Variabilis Magnifica.—These are wonderful improvements on Buddleia variabilis, being more vigorous and producing magnificent spikes of flowers frequently 20 in. long by 3 in. across. Veitchiana is of a most pleasing shade of violet mauve with orange center, while Magnifica is of a deep rose purple also with orange yellow center. Both flower throughout the Summer and Fall and attract much attention.

Spiræa Bumaldi Walluf.—Is a sport from Spiræa Anthony Waterer, of a much more decided intense deep crimson color; a most decided and valuable acquisition.

Hardy Climbers

Ampelopsis Lowii.—Like Ampelopsis Veitchii, this clings to the smoothest surface. It is of equally rapid growth and perfectly hardy, but the foliage is smaller and very deeply cut, giving it a grace and elegance not possessed by the old sort. In Spring and Summer the leaves are of a bright apple green color, changing in Autumn to brilliant crimson and scarlet.

Vitis Henryana.—A new variety recently introduced from China, with foliage in general outline similar to, but not as large as that of our native Virginia Creeper, the leaves being much heavier and of greater substance and prettily variegated. The ground color is deep velvety green, the midrib and principal veins of silvery white. The variegation is most pronounced in the Autumn, when the green ground color changes to red, the white marking not changing color.

Ampelopsis Lowii

Novelties and Specialties Offered by W. W. Rawson & Co., Boston, Mass.

New Cactus Dahlias

Boston Yellow.—Produced by Jas. Robertson. This Dahlia received the award of recognition from the N. E. Dahlia Society; also won the Rawson Silver Cup for keeping qualities. It is a clear yellow; the flower is extremely massive and is carried most erect on stout stems never less than 15 in. in length. It is without doubt the peer of the yellow Cactus Dahlias and especially adapted for florists' use.

General Edmund Rice.—For a rare color there is nothing in the plant line that can compare favorably with this new Dahlia. In form and color it resembles somewhat the Master Carl, but truly is a great improvement and advance over this variety. The flower is very massive and some of the first specimens measure full 7 in., while the ones to follow are never less than 6 in.; color is difficult to describe and one really has to see a flower to get a true conception of its beauty and rarity, deep orange, shaded copper and yellow at base. Plant grows 4 ft. high and produces each flower on an individual stem never less than 18 in. long.

James Berwick.—A most refined form and a rich color, deep crimson purple; the flowers are immense in size and very deep and appear most free during the entire season; the plant grows fully 6 ft. tall and carries its flowers erect.

L. P. Hollander.—The first fancy Cactus Dahlia which is truly free blooming and which carries its flowers erect on the stem so each flower on the plant looks straight at you. Color white striped deep rose; height, 6 ft. Flowers large and bloom continuously.

Marblehead.—This variety has been exhibited twice before the N. E. Dahlia Society; the first year it received the award of recognition, the second year the Society's "First Certificate." It is the only variety that so successfully passed the rigid examination of the judges. The form and color of this novelty are original and distinct. The gigantic blooms, which easily measure 7 in. in diam. are of a distinct soft scarlet. The petals are the finest known, straight as a die and extremely sharp-pointed at the tip, with a slight division similar to Progenitor. The flower is flat and a limitless number of petals radiate from the center to every direction, giving it the appearance of a star. The flowers are borne in endless profusion far away from the foliage and in fact to such an extent that they literally hide all foliage. Flowers appear early and remain perfect until the last.

Miss Polly Bush.—Grows dwarf, 3 ft. in height and produces little foliage; the flower stem is carried from the joint upright for fully 18 in., and is always crowned with one extremely massive flower of a most beautiful shade, an illumined bright rose. Petals are very straight and finely rolled back. This plant flowers continuously, but on account of its original growth not more than ten flowers are produced at one time.

Mrs. Jas. D. Colt.—We are proud to present to our friends the first truly orchid-colored Cactus Dahlia, approaching in color that of Cattleya orchid, a violet pink. Additional remarkable features of this novelty are that the gigantic flowers are carried erect on stems 2 ft. and more in length and appear in the greatest profusion from early until late. The plant grows 5 ft. high and does not spread as Dahlia plants usually do, but bears more flowers than foliage. For either cutting or garden effect this variety is a decided acquisition.

Mrs. John Hays Hammond.—A most showy new sort; the color is of an old gold, shaded to bronze, with a clear golden center; petals are very long and exquisitely pointed; flowers extremely free on erect, long stems; excellent for cutting; plants grow 5 ft. high and produce their flowers early.

Mrs. Thomas Nelson Page.—The most pleasing combination of color we ever had the pleasure of seeing, delicate salmon, shading to primrose in the center. The flowers measure fully 6 in. across and are carried erect on stout stems often 3 ft. in length. The plants grow to a height of 5 ft. and bush freely with a great quantity of flowers.

Mrs. William Howard Taft.—This is the first of a new series of Cactus Dahlias with a rigid stem, showing its flowers face forward and which can be cut on stems exceeding never less than 12 in. The form of the flower is entirely distinct. The individual petals are fluted right to the center and curve half inward toward the center, resembling to some extent, the Major Bonnaffon Chrysanthemum. The most pleasing feature of this novelty is its charming color, a La France Rose, with a clear white center. The plant grows 5 ft. high and flowers quite freely. Received the "Award of Recognition" from the N. E. Dahlia Society, Sept., 1909.

Peony Flowered Dahlias

Boston.—The only way we can describe its color is peaches and cream; flowers are of medium size, but very refined and are produced freely; plant grows 3½ ft. high.

Devereaux.—An enormous flower of a lovely delicate pink, flowers stands erect and are by far the largest pink flowers of the Peony form.

Marlboro.—A massive flower with several rows of petals, color a light pink marked with deep rose; plants very tall and produces their flowers freely.

Saugus.—Purest white, flower of immense size; occasionally produce a flower of the single form.

Springfield.—A distinct new color, old gold; flowers profusely all Summer, and for its superior merits was awarded the "Award of Recognition" by the N. E. Dahlia Society, Sept., 1909.

Giant Single Dahlias

Measuring more than 3½ in. in diam.

Bangor.—One of the freest blooming Single Dahlias; color, bright scarlet, petals are scooped and pointed; height, 5 ft.

Beach Bluff.—Sulphur yellow shaded with bronze, a distinct color, very pleasing. Individual flowers may be cut with stems often 4 ft. in length.

Belfast.—One of the gems in this collection. It has one extremely good habit, and that is its compactness of growth. Each individual plant makes a solid bush of fine foliage about 2½ ft. in height and then throws up an unlimited number of flower stems, fully 18 in. over the foliage, crowned with a single giant bloom of a dazzling scarlet. The plant from a distance looks like a ball of fire, and would lend itself admirably for landscape effect. It is in full bloom July 1, and if the seed pods are constantly removed it will remain in bloom until the last possible day.

Belmont.—Dark reddish foliage and dark stems covered with blooms of a rich maroon in cup shape. Plant quite tall and robust and flowers very large.

Clinton.—Shell-pink, with golden band around disc; petals round-edged.

Hathorne.—Pure white, occasionally a flower appears semi-double; all flowers are carried on enormous long stems; flowers exceedingly free.

Hyde Park.—Star-shaped deep rich scarlet with a purplish hue, extreme tips light golden, base yellow; size 5 in.; height, 5 ft.

Lexington.—Most beautiful orchid pink with broad band of gold around disc; pointed petal, most artistic flowers on long straight stems.

Manchester By the Sea.—Giant bloom; bright vermilion with narrow band of gold around disc, very showy and exceedingly free in blooming.

Nahant.—Velvety crimson, with golden band around disc; very free, on long stems.

Nashua.—Giant in bloom; canary yellow, of perfect form.

New Bedford.—Immense flowers, purplish crimson, with a beautiful band of gold around disc; very showy and decorative.

Old Glory.—Splendid flower, with unique coloring. Each petal of pure white is distinctly edged bright scarlet to the width of at least ¼ in., giving each petal the appearance of the American flag, hence its name. Plant grows dwarf and carries its flowers far above the foliage on erect stems, 12 to 18 in. in length.

Penacook.—White, suffused with pink and golden band around disc; a collarette of deep pink on the reverse side of petal; blooms free and is of very delicate appearance.

Rochester.—Pale peach color; pointed petals; cup-shaped, flowers of immense size.

Somersworth.—This is the star of our introductions. Each petal is slightly scooped and twisted from its center to the tip, is of unusual length and is sharply pointed. The petals are joined up to one-half their length and then expand in star-form. The color is an intense scarlet, with a broad band of gold around the prominent disc, this latter being also encircled with finely twisted petaloid stamens.

The Hub.—Petals broad, massive and pointed; color deep rose, with a broad golden band around disc; most pleasing and effective. Plant grows 5 ft. high and has a light green foliage.

Novelties and Specialties Offered by J. M .Thorburn & Co., New York

Eschscholtzia Thorburni.—The grandest of all Eschscholtzias and the most valuable novelty of the season. In habit it is the same as the California Eschscholtzia, commonly called California Poppy, but it is decidedly distinct in its coloring, which might almost be described as being barbaric in splendor. The unopened buds on outer side of petals are of the richest deepest possible crimson, toning down in the inner side to bright flame color and molten gold. The flowers are larger than those of other Eschscholtzias and are borne with equal profusion.

Asparagus plumosus intermediate.—A cross between A. plumosus nanus and A. plumosus robustus. A new form with exceedingly graceful foliage; a rapid and vigorous grower. The best of all for home use or for florists.

Gladiolus Primulinus.—Very rare species from Victoria Falls, South Africa; grows 3 to 4 ft. tall and is very vigorous. The flowers are of good size and are a clear primrose yellow. Blooms late in July. Genuine stock; most valuable.

Gladiolus Primulinus Hybrids.—Hybrids of the above, with many related species and choice garden varieties. Extremely vigorous and healthy growers, blooming in July and August. Grow 3 to 5 ft. high, with long spikes of richly colored blooms, varying in color from clear yellow to crimson, the latter with large, soft orange or golden throats.

Gladiolus Primulinus (Seed).—Seed of this beautiful yellow sort, introduced by us recently.

Zinnia, Double Dark Maroon, "General Jacqueminot."—Half-dwarf, foliage dark green; flowers dark maroon, changing during the heat of Summer to brown. A splendid novelty.

VEGETABLES

Thorburn Long-Pod Forcer Bean.—A very early, dark green, long podded sort; extremely productive and of fine flavor. The finest forcing variety yet introduced.

Thorburn's New Model Beet.—The finest table variety of all; tender, solid and crisp flesh; of fine flavor. The color is a dark blood-red; almost globular in shape.

Thorburn's Gilt Edge Cauliflower.—Best and surest of all. Produces large, heavy, solid white heads of finest quality. Undoubtedly the best variety.

Extra-Early Nordheim Sweet Corn.—The earliest Sweet Corn in cultivation. Produces stalks from 6 to 7 ft. high, each bearing three to four nearly perfect ears of finest quality. On style of Minnesota but far exceeding that variety in earliness and productiveness.

Eschscholtzia Thorburni

Thorburn's Early White Perfection Sweet Corn.—A comparatively new second early sort, producing good-sized ears 6 to 7 in. in length, of beautiful shape and almost pure white. Very small cob. It is a remarkable yielder, very sweet and a fine pure type without flint or glaze. It is undoubtedly the best second early white Sweet Corn yet introduced.

Enkhuizen Glory Cabbage.—Large early sort, white and very solid. Produces fine ball-shaped heads and combines large size with earliness as no other early Cabbage does. A fine market sort. Best of all.

Thorburn's Noroton Selected White Spine Cucumber.—A selection of the Improved White Spine, but earlier, more perfect in shape and more prolific. The best slicing variety we have seen, being solid in flesh, fine grained, tender and of delicious flavor. Vigorous, healthy grower. A splendid sort for the home garden and absolutely without an equal for market.

Thorburn's "Germania" Pea.—Dwarf. Very prolific. Immense pods. Finest quality Peas. Undoubtedly the finest dwarf wrinkled Pea yet introduced. It is about as early as Nott's Excelsior, grows 16 to 20 in. high and bears in the greatest profusion immense pods nearly as big as Gradus, well filled with large peas of the best quality and of the finest flavor.

French Half-Long White Turnip.—One of the best table Turnips in cultivation. A small quick growing, early variety; pure white skin and flesh, very tender and sweet. Can be sown for succession like Radish.

Thorburn's Upright Sweet Salad Pepper.—Of recent introduction. Handsome, productive, and of finest quality. The color is bright scarlet and the flesh thick, mild and very sweet. The Peppers are as large as Ruby King and are all borne upright, clear of the ground. The flesh is so thick and the skin so tender that it may be fried like a beef-steak, and so sweet that it may be eaten like an Apple.

Scarlet Turnip Forcing, "Giant Butter" Radish.—This new sort has many points of excellence. It produces large Radishes uniformly round and of a vivid scarlet color. It keeps crisp and tender for weeks and in spite of its large size does not become hollow and pithy. It has a very small taproot and short leaves, which makes it a valuable forcer. On account of its size (five or seven radishes to a pound, generally) the seed should be sown deeper, and the plants thinned to stand further apart in the rows than ordinary sorts.

Novelties and Specialties Offered by W. W. Rawson & Co., Boston, Mass.—*Concluded*

Wakefield.—Immense flower, of a deep maroon, with a narrow band of gold around disc; very effective.

Weston.—Perfect flower, of a soft lavender pink, just an ideal color; flowers are borne on erect stems 18 in. long; splendid for cutting.

Woburn.—Enormous flowers of delicate shell pink, with golden band around disc; petals pointed.

Seeds of Named Varieties of Dahlias.—Fully 95 per cent. of the best Dahlias raised are produced from seeds saved from good named varieties. It also makes the raising of Dahlia plants from seeds more interesting if you know which the parent plant is. For this reason we offer for the first time seeds of the following varieties of Dahlias, saved at Marblehead, in packets of 25 seeds.

Cactus.—Amber Queen, Alexander, Cockatoo, Lucifer, Docteur Mene, Lurania, Thomas Challis.

Decorative.—Mme. Victor Vassier.

Peony-flowered.—Boston, Alfred Stamm, Springfield, Semiramis, Mosel, Ortler, La Riante, Queen Wilhelmina, King Leopold, Hugo de Vries, P. W. Janssen.

Collarette.—Exposition de Lyon, Orphee, Etendard de Lyon.

Giant Single.—Dreadnought, Scarlet Century, Somersworth, Hall Caine, Souvenir de Paris, Manchester, Newport Beauty, Bondsman, Merry Widow, Wakefield, The Hub, White Cloud.

New Giant Gladiolus, Our Own Introduction for 1910

Mrs. Frank Pendleton, Jr.—(Originated by A. E. Kundred.) Awarded first-class certificate of merit by the Mass. Hort. Society of Boston. We are proud to have our name linked with the introduction of such a beautiful flower, and sincerely believe that up to this present moment no more exquisite color was ever offered to the public. This new variety is the result of crossing the best of the largest flowered type and is now a type of its own. In form it resembles the variety La Prophetesse, but in size it is almost twice as large. Its color is the most exquisite salmon pink with a very conspicuous blood red blotch in the throat on the lower petals. This novelty was exhibited last season at Boston, Bar Harbor and Newport and, judging from the comments made by those who saw it, it will become one of the most popular Gladiolus.

New Annual Lupins

The popularity of "Rawson's Pink Beauty Lupin" is responsible for the introduction of the following six new shades, which should be grown in every uptodate garden:

Lupin Rawson's Azure Queen.—Celestial blue.

Lupin Rawson's Harlequin. Bright scarlet, white tip.

Lupin North Pole.—Combined yellow and blue.

Lupin Rawson's Rising Sun.—Giant pink; tall, showy.

Lupin Rawson's Snowdrop.—Pure white.

Lupin Rawson's Salmon King.—Dwarf; salmon pink.

Sweet Pea, Rawson's Snowflake.—The finest and purest white Sweet Pea in existence. One can only appreciate its purity in color by placing it alongside any other white Sweet Pea. Four flowers are always carried on an extra long stem, often 15 in. in length. These flowers are produced in the greatest profusion during the entire season.

Gladiolus Mrs. Frank Pendleton, Jr.

Novelties and Specialties Offered by Peter Henderson & Co., New York

Henderson's New Early Giant Bush Lima Bean.—This newest and best Bush Lima represents the highest achievement in bean breeding. We—the pioneer introducers of the Bush Lima—have since been constantly improving them and we are now enabled to offer our patrons, in Henderson's Early Giant, a Bush Lima that has attained the acme of perfection, surpassing any other strain or type on the market. The plants, of true bush form, 1½ ft. in height, are of healthy, sturdy, upright growth — requiring neither poles nor stakes — and bear, from July until frost, almost unbelievable quantities of 5 to 6-in. pods, each containing usually four large, thick beans averaging as large as those of the large pole Limas, and whether used green or cured, they are of superb quality—tender, rich and buttery, the true Lima flavor. In the green state their tender freshness is maintained beyond the ordinary, accounted for by the pods being unusually fleshy and thick and the foliage luxuriant and sheltering. Other merits of this phenomenal Bush Lima are earliness, abundance and continuity of yield. First pickings fit for the table may be taken in the latitude of New York in July, and from that time until killed by frost a continuous supply of this most luscious of beans may be gathered.

Henderson's New Potato Early Russet.—Henderson's Early Russet we believe to be not only the earliest Potato grown but the best early Potato grown. It is a seedling of 1903, bred from two famous early varieties, and grown in Maine, the "potato paradise," which produces the best seed Potatoes in America. In earliness Henderson's Early Russet leads the field, usually being large enough for cooking in 8 weeks from planting, and in 9 to 10 weeks is fully matured. It is a very handsome Potato of rounding, oval form, very uniform in shape and size, averaging 4 to 5 in. in length—sometimes larger, seldom smaller. The eyes are on the surface and very shallow. The skin of creamy buff is netted golden russet, Nature's hallmark, as all critics know, of Potato quality—which axiom is fully sustained in Henderson's Early Russet, for the flesh is fine-grained, as white as snow, cooks dry and floury, "sheds its jacket" when boiled, and its flavor is particularly mild and delicious. The vines, while of neat, compact, upright growth, make large, healthy foliage which has so far proven blight proof. The tubers grow bunched compactly in the hill, permitting close planting, rows 2 to 2½ feet apart and hills 9 to 10 inches apart, with only one eye to a hill. Under this method the Potatoes will grow as nearly alike as peas in a pod and yield surprisingly large crops. Not the least of the merits of Henderson's Early Russet is its wonderful keeping quality. Although it matures so early, yet it will keep—properly stored—in prime condition, firm and plump, until June.

Double Self-Seeding Petunias.—This new German strain is unique from the fact that the double flowers produce seed insuring a larger percentage of double flowering plants (about 60%) than can be raised from singles artificially pollenized from double flowers which is necessary in producing all other double Petunias from seed. The flowers of these Double Self-Seeding Petunias are large—double—and include a variety of different colors.

Adnet's New Gerbera Hybrids.—*Gerbera Jamesoni*—The Scarlet "Transvaal Daisy" has for a decade been a popular plant for greenhouse culture, producing in perpetual succession throughout the year and for several years, large, gracefully petaled, Marguerite-like flowers, 4 in. across, of vivid orange-scarlet on stout stems 12 to 18 in. in length. These new hybrids, created in France by Mons. Adnet, were the sensation of the European floral world the past season, receiving great distinction wherever exhibited, including highest awards at the Paris, Berlin and London flower shows. These Gerbera hybrids possess the characteristics of the parents (G. Jamesoni × G. vividiflora) with added merits; they are hardier, make showy specimens in pots, flowering profusely in any window or conservatory where Carnations or Geraniums thrive and they even luxuriate in the garden during Summer in warm, sunny positions where they will produce a wealth of bloom from June to September. The colors include a galaxy of incomparable delicacy and richness, in which an infinity of tints, from pure white through yellow, orange, salmon, rose, cerise and ruby red to violet are represented. Sometimes the coloring of the disk differs from that of the rays. These superbly beautiful, large, long-stemmed flowers are unsurpassed when cut for bouquets and other artistic decorations; being of splendid substance, they maintain their freshness for days and if the stems are in water they last for two weeks. They are easily grown from seed—and although half-hardy perennials, will commence blooming the first season; the older plants will of course produce the greatest abundance of bloom; therefore for garden culture the plants may be wintered over safely in coldframes with Pansies, Bellis, etc.

Lobelia Erinus Compacta (Snowball).—New, pure white. This charming Lobelia forms compact little bushes about 6 inches high, which are fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture. They flower the first season from seed.

Lobelia Illumination.—A magnificent new hardy perennial, the result of a cross between our native cardinal flower, L. cardinalis and L. Queen Victoria. It grows only about 2 ft. high, each plant producing but one flower stem, strong and broad, a massive shaft compactly clothed with brilliant scarlet flowers. A group against green foliage is of striking effect.

The New Giant Moon Flower (Ipomœa maxima).—A greatly improved variety of the popular Moon Flower Vine, producing much larger flowers and in greater profusion. If grown in well enriched soil, in a warm sunny location, and given sufficient water while making growth, the vine will attain a height of from 60 to 75 feet during the Summer season, and be covered with large lush green heart-shaped leaves which will be studded from July until frost with immense saucer-shaped flowers 7 to 8 in. across, and as glistening white as disks of white satin. They are also softly fragrant. The flowers open about sunset and close the next morning. The effect, particularly on moonlit nights, is entrancingly beautiful.

Sweet Pea George Washington.—This glorious crimson scarlet self we believe surpasses all the world's Sweet Peas of similar coloring in size of flower, form, substance and in brilliant purity, untarnished by burn or scald, though grown unshaded under most trying sun. The flowers of gigantic size are true Spencers, having round, open standards pleasingly undulated from throat to border. The waved wings also are of huge size and gracefully poised over the keel, almost hiding it from view. These gorgeous blossoms are borne usually in fours, but sometimes in threes, on strong stems 10 to 12 inches in length. The plants of exuberant, healthy growth display such a continued profusion of bloom they appear for weeks as if mantled in richest scarlet.

Sweet Pea Martha Washington.—A radiantly beautiful new Spencer Sweet Pea, most daintily colored pearl white from throat to center, then appears a veiled flush of pink deepening in intensity as it merges into the marginal zone of soft tyrian rose. The standard and wings are adorned alike, front and back being tinted and colored just the same, a remarkable and pleasing characteristic; thus the flowers present the same exquisite color effect whichever way they face, in vase, bouquet or on the plant. The flowers, of lasting substance, are perfection in form and of the largest size, standards upright, open, well rounded out and beautifully waved. The wings are also very large, gracefully waved and poised, almost enclosing the keel. Usually four of these peerless blossoms are carried, well arranged on long strong stems. They vase charmingly and where shown have elicited enthusiastic encomiums. The plants are luxuriant, healthy growers, blooming long and in prodigal profusion, producing more four-flowered stems than any Sweet Pea we know of. A group of plants in bloom is a picture decidedly decorative in any garden.

Double Self-Seeding Petunia

Novelties for 1910 Offered by H. F. Michell Co., Philadelphia, Pa.

Michell's Purity Aster

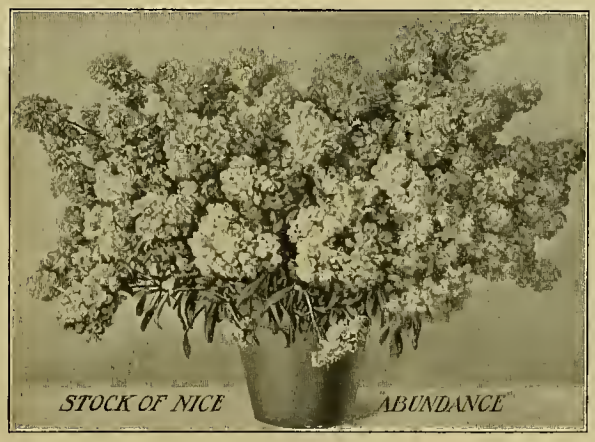
Our special strain of this valuable florists' Aster has been greatly improved since its introduction; its pure white, perfectly double flowers, which are produced on long stems, make it a valuable addition to the list of Asters for cutting.

Michell's Improved Semple's Branching Aster

Our improved strain of this well-known and popular late branching Aster has been obtained by carefully selecting each year, for stock seed, flowers of the largest size, most perfect form, and with full double centers, as well as those produced on long stems.

Novelties and Specialties Offered by Peter Henderson & Co., New York—*Concluded*

Stock of Nice "Abundance."—A remarkable and valuable new type of the Giant Nice or Continuity Stocks, possessing the same continuous flowering qualities and producing even a greater abundance of bloom which with the half-dwarf branching style of growth render it phenomenal. The plant does not make a leader or central spike but forms 12 to 15 sturdy main stems which again ramify into 15 to 20 side branches or from 180 to 300 stems and branches to a plant all carrying a wealth of superb double fragrant flowers, colored carmine rose, well grown specimens measure 2 ft. across each way. Imagination can scarcely picture the magnificent effect.



New Hardy Rose Dr. W. Van Fleet.—Dr. W. Van Fleet, the parentage of which is Souvenir du Pres. Carnot × Rosa Wichuraiana, bears flowers which, when open, run four inches and over in diameter. The center is built high, petals beautifully undulated and cupped. The color is a remarkably delicate shade of flesh pink on the outer surface, deepening to rosy flesh in the center. The flowers are full and double, of delicate perfume, buds pointed, stems 12 to 18 in., and fine for cutting. The foliage is a peculiar shade of bronze green, large and glossy, with spines a bright bronze red. The variety is a vigorous grower, immune from mildew.

New Hardy Rose Silver Moon.—Silver Moon is the result of a most interesting cross, Rosa Wichuraiana × Rosa Sinica—Cherokee Rose. The flowers run 4½ in. and over in diameter, clear silvery white in color, petals of great substance and beautifully cupped. The center is filled with bright yellow stamens, a very attractive feature. It is very floriferous, the plants literally covering themselves with great Clematis-like flowers. They are borne on strong stems, 12 to 18 in. long, and are delicately fragrant. The foliage is large and abundant, a pleasing shade of bronze green, glossy and immune from mildew.

New Hardy Ever-Blooming White Rose, Priscilla.—An American raised seedling, a cross between Kaiserin Augusta Victoria and Frau Karl Druschki. The color is a clear white, the buds are large and of fine shape, the open flower is double, and of ideal form. They are borne singly on long stems and are held upright; foliage plentiful, dark green and highly polished, delightful fragrance. We control the entire stock of this grand new Rose and offer it with every confidence that it will prove to be the most valuable white, ever-blooming hardy Garden Rose ever introduced.

New Hardy Ever-Blooming Pink Rose, Abundance.—A valuable new Rose of dwarf, compact habit and remarkably prolific in bloom. This is a cross between Clothilde Soupert and Souv. du Pres. Carnot and partakes largely of the habit of the first mentioned. The flowers are a pretty shade of pink, full and double. On account of its compact habit and freedom of bloom it will be in demand for planting on the borders where taller sorts are grown, also for low hedges. For growing in pots it will be equally valuable.

Specialty by Thomas J. Grey Co., of Boston, Mass.

Cineraria "Grey's Prize Strain"

The Thomas J. Grey Co. of Boston, Mass., have for many years devoted the most painstaking care to their selections of the so-called florists' flower seeds. Grey's prize strain of Cinerarias has certainly earned just praise wherever thoroughly tested. The individual flowers often measure from 3 to 4 in. or more in diam., and in color are most rich and brilliant. The plants are of very compact and branching habit, and as will be seen by the illustration the heads of bloom are enormous.

Besides Cinerarias, this Company have also made specialties of Primula Chinensis and Cyclamen. It may be added that their whole line of flower seeds are noted in the East for superior quality.

Novelties and Specialties Offered by Arthur T. Boddington, New York

Sweet Pea George Stark

Novelty Gigantic Orchid-Flowering Sweet Peas for 1910

George Stark.—F. F. C. and silver medal, 1908, England National Sweet Pea Society's Trials, Reading; F. F. C., Wolverhampton; F. F. C., Norwich. This variety is the finest scarlet Pea yet in commerce. The flower is bold and has extraordinary substance. The standard is nicely waved and upright, but owing to the thickness of the petal is not so crinkled as some of the Spencers. Both for exhibition and decorative purposes it is good, also stands the sun perfectly.

Marie Corelli.—The large flowers are brilliant rose-carmine or red, uniformly of true Spencer form. The wings are a pure, rich rose-carmine, while the standard shows a tint of cherry-red. The whole effect is that of a brilliant crimson, clear, distinct and most beautiful. The standard is large, round and wavy; the wings are full and inclined to remain boldly outright instead of drooping. Marie Corelli is a variety that belongs in all first dozen sets, and will become one of the standard shades in Spencers.

Senator Spencer.—The color is a varying combination of deep claret and chocolate, striped and flaked on a ground of light beliotrope. It is of the true Spencer form, wavy edges on both standard and wings; large, round, fluffy standard, long drooping wings. Both standard and wings are marked with the same colors and in the same way, with a trifle more of the wine shading in the wings. There are usually four good, large, finely formed flowers on each stem.

Miriam Beaver.—In shape, size, graceful arrangement on the stems, free blooming and seedless nature, it is in all respects the same as Countess Spencer. Its novelty is its color—a glowing but soft apricot, tinted, shaded and suffused with lemon. A little variation, perhaps, with a tint of salmon, deeper by a trifle on the back of the standard, but practically a self color. The color might be said to approach a terra-cotta tint, especially so as it harmonizes so beautifully with golden brown.

W. T. Hutchins.—This is a fine, bold, true Spencer of most perfect form and coloring. The buds show a decided buff color. The fully expanded color has the appearance of light apricot (distinctly lemon at the throat), overlaid with a beautiful blush pink. As the season advances, the blush-pink shading becomes rather more pronounced. The vigorous vines flower most freely; the stems are long and carry well three or four fine flowers. Both standard and wings are wavy, ruffled and crinkled of the most advanced Spencer type. The flowers are of the largest size; the standard measures 2 in. across by 1⅝ in. deep.

Snowflake.—A grand white variety of the Spencer type, described to us by the originators as an improved white Spencer. Immensely floriferous, sturdy and strong grower, with an average of four flowers to the stem.

Gerbera Jamesoni Hybrida.—H. H. P. First raised by Mr. Lynch, curator of the Botanic Gardens at Cambridge, England, by hybridizing the Gerbera Jamesoni from the Transvaal with G. viridifolia and then recrossing the progeny. Mr. Lynch added to the brilliant orange-scarlet of the type a series of fine new colors, including pure yellow, orange, salmon, rose, cerise and ruby red to violet. This variety is somewhat hardier than the parent form. When sowing, it is recommended to place each seed with the pointed end upward, just above the surface of the soil.

Impatiens Oliveri.—T. A. This grand Impatiens was introduced recently from British East Africa and has caused quite a sensation in Europe, where it has been exhibited. The plants are very vigorous and produce during the Summer, in the open ground, a profusion of flowers of a delicate pink color. It resembles in color and form the beautiful Orchid Miltonia vexillaria. This also makes an excellent house or greenhouse plant for Winter use.

Leucanthemum Maximum Semiplenum (The Semi-double Shasta Daisy).—H. P. This is a grand type of the Shasta Daisy. The flowers are quite large, with three to six rows of ray florets; are snow-white with a small yellow disk. The stems are long and wiry. It will make an excellent companion for the single Shasta Daisy, and is perfectly hardy. It is strongly recommended as a cut flower.

Salvia Splendens Nana Compacta Triumph of Italy.—This is a grand Salvia from Italy; the novelty is its unique color which is a splendid vivid rose-lilac. The plant grows to about 20 in. in height, is free flowering and compact in form, an excellent bedding variety.

Salvia Patens Compacta Nana.—This novelty is a great improvement over the well-known Salvia patens. The very robust-growing plants are extremely free flowering. If sown early under glass, the plants, which grow to a height of 18 in., begin to bloom in early July. On account of the very compact and regularly formed plants, it produces an unusual number of flower stems, on which you will always find from three to five open flowers. The plants are so much more compact and dwarf than the type that the flower stems are considerably longer and freer, surmounting luxuriant dark green foliage. On account of the rare color, namely, navy blue, this novelty, no doubt, is extremely desirable and should be one of the best Fall flowers for the garden.

(*Concluded on page 361*)

Aster Hercules (Rosy Lilac).—This grand novelty is the first break from the Grand White Hercules Aster which we introduced some years ago. The color is a splendid delicate rosy lilac. The plants are compact and semi-dwarf, not exceeding 15 to 20 in. in height. In addition to the enormous flower of the main stem, this Aster produces five to six long-petaled lateral flowers, measuring 5½ to 6½ in. across, of the most perfect form. The Hercules Aster is one of the grandest varieties of the Giant Hohenzollern type ever introduced, and we are sure that it will find favor with all lovers of good Asters.

Begonia Boddington's Crimson Bedder.—H. H. P. A new strain, with small foliage and glowing scarlet-crimson flowers; as a bedding plant this variety is worth growing for its rich russet-crimson foliage only.

Cleome Gigantea Hybrida.—These are new hybrids of the well-known Cleome gigantea from South America. The plants vary in color from pure white to lilac, pink and purple. Sown during the early Spring, these hybrids reach the height of nearly 6 ft.

Glaucium Sutton's Scarlet (Horned Poppy).—H. A. Height, 2 ft. Quite the brightest color of all the horned Poppies. The large flowers are of a brilliant orange-scarlet; succeeds well as an annual, but an Autumn sowing gives the finest specimens.

Group of Cut Asters Grown from Boddington's Famous American Strains, at the Summer Exhibition of the Croydon Horticultural Society, London, England, From Seed Supplied Exclusively by Arthur T. Boddington

Novelties Offered by W. Atlee Burpee & Co., Philadelphia

Wherever the above name is mentioned the mind instinctively reverts to "Seeds that grow." That the business of this well-known seed house continues to expand is evident from the fact that Mr. Burpee recently announced that more and still more room was needed and plans have already been made to take over the real estate recently purchased, which includes all the property north on York ave., also the building on North Fifth to Buttonwood sts., which with the warehouses now occupied give an additional frontage of 280 ft.

Howard Earl, who is as much a part of the Burpee establishment as are the seeds, enters with great enthusiasm on the subject in which he is so well versed, and was courteous enough to give to the writer, for publication in The Florists' Exchange exclusively, two of their prize-winning photographs, Burpee's New Earliest Catawba Corn and Burpee's Unique New Tomato, "Dwarf Giant," showing 52 perfect fruit of this nearly seedless variety. Speaking of these two photos. (reproduced in this issue), Mr. Earl says they fully prove the possibilities of these two vegetables, even to the most skeptical.

To name or describe all the seeds handled by this concern would fill four such papers as The Florists' Exchange, so that at this time a general idea only can be given. No line of vegetable seed is allowed to suffer for want of suitable varieties to meet the various wants of patrons, who write from all parts of the globe, and nothing is listed in the catalog (sent upon request) that has not already been tried out in the trial grounds at Fordhook, to visit which farms in the Summer time is a trip equal to a week's vacation. Systems are in vogue there which not only result in the best possible production, but which also result in the elimination of all unnecessary and useless varieties, many of which, although they prove a partial success, but cannot be depended on to meet with universal satisfaction, are promptly discarded.

Burpee's Unique New Tomato Dwarf Giant

Sweet Pea Miriam Beaver

Contracts are let for the growing of seeds of every kind, to men who are peerless in their class, and of late years these contractors have proved their value by producing seeds which, wherever sown, give the best satisfaction. It is generally known that, in order to produce seeds in quantity sufficient to enable the firm to fill its ever-increasing orders, thousands of acres would be needed, while the idea of growing all varieties of plants for seed would entail the employment of an army of experienced help, thus the plan to distribute these contracts to specialists, each in their line, has proved very beneficial, not only to the firm, but to its patrons, who are thus assured that every packet is filled with the best seeds obtainable, grown in soil and climates best adapted for them.

The recent establishment of a new farm at Lompoc, Cal., for the obtainance of seed for which that State is famous, and which has been placed under the supervision of Edwin Lonsdale, is another step in the right direction and furthers the policy of the firm in securing "Seeds that grow."

No one seed can be said to receive more attention than another at the hands of the Burpee Company unless it is the Sweet Pea. The

(*Concluded on page 361*)

Sweet Pea Marie Corelli

Novelties and Specialties Offered by Vaughan's Seed Store, New York and Chicago

Carpinteria Pole Lima, Natural Size

New Green-Seeded Pole Lima Carpinteria.—The most perfect pole Lima Bean. The distinctive feature of this new Bean is the green tint on the Bean, which color it retains in the dry or ripe state to a greater extent than usual. The green color in Lima Beans is indicative of fine quality, and this new sort possesses the desirable qualities looked for in pole Limas more than any other pole Lima Bean now before the public. Prolific as any white Lima; the vines are very strong, vigorous in growth, with many large runners or branches on which are produced an immense quantity of pods, filled with three to four, usually four, large, broad beans. The seed or bean is broad, much thicker than the ordinary pole Lima, and comes nearer to having every bean perfect than any other pole Lima. The Carpinteria Green Seeded Large Lima originated with Henry Fish of Carpinteria, California, in 1906, as a sport in a crop of bush Lima Beans. Mr. Fish recently produced two notable dwarf bush Lima Beans.

New Rambler Rose Lady Gay

Dimorphotheca Aurantiaca, The Golden Marguerite.—A rare and extremely showy annual from South Africa, soon to become a great favorite on account of its very easy culture and beautifully colored flowers. The plants grow 12 to 15 in. high and are very profuse in flowering. Its Marguerite-like blossoms, 2½ to 2¾ in. in diameter, show a unique glossy rich orange gold, which brilliant coloring is rendered the more conspicuous by the dark disk surrounded by a black zone. Well adapted for groups or borders, it produces its pretty flowers very early after being planted out in the open ground in sunny situations and will continue to flower during the Summer months. A bed in full bloom is a magnificent sight on bright days.

STOCKS

Prince Bismarck, Goldball.—For a cut flower grower this is the best novelty. Bismarck Summer Stocks grow into pyramidal bushes about 3 ft. high, with magnificent flower heads which are very large and canary yellow. It blooms throughout the whole Summer and continues until late in the Fall.

Prince Bismarck, Lavender.—Like the above but a beautiful lavender.

New Stock Prince Bismarck

Prince Bismarck, White.—This new Stock is of robust pyramidal growth, attains a height of 30 in., produces many flower spikes covered with large, pure white double flowers. The plants begin to bloom when other Ten Weeks' Stocks have stopped blooming, continuing until late in the Fall. The percentage of double flowers is larger than that of any other Stocks. Our illustration is produced from a plant that was taken from a closely planted bed. If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes with long and large flower spikes.

New Rambler Rose Lady Gay.—A seedling from the popular Crimson Rambler, which it resembles in habit and hardiness. The flowers are of a delicate cherry pink color, changing to a soft white. Rich glossy foliage. The effect of a plant in full bloom, with the combination of the soft white flower, the cherry pink buds, and the deep green foliage, is superb. The plant is a vigorous grower and perfectly hardy. The flowers are very numerous and of good size; they are also delicately perfumed. This is a Rose of highest merit, equal in all ways, and in some superior to the Crimson Rambler. This is a new color in a Rose, which will endure. It forces well and made a grand display at the Boston Rose Show.

Forget-Me-Not Ruth Fischer.—It is of particularly neat and compact habit and the lovely flowers shoot up strongly over the glossy dark green foliage. Displayed in large corymbs, they measure about half an inch across, and are therefore larger than those of any Myosotis hitherto known. The color is a pure Forget-me-not blue. Ruth Fischer can be easily forced, and not only sells well as a pot plant, but is also excellent for cutting and for planting in hanging baskets.

Little Marvel Pea

Peas, Little Marvel.—A new early dwarf Pea which is surely going to take a place ahead of the popular Nott's Excelsior and American Wonder sorts. The season is the same as the above mentioned kinds. While the pods are larger, the peas are quite similar; they usually run, however, two to a pod more than Nott's Excelsior, and are of equal, if not superior flavor. The vines are wonderfully prolific and bear a heavier crop than the two older sorts. Added features of great value are: pods are a dark green color, and both the pods and the peas keep in edible condition at least a week longer than Nott's Excelsior, which must be eaten within three days when ready.

Shasta Daisy, Burbank's New Double Fringed.—This new one is an absolute perpetual bloomer throughout the whole year wherever it has a chance. In fact, the blossoms must be cut or it will blossom itself to death. The blossoms can be cut by the armfuls. About one-third will come double, balance extremely large single fringed flowers.

Petunia Hybrida Norma.—A small-flowered Petunia forming medium-high, compact bushes covered with numerous blue flowers, regularly star striped with white during the whole Summer. For decorating verandas or for bedding of great value.

Petunia Norma

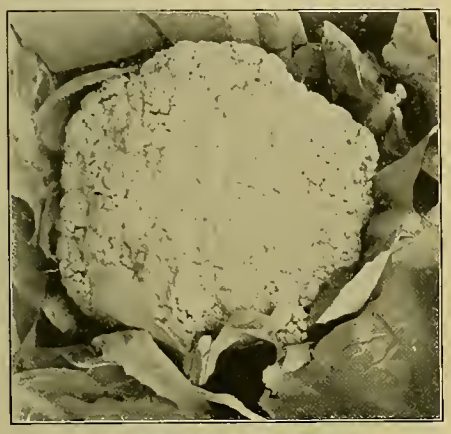
Novelties and Specialties Offered by Burnett Bros., New York

Burnett's New Cabbage "Bass Rock."—As a second early variety this Cabbage has no equal. It matures a few days later than Early Summer, is much larger and a sure header. For quality and evenness in size it is, without doubt, the finest of the flat-headed type grown either for Summer or Winter use, being absolutely perfect in every respect.

Cucumber, Burnett's "North Pole."—We claim that this variety is one of the finest in existence and cannot be exceded for exhibition or private use. It is most prolific, the fruit smooth and of dark green color, medium length, excellent form and exquisite flavor.

Leek, Waverley Market.—A grand exhibition variety with long, thick, snow white stems. Waverley Market grows to an immense size, with dark green leaves, thus differing from all other varieties. It is hardy and productive, a good keeper and of excellent flavor. Waverley Market is superior to any Leek yet offered.

Cauliflower, Snowball, "Burnett Selected Strain."—No other Cauliflower at the present time is so widely known as Snowball, having supplanted all other sorts for early and late planting. For forcing under glass and growing in frames for early use it has proved superior to all. Its dwarf, compact habit and short outer leaves allow it to be planted closer in the same space of ground than other varieties. Heads pure snow white of the finest quality. Our strain of Snowball we can recommend with the utmost confidence.



Early Snowball Cauliflower

New Lettuce, Balmoral.—In recommending this grand new early head Lettuce we can safely say that for forcing or outside planting it is unequaled. The heads are of medium size and very solid; outer leaves light green with golden yellow heart. It is crisp, tender and of perfect quality. Give it a trial and prove its excellence.

Balmoral Lettuce

Salvia, Burnett's "Forest Fire."—For effect Forest Fire is unsurpassed. The plant, when in full bloom, is about 3 ft. high. The individual spikes, which are of a brilliant scarlet, measure 6 in. across and are produced in such quantities that they wave gracefully with their weight, giving the plant a glistening appearance. For massing or planting in groups Forest Fire is the most effective.

Burnett's New Cabbage, "Bass Rock"

Onion, Burnett's "Enormous."—In introducing this new variety we have confidence that it is the best ever offered. Its *enormous* size and superb quality will no doubt make it a decided acquisition to the exhibitor. The skin is pale, straw-colored; flesh snow white, of firm substance, and delicate flavor; an excellent cropper, and without doubt the premier Onion of today.

Burnett's "Enormous" Onion

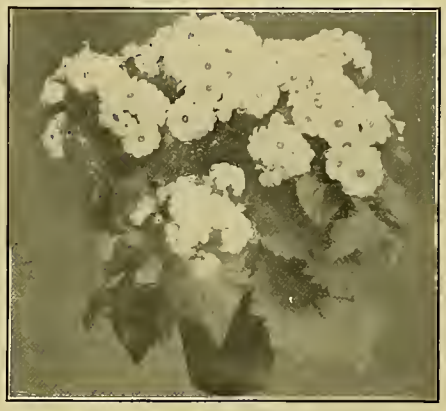
Burnett's New Tomato "Liberty."—Tomato Liberty, introduced by us two years ago, holds undisputed reputation as the best main crop variety in cultivation. It was largely grown last year by many competent private gardeners throughout the country, who claim it to be one of the finest novelties ever offered. It is an exceedingly heavy cropper and bears abundantly until very late in the season. The fruit is of a glossy red color, of immense size, perfectly round, uniform in shape, solid and meaty; of superb quality, with few seeds and borne in clusters of from 8 to 10 large Tomatoes. Liberty has won prizes and certificates of merit wherever shown and will be found the leading variety for exhibition purposes. All our patrons who have grown Liberty claim it to be entirely distinct and far superior to all other sorts.

Tomato, Burnett's "Red Ensign," an Ideal New Forcing Tomato.—The fruit is of rich crimson color, delicious flavor, and free from the hard core so frequently found in Tomatoes. Red Ensign is one of the earliest and most prolific, the fruit hanging in broad, handsome sprays, of medium size, not too large or too small and remarkably even. We can thoroughly recommend Red Ensign as the best for forcing purposes, possessing all the good points that a Tomato should have.

New Parsley, Burnett's Emerald Isle.—This Parsley is of a beautiful dark green color and more densely curled than the older sorts. The plant is dwarf and very compact, making it most desirable for planting indoors, or for a neat border in the vegetable garden. Statistics received last season show that Emerald Isle, planted at the same time and under the same conditions, germinated quicker than any other variety.

Brussels Sprouts, Burnett's Supreme.—The finest selection offered. Seed saved from perfect specimens, producing large, solid sprouts, which are firm and do not burst, of delicious flavor; the growth is dwarf, robust, compact habit, and very hardy. This variety cannot be surpassed for exhibition purposes.

Beet, Burnett's Improved Crimson Globe.—An exceptionally fine early Beet of medium size, with small tap root, of uniform shape and deep crimson color. It is sweet, tender, a good keeper and far superior to any other variety for table use.



Burnett's Exhibition Strain Cineraria

Cineraria Hybrida, Burnett's Exhibition Strain. Our strain of this highly prized greenhouse plant we can recommend as being superior to any other. The seed is selected with the utmost care by one of the leading growers in Europe, who has made wonderful improvements in Cinerarias within the past few years. The plants are of compact growth, with fine cut foliage; flowers perfect in form, embracing all the most beautiful and delicate shades.

Stock, Burnett's Perpetual White.—This magnificent Stock has given splendid results wherever grown. The seed is saved from plants grown under glass and is certain to produce over 75 per cent. double flowers. The plants grow from 2 to 2½ ft. high and throw up a main flower spike of from 12 to 18 in. long. For forcing purposes this Stock is unrivaled.

Pansy, Burnett's Gorgeous Strain.—The seed offered by us of this grand mixture contains a most beautiful collection of colors and markings not found in any other and we are confident that for perfection of form, firmness of texture, freedom of bloom and beauty of shades, it excels all others.

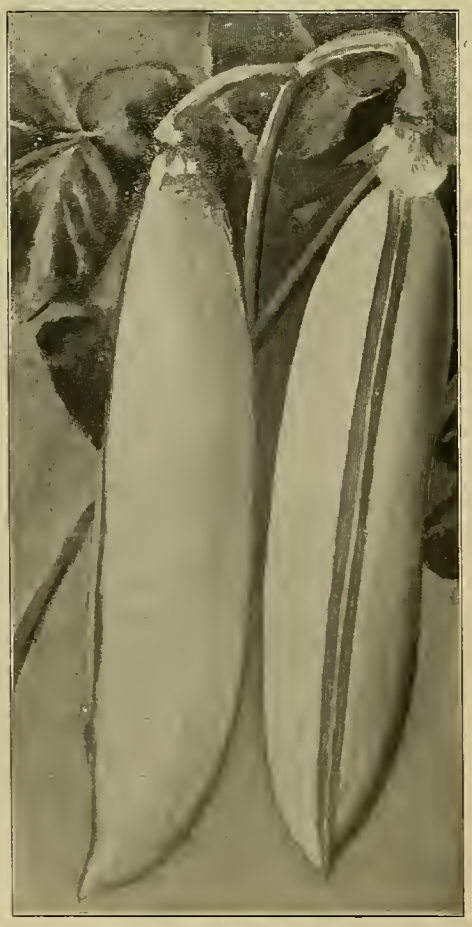
Pepper, Burnett's "Monarch."—An extremely large and handsome Pepper, of a bright scarlet color; flesh thick, very mild and remarkably sweet, without the least trace of fieriness. This Pepper is much larger, more uniform in shape and superior in quality to any now on the market; an ideal variety for exhibition.

Burnett's Gorgeous Pansy

Novelties and Specialties Offered by H. E. Fiske Seed Co., Boston, Mass.

Cucumber, Forcing White Spine.—This seed is all grown in the vicinity of Boston, where "Hothouse Grown Cucumbers" are produced in abundance and to perfection. This strain has been with one of our leading market gardeners for several years, and it is his own selection, from the point of prolificness and uniform shape. It is longer than the ordinary forcing strains and is very dark green, slightly spined. It is excellent for shipping, holds its color, does not have that faded-out appearance. It is a strong grower. The average length is about ten inches; holds its color and brittleness long after being cut; makes it of great merit for shipping. For outdoor growing it is a superior variety, as its size and appearance make a demand.

Pea, Golden King. A new wrinkled Pea with golden yellow pods. The originator says: "This new Golden-podded Pea, which I have raised and cultivated for four years, cannot fail to occupy a prominent place. It is not only a new, but also a really good thing, and apart from its startling beautiful appearance, it belongs to the highest type of our present-day wrinkled Peas. The plant is 4 ft. high and perfectly even, healthy and vigorous of growth, with bright green vines and foliage. The pods are of a uniform, shining, deep golden yellow color, with the characteristic mark of a sharply defined bright green line along the seam. They are fully as large and plump as those of the Telephone Pea, and contain eight to nine large green wrinkled peas of that superior flavor belonging to the Telephone and Duke of Albany type. It matures at the same time as Telephone. Golden King Pea comes perfectly true from seed, producing no sports whatever and making a remarkably even and uniform crop."



Golden King Peas

Worcester Pole Bean

Pea, Violet Podded Negro.—We have never grown this Pea on our trial grounds, but we take the description given us by the introducer, who says: "I noticed some years ago among my Pea trials an exceptionally vigorous and productive plant, bearing pods of a deep violet tint, which stood out in bold relief from the green foliage. I saved the seed, and afterward selected the produce and the careful examination I have made of this Pea confirms my belief in its good qualities. Although the pods are of a purplish violet the peas are green. The distinct color is helpful in gathering the Peas, and one is sure not to leave any pods on the plant. The vines are about 3½ ft. high, bearing pods that are about 2½ in. long, and well filled with peas very tightly packed; the pods are always borne in couples. It is of good quality and very productive. It is not only a curious variety but a meritorious one which will quickly take its place in all the vegetable gardens."

Beets, Crosby Improved Egyptian.—*This is the best extra early variety* grown for this market. Has a small top and excellent form and a small tap root; is in every way a great improvement over the old variety of Egyptian Beet. It was improved by the late Josiah Crosby of Arlington, Mass. Our stock is all grown with great care as to *trueness of shape and color.*

Beets, Crosby Improved Egyptian. (Special Market Gardener's Strain.) Selected with the greatest of care as to color, shape and earliness.

Bean, Worcester Pole. *For the market gardener the best Pole Bean in cultivation.* Originated in Worcester, Mass., where it was grown for several years by one of the leading market gardeners there. They will command from twenty to twenty-five cents more per bushel than any other variety of Pole Beans. A vigorous grower and very productive. Pods are very large, exceedingly bright and hang in clusters. As a Shell Bean it is unequaled for tenderness. Dry Beans splashed bright red.

Cabbage, Savoy, Globe Curled.—*The favorite for market gardeners.* Leaves are wrinkled and dark green. Heads very hardy and improved by frost. Excellent quality and sure header.

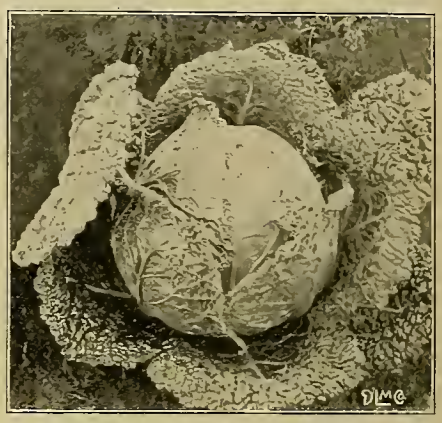
Sweet Corn, Crosby Extra Early, or Boston Market. (Josiah Crosby Strain.) *Excels in quality the extra early varieties.* Ears are rather short, averaging from twelve to sixteen rows of rich sugary flavor; very productive. One of the best for canning, and we believe without a rival in the extra early varieties.

Carrots, Danvers Half Long Improved (stump root). *For a general crop the best; the largest yield; the most profitable for the market gardeners.* Roots medium length, deep orange, tapering uniformly to a blunt point; smooth and handsome. Flesh sweet, crisp and tender. The Danvers Half Long originated in Danvers, Mass., where the raising of Carrots is a specialty. It is now grown largely everywhere on account of its great productiveness and great adaptability to all classes of soil. Great care has been taken in the selection of roots for seeds.

Celery, Boston Market. *It is superior in quality to all other varieties,* and is very popular with the market gardeners. It is unexcelled for its tender, crisp and succulent stems and its peculiarly mild flavor. It forms a cluster of heads instead of a single large one. It must be blanched by earthing up at least four or six weeks.

Field Corn, Longfellow. Very largely grown in New England; is eight rowed, yellow kernel and good size. Cob is quite small and ears are from 10 to 15 in. long. Ripens excellently in Massachusetts.

Lettuce, Hittenger's Belmont. An excellent forcing variety, dark green leaves and almost a sure header. One of the largest plain leaf heading varieties.



Globe Curled Savoy Cabbage

Onion, Ailsa Craig.—This is one of the largest Onions grown. It is a very handsome, oval-shaped Onion, with pale straw-colored skin. For exhibition it is unexcelled. In England it is the most popular large Onion grown. To attain its largest size it should be sown early in the Spring in the hotbed and later transplanted in the open ground. Under the same conditions bulbs are produced which are much larger and more shapely than the Prizetaker. For so large an Onion it is an excellent keeper, a large yielder, and for those who like onions raw we can highly recommend the Ailsa Craig, on account of its mild and acceptable, pungent flavor. Market gardeners who have started this Onion early are able to compete successfully with the Imported Spanish Onion. Our seed is all grown in England from selected stock.

Full Measure Beans.—The plant is hardy, prolific and produces the pods early, following only a few days after the Burpee's Stringless Green Pod. The pods are long, straight and handsome, are meaty and good quality; is very thick, flat or almost a semi-round. The pods are stringless, very productive. Quality, stringless and productiveness should be sufficient to recommend this to every planter.

Longfellow Corn

Novelties and Specialties Offered by Wm. Elliott & Sons, New York

Antirrhinum Majus Ruby.—A strikingly beautiful new variety and main color of the very popular Tall Snapdragon. The flowers are self-colored, bright ruby red, and of surprising effect. This novelty is at the same time a charming plant for tall beds and groups, and highly valuable as a cut flower.

Antirrhinum

Brachycome Iberdifolia Little Blue Star.—This charming annual will be found a grand addition to the bedding section. The flowers are of a beautiful bright blue, star shaped; very effective plants, compact and free flowering. A great improvement on the old variety B. iberidifolia.

Myosotis, Ruth Fischer

Myosotis Ruth Fischer.—Plants of particularly neat and compact habit. The dark blue flowers measure ½ in. across and shoot up strongly over the glossy dark green foliage. Excellent for pots as well as for bedding.

Ricinus Panormitanus.—A cross between R. Cambodgensis and R. Zanzibarensis combining the colors of the former and the gigantic dimensions of the latter. The plant has a noble upright habit, and when fully developed forms a huge symmetrical bush of wonderful ornamental aspects.

Marigold Single Grandiflora Beauty.—The flowers are large and beautifully striped golden on brown. The plant is of compact habit and very showy.

Stokesia Cyanea

Begonia Gracilis Luminosa.—Large, bright, deep scarlet flowers and magnificent satiny, brownish red foliage.

Begonia Gracilis Prima Donna.—This variety was obtained by crossing B. semperflorens White Triumph with Gracilis luminosa. The plant is of very sturdy and even habit, growing to about 10 ins., and forming a freely branching bush, 10 to 12 ins. across. The characteristic feature is its uncommonly large flowers which are of a limpid rose, shading to carmine toward the center. Extremely early variety and comes true from the seed.

Gypsophila Elegans Carminea. A carmine flowering variety, much brighter than the old variety G. elegans rosea, a great improvement. The plants grow from 10 to 12 ins. in height and are covered with bloom. Very useful for bouquets.

Stokesia Cyanea (Cornflower Aster).—This is not new, but is a rare and beautiful hardy perennial; it is well worthy to be classed as one of the season's best specialties. The plant grows about 24 ins. high, each bearing from 20 to 30 handsome lavender blue cornflower-like blossoms; in bloom from July till frost. Indispensable for cutting.

Elliott's Early Snowball Cauliflower

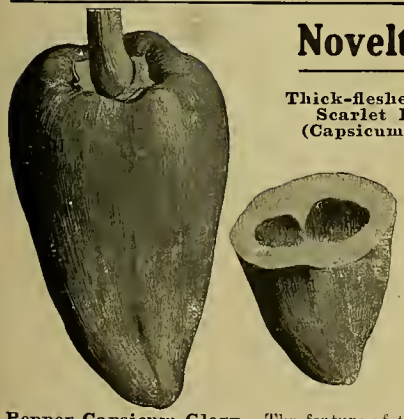
Cauliflower, Elliott's Early Snowball.—An extremely early dwarf variety, producing magnificent white heads of the finest quality. The standard variety for general use.

Carrot, Elliott's Earliest French Forcing.—Earliest of all varieties, and especially adapted for forcing: delicate, fine grained and remarkably fine flavored.

Lettuce, Elliott's Hothouse.—This is the best variety for growing under glass; forms a large-sized head with a good solid heart, which is not liable to rot: delicately crisp, tender and fine flavored; combines all the qualities to make it the best Lettuce that can be grown.

Parsley, Elliott's Emerald Evergreen.—Distinct, handsome bright green, finely cut and very curled, mosslike leaves. Plant of dwarf habit, productive and unsurpassed for either private use or marketing.

Novelties and Specialties Offered by Ernst Benary, Erfurt, Germany



Thick-fleshed Large Scarlet Pepper (Capsicum Glory)

Pepper Capsicum Glory.—The feature of this novelty is the thickness of the flesh of the fruit. The fruit surface is perfectly smooth and free from wrinkles. Mild in flavor, and of a brilliant deep scarlet cover, the fruit is excellent for salad as well as for the usual culinary purpose.

Lobelia Illumination

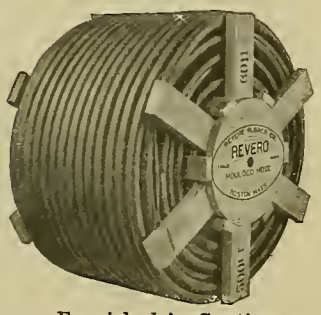
Lobelia Illumination.—This is a cross between L. cardinalis and card. Queen Victoria. It is dwarfer than the latter, hardly exceeding 2 ft. in height, and produces one very strong and broad stem only. The foliage is almost as dark as Queen Victoria. When the plant is 1 ft. high the glowing scarlet flowers commence to expand, and form a fiery, torch-like shaft of striking appearance.

Begonia Gracilis Prima Donna.—Obtained by crossing the white B. semperflorens Triumph with the dark red B. gracilis luminosa. The variety is of sturdy and even habit, and grows about 10 in. high, 10 to 12 in. across. It bears large flowers, of a limpid rose color, shading to carmine towards centers. The blossoms appear extremely early and make a free and continuous display. Superior for bedding and pot culture.

Begonia Prima Donna

New Ideas in the Manufacture of Garden Hose by the Revere Rubber Co. of Boston

This well-known firm has placed on the market a garden hose known as "Revero," in the construction of which they have made quite a departure from old methods. This hose has several new features not found in any other water hose, chief among which is the special double braided covering of tightly twisted cotton yarn which is applied over a seamless tube of very high-grade rubber. The braiding is of a special design and the fabric clings so closely to the tube that separation between it and the rubber is almost impossible. Outside of this braiding is the covering of tough flexible rubber which will withstand great wear and abuse. The hose is then vulcanized in patented moulds of the firm's own design under extreme internal pressure which thoroughly unites the rubber and fabric. "Revero" is the only hose that is made by this process, which gives it great flexibility and strength, with the minimum amount of weight, which is one of its principal claims for superiority.



Furnished in Continuous Lengths of 500 Feet

Old Style—Readily Kinks

The complete hose is vulcanized in our patented rigid moulds under a very high pressure. By this process the pressure exerted from the inside forces the rubber lining and cover through the fabric, when it is then vulcanized, thus making a compact, homogeneous body.

Advantages.—A combination of durability, strength and light weight with remarkable flexibility. It has no tendency to separate between the plies as does hose of the old wrapped duck construction, and less tendency to kink when bent at sharp angles. Furnished in continuous lengths, thus avoiding unnecessary couplings and loss from remnants. Uniform product throughout with no weak points to develop defects.

"Revero" Non-Kinking

Note These Advantages

1. A heavy seamless tube of high-grade rubber, of well-compounded stock that does not develop pin-holes or other defects.

2. A seamless braiding of special tightly twisted cotton yarn.

3. A layer of tough rubber friction that thoroughly unites the two braidings.

4. Second braiding of tightly twisted cotton yarn.

5. A seamless cover of tough durable rubber of a proper gauge to withstand abuse without sacrificing flexibility.

Novelties and Specialties, Bridgeman's Seed Warehouse, Rickards Bros., Props., New York

Rickards Bros.' Ball of Snow Cauliflower. — The earliest Cauliflower in cultivation, producing the finest of snow white heads.

Rickards Bros.' Invincible Frame Cucumber.—This fine forcing Cucumber is a very prolific thin skin variety, ripening to the tip and of a fine deep green color, with very little neck.

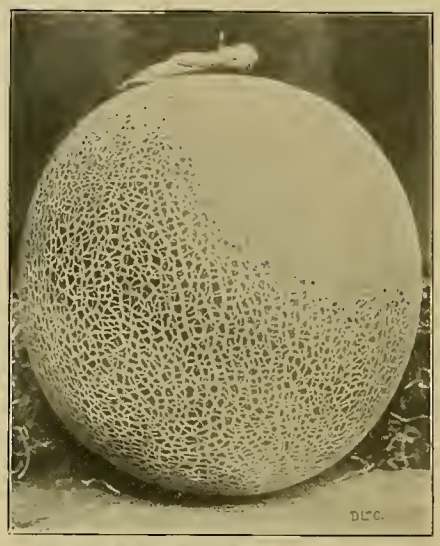
Rickards Bros.' New Head Lettuce.—This is a fine variety for either outdoors or forcing under glass, producing fine, large, solid heads. Crisp and very tender.

Rickards Bros.' Forcing Muskmelon Elite.—A forcing Melon of superior quality, prolific and the proper variety for the epicure. Flesh beautiful orange, and flavor delicious.

Rickards Bros.' Improved Emerald Gem Muskmelon.—The strain of this popular Melon which we offer is the result of years of careful selection from Melons grown under glass, and we can assure our customers that its flavor is unsurpassed. We strongly recommend it for greenhouse culture.

Rickards Bros.' Extra Early Tomato.—A very fine, large, smooth, solid, bright red variety, of excellent quality, and very early. This is a grand variety for greenhouse culture, the fruit hanging in clusters. It is also very productive. We strongly recommend it for private use.

Rickards Bros.' Ball of Snow Cauliflower



Rickards Bros.' Forcing Muskmelon Elite

Improved Primula Obconica Grandiflora Tuxedo.—This is certainly an improved strain of this grand flower and it took a special premium at the National Gardeners' convention, held in New York in 1909. Color beautiful lavender. We can safely recommend it.

Eschscholtzia Erecta Compacta. Dainty Queen.—The color is a tender blush or pale coral pink, slightly deeper toward the edges with a groundwork of delicate cream, and, like Intus rosea, is quite the same shade inside the flower as outside, so that the effect in color is the same when the flower is open as when closed, which is quite unusual in all other Eschscholtzias.

Eschscholtzia Dainty Queen

Phlox Stella

Novelty Offered by Ernst Benary, Erfurt, Germany

Dwarf Star Phlox Stella.—This is a variety with splendid bright scarlet flowers, a color strongly resembling that of the popular dwarf sort, Fireball. Suited both for dwarf groups and pots.

Specialties Offered by The Schlegel & Fottler Co., of Boston, Mass.

S. and F. Co.'s Yellow Globe Danvers Onions

This company has always made a specialty of those vegetable seeds for which the State of Massachusetts is rightly famous. For so many decades has such painstaking care been bestowed in making seed stock selections of Onions, Carrots, Cabbages, Beets, Sweet Corn, and other leading vegetables for the Boston market, that a state of perfection of type in these varieties has been reached that is almost unbelievable to those who have not closely followed the matter, year by year. The following is a partial list of those vegetable seeds for which the Schlegel & Fottler Co. are noted:

S. and F. Co.'s Danvers Half-Long Carrots

Lettuce, Tennisball, Black-seeded.—The most popular for open air culture; it forms a handsome compact head, with very few outside leaves, and is crisp and tender.

Lettuce, Tennisball, White-seeded.—An excellent variety grown about Boston for forcing and heading under glass; good size, firm heads, and very white and crisp.

Onion, Yellow Globe Danvers. The variety most extensively grown around Boston, and in many other sections; an early round variety, with very small neck; ripens early, and very uniformly; yields large crops, and keeps well.

Beet, Crosby's Egyptian.—This variety is as early as the original Egyptian, but by careful selection has been made thicker and of better quality. For early use, either for market or for family gardens, this variety easily takes the lead. It is very popular among market gardeners.

Beet, Edmand's Turnip Blood.—Seed grown from originator's choice stock. This variety is thoroughly fixed and uniform in type. The flesh is deep blood-red in color and exceedingly sweet and tender. It is round, smooth, of good market size, and does not grow over large.

Cabbage, Fottler's Brunswick.—Introduced by us many years ago. A general favorite throughout the country; the earliest Drumhead of large size; small stems; sure to head.

Cabbage, Warren's Stone Mason.—An improvement on the old strain of Stone Mason; a strictly reliable variety, rounder in shape and very solid.

Carrot, Danvers Half-Long.—The best variety for general crop; is of rich color, and a good keeper; yields larger, and is easily harvested.

Celery, Boston Market.—The dwarf, branching variety grown so extensively about Boston. It is unequaled by any other sort, being solid, crisp and of excellent flavor; its compact, dwarf habit allows closer planting and requires less earthing up than taller sorts.

Sweet Corn, Early Crosby.—We offer the true Josiah Crosby stock only. Very dwarf, with ears set very low; ears twelve- to sixteen-rowed, of good size, with white kernels. Sweet and of excellent flavor. This has been for years the standard sort for the Boston market.

Sweet Corn, Potter's Excelsior (Squantum).—Medium late; grows to good height, and yields numerous ears; sweetest Corn in list; twelve-rowed ears of moderate size; requires liberal seeding as it is delicate as to germinating.

Cucumber, Arlington Extra White-spined.—A strain of White-spined which has been improved through many years of careful selection, with a view to use for forcing in hothouses and frames. Our stock produces very handsome dark-colored Cucumbers, which excel in crispness and flavor.

Cucumber, Forcing White-spined (Private Stock).—One of the most valuable yet offered for forcing. It is also excellent for outdoor culture. It is somewhat longer than our Arlington Extra White-spined, and remarkably uniform in shape; color very dark green; flavor the best.

Parsnip, Arlington Long White.—The best variety for general use; long, smooth, and free from coarse roots.

Radish, Early Scarlet Globe.—An excellent forcing variety; brilliant scarlet; fine globe shaped, with small top. Very crisp and tender.

Spinach, Round Thick Leaf.—This variety gives the best results. The leaves are large, thick and somewhat crumpled, and it is equally good for Spring or Autumn sowing. Slow in going to seed.

Ruta Baga Turnip, Sweet German.—Rather more globe-shaped than White French, and has a coarser appearance; white-fleshed, and most excellent in flavor. The variety for which Cape Cod, Mass., is famous.

Chrysanthemum Mrs. Jane Cockburn

Five years ago the firm of Samuel Cockburn & Son, Woodlawn, N. Y. was fortunate in securing from its stock of Glory of Pacific 'Mums, a very fine sport, an illustration of which is presented herewith. The flowers of this sport, now named Mrs. Jane Cockburn, have been very favorably received in the wholesale market of New York, its shipping and keeping qualities being points highly in its favor. In color it is a deep pink, and on the exhibition table of the New York Florists' Club, it scored 79 points, commercial value, while at Philadelphia and Baltimore equally as good pointing was awarded it. From the appearance of a house of this Chrysanthemum in bloom last Fall the opinion is formed

Chrysanthemum Mrs. Jane Cockburn

that it is a variety which will figure conspicuously in the market, and among the growers, owing to its uniformity of growth, color, and easy culture. Its season of "finishing" is from Oct. 1 to 6, and even in well or fully developed flowers it maintains its color to the last. The petals have a quilled effect, and become reflex as the flower develops, as shown in the illustration. In height, the plants grow from two to two and one-half feet, making it very desirable for side bench planting, especially where headroom is lacking. The stock of this 'Mum is now being disseminated.

Gladiolus Fireside and Princess Sandersoni

These novelties are introduced by B. Hammond Tracy of Wenham, Mass. Fireside is a red variety of intense cherry shade and most excellent for massing.

Princess Sandersoni is an unusually fine variety, pure white, slightly penciled with crimson, and very graceful.

Other recent novelties in Gladioli introduced by Mr. Tracy are Harvard, an exceedingly large and beautiful crimson; Kathryn, a rich light heliotrope; Dawn, a beautiful rose pink of large size; and Maiden's Blush, a very large flesh-colored variety.

These two novelties were illustrated in our issue of July 31, page 142.

Novelties and Specialties Offered by Walter P. Stokes, Philadelphia, Pa.

Stokes' Bonny Best Early Tomato

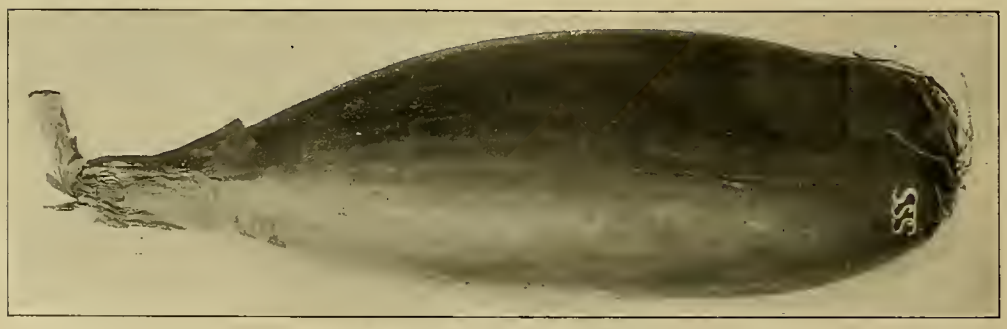
Stokes' Bonny Best Early Tomato.—This variety has more than met my most sanguine expectations. It was offered for the first in 1907, and from every section where it was sent it has made good. It is fully ten days earlier than "Chalk's Jewel." It is a vigorous grower, enormously prolific and with splendid foliage, which will protect the fruits from the hot sun on days when other varieties, with less foliage, would scald. As a shipping Tomato it will be found to be one of the very best, as the entire picking will grade into the same crate, owing to its remarkable evenness of size. In color it is an intense velvety glowing scarlet, the very best color for the table or canning, and ripens evenly all over up to the stem. In shape it is beautiful, as can be seen from the illustration, roundish and slightly flattened at the stem end, but thicker through than most other Tomatoes of its class. This makes it a magnificent variety for slicing. Its greatest characteristic, however, is its marvelous uniformity of size and smoothness in shape. Stokes' Bonny Best Early Tomato holds its size clear up to the end of the season to a remarkable degree. Its smooth, even-sized handsome fruit is salable in market and satisfactory for your table long after most other Tomatoes are down and out. It is a winner for the early, main crop and late markets.

Stokes' Sugar Sweet Muskmelon.—Would you like a Muskmelon, every one of which has that delicious, sweet flavor that every Melon lover thinks so much of? We have it here in the Stokes' New Sugar Sweet. I believe, without any exaggeration, it is the sweetest and most delicious-flavored Melon that has ever been offered to the trade. The vine is very strong and perfectly blight-proof, holding up green and strong until all the Melons are ripened. It is nicely netted, flesh thick and dark green, with tendency toward pinkish hue near the seed cavity; the seeds are very small and few. The Melon is slightly oblong and very uniform in size, averaging about 6 ins. in diameter and 7 ins. in length. Its great uniformity makes it a great crate Melon for market, packing evenly, of exact size markings. I cannot recommend this Stokes' Sugar Sweet Muskmelon too highly, either for home use or for market.

Stokes' Sugar Sweet Muskmelon

Berks County Bottle Onion.—In passing through the markets, at Reading, Berks Co., Pa., I noticed this curious-shaped Onion being offered for sale, and on inquiry I find that the good German people of this section would not buy any other Onion as long as they could get the Berks County Bottle Onion. In shape they are entirely unique, as will be seen from the illustration, many of them being just the shape and about the size of a sarsaparilla bottle. In color they are a light yellow, some having a tendency to a brownish outer skin; the skin is very thin, the flesh white and of very fine texture, delicious and delicate beyond compare and pronounced by connoisseurs the best white-fleshed Onion known. For family use it is unsurpassed, while for market it will be a winner wherever it becomes known, owing to its great beauty and novel shape attracting the eye. This Onion has been known in Berks county for years and is justly treasured there, as it will be in other sections when its merits are known. It is the most novel and distinct Onion yet introduced. It averages 7 in. in length.

Stokes' Floracroft Earliana Tomato.—The earliest Tomato on earth. This new Tomato, now offered for the first time, is the earliest Tomato in existence. It is fully a week ahead of the Sparks' Earliana and, notwithstanding this, the fruit is larger and more of it on the vine. The vine is vigorous and strong and resists blight; 45 to 50 fruit will fill an average five-eighths basket, 75 to 80 fruit will fill a bushel crate. In going over my field of Tomatoes, growing for seed, we frequently found crown clusters of 12 to 15 large, handsome, marketable fruit with handsome clusters also at the branches. It is sweet in flavor and not acid like many strains of Sparks' Earliana. In color it is a good glowing scarlet without core.



Berks County Bottle Onion

Gladiolus Alice Carey

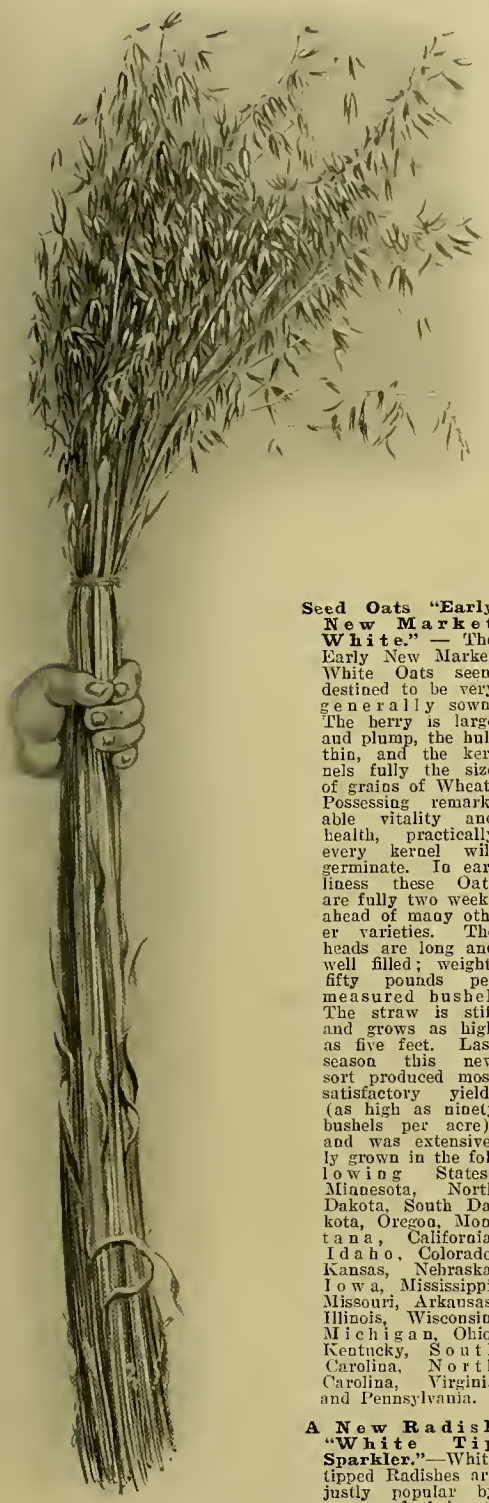
This is a Childsii seedling introduced by E. Y. Teas, Centerville, Ind., and is described as being the nearest pure white of any variety known. The flower is large, well expanded, of purest white, except a small purplish crimson throat, and of great substance, and remarkable keeping qualities. It never shows any tinge of color in maturing, like Augusta does, and is the very best white obtainable.

Novelties and Specialties Offered by the Griswold Seed Co., Lincoln, Nebraska

Corn-Saver Beet.—A big money maker! Keeps hogs healthy! Fattens hogs for one-tenth the price of corn. We, like other farmers, have been wondering how we could fatten our hogs without feeding them so much high priced Corn. We have been experimenting along this line in the way of feeding Alfalfa hay, Beets, and other things. We finally decided that Sugar Beets would make a better feed because sugar is always fattening. Last year we secured from Germany a new Sugar Beet that was extra rich in sugar, considering its size and other desirable qualities. We tried it out thoroughly, and it proved to be all that we could desire, and saved so much corn that we decided to name it Corn-Saver Beet. We began by feeding our hogs one-third Corn, one-third Alfalfa hay, and one-third of these new Corn-Saver Beets. We reduced the amount of Alfalfa hay and Corn from time to time until we were feeding an average of one small ear of Corn to each hog, a very little Alfalfa hay, and the balance Corn-Saver Beet. We let them have all they could eat. The hogs got rolling fat, healthy, and frisky. This experiment proves that we have struck something that will make the profit on hog raising several times greater than it has been heretofore. These Beets grow very large, about one-half out of the ground, and are thus easily dug. They are two or three times as large as the regular factory Sugar Beet, and much better for stock feeding. They make from twenty to forty tons per acre, according to the way they are taken care of.

New Shallu.—A non-saccharine Sorghum from India, where it is extensively cultivated under the name of "Shallu." It is more valuable than Kaffir Corn for grain, as it yields considerably more seed, it being of stooling habit, producing all the way from three to six stalks from a single grain, and it is quite a drouth resister. The heads grow similar to Broom Corn, forming large heads of round, plump, white seeds. It is an excellent feed for horses and cattle, and for chicken feed it is unexcelled. Can be popped the same as Pop-corn, being more crisp than Pop-corn. When ground it makes an excellent flour for pancakes. It is more of a grain crop than a forage crop. It will produce more seed than any of the Cane or Sorghum family and about double the amount of either Red or White Kaffir Corn.

Novelties and Specialties Offered by Stumpp & Walter Co., New York



Seed Oats "Early New Market White." — The Early New Market White Oats seem destined to be very generally sown. The berry is large and plump, the hull thin, and the kernels fully the size of grains of Wheat. Possessing remarkable vitality and health, practically every kernel will germinate. In earliness these Oats are fully two weeks ahead of many other varieties. The heads are long and well filled; weight, fifty pounds per measured bushel. The straw is stiff and grows as high as five feet. Last season this new sort produced most satisfactory yields (as high as ninety bushels per acre), and was extensively grown in the following States: Minnesota, North Dakota, South Dakota, Oregon, Montana, California, Idaho, Colorado, Kansas, Nebraska, Iowa, Mississippi, Missouri, Arkansas, Illinois, Wisconsin, Michigan, Ohio, Kentucky, South Carolina, North Carolina, Virginia and Pennsylvania.

A New Radish "White Tip Sparkler."—White tipped Radishes are justly popular by reason of their attractive appearance, but the varieties, already in existence are either too dull in the ground color or lack a clearly defined white tip.

New Radish "Cooper's Sparkler."—A quite distinct variety now offered for the first time, fulfils every requirement in each respect, the color being a rich carmine scarlet with a very pronounced tip of the purest white. The roots even when fully developed, are solid, crisp and sweet, and remain fit for use as long as the coarser kinds. It is equally well adapted for forcing in frames or growing in the open ground, for, while the leaves are small, they are sufficiently large for bunching.

Brussels Sprouts, S. & W. Co.'s Favorite Long Island Grown.—A very fine strain, the result of many years' careful selection; for color, hardiness and productiveness it cannot be equaled. An extra fine variety for either private or market garden trade. It has a thin smooth skin and fine flavor and we do not know of a variety that will give such general satisfaction.

Brussels Sprouts, "Long Island"

Potato Merrill.—Enough cannot be said about this wonderful Potato; of all the varieties tested in our trial grounds for the past two years, we have not had a Potato to give such yield of fine quality. It has a wonderful top growth, very large stalks and leaves and large clusters of blossoms. Tubers very white, well netted skin, which is Nature's mark of good quality; oblong in shape and grows very large. We had tubers of this grand Potato last year that were smooth and shapely which weighed three pounds. Two of these Potatoes would reach across the top of a sugar barrel, end to end. Last year the growers of this Potato raised 75 bushels of Potatoes from one bushel of seed. In our trials last Summer it proved one of the best Potatoes in appearance and yield, and for cooking quality we have never seen its equal.

Potato, Green Mountain, Jr. New White Seedling.—It is practically thoroughbred or pure bred. It has all the parents' good qualities and in general appearance is the same, except it is a trifle whiter in color and the skin more netted. It grows round to oblong, somewhat flattened; eyes shallow. The sprouts in Spring are white and stubby and do not grow very long. Soon after the stalks appear above the surface they branch very much, the broad, dark green leaves lying close to and completely covering the ground, which will kill weeds and grass and have a tendency to hold moisture. It will make a vigorous, rapid growth, set a large number in the hill and mature to the best marketable size a few days earlier than its parents. Blossom is white, with yellow center stalks. Cooking quality excellent. The past season on our trial grounds it gave a yield at the rate of 640 bushels per acre.

New English Pea, Carter's "Quite Content."—A giant-podded main crop. Awarded the first-class certificate of the Royal Horticultural Society, 1906. Pods longer than any other Pea in cultivation. This grand Pea, which has caused such a stir in the Horticultural world during the past season, is the outcome of a cross between Alderman and Edwin Beckett. In general character it resembles the former, but the pods are considerably larger than either parent. In our own trials it has amply demonstrated its wonderful superiority, and when exhibited it was pronounced by leading experts to be without doubt the finest Pea ever seen. It is exceedingly prolific, and the pods hang mostly in pairs. Height, 5 to 6 ft.

Zinnia, Giant Double - Flowering.—Our stock of this very popular garden flower is very carefully selected only from the largest and most double-flowering varieties. Every brilliant color and shade known in Zinnias is represented.

Begonia Gracilis Prima Donna.—This splendid variety has been obtained by crossing the excellent white B. semperflorens Triumph with the beautiful dark red B. gracilis luminosa. Of very sturdy and even habit, the plants grow about 10 in. high and form a freely branching bush 10 to 12 in. across. Its characteristic feature consists in its uncommonly large flowers, which measure 1 in. by 1¼ in., and are of a limpid rose, shading to carmine toward the center, a color of exquisite beauty. Borne on strong, short stalks, the blossoms appear extremely early and make a very free and continuous display above the fresh green, slightly brown-tinted foliage. Begonia gracilis Prima Donna, which may be described as a perfected, ideal form of the favorite B. gracilis, is a superb plant for bedding and pot culture. This excellent novelty, which comes true from seed, will certainly soon become a general favorite.

Aster, S. & W. Co.'s Late Branching.—This exceptionally fine Aster is without a rival. It is as well known in Europe as in America, and although we placed it on the market only a few years ago, today every florist has a fine stock of the flowers in his window just before the Chrysanthemum comes in; and it is often mistaken for the Chrysanthemum, which it so much resembles. The flowers are of extraordinary size—much larger than other varieties—and stand erect on long, graceful stems, well above the foliage; flower stems 15 to 20 in. long. Grand for cutting. Plants extra large and of strong growth; one plant will cover a space two and a half feet square. By far the most satisfactory Aster grown.

Antirrhinum, Tall Carmine Rose.—Color a bright carmine with a golden yellow blotch on the lower lip, large flowered and profuse bloomer.

Antirrhinum, Tall Chamois.—Very handsome new color, quite distinct, a lovely apricot yellow with purplish red upper lip. Large flowered and profuse bloomer.

Zinnia, Giant Double Flowering

Novelties and Introductions of Jas. Vick's Sons, Rochester, N. Y.

New Aster Vick's Early Upright. Two Colors: White and Lavender Pink

Nearly every one who knows anything about Asters, and particularly the commercial growers, who make more or less of the "shining dollars" from the sale of Asters, knows that Rochester, N. Y., is the chief center of the development and cultivation of this extraordinary annual. Likewise, nearly everyone knows that the established house of James Vick's Sons are not only the leaders in the cultivation of Asters, but occupy the unique position of having introduced a larger number of varieties well and favorably known and catalogued by the leading seedsmen than any other concern in America. By their energy in advertising the possibility of the Aster they have done a large part toward making the Aster what it is today, the most widely known and largely cultivated annual for commercial cut flower purposes in the market. There has hardly been a year in the last decade that they have not introduced one or more new varieties, and it is quite a remarkable fact that they have so accurately judged the demand for new Asters that nearly every new variety they have sent out has instantly met with popular favor.

Therefore, it was to be expected that a house with this reputation of introducing high-grade Asters, should be successful again this year in bringing before the American public one or more novelties of great value. In keeping with this reputation they announce the introduction of an entirely new class of Asters which they have named, Vick's Early Upright. As yet there are only two colors; white and lavender pink. Without doubt commercial growers will be very glad to get this new class because of the many excellent characteristics it possesses.

The strongest point in its favor is the fact that it is an early variety with sufficient strength to yield long, strong stems, crowned with large, full double flowers, which are so much in demand in the wholesale markets early in the season. It is a well-known fact that there are very few varieties of early Asters which give any great degree of satisfaction to commercial growers, and therefore every florist will appreciate the value of a new class which will widen the range of salable flowers during the early part of the season.

Vick's Early Upright appears to have a very vigorous constitution and thus far all comparisons between Vick's Early Upright and Queen of the Market indicate that the former is much the sturdier and probably will do well in a good many places where Queen of the Market usually fails.

The plants bear numerous flower stems which are comparatively free from side shoots. To secure the best results, the central flower stem should be disbudded, thus throwing all of the strength into the side shoots. Under such treatment ninety per cent. of the blooms will be of salable size. The flowers themselves are large and full; petals are of medium length but of considerable substance. The crown of the flower is completely covered. The general appearance of the flower is much like Vick's Late Branching; round and full in the center, comparatively ball shaped.

For the past two years, while this variety has been tried out, the flowers have been sold in the wholesale market, particularly in Pittsburgh where they have brought top-notch prices. The two colors, pure white and lavender pink, go well together. It goes without saying that there is more of a demand for white Asters than any other color, but the lavender pink is a particularly pleasing color, the central portion of the flower being a delicate pink, almost white, while toward the outer edge it gradually shades towards a decidedly lavender pink. Every wholesale florist who has seen this variety speaks well of it, and if the owners were accustomed to sell cut flowers instead of seed, they could sell their entire crop for this coming Summer in advance.

Specimen flowers of Vick's Early Upright were shown by James Vick's Sons in their Aster display at the S. A. F. Convention at Niagara Falls in 1908, and at Cincinnati in 1909. There is no doubt but that there will be a big demand for this variety. Those florists who secure their seed this year will doubtless find a ready sale for all their stock.

New Aster Vick's Rose King

Another novelty offered by James Vick's Sons is a companion to the popular Vick's Violet King. So rapidly did Vick's Violet King spring into popular favor that although it has been on the market only six or seven years there are a very few catalog seedsmen who do not list this handsome, large, late flowering variety. As nearly every florist in the country is well acquainted with Vick's Violet King, no further description needs to be made for Vick's Rose King except to say that it is similar to Vick's Violet King in all respects but color.

Vick's Rose King is a rich, bright, glossy rose, entirely unlike so many dull shades of rose frequently seen in Aster markets in the last few years. It is just the color to sell well in every market. There are places where purple, lavender and various other shades are not held in very high esteem by the average flower buyer, but there is probably not another color in the whole range of Summer flowers of more pleasing shade than Vick's Rose King. It makes an ideal color to go with Vick's Violet King.

New Aster Vick's Rose King

Novelties Offered by W. Atlee Burpee & Co., Philadelphia.

(*Concluded from page 351*)

endeavor of this firm to be rated at top in this particular line has been rewarded with deserved success. Its many recent introductions have met with such popular approval that sales of all varieties are likely to clean up the available supply. The popularity of the Sweet Pea is universal and pages might be written on its many-sided charms. Its simplicity of culture and the full assurance of a mass of flowers if fairly attended to, makes it perhaps the most popular of the Summer flowers. "The more cut off the more come on," is as true with Sweet Pea flowers as it is that night follows day. Sweet Pea culture lends a fascination to the garden which no other flower imparts, and its popularity in America is in no small measure due to the publicity given these facts by the Burpee Company through their advertising in the magazines and daily papers. The colors, too numerous to mention, combined with the delicate fragrance, make it a flower as suitable for the sick room as for the banquet table, a fact readily realized by all, whether they have a garden or not.

Burpee's New Earliest Catawba Corn

The success of the firm in winning the gold medal of the National Sweet Pea Society at the exhibition in the R. H. S. Hall, London, Eng., July 23, 1909, is well worthy emulation, as this was the first medal ever won by a grower outside of Great Britain; it was awarded for excellence of flowers staged, a condition which we, in this country, know to be the usual standard.

The Burpee Co.'s list of Sweet Peas is indeed large, but the best have been chosen and sent out as representing the cream of the hybridizer's or specialist's endeavors. The Spencer types for 1910 include two beautiful varieties, Miriam Beaver and Marie Corelli, which stand forth as a climax of present day production, illustrations of which are reproduced on this page. In the trial grounds, both at Fordhook and in England, these two varieties have been pronounced by Sweet Pea experts as being in the front rank of Spencer novelties, maintaining throughout the true Spencer form of flowers borne on long stiff stems.

Two other varieties, which with those before mentioned are conceded to form a quartette of productiveness and charm, are Senator Spencer and W. T. Hutchins; those fortunate in securing seed of these leaders can boast of having four of the best Sweet Peas of the Burpee production. King Edward Spencer, and many others of the gigantic Orchid flowering Countess Spencer types, as well as the Eckford and Unwin varieties, are also handled by the firm in immense quantities.

A novelty of recent prominence which should appeal to florists is the new African Daisy, Dimorphotheca aurantiaca. It is easily raised from seed, grows freely and is a mass of golden orange flowers, similar to a Gerbera. As a bedding and border plant in the annual class it should meet with recognition. Its growth is about 15 in. high; plants are free from insect attacks, while flowers are produced early and plants in a sunny situation bloom throughout the Summer.

Seeds of all the annual flowering plants receive much attention from the Burpee Company, a full line of every variety being carried in stock, to enumerate which would be beyond the space limit at this writing. A select list of perennial flowering seeds, obtained from the hardy plant borders at Fordhook is growing from year to year, attesting to the fact of the increasing popularity of this branch of floriculture. Bulbs of every variety are also carried in stock so that wants of any description may be satisfied and filled from stock on hand, a fact which enables the firm to fill every order with despatch.

A. R. S.

Novelties and Specialties Offered by A. T. Boddington, New York

(*Concluded from page 350*)

Picotee.—A lovely new and distinct variety, Spencer form. Flowers white, beautifully edged carmine, large and well waved. In most cases flowers are borne four on a stem, well placed and of grand substance, free from the coarseness in placing often seen in certain varieties of the Spencer type. Strong grower, and should be a good addition. Will be in great demand, both as an exhibition or garden variety.

Eschscholtzia Mikado.—H. A. This variety is the result of a cross between Mandarin and Carmine King, and is one of the most brilliant varieties in color ever introduced. The color is orange-crimson suffused with deep crimson. This will make an excellent companion for the other vari-colored Eschscholtzias now being introduced and will prove very valuable as a cut flower.

Eschscholtzia Diana.—H. A. This is another very fine variety of Eschscholtzia and a very dainty flower. The color is rosy white, while the petals are fluted in a novel manner, giving the flower quite a fantastic and attractive appearance.

Eschscholtzia Boddington's Double Orange.—H. A. This is a very valuable addition to this group of useful hardy annuals. The color is deep yellow suffused with crimson. The flowers are quite double and come very true from seed.

Verbena, Mammoth, Rose Queen.—H. A. The flowers, which are of a most brilliant rose, measure 1 to 1½ in. across. It is a strong grower and very free-flowering.

Lobelia Illumination (Cardinal Fulgens).—H. P. This variety is the result of a cross between Lobelia cardinalis and Lobelia cardinalis Queen Victoria. It grows about 2 ft. in height, producing very strong flower-stems with bronze foliage, similar to the variety Queen Victoria. Flowers intense scarlet, compact and forming a fiery, torch-like mass. Will, in time, supersede the ordinary types and be especially adapted for herbaceous borders, etc.

New Hybrid Gerberas

Barberton Daisies

When Gerbera Jamesoni, popularly known as the Barberton Daisy, was first introduced, just over twenty years ago, it was regarded solely as a desirable flowering plant for the greenhouse or warm border outside. These anticipations have been fully realized, and what is more, it has, in conjunction with other species, given rise to a delightful series of hybrids destined, no doubt, to become exceedingly popular.

The credit for these hybrids is due to Mr. Lynch of Cambridge, whose first hybrid was between Gerbera viridifolia, a species with small white flowers, and G. Jamesoni, the result being various shades of color from white to deep pink. Gerbera Sir Michael, a yellow form of G. Jamesoni, was sent direct from Natal by Mr. W. R. Adlam, one of the first crosses being between this yellow-flowered variety and G. Jamesoni itself, the result being the variety Brilliant.

Mr. Lynch continued his work until he was able, in 1904, to show a group of these plants whose flowers varied in color from pure white to deep scarlet, through various intermediate shades of buff, pink, yellow, orange and light scarlet.

This work once begun was continued on a much larger scale than is possible in a botanic garden by M. Adnet of Cap d'Antibes, France, who commenced with a few of Mr. Lynch's hybrids, and, by raising seedlings in a wholesale manner, his collection soon became a very extensive one. Veritable sheaves of cut flowers, all colors and shades being represented, were exhibited at the last Temple Show and admired by everyone. A particularly striking feature was the extreme vigor of the flower stems, far surpassing in stature anything I had ever met with in G. Jamesoni, while M. Adnet has, I believe, found that they are hardier than this species.

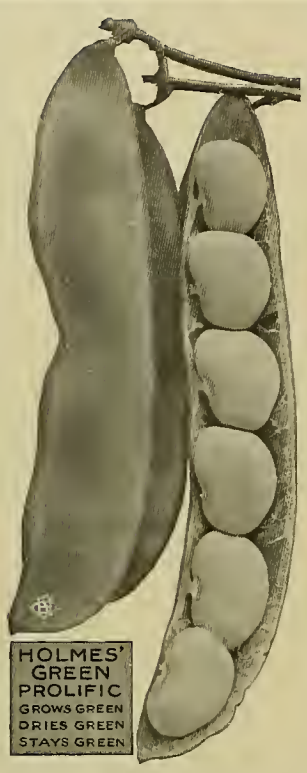
In his favored clime M. Adnet obtains large quantities of seeds. A surprising feature about these seeds is the quickness with which they germinate, for some that I sowed and placed in an ordinary greenhouse were above ground in less than a week.

How to Grow the Barberton Daisies

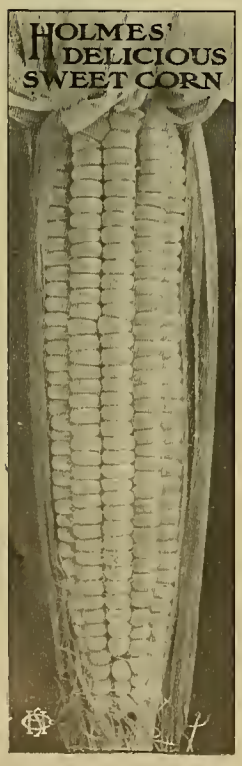
Sown early in the Spring they will form neat little plants by the Autumn, and a few may show flowers the second season, but they are, at least in our climate, not at their best until the third year. These Gerberas may be grown in pots in a sunny, airy house, but they are decidedly superior when planted out in some loamy soil in a well-drained and warm border. In the Royal Gardens, Kew, they are planted in a narrow border on the sunny side of the Orchid house, and are objects of great beauty for a long time. At Cambridge, the Gerbera thrives at the foot of a wall protected during Winter by glass lights from rain and cold dews, while they get free ventilation.—H. P. in *The Garden*, Eng.

New Hybrid Gerberas—Barberton Daisies
Catalogued by Many of the Leading Seedsmen

Novelties and Specialties Offered by Holmes Seed Co., Harrisburg, Pa.



Holmes' Green Prolific Pole Lima Bean.—Grows green, keeps green, and the only Lima Bean that is absolutely green when dried. The most productive Pole Lima Bean, as early as the Early Jersey, and unquestionably the most prolific of all Pole Limas. This Pole Lima was originated in Philadelphia over sixty years ago by Mr. Lafferty, a market gardener, in the "Neck," that portion of South Philadelphia lying between the Delaware and Schuylkill rivers. Mr. Lafferty was a gardener of renown who made a specialty of growing Lima Beans for family and hotel trade, and, being a very careful gardener, succeeded, in the course of his lifetime, in producing this Bean. Through careful selection of the Beans, close observation and long years of application, he finally became known in his locality as the best grower of Lima Beans in the "Neck." He cherished this Lima Bean and was careful to keep it to himself until he died, when his son, Godfrey, brought it to Mr. Wm. K. Harris, the noted florist in Philadelphia, about twenty years ago, and he has used his best endeavors to keep it as true as the original type. In our crop, which we grew this year, we find the Bean equals the Early Jersey or any other variety for earliness, and is by far more productive than any other Pole Lima we have ever seen grow. It is not like the Mastodon Lima, which retains only a portion of the green coloring in the dry Bean, but each and every bean of Holmes' Green Prolific Pole has that true, distinct, deep green color which insures the color when the beans are shelled for market. The large pods hang in clusters of from five to eight, which makes them easy to gather, each having five to six beans in a pod.



Early Sweet Corn, Holmes' Delicious.—An entirely new and distinct variety—ready for market sixty-five days from date of planting. Without exception the most delicious early Sweet Corn. Fully equal to our Premo in size, twelve rows. Among the first in the market. Stalks grow from 5 to 6 ft. high, and in the entire crop of several acres this year we found the ears to be absolutely free from smut. It is a drought-proof Corn, which has not only been proven by our own test, but the testimonials given bear us out in this. The crop which we grew this year, although through a drought, has done exceedingly well. We can truthfully say, in offering Holmes' Delicious Sweet Corn, that we do so knowing it will grow in public favor, the same as our many other novelties which we have introduced. The private gardener is always on the lookout for something superior to anything he has had before—the Holmes' Delicious meets this requirement. The market gardener is also always on the lookout for something extremely early—this also meets his wants. The farmer, as well as the private and market gardener, is just as eager to secure a good article, and to him we truly say the Holmes' Delicious meets his requirements. It is one of the hardiest of Corns that we know of, and can be planted at the same time as the Premo or Adams' Extra Early. Each stalk bears from two to three well developed ears. We particularly noticed this one fact, that each stalk had at least two ears that were marketable—not as the usual growth of Corn: that is, one small and one large ear, but both grew large and in many instances three well developed ears were on the stalk.

Carnation Bright Spot

This Carnation, raised by Nic. Zweifel of North Milwaukee, Wis., is well named. It is somewhat deeper in color than Mrs. T. W. Lawson, and on the order of that variety seen at its best, but has better stems and is a most profuse bloomer. It was one of the varieties attracting considerable attention at the Indianapolis convention of the A. C. S. in 1909, where its color pointing was 24. The stems are long, and very erect, and the flowers are well rounded, built high in the center and of good substance. It secured the first award in the dark pink seedling class at the Pittsburgh convention.

Novelties and Specialties Offered by Pape & Bergmann, Quedlinburg, Germany

A Pink Carnation-Petunia.—The firm of Pape & Bergmann of Quedlinburg, Germany, is offering among its novelties for 1910, new colors in the pink, so-called Carnation Petunia, introduced a few years ago, which has become so very popular abroad, and which was awarded a medal and a first-class certificate at an exposition in Paris, last year. The above firm has succeeded in growing other colors of this Petunia, for which they predict an equal popularity, such as white, pink, carmine, white with pink sheen, pink mottled with white, light red, etc. The flowers are small and not unlike a Carnation in shape; they have short stems, and are set thickly clustered close to the dark green foliage. As they appear in great profusion, and also are very lasting, this Petunia is especially to be recommended for garden decoration and for groups that are desired to be continuously in flower. Its habit being low, it may also be used for borders in sunny beds. A very large percentage of the flowers are double.

Pape & Bergmann's Carnation-Petunia

Salvia Patens Compacta Nana.—This is another novelty offered by the above firm, said to be an improvement on the popular Salvia patens. Its habit is compact and much more dwarf than that of the parent plant. The long trusses appear in great profusion and erect above the leaves. The flowers are as large as those of S. patens, and of the same magnificent dark blue, such as is found in hardly any other flower; Salvia nana begins to bloom much earlier, about ten weeks after sowing.

Novelty Offered by S. M. Isbell & Co., Jackson, Mich.

Isbell's New Big-Dwarf Tomato. — Ponderosa Fruits on Dwarf Champion vines. The greatest home garden Tomato ever introduced and a marvel for productiveness. This big fruited but dwarf or erect growing variety is one of the most important advances made in recent years in the line of varieties especially adapted to home gardens. The original plant was discovered by us in a large field of Ponderosa. Its vine would indicate a cross with Dwarf Champion, while the fruit is surprisingly similar to Ponderosa, although smoother. Those who have attempted in the past to grow Ponderosa, with its sprawling habit of vine, may now have the same exquisite quality of fruit on strong, erect vines requiring about one-quarter the space of the old sort, and in addition the crop will be borne up from the ground, thus insuring clean, sound, fine flavored specimens. The foliage is coarse, heavy and of a healthy dark green color. The main stem or stalk grows about 20 to 24 inches high and is very stiffly erect—so much so that the immense clusters of large fruits are well supported. The fruits themselves are fully equal in size to those of Ponderosa, being by far the largest fruited dwarf growing sort in cultivation. The color is same as Ponderosa, a rich crimson tinged with purple, making it surprisingly attractive when exposed for sale. The inside "make-up" of the fruit is one of its crowning merits—extremely few seeds and these near the outer walls; texture of the flesh as solid as a mellow apple; color of a rich crimson. We cannot imagine how it can possibly be improved upon in these respects. The flavor is unequaled, being entirely free from that metallic acid taste which is characteristic of some otherwise good sorts. Inasmuch as both its parents are noted for their most exquisite quality, the New Big-Dwarf is a top notcher in this respect.

Geranium Novelties Offered by R. Vincent, Jr. & Sons Co., White Marsh, Md.

Among the Extensive List Offered by this Firm are Noticed the Following

Bruant's 1909 Novelties

The Zonal Pelargoniums or Geraniums originating at Bruant's establishment are universally known, have been exhibited at thousands of expositions, and have brought to the exhibitor very high praise and rewards. This year's Novelties have been selected with the greatest care and will be found to contain the choicest assortment ever placed in commerce. We would call especial attention to their sterling qualities, healthy constitution and easy cultivation.

Bohemos.—Plant robust; compact habit; free flowering; fine trusses; semi-double flowers; elegant form; rich violet with velvety and fiery spots mixed. Double.

Interne Bazy.—Plant robust; compact habit; good trusses; remarkable shade of aniline violet; very shiny; the upper petals have a darker border. Single.

Rosafiera. — Compact habit; grand upright trusses; very good foliage; flowers semi-double; petals elegantly curled; fine rose, slightly shaded salmon; fresh and pretty color; good and free bloomer. Fine for bedding. Double.

Fraisidis.—Plant of good habit, flowering abundantly; semi-double; very open; brilliant rose strawberry mixed and maculated clear violet. Distinct variety. Double.

Madame Dux.—Strong trusses; large, round flowers; semi-double; elegant form; delicious color of apricot salmon, center dark, shading to the margin like white rose. Variety of good merit; prettiest one of the sex in this color; constant bloomer. Good for grouping in beds in the open air. Double.

Seevola.—Large umbels; long flower-stalks; semi-double flowers; clear rose, powdered rose carmine. Beautiful variety. Double.

Claironnant.—Plant of specially good habit, flowering abundantly; a little double; very open; grand umbels, being detached from the foliage; large copper-red flowers. Double.

Jean Bologne.—Plant floriferous; compact habit; large, round flowers; dark red, grand white center. Beautiful effect. Single Cyclops.

Pierre Vierge.—Free flowering; plant low; easy grower; thick foliage; flowers round, center gold, with a white border, white eye; fresh coloring. Good variety. Heavy wooded. Large flower.

Verger Fleuri.—Good habit; robust and good; foliage very large; pure white flowers; very lasting. Best of the white varieties. Heavy wooded. Large flowers.

Hourlier Lenglet.—Plant robust; good foliage; umbels enormous; large flowers; vermilion red; very bright. Good for bedding, center or border; also for decoration. Has very large, semi-double flowers.

Alphonse Dachy.—New variety, very much like Dagata; good and strong grower; large umbels, and very open; semi-double; largest of all new varieties. The color is a very dark rose, with one large white spot on each of the upper petals. Has very large, semi-double flowers.

Rozain-Boucharlat's 1909 Novelties

Those of our customers who have had the Rozain-Boucharlat set of Novelties the past few years will appreciate the fact that we are able to offer a set this season which will be found up to the high standard of perfection for which this type is noted. The set comprises 13 single and 10 double varieties. Among the best are:

Lieutenant Vary.—Grand flowers; large purplish fiery reflex, white eye; plant dwarf; very floriferous. Single.

Victorien Sardou.—Flowers semi-double; clear transparent crimson, shaded fuchsia purple, center aurora. Double.

Jules Cambon.—Double flowers; dark currant red, shaded violet. Double.

Louise Rozain.—Grand round trusses; good shape; magnificent white rose color, halo over weever. Extra novelty. Single.

C. Bessonnet.—Beautiful semi-double flowers, perfect form, with a mauve center, petals bordered mauve carmine. Double.

Vigie.—Very grand flowers with large petals; clear cochineal red, center white, surrounded by purple. Double.

Stephen Pichon.—Velvety crimson purple, shading to scarlet carmine, white eye; feathered fire. Single.

Camille Dejoud.—Semi-double; fuchsia red, center nasturtium color. Double.

V. Lemoine's 1909 Novelties

We are pleased to offer to our customers a grand set of Novelties introduced by Mr. V. Lemoine, Nancy, France, and are convinced that they will be found as satisfactory as those of his former introduction we have sent out. Some of the best of our standard varieties have originated under the care of Mr. Lemoine. The collection comprises nine single and six double varieties of which we mention here:

Emile Hinzelin.—Enormous upright trusses; flowers fiery red, shaded black to the center. Single.

Georges Beaume.—Round, perfect flowers; light rose color, with white veins on the upper petals. Single.

Ernest Hebert.—Very woody; enormous flowers; semi-double; rose white with a salmon veined center. Double.

STANDARD VARIETIES

M. Anatole Roseleur. (Bruant 1900.)—A most beautiful shade of deep rose pink, rivaling in beauty and freshness the color of the Paul Neyron Rose, a color that has been more admired than that of any Geranium we have on our place, and which we are confident will soon become the standard pink, superseding all others. The flowers are large, semi-double, showing a distinct white center; enormous trusses, borne on long stems well above the clean, extremely handsome foliage. In habit of growth it is most pleasing; dwarf, short jointed and vigorous, producing flowers at almost every joint. We unhesitatingly recommend it, as there is no question but that it will give satisfaction in every case, either as a pot plant or bedder. It is a standard double variety.

Pentstemon Myddleton Gem

In recent years the Pentstemon has been very much improved, both in habit and color of the flowers, and now is a highly valued perennial for producing a mass of bloom during the Summer months, blooming the first season from seed. The variety Myddleton Gem is the latest addition to the compact, free branching type. It was shown before the floral committee of the Royal Horticultural Society, England, last September, by R. Wallace & Co., Kilnfield Gardens, Colchester, England, and received an award of merit. Our illustration is taken from The Garden.

Pentstemon Myddleton Gem

Carnation Dahlia "Corona"

ORIGINATED BY W. W. WILMORE, DENVER, COL.

Corona. 1910. (The Carnation Dahlia.) Its origination with Mr. Wilmore was from seeds saved from Cactus Dahlia Mrs. Peart. A miniature decorative form, fully double and of purest white. Its wonderful freedom of bloom, pure color and chaste form places it at once at the head of the list as a florist's flower. At a little distance it would be pronounced a Carnation, which it resembles both in size and form. This graceful decorative type will undoubtedly supersede the rounded formal white Pompons. Last Spring I sent some stock of this variety to an Eastern specialist (Nathan A. Miller) for trial, and he makes this report: "The White Pompon, Corona, sent for trial was superior to anything in its class for design work, and later in the season attracted much attention as a buttonhole flower." Stock very limited.

Corona. The Carnation Dahlia

Gladiolus Introductions of Arthur Cowee, Berlin, N. Y.

While the six varieties of Gladioli to which attention is called—Peace, Faust, Blue Jay, Dawn, La Luna and Victory—may not be strictly classed as novelties, this being their second year, still the exceptional characteristics which render them invaluable to the critical grower searching for highest quality possible, places them in a class where too much cannot be said regarding them.

Peace (Groff's) often attains a height of 6 ft., bearing large, pure white flowers of good form correctly placed on strong, straight spike; the inferior petals are slightly marked with a pale Lilac feathering. Peace is a late bloomer, making it most desirable for florists requiring light colors.

Blue Jay (Groff's, not Baron Hulot) is, without doubt, the best of the blue varieties yet produced. As the name indicates the color and shading are in harmony with the beautiful bird after which it is named.

Dawn (Groff's).—No more suitable name could be applied to a flower than this to the variety which bears it. It throws a tall, straight spike, bearing large flowers of a delicate salmon, shading to white, when bloomed inside, giving a most pleasing effect. The small claret stain on the inferior petals adds much to its beauty.

La Luna (Groff's) is most appropriately named from the fact that the large, heavy buds open as a pale yellow, which passes to a pleasing white when the flowers are fully expanded, being relieved by a small brown marking in the throat. The petals are exceptionally strong and heavy, but unlike many heavy petaled varieties, this one blooms freely in water.

Faust.—A deep, velvety crimson with a lighter shading on the two lower petals, which are suffused with white. An early to medium season variety, and one which would attract particular attention in any garden.

Victory.—A medium sized flower of a delicate sulphur yellow, with lower petals shaded a deeper yellow. It produces a tall, straight spike of exceptional vigor, which places it in the van of all yellow varieties as a sure crop.

Mr. Cowee has a most promising lot of new seedlings, in both light and blue shades, the classification of which was begun last year. Types and shadings which have never before been introduced show in great numbers, a few of which he hopes to list in 1911, and which will undoubtedly be exhibited during the 1910 blooming season.

Peace Blue Jay Dawn

Aster Hybridus Loreley

Moeller's claim this as the largest pure white, bushy Fall Aster. This novelty was discovered two years ago among the seedlings in the gardens of the nurseryman Heinrich Junge of Hameln, Germany, and the plants under observation since then have justified the discoverer's predictions as to its future. The handsome flower is large and compact in shape, and grows clustered loosely in panicles. The petals are pure white, while the disc is light yellow. The plant is a good grower, attaining a height of 40 in. in the heavy clayey soil, unmanured, of Mr. Junge's gardens, and is in flower during the entire month of October. Loreley may be used for landscape gardening, and as a pot plant; but it is especially valuable as a cut flower. As such it was greatly admired for its size and purity of color at a meeting of the Provincial Hort. Society, held in Hanover, Germany, last October. Loreley is, however, not as well adapted for bedding purposes as its habit is somewhat straggly.

Carnation Lady Algy

This splendid new introduction was exhibited by Mr. A. H. Wingett at the meeting of the Lenox Hort. Society, Jan. 15, 1910, and was unanimously awarded a first-class certificate. This is one of the most promising new varieties in sight; in color it is a pure salmon pink, not the washed-out color that is sometimes called salmon, but the true color of the fresh fish. It has been the good fortune of the writer to see it growing this Winter and, among a house containing the best varieties, splendidly grown, Lady Algy attracted instant attention. It is a sport from Beacon, and when I say it has all the good qualities of its parent growers will know that there is not much amiss with it, in fact it almost seems to outdo Beacon in vigor and floriferousness. I do not know of anything to equal it especially in attractiveness of color, either by natural or artificial light. Mr. Wingett believes it has a future and is handling it on the most approved methods, propagating nothing but the best of cuttings.—EDWIN JENKINS.

La Luna Faust Victory

New Rose Deutschland

This lutea hybrid is a cross of Schneekoeniginn and Soleil d'Or, which has inherited the qualities of both parents to a remarkable degree. The bud is at first white, changing into light yellow and then orange as the flower unfolds. When fully open the edges of the petals are tinged with light pink and the Rose at this stage is among the loveliest of its kind. The plant is a good grower; at first it is very thorny, but later on the thorns disappear almost completely. The stems of the young bush are grass green, turning later into a greyish green, and they appear then very unlike Rose stems. The flowers come out singly or in clusters of threes. Deutschland makes a strong bid for popularity both for grouping and as an individual Rose bush and also grown as a standard. It will be put on the market in the Fall of 1910 by the rosarians Hermann Kiese & Co. of Vieselbach, Germany.

The same growers have another novelty, which, however, is not promised until 1911. This is the Hybrid Tea Grossherzogin von Weimar (Grand Duchess of Weimar), a cross of Schneekoeniginn and Kaiserin Auguste Viktoria. It is erect in habit, has few but very sharp thorns, and the upper part of the stems is quite smooth. The leaves are somewhat larger than those of the Kaiserin and more round. The flower is very large and snowwhite on a yellow ground. It opens slowly but lasts a very long time, even in great heat, although it is not so very double. It generally grows singly; and no stem has yet been found bearing more than three flowers. —*Moeller's.*

Chrysanthemum Novelties Offered by Chas. H. Totty, Madison, N. J.

Since the advent of the Chrysanthemum the trade should feel indebted to this gentleman for his good work in bringing to the front many of our best commercial and prize winning varieties. His appointment, recently announced, as the American agent of the Wells-Pockett combination, will surely result in good, and all may look forward to some interesting novelties in the near future. Much has been said in these columns regarding the output of the establishment at Madison, N. J., and since the taking over of the greenhouses known as Florham Farms, which are near by the older place, greater developments are looked for in many lines.

Those who visited the Farms last Fall, during the time when Chrysanthemums were in full flower, saw flowers which it is hard to forget, especially when so many of the blooms proved to be prize winners. Now that the season is here when all who intend growing flowers for exhibition or commercial use, are casting about to find out what and where to secure the stock desired, a few notes on the lines handled by Mr. Totty may not come amiss.

Mrs. David Syme is a grand white, producing an immense bloom on a perfect stem from bud taken about Aug. 15. This variety won a gold medal in Australia, and was certificated in England, and as seen in Madison last Fall, would have scored high had there been enough stock on hand to warrant its being shown.

Mrs. W. A. Read, an intense fiery scarlet crimson, grows rather above the average height, and will surely make its mark as an exhibition variety in the crimson classes.

Chrysanthemum Mrs. A. Stevens

Mrs. R. Luxford, Indian red, with a golden reverse, dwarf grower, ranks easily above the existing early commercial reds, and buds taken in August produce fine cut blooms which, when used in connection with Autumn foliage, produces an effect hard to duplicate.

Among the special Wells-Pockett set for 1910 are Howard Gould, inside of petals bright golden chestnut, reverse side pure deep gold, presenting a perfect flower. Others are: Miss Alice Finch, purple crimson, perfect habit, foliage right up to the flower, from crown bud taken on Aug. 20, gave elegant results; Rose Ellis, an improved Lady Hopetoun; Miss Edith King, bright canary yellow; Kara Dow, chestnut with bronze reverse; W. Wood Mason, describing which, Mr. Pockett said "My best crimson," is a variety having a flower much larger than Pockett's Crimson; Alice Lemon, light soft pink, flower very large and beautiful.

Other introductions include Wells' Late Pink, a variety already well known and profitable alike to exhibition and commercial growers, who will find it one that can be absolutely depended upon. Miss Muriel Smith, W. Mease, Yellow Ivory, a yellow sport of the tried and true commercial variety of the same name, will prove very popular when better known. Yellow October Frost, a very early variety, identical with the parent in every way. Mrs. A. R. Peacock, a "Beatrice May" seedling, having the same shape and style flower, usually furnishes bloom ready to cut by Oct. 7, and is a splendid keeper. Mrs. Wm. Arnold, Mrs. Wm. Wincott, Gloria, Chas. H. Totty and many other varieties are included in the immense quantity of stock plants which are furnishing strong, healthy cuttings, the recipient of which feels that with such a start, success is assured.

Chrysanthemum Mrs. Wincott

Mrs. A. Stevens and W. Hotston reproduced on this page are two widely known Wells varieties of 1909 introduction.

The popularity of the Chrysanthemum is not confined to the large flowering types, as the Pompons and single flowered varieties have entered largely into satisfying the public taste. The past five years has seen the demand for these grow unabated, and producers have vied with each other to secure the best, until today a long list awaits the prospective purchaser, to select from which a suitable number is no small task. Those grown on the Totty establishments, include Yellow Garza, a seedling identical with Garza in every way except color, and which was so popular at all the Eastern flower shows last Fall; Autumn, Peter Pan, Merstham Jewel, Jessie Curtis, Gertrude, Golden Star, Ladysmith, Gretchen, Pretoria, White Garza, Robby Burns and a host of others to mention the attributes of which would require much space. Many of these varieties bloom early so that, planted outdoors in the North, flowers generally mature before frost, while for pot plants, in bloom from September on, nothing better for general store trade or decorative work could be had. Many growers secure much satisfaction from growing on these single flowering sorts from seed, many plants of which bloom from July until cut down by frost.

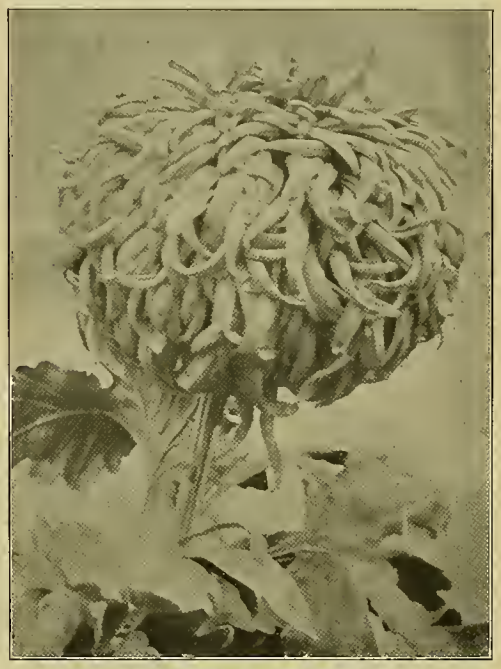
The seed is saved and sealed in packets by W. Wells & Co., Merstham, Surrey, Eng., and sent to Chas. Totty for distribution, and the demand for the packets grows steadily. Sown early in March, inside, pricked off when of size, they make plants large enough to be set out early in May, 18 in. apart where, with ordinary care, they prove a paying investment.

Grafted Roses of all the well known varieties, in 2½- and 3-in. pots, is a line recently taken up on Florham Farms, and from the success already attained, larger quantities will be secured another year.

A large quantity of seedlings of Amaryllis Hippeastrum were being flowered, nearly all having four immense flowers to the spike. Dormant bulbs of these are on hand from which best results only are looked for, as they are the result of seedlings saved from hand fertilized flowers of the finest strain of Veitch's hybrids.

A novelty of sterling merit is Alternanthera Jewel, indispensable for bedding where foliage plants are wanted. It is brilliant in color, grows freely and of good habit, compact and uniform.

Carnations also receive an immense impetus on this place, the varieties handled being Sangamo, Mary Tolman, Conquest, Pink Delight, May Day, Georgia, O. P. Bassett, Beacon, the Enchantress trio, Winona, White Perfection and all other standard varieties which have proved good sources of revenue to the trade.



Chrysanthemum W. Hotston

Wells' prize winning Pentstemons, seeds of which are sent out in trade packets, prove more popular every year. A long list of Spring plants is also carried on the place, including Geraniums, Heliotrope, Lantanas, Moonvines, variegated Panicum, Ferns for ferneries, Sweet Peas, Dahlias, etc., all of which help to make the establishment complete and one where visitors always find a royal welcome.

A. H. S.

Partial View of a House of Chrysanthemums—Varieties on Trial

Chrysanthemum Novelties for 1910 Offered by Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemum Oroba

Arlee

Itaska

Naomah

COMMERCIAL VARIETIES

Donatello.—While this variety is not a counterpart of Monrovia, it is in many respects an improvement. The color is bright yellow, form slightly incurving, with good stem and foliage and excellent substance. It is especially adapted for those who bench their plants late, as it produces double flowers from late buds. 3½ ft., fully matured Oct. 20. Best bud Aug. 20. C. S. A. certificate.

Oroba.—A large early white after the style of Beatrice May, being of the easiest culture, with fine stem and foliage. It may not excel Beatrice May in size, but its other splendid characteristics are so much superior that it will soon gain ascendency with the commercial grower. 3 ft., ready Oct. 20. Best bud Aug. 15.

Tonkawa.—Deep golden yellow Japanese reflexed, with bronze shadings. The foliage is produced very close to the bloom, and the stem is the very best. Those requiring a midseason golden bronze will not be disappointed. 4 ft. Best bud Sept. 1; ready Oct. 25. C. S. A. certificate.

Adonis

Donatello

Randee

EXHIBITION VARIETIES

Naomah.—Large Japanese incurved, a seedling from Merza, more conical in form than its parent. This variety was not judged by C. S. A. committee, but we have decided to send it out on its merits as a worthy addition to the exhibition section. If the stem were a little more rigid this would be an ideal commercial sort, as it possesses every other qualification and may prove very acceptable to those who plant early and give generous treatment. Pure white. 4½ ft.; ready Nov. 1. Bud Aug. 25.

Randee.—A large ball-shaped Japanese, belonging to the exhibition section. The early buds come pure white and the later ones are shaded pink. The petals are toothed at the extremities, and are rather irregular in their arrangement Bud Aug. 25. 3½ ft.; heavy stem and foliage. C. S. A. certificate.

Adonis.—A light pink of a slightly deeper shade than Gloria. The narrow petals reflex and interlace, forming an artistic bloom of the largest size, in which the depth exceeds the diameter. 5 ft. Best bud Aug. 25. C. S. A. certificate.

SINGLE VARIETIES

Arlee.—A rich golden amber of dwarf, sturdy growth, excellent either as a pot plant or for cutting. Is a true single of the large flowering section, producing large sprays which are borne erect. Entirely distinct and of exceptional merit. C. S. A. certificate.

Itaska.—Properly defined this variety is a semi-double incurved, but being so near single we have included it in this section. It is a seedling from A. J. Balfour, but is a few shades lighter. The incurving petals give the flowers the appearance of Pond Lilies, and being a most pleasing shade of pink are very useful for decorative work.

A NEW POMPON

Clorinda.—Semi-dwarf, producing erect sprays of an even shade of bronze. C. S. A. certificate.

Novelties and Specialties Offered by Sluis & Groot, Enkhuisen, Holland

Dwarf Bean "Alpha."—Long-podded, white seeded; very earliest; stringless. One of the very best introductions of the previous season. The shape of the pods and beans is nearly the same as "Best of All," white seeded, but the pods are longer and entirely stringless.

English Bean "Three-Fold White."—White flowered, white cooking and white eyed. This is an excellent novelty, being preferred to other sorts in that the eyes of the young beans as a vegetable do not lose their fresh appearance for a long time, whereas other sorts soon become somewhat dark-eyed and do not find such a ready sale. For this reason this new variety is quite a favorite among the Dutch vegetable growers and will, no doubt, like the older but larger "Large Thick White Eyed" (also offered by us), soon become one of the leading varieties for canning purposes.

Cineraria Dwarf Improved "Stella Hybrids."—Magnificent new hybrids of very dwarfish habit. For several years we have paid careful attention to the cultivation of our Cinerarias and have succeeded in getting a very large flowering strain which we can strongly recommend. Not only the large number of colors in our mixture but also the manifold star-shaped varieties, enables us to compete favorably with all existing Cinerarias.

White Cabbage "Enkhuisen's Glory."—Large, early, white; solid. Among many varieties of white Cabbage none combine the two desirable qualities, earliness and largeness, held by this variety. We recommend it as a really early sort (coming in as early as the Early Flat Dutch), but, at the same time, making fine, large, ball shaped heads, particularly suitable for market purposes.

Cabbage Enkhuisen's Glory

Cabbages "Holland Export."—Very dark red, *half-early Autumn*, and *intermediate Winter*.—Above two local sorts are the most valuable for export. The early one is for the first Autumn shipments, and the latter for the Winter or to be kept through Winter until early Spring.

Scorzonera, "Sluis & Groot's Improved Giant Annual."—An excellent sort which, when sown in the Spring, produces fine large, black, smooth roots in Autumn, without running to seed quickly as other sorts usually do.

Cyclamen "Amsterdam Giant."—Splendid mixture. This variety of Giant Cyclamen, which was offered last year for the first time for export, has been grown a number of years for the market in our country. Although it does not produce so abundantly as the old Cyclamen giganteum, the flowers of these improved varieties are much larger and, in some cases, range in diameter from 3½ to 4 in. The plants have, moreover, a vigorous growth and find a ready sale.

Lobbianum "Ivy-Leaved Prinzessin Juliana."—The foliage of this variety is intensely dark leaved and of the typical Ivy leaf shape. The magnificent large, laciniated gold orange flowers, with sharply marked velvety red brown spot, are extremely effective upon the fine dark foliage. It is quite constant from seed.

Lobbianum "Ivy-Leaved Emma Alida."—Same as above, with dark Ivy foliage and golden yellow and orange deep scarlet laciniated flowers. Extremely lively color.

Nasturtium Tom Thumb "Spencer David Burpee."—One of this year's novelties which we can strongly recommend. Its very peculiar, wavy, emerald green foliage is different from any known variety (something like the flowers of Germania Pansies). The plants are very compact, and the fine, velvety purple scarlet flowers, borne on long stems, create an effective appearance in combination with its magnificent foliage. Most appropriate for borders. From seed comes fully true.

JOHN COOK'S NEW ROSE RADIANCE

New Seedling Rose Radiance

New Orchid Laelia Anceps Vars.

By Lager & Hurrell, Summit, N. J.

There are very few really new Orchids. We have here, however, a type of Lælia anceps that is new. We referred to these plants in your last year's Novelty issue but, at that time, we had not flowered any. This year several have bloomed and they have entirely fulfilled our expectations. The habit of the plants is the same as the common Lælia anceps; the flowers, however, are superb in their varieties, some having pure white sepals and petals, with rosy pink lips; others are white delicately suffused with a tinge of pink with rose pink lips; while others are entirely white. The illustration photo here given shows the fine form of a variety which is beautiful beyond description, having sepals and petals white with a most delicate suffusion of rose, the lower part of the lip and side lobes is of a pale rose; tube dull yellow with greenish veins. The pure white forms or albas are superior in every way to the old type, the flowers being larger and finer.

We wish it understood, however, that none of the above belong to the L. A. Sanderiana or Stella section, but are variations from the old common Lælia anceps, at least the habit of the plants is identical.

Carnation Niagara

This new Carnation, raised by the E. G. Hill Co., Richmond, Ind., is a seedling resulting from a cross with The Belle and an unknown variety. The flowers are pure white, and 3 in. to 3½ in. in size. It is a free grower, strong and healthy.

Dahlia Ruth Forbes

New Seedling Rose Radiance

Originated by John Cook, Baltimore, Md.

New Rose Radiance is a seedling from Cardinal and an unnamed seedling. In color it is a brilliant rosy carmine with opaline tints in the open flower; in a class by itself. The form is fine, large, with cupped petals, bud long, brilliant, radiant, with extra long stems, a constant bloomer, fragrant, foliage abundant and of splendid substance. A very strong and robust grower, producing flowers on stems 6 ft. and 7 ft. long. There is no Rose on the market today that can compare with Radiance for vigorous growth, handsome stem and foliage, and the color of its flowers. We have grown this Rose for eight years in a regular Rose temperature, day and night.

Dahlia Ruth Forbes

Originated by Joseph C. Forbes of New Bedford, now a member of the firm of William F. Turner & Co., which purchased the entire stock.

Disseminator's description is as follows: A beautiful clear pink without shading, the nearest approach to A. D. Livoni in color yet raised. A strong vigorous grower, producing its mammoth flowers in great abundance. For garden culture it occupies a prominent place, and for table decorations, especially under an artificial light, it has no equal.

This Dahlia has been awarded a first-class Certificate of Merit by the Mass. Hort. Society, being the first American seedling to receive this honor.

Carnation Niagara

Carnation "Canary Bird"

The following information concerning the new Carnation Canary Bird is furnished us by its originator, Henry Schrade of Saratoga Springs, N. Y.:

Canary Bird is absolutely the best yellow Carnation we have ever grown or have ever seen grown. There is, to our knowledge, none that can compare with it in constitution, stem, size, color or keeping qualities of the flower. It has for its parentage a pink sport of Mrs. Patten, and a pink seedling, in which there was Lawson blood, producing a stronger constitution than either Lawson or Patten.

This variety gives fine, strong, healthy cuttings, very easy to root, in fact we are rooting ninety-eight out of a hundred. Planted out in the field it is one of our best growers producing, by the middle of August, plants having from twenty to twenty-six flowering shoots. It is one of the first to recover from lifting, and one of the first to bloom in the Fall, with a fairly long stem which, later in the season, increases to twenty-four inches.

The color of the flower, described by its name, is a very bright canary yellow overlaid with just enough carmine streaks to set off its color well and enhance its beauty. Its color is just the right shade to lighten up any dark spot in store or house, and harmonizes beautifully in bouquets with Enchantress, Harlowarden, Patten, or almost any shade or sort of Carnation.

Its size runs from three to three and one-half inches. It is practically a non-burster, full and round in form, and the best producer and money maker we have ever had in any yellow Carnation.

Potato Seed Balls

Hybridized Potato Seed

Growing new, distinct sorts of Potatoes from seed-ball seed is, in many sections, proving both interesting and fascinating to amateur growers. A. T. Cook, the seedsman of Hyde Park, N. Y., is making a specialty of this seed, and the reports he received from several of his customers last year certainly show the immense satisfaction given.

Vase of 50 Blooms of Carnation Sangamo
From Chicago Carnation Co., Joliet, Ill., Disseminators

Carnation Mrs. Walter W. Coles

This is described by the originator, W. W. Coles of Kokomo, Ind., as follows: A bright scarlet crimson; good stiff wiry stem. Average flower over 3 in. in diameter. Calyx absolutely perfect. The only variety on our place that never splits, and the most wonderful free continuous bloomer. It was awarded a certificate of merit, and an award in the class for Crimsons, at the Pittsburgh convention of the American Carnation Society, Jan. 26, 1910.

Readers are requested to write us on any subject bearing on trade conditions. If the subject interests them it will, in all probability, interest many others.

Carnation Sangamo

Carnation Sangamo was originated by A. G. Brown, Springfield, Ill., and is being disseminated by him jointly with the Chicago Carnation Co., Joliet, Ill. In color, the flower is a brilliant, glistening pink, brighter than Winona, the difference being due to a tinge of salmon. In size it runs three inches and over. The petals are well arranged and all flowers are excellent in symmetry. The stems are strong, long, and stiff. The calyx is a non-burster. It is the result of a cross between Mrs. Nelson and Enchantress, and its habit and vigor is very similar to that of its Enchantress parent. It is a very free bloomer, throwing plenty of cuttings and breaking very close to the soil. It comes into flower very early; in fact extra good flowers with 12 to 14-in. stems are cut Sept. 1. It blooms continuously until July 1.

Dennison's Specially Designed Tags for Florists

Flowers are a luxury, not a necessity, a refinement of life rather than a primeval taste. They go, therefore, usually into homes where discrimination prevails and where eyes have been trained to artistic ideals. Such people are the first to detect inconsistencies, and they term "inconsistent" a small detail which many a florist entirely ignores. For instance, most florists are particular as to boxes and their linings. How many think of the address tag? Yet from the printed tag is often derived the only impression your name conveys to somebody. He may never have a chance to visit your store; yet he will imagine how it looks from your tag. The Dennison Mfg. Co., in their stores in New York, Philadelphia, Chicago and St. Louis, make a specialty of fine tags for florists. They are really beautiful, types of the highest art in tag workmanship. The stock is clear white and very fine. On it is printed in colors the jeweler's monogram or coat-of-arms, an embossed flower or, perhaps, simply his business card, but all done in such perfect taste that the tag is consistent with the goods it tags, attracts attention at once to the florist whose name it bears and, being seen again and again, accrues value as a trademark, always leaving its subtile influence wherever seen. It's attention to small inconsistencies that makes or mars a man or a business. This is one which many a florist would do well to correct.

Among the Growers

A. N. Pierson, Inc., Cromwell, Conn.

Seldom has it been the writer's pleasure to visit a more complete plant and cut flower establishment than that of A. N. Pierson, Inc., at Cromwell, Conn. Although not as near to the great flower markets as might be wished, its products are known throughout the East for their excellence of quality, and the shipping facilities available are such as to allow of the shipment of cut flowers to several far Western cities. The different markets are closely watched and the best and most profitable outlets for stock quickly taken advantage of. When one considers the size of the weekly payroll necessary for 215 regular men employed, some idea as to the necessity of constant vigilance in all departments can be formed. Several of these men have been with the firm over 25 years, many more 20 years, it being the one aim to so use the employees that labor is not drudgery but a pleasure, a fact clearly demonstrated while in conversation with some of the older employees. Anything likely to promote the well-being of this army of men is fully concurred in by the man higher up, and their bowling matches and duck pin tournaments between the several departments are enjoyed as much by Wallace R. Pierson as the men themselves. While it is understood that no formalities are necessary in order to address their employers, there is a fine quality of respect paid to them by the men in recognition of the fact that Cromwell really owes its growth and development more to this one establishment than any other local interest.

The wise policy of creating a corporation, giving the heads of departments and others an opportunity to become stockholders, has proved of vast benefit to all concerned, so that when one sees the firm's motto, "Standard varieties for commercial purposes," it is understood that the entire force is interested to produce the best obtainable, realizing that in these days of keen competition the best is none too good. The company also makes itself popular among the trade by refusing to sell anything not produced on the place; only by the express wish of a purchaser is stock procured elsewhere, full notice of which must be given before booking the order.

The most interesting feature of the establishment to the visitor is the grafting of Roses. No establishment in the East is in a better position to complete an order for any quantity of either grafted or own root stock. The advantages of grafted stock were clearly shown by W. R. Pierson to be far in advance over that of own root stock, especially during the first blooming period, when the first named produces two crops while the latter is making growth; and during the season the advantage is always in favor of grafted Roses, as the stock is more vigorous and easily handled, proving less subject to mildew and black rot. The two Killarneys, Richmond and My Maryland Roses are grown very extensively. The doom of the Bride and Bridesmaid varieties is sounded, and this year will see the end of them, except where grown for purposes of stock. The one great advantage of My Maryland is that it gives flowers at times of the year when other varieties are off crop, thus enabling the houses to contribute some income, as the help must be paid the same, week in and week out. The company will endeavor to ship this Spring 350,000 grafted Rose plants, 2½" and 3" sizes, to accomplish which 10 men are continually engaged in getting the stock ready. 90,000 of these plants are in condition for immediate shipment, and others will follow rapidly. When all grafting is complete, the 10 men are shifted to the packing shed, from whence about 5000 plants will be shipped daily, a task consuming no small amount of labor.

Carnations form another interesting subject, and here the lover of these flowers can see perfection in growth as well as study the various points of every variety grown. It is a Mecca for growers and retailers for a radius of hundreds of miles, and hardly a day passes but what some distant visitor is taken over the place. Nearly all the newer introductions are given a trial, those in flower now including Mrs. J. C. Vaughan, Georgia, and Pink Delight, in all their stages of development; none are carried in stock unless found to be as represented. In the standard varieties, Beacon, Octoroon, White Perfection and Winsor are given special prominence, while the pink and white Enchantress, Variegated Lawson, Winona, Melody, and a few others are also used for commercial purposes. Many hundreds of plants of this year's introductions are on the benches, the varieties including Alma Ward, Mrs. C. W. Ward and others which the company has listed in its catalog.

Chrysanthemums are grown quite extensively, and for the propagating of these by the thousands two entire houses are planted with stock of such varieties as Virginia Poehlmann, Golden Glow, Pacific Supreme, Lynwood Hall, Golden Chadwick, as well as many others, including all the best of the standard varieties. Pompons also receive attention, the following list containing some which will be found useful to all florists: In white, Lula, Queen of Whites, Nio, and Naquificas; in pink, Leo, Alma, Alena, Acto and Utau; in yellow, Baby, Quinola, Zenobia, Lodi, Sunshine, and last, but not least, Garza, the well known variety which was so prominent in all the shows last Fall, as well as in the retailers' store windows.

The immense business done in bedding stock alone is enormous, and from this department thousands of rooted cuttings are shipped daily. Coleus, of which the firm carries in stock about 15 of the most useful varieties, including some fancy large leaf kinds, is somewhat of a specialty.

Geraniums, the list of which contains such well known varieties as Marquis de Castellane, S. A. Nutt, Thomas Meehan, Miss F. Perkins, Beaute Poitevine, Mme. Landry, as well as Mad. Salleroi, the well known border variety, are an extensive source of revenue; and other bedding stock, such as Ageratum, Salvia, Alternanthera, Heliotrope, Vincas, etc., find a ready sale among the number of the company's patrons.

Palms, including many of the best varieties of Kentias, Arecas, Cocos Weddelliana, Latanias, as well as Araucarias, and many of the most profitable Ferns of the decorative, specimen and table varieties, are also kept in stock. Foliage plants, too, are a feature, several houses being devoted to the production of Pandanus Veitchii, Dracæna terminalis and D. Mandaiana, Adiantum Farleyense, A. caneatum, Cibotium Schiedei, Ficus elastica, and F. pandurata, while flowering plants such as Azaleas, Hydrangeas, Hardy Roses, both Hybrids and Ramblers, Genistas, and Begonias are produced at the proper seasons of the year mostly for Easter. Lilies must not be overlooked, 70,000 of which are expected to be in bloom for the Easter trade. The Lily department is very extensive, an immense amount of space and labor being given proper to production. The varieties forced include Formosa, giganteum and multiflorum, from which the company is able to ship Lilies to the various markets at most any time of the year. Credit must be given the man in charge of this department for the fine appearance of all the stock.

Lily of the Valley is forced in such quantities as to enable shipments of about 10,000 each day to be made, the cutting and sorting of which keep quite a few hands busy, to say nothing of the labor required to keep this immense quantity of flowers obtainable at a few hours' notice.

The production of Orchid blossoms is a department recently gone into, and the expectations are that more stock will be added as space will permit.

Many more interesting things could be told of the products of this establishment which a visit to Cromwell will reveal. Among the advancements in building and conservation of labor might be mentioned an automatically regulated engine, which is used in connection with the cold storage department in which are kept the cut flowers, a system which when once installed means the saving of much labor and worry. The immense steam pump used for pumping manure water to any part of the establishment is a feature which, where possible, should be copied by every florist's establishment large enough to afford such an arrangement. There are huge tanks built of concrete, into which is thrown the manure from about 100 cows kept on the place, thereby providing a constant supply of feed to be applied to any crop needing it at short notice.

The company has its own saw mill, blacksmith, plumbing, carpentry and painting departments, all of which are kept busy the year round.

Space prevents further comment on this interesting establishment, but in closing it may be said that apart from his extensive responsibility, W. R. Pierson finds time to win many prizes at poultry shows with his Rhode Island Reds, and the many ribbons hanging on the wall of a room in his home, bear mute testimony to his ability in this line. One note more: since the construction of the trolley line, which passes the office door, visitors are assured of good connections from either Berlin or Middletown, a fact which is much appreciated by all fortunate enough to travel that way. A. H. S.

Books Received

WELLS' BOOK ON THE CULTURE OF THE CHRYSANTHEMUM, FOR EXHIBITION, DECORATION, CUT FLOWER AND MARKET. By William Wells, Merstham, Surrey, England. Fourth edition, revised and enlarged. Published by the author. 124 pages; price 1/6.

The author was recently in America visiting many of our prominent Chrysanthemum growers, and the introductory chapter contains an account of this visit, and a brief history of himself and the three gentlemen who are associated with him in the work of disseminating Chrysanthemums, T. Goacher of Tunbridge Wells, England, Chas. H. Totty of Madison, N. J. and T. W. Pockett of Malvern, Australia, as well as a short résumé of the early history of the Chrysanthemum. Many illustrations enliven its pages, and bring more prominent to the reader's notice the different "breaks" so hard to describe. Insect pests, such as thrip, red spider and green fly are illustrated and described, as well as insect friends and enemies to plant life. Methods of growing 'Mums in England are given at length and there are several halftone illustrations presented showing leading varieties, as well as some popular single, early flowering sorts. Several chapters are devoted to the preparation of 'Mums for exhibition; packing for market; culture for pot plants; varieties for decoration; varieties for market; soil for potting; stopping—an interesting subject, showing how varieties may be improved by this method; Pompons, Anemones and Singles. The subject of staging and judging at exhibitions is also admirably treated. Altogether, the publication contains an immense amount of "meat," covering every phase of Chrysanthemum culture and handling.

Employees of A. N. Pierson, Inc., Cromwell, Conn.—There are 215 Persons in the Group

New Begonia Glory of Cincinnati
Originated by J. A. Peterson, Westwood, Cincinnati, O.

Begonia Glory of Cincinnati

This new variety of Begonia, an introduction of J. A. Peterson, Westwood, Cincinnati, O., is a seedling from B. Socotrana. It is a strong, robust grower, with soft, satiny pink flowers about twice as large as those of B. Gloire de Lorraine, and, unlike Lorraine, does not drop its flowers. As a variety for store decoration and dwelling house use it is likely to become exceedingly popular. It is being disseminated this Spring.

Pink Cherokee Rose

Pink Cherokee Rose

Rosa Laevigata, var. Anemone

This rare variety of the Cherokee Rose is an introduction of the City Nurseries, S. Hockridge, manager, Redlands, California. Cherokee Roses have dark green, thick and polished evergreen foliage. The flowers are single, four to five inches across, on very short stems. They are said to be ideal for pot culture. Grown on solid beds, immense sprays may be cut for Easter. The white variety, Rosa lævigata, is the better known of the type, and has become somewhat popular.

Carnation Dorothy Gordon

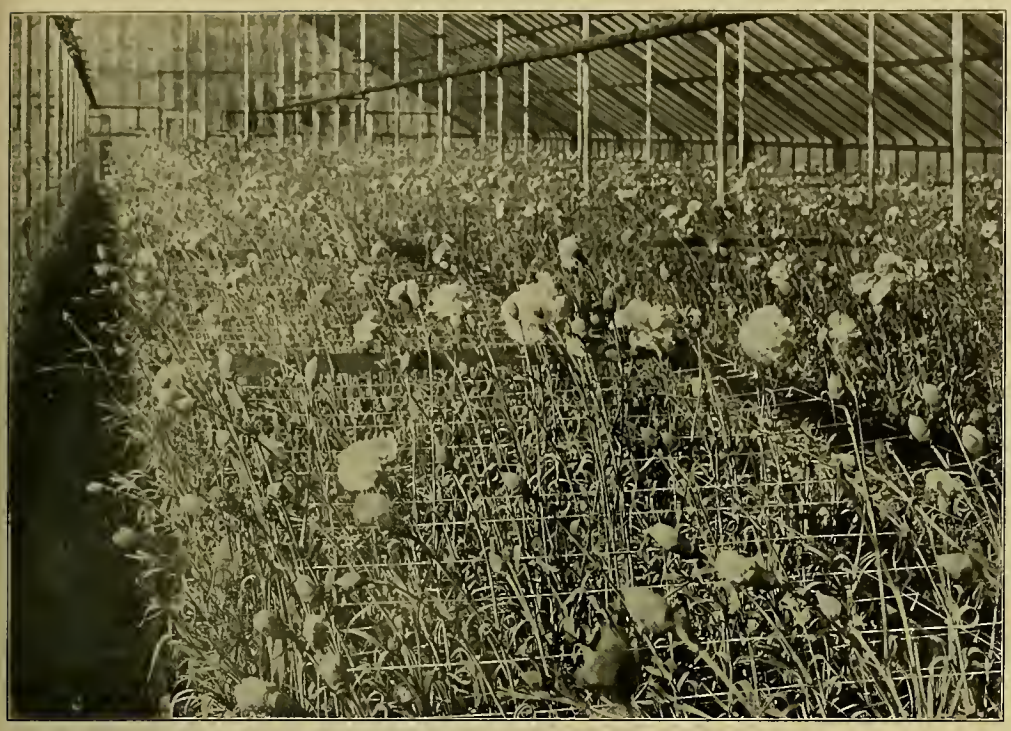
Originated and grown by Jos. Heacock Co., Wyncote, Pa. The free blooming qualities of the variety are apparent even to the most uninterested, and its record for price in the Philadelphia market is greater than that received for any other variety. The plants appear very healthy, and respond readily to extra care, a fact which should make it popular with the Carnation enthusiast. The flowers are of an even color, slightly darker than Rose Pink Enchantress, very full, borne on long, stiff stems, and averaging fully 3 in. across. As to its keeping qualities, any Philadelphia retailer who has handled it will speak in its favor. The variety gained an award in the light pink class at the Pittsburgh convention of the A. C. S.

Carnation Dorothy Gordon

Carnation Washington

This variety is a Lawson colored sport of Enchantress, the stock of which was recently purchased by the Chicago Carnation Co., from Henry Eichholz of Waynesboro, Pa. As a sport of Enchantress it needs no description excepting perhaps of the color, which is a cerise, the same shade as Mrs. T. W. Lawson, quite different from other Enchantress sports.

Carnation Washington



House of Carnation Alma Ward. Photographed Feb. 7, 1910
Introduction of the Cottage Gardens Co., Queens, N. Y.

Carnation Alma Ward

This variety is another trade introduction of 1910 by the Cottage Gardens Co. It is a beautiful, pure white, except during dark weather when it shows delicate splashings of pink similar to a Cattleya, a peculiarity which increases its popularity. Alma Ward is considered to be the largest and most fragrant Carnation ever produced and on the exhibition table within the past four years has been conspicuous as a winner of the highest awards, among them the Lawson silver medal, Toronto, 1907, no gold medal having there been awarded; the Lawson gold medal, Washington, 1908; silver medal of the Society of American Florists, Washington, 1908; and the S. A. F. bronze medal at the Pittsburgh convention of the A. C. S., 1910. As a fancy variety it has always commanded much higher prices than any other variety in the New York market, and the demand for it has been such that the supply of cut flowers has always been inadequate.

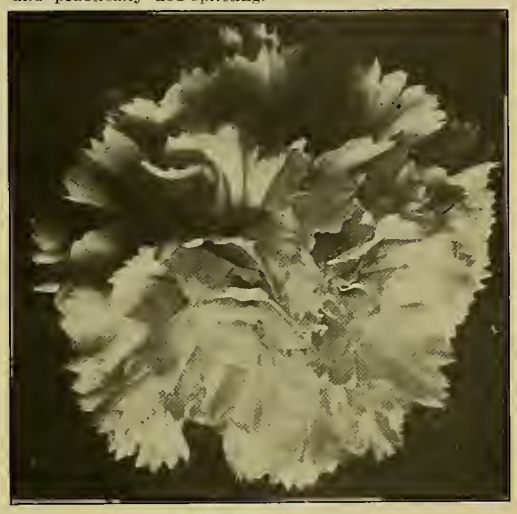
Carnation Mrs. C. W. Ward

One of the most prominent Carnations being disseminated this year is the variety Mrs. C. W. Ward, grown at the well-known establishment of the Cottage Gardens Co., Queens, L. I., N. Y. Although a notable prize winner at the shows within the past four years, it is offered to the trade this year for the first time. Some of the honors it has carried off are as follows: Silver medal of the Society of American Florists, Boston, 1906; the Craig Cup for best seedling, Philadelphia, 1906; the Lawson bronze medal, Washington, 1908; the Horticultural Society of N. Y. silver medal, sweepstake prize for best 100 blooms, New York, 1909; the Horticultural Society of N. Y. diploma for best new variety, New York, 1909; and the S. A. F. silver medal at the Pittsburgh convention of the A. C. S., 1910.

Mrs. C. W. Ward is a perfectly formed flower with full center; color deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems, 24 in. to 36 in. in length. It is a vigorous, healthy grower, and has never shown disease of any kind; and is a very early and free bloomer, producing fine flowers as early as Sept. 1, which bring from twenty-five to fifty per cent. more than any other variety on the market. The keeping qualities of this variety are remarkable. Several shipments of blooms sent to Europe reached their destinations in perfect condition, and wherever exhibited it has always been the last to show signs of wilting.

Carnation Princess Charming

This Carnation, shown by H. Eichholz of Waynesboro, Pa., its originator, is described as follows: Color, salmon pink; growth, stem, calyx, of extraordinary strength and size, a giant among Carnations; very free bloomer and practically non-splitting.



Carnation Princess Charming

New American Rose Panama

This new Rose was shown at the Jardin des Bagatelles in Paris, June, 1909. The scoring of Panama at Bagatelles was eminently satisfactory, and was preliminary to a final appearance next June, after a second Winter outdoors there. The E. G. Hill Co., its originator, describes it as follows: "This seedling is a very strong growing bedding variety, a cross between Mme. Jenny Gillemot and Paul Neyron. The flower is extremely beautiful, from a long pointed bud which has large enclosing outer petals. The color is white and salmon flame, very much the same tint as in Viscountess Folkstone, but much intensified. The variety is bushy and strong growing and promises to be a first rate bedding variety. It scored 8 points at the Bagatelles, being exceeded by only one variety, one of M. Pernet-Ducher's seedlings, and we are hoping that at the second scoring, which will occur next June, it may attain the highest number of points after being thoroughly established, as the plants which were judged this year were only sent across the water last January (1909). We feel quite proud of its record thus far, and feel sure that it will be a delightful addition to our list of fine garden Roses. We have not yet tried it outdoors over Winter, but believe that its Paul Neyron parentage will render it hardy even in our northern climate."

E. G. Hill Co.'s New American Rose "Panama"

Carnation Conquest

Conquest is a variegated variety introduced by the Chicago Carnation Co., Joliet, Ill., and is considered to be one of the best of its type since the days of Prosperity, all the good points of which variety it seems to possess, including its free blooming qualities and stiff stem. In color it is a light flesh pink as a background, overlaid with a deep rose pink extending clear through the petals.

Carnation Conquest

Carnation Shasta

The photograph herewith is of a bench of Carnation Shasta, a meritorious introduction of Baur & Smith, Indianapolis, Ind. The bed is one of 1800 plants, from which, up to January 1, over 15,000 blooms had been cut, and it is still producing just as heavy as ever. As a money making white Carnation this variety probably has no equal among those on the market today.

A Bench of Carnation Shasta at Baur & Smith's, Indianapolis, Ind.
Planted Aug. 1, 1909. Photographed Dec. 1, 1909.

Carnations Bon Ami and Granite State

Bon Ami and Granite State are two new Carnation seedlings, the result of crossing Queen upon Lady Bountiful in the year 1905, by George E. Buxton of Nashua, N. H. Both are white in color but of entirely different habit. Bon Ami in habit is quite similar to White Perfection, but makes a much better plant in the field. It has always been the first to come into bloom, bearing a very heavy crop of first-class flowers about the middle of October and continuing throughout the season with a crop equal to any of the commercial white varieties of today. Its blooms are of good size, being on an average 3 in. in diam. with many flowers, and when at its best 3½ in. in diam. The stems are long and very stiff, holding the bloom perfectly erect.

Granite State, although the result of the same cross as Bon Ami, was not from the same seed pod. The habit of growth is all that the critical grower could ask for. When housed in August the plants are in appearance very much like the grand old variety Wm. Scott. The stems are of extra length and hold the flowers in a graceful, upright manner. The blooms are of good size, being from 3 to 3½ in. in diam. For freedom of bloom, size of flowers, health and habit of growth, with practically no split calyxes, Mr. Buxton sees no reason why this Carnation should not fill the long felt want for a good commercial white. Granite State will be disseminated in 1911.

Carnation Bon Ami

Carnation Admiration

The flower of this variety is of a beautiful shade of pink, somewhat lighter than Winona, and having a beautiful satin finish. The size of the flower is 3 to 3½ in., of excellent form, well built up in the center, with an arrangement of petals admirable for a fancy commercial variety. In habit the plant is upright, with very little surplus grass, and every shoot making a flower. It is very free and comes into bloom early. The calyx is very tough and seldom bursts. The flowers have been found to keep well and make excellent shippers. The variety is introduced by the Chas. Knopf Floral Co., Richmond, Ind.

Carnation Admiration

Carnation Norwood

This seedling has been grown for some time by the Robt. Craig Co. at 49th and Market sts., Philadelphia, Pa., and was last Fall transferred to the company's new establishment at Norwood, Pa., where four benches of it may be seen growing. It has been thoroughly tested and has proved a winner, consequently is to be disseminated next year. The flowers are pure white, borne on strong, wiry stems. The variety blooms early and continues right on throughout the Winter season, producing good-sized blooms. It is purely a non-splitting variety, and as grown with other varieties in the same house, and given the same treatment, it thrives well. All the plants are in a healthy condition, and under general cultural methods respond quickly, new growths showing from four and five dormant eyes as rapidly as can reasonably be expected after developed flowers have been cut. The flowers open quickly, and they have proved their keeping qualities many times over. It was exhibited at the A. C. S. convention, Pittsburgh.

Carnation Norwood

Gladiolus Gaiety

Gladiolus Gaiety was raised by Harry G. Wolfgang, Leetonia, Ohio, and that gentleman says that in general appearance it resembles G. princeps, but is much more dwarfed. He has had it growing with him for nine years and deems it a beauty.

Asparagus Elongatus

This species, like most of the others, is a native of South Africa from whence it was imported. It is an upright grower, sending out stems from four to seven feet in height, terminating in a broad head of fine, fluffy foliage. These are covered with thousands of small, whitish flowers which give it the appearance of the well-known Baby's Breath (Gypsophila paniculata), and in that condition it is the most beautiful object to use for decorating as, with its light green foliage and its fine, whitish flowers interspersed among a dozen Roses, Carnations or other single-stemmed flowers it makes a handsome bouquet.

When better known it will no doubt become one of the most useful greens for cut purposes, as it is the only Asparagus having upright stems and so is well fitted for decorations of long-stemmed flowers. Being of a very lasting quality, like the other varieties, it will be found a welcome addition to the list of plants used for decorative purposes.

To the growers it will prove a most profitable plant as, after cutting down the stems, it will branch out and quickly send up a new growth, which will be ready to cut again in a few weeks; thus it could be properly termed "Cut-and-Come-Again Asparagus."

New Seedling Iris Juniata

A promising new seedling Iris, named "Juniata," has been originated at the establishment of Bertrand H. Farr, Wyomissing, Reading, Pa. This Iris is similar to I. pallida but is much taller than that variety, and the foliage is very long, giving it a very graceful and drooping effect. Mr. Farr says that out of 400 or more varieties of Iris grown by him there is nothing to compare with I. Juniata in height, which is about 4½ ft. Mr. Farr is the president of the American Peony Society.

Kroeschell Bros. Co., Greenhouse Heating Engineers, Chicago

The Kroeschell Greenhouse Generator

The Kroeschell 1910 Novelties

We are now supplying on all orders our 1910 model of the Kroeschell Hot Water Boiler, which is an improvement on the "Kroeschell" of the past. The following main features of the boiler have been strictly adhered to: Crown sheet fire surfaces; thin water ways; long fire travel. The fire box and combustion space have been largely increased, resulting in greater efficiency than obtained by any other form of construction.

The Kroeschell "Giant" No. 16 Boiler, net working capacity 20,000 ft. of 4-in. pipe, is the new size designed for central heating systems.

A New Departure

We are now offering our new Kroeschell Water Tube Steam Boiler for large steam and power plants; capacity of this type of boiler ranging from 150 to 600 horse power. Compactness, effectiveness of heating surfaces, economy, durability, steady water line, and even steam pressures, are the features of this type of boiler.

The Kroeschell 1910 Model Shaking and Dumping Grate

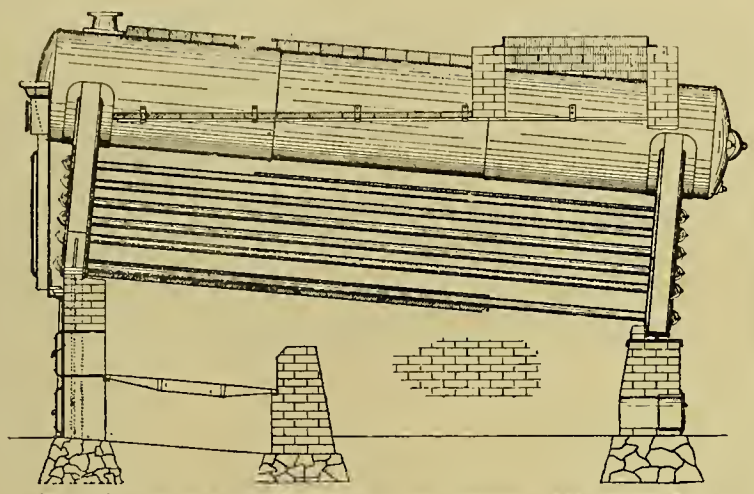
Burns any kind of coal. The shaking and dumping arrangement is very strong. No complicated machinery to get out of order. This grate is self-cleaning at every move and clinkers cannot cling to the fingers. All parts are made strong and heavy, and at the same time 50 per cent. of air space is obtained, a desirable and long sought for feature, giving better combustion. The fingers are all cast in separate pieces, which reduces the cost of repairs to the minimum; all finger pieces are interchangeable and can be readily replaced at a trifling cost. This grate is made to fit every type of boiler or furnace.

During the past cold spell, many Kroeschell Generators were installed in all sections of the country, and out of the many hundreds sent out but one was returned. Everybody is praising this apparatus, and almost daily we receive such reports as:

"The Generator saved my place." "I could not live without the Generator." "The Generator is making Summer heat for us." "The Generator equalizes the temperature in our houses and, besides, saves fuel."

"The Generator makes the returns much hotter than they were with the old gravity system." "Since using the Generator the heat of my hot water pipes is equal to steam." One of our customers writes: "The Generator is doing everything you claim for it, and has made a wonderful improvement in our heating system, but what makes this "blind" machine work?"

We will endeavor to explain here the operation of the Kroeschell Greenhouse Generator, which was designed especially for greenhouse heating.



Elevation Drawing of Kroeschell's New Water Tube Steam Boiler

By a careful study of Figs. 1, 2 and 3, and a perusal of the following description, a perfect knowledge of just how the Generator operates, to produce varying pressures of from 0 to 10 pounds, may be obtained. When the water in the system is cold, the mercury 11 Fig. 1, will all lie at the bottom of the mercury pot 7, and all other parts of the Generator will be full of water. Before the Generator can operate, all interior parts must be submerged in water.

When a fire is started in the boiler the water is heated and begins to expand or increase in volume; this expanded water flows into the Generator at 6, and causes the water 9, to press down on the mercury 11, Fig. 1. The expansion of the water thus forces the mercury down in the mercury pot 7, and up through the circulating tube 4, and stand pipe 5, Fig. 2.

As the water continues to expand the mercury will continue to rise in the circulating tube 4, and standpipe 5, and will lower to a corresponding extent in the mercury pot 7, Fig. 2, until it lies level with the top of the circulating tube, inlet 14, Fig. 3. At this time the mercury is level with the top of the circulating tube 4, and standpipe f, Fig. 3.

The water having forced the mercury down slightly below the top of inlet 14, Fig. 3, will pass over the mercury, at 13, Fig. 3, into the circulating tube 4; the water, being over thirteen times lighter than the mercury, will pass very rapidly through circulating tube 4, constantly carrying a quantity of mercury with it. When the water and mercury reach the top of the circulating tube 4, the water will pass up and around the deflector 2, Fig. 3, and out through opening 1, to the expansion tank.

The mercury which is driven upward with the water in the circulating tube 4, will not return through this same tube, but will return through space 8, or the standpipe proper, into space 15, thence out through space 15, into the mercury chamber of pot 7, thus raising the mercury level in the mercury chamber, and operating in a manner similar to a balanced valve to regulate the passage of water through the circulating tube 4.

From the above description it is apparent that a positive circulation of the mercury, upward through the circulating tube 4, and downward through the standpipe 5, Fig. 3, is attained under all normal working conditions, thus positively retaining the mercury within the circulating tubes of the Generator. It is also apparent that a 10 pound pressure will be produced and maintained and at the same time permit all excess water of expansion to pass freely into the expansion tank.

When the water throughout the system cools and contracts, the exact reverse of the above operation takes place, and the mercury will gradually lower in the circulating tube 4, and standpipe 5, and rise to a corresponding extent in the mercury chamber of pot 7, Fig. 2. If the water continues to cool, the above action will continue until the mercury will all lie in the mercury chamber 11, Fig. 1. A pressure of ½ pound at 1, causes the water to flow from the expansion tank downward through the standpipe 5, outward through space 15, thence upward through the mercury 11, Fig. 1, and out through 6, into the system.

To drain the Generator, remove plug 10.

The Kroeschell Greenhouse Generator is manufactured in three sizes for gravity circulation, and special sizes for forced circulation heating systems.

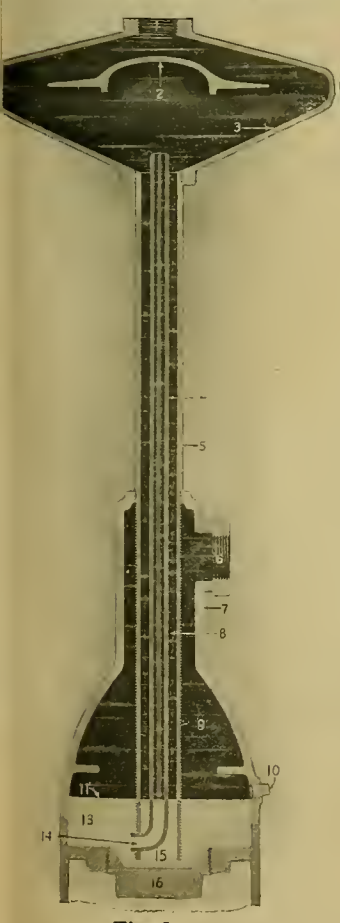


Fig. 1

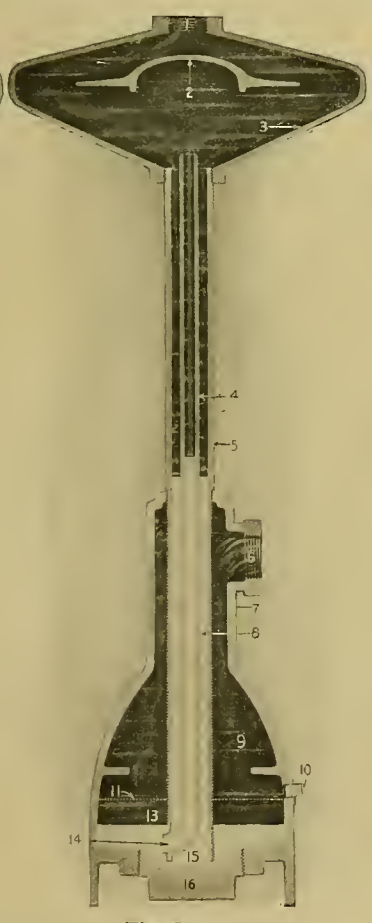


Fig. 2

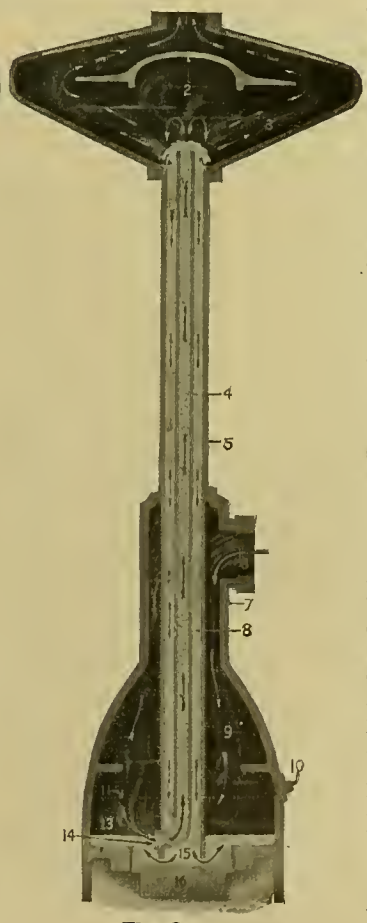


Fig. 3

Dimorphotheca Aurantiaca

This is a rare and exceedingly showy annual from Namaqualand, South Africa, of very easy culture. The plants, of neat branching habit, grow about 12 to 15 in. high and are exceedingly profuse in flowering. Its Marguerite-like blossoms, 2½ to 2¾ in. in diameter show a unique glossy, rich orange-gold color with dark-colored disc surrounded by a black zone. It is well adapted for groups or borders, produces its pretty flowers very early after being planted out in the open ground in sunny situations, and will continue to flower during the Summer. It gained an award of merit at the Temple Show, London, in 1907.

Catalogued by all the leading seedsmen.

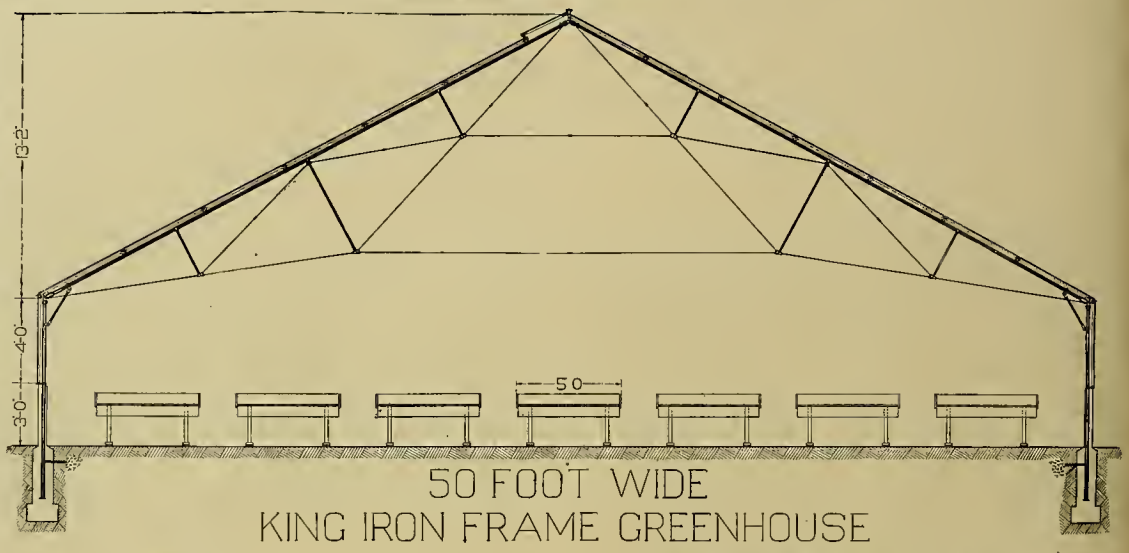
Introductions of the King Construction Company, Horticultural Engineers, North Tonawanda, N. Y.

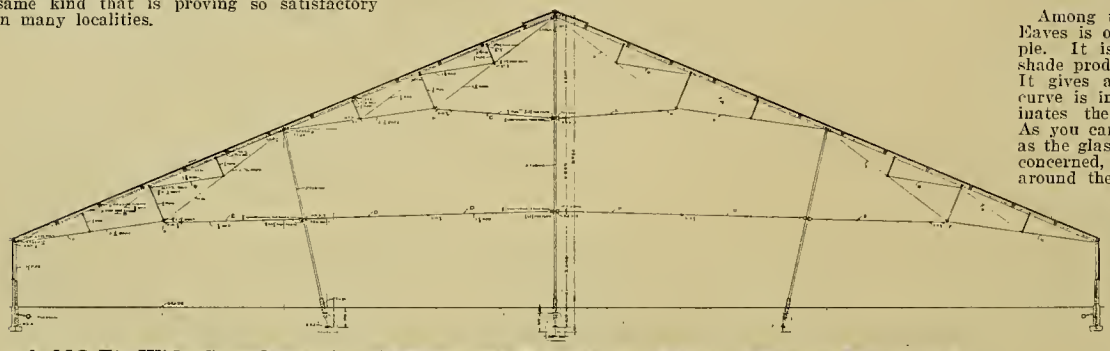
The King Iron Frame Greenhouses have been on the general market for such a short time that they come easily under the class of new things for 1910. These iron frame houses are built up to 54 ft. wide without any purlin posts. The iron frame greenhouse has for many years been regarded as the "top notch" of greenhouse construction, but within reach of only the most prosperous, until the advent of the "King Iron Frame Construction."

The first style of iron frame greenhouse was built with flat iron rafters, usually supplied in one piece, starting at a channel, bent at the eaves, and continuing to the ridge. These rafters were supported by posts for wide spans and, in connection with angle iron purlins, formed the iron frame of the house, which carries the woodwork and balance of the structural material.

In the King type of iron frame house, the rafters are made of pipe, stiffened by truss work, and the corners at the eaves reinforced by diagonal bracing. On the forms made up in this way rest continuous purlins of 1¼" pipe, which also strengthen the house longitudinally. In this way the complete iron frame is made up at low expense and brought within the reach of the average commercial grower. As a further reduction of expense the owner may furnish the pipe himself.

The accompanying cut illustrates a 50-ft. wide King Iron Frame Greenhouse, the same kind that is proving so satisfactory in many localities.





A 112-Ft. Wide Greenhouse for Germany, the Material for Which Is Now in Preparation

Among the novelties of 1910 the King Curved Iron Eaves is one of the most important to greenhouse people. It is absolutely the most ice clearing and least shade producing metal eaves that has been brought out. It gives all the advantages of curved eaves, but the curve is in the iron, all glass straight, so that it eliminates the trouble and expense of using bent glass. As you can see, the iron eaves is of the same thickness as the glass, and as far as ice clearing qualities are concerned, is the same as though the glass were bent around the corner, where the upright glass of the wall and roof glass would meet.

Iron is a better conductor of heat than glass, so that there is less danger of ice forming on this eave than on the glass itself. Being made of malleable iron, this eave is amply strong for the position in which it is used and the manner of making connections to it. It has nothing to do with the strength of the house, as it only acts as a glazing strip, between the side and roof glass.

Any one contemplating building should investigate this new idea and the investigation will mean conviction that it has more advantages than any other eaves on the market.

The King Iron Frame Construction lends itself very readily to the construction of extremely wide houses, by the use of a combination of posts and trussing. In this way the houses for the Florex Gardens were constructed, their house built in 1909 being 172 ft. wide and 700 ft. long, the largest greenhouse in the world.

These wide houses are economical in construction and maintenance, and produce results that are the supreme attainment from a grower's point of view.

These houses are famous in America and their fame has spread across the ocean to Europe. The King Construction Company are now preparing the material for a house 112 ft. wide for Germany, which is here illustrated.

Part of a Shipment of 805 Bales of Raffia, Recently Received from Madagascar, by McHutchison & Co., 17 Murray St., New York

The King Curved Iron Eave

John W. Duncan
Recently Appointed Superintendent of Parks, Spokane, Wash.

John W. Duncan Goes to Spokane

John W. Duncan, Assistant Superintendent of Parks, Boston, has been appointed Superintendent of Parks of the city of Spokane, Washington, and left Boston Thursday, Feb. 24, for the Northwest.

His friends in Boston, and in fact all New England, are indeed sorry to lose him. He has had a call (like the ministers) to a wider field of usefulness and he must obey. So we are all rejoicing that such an important position has fallen to a Boston man. There are few men who get such an opportunity as has come to him. He is going to practically a new park system where he will have ample scope to show his ability. We have not the slightest doubt that Mr. Duncan will make a reputation for himself and lay out a magnificent park system for Spokane, for which his training in Europe and in this country has given him ample qualification.

John Walker Duncan was born Feb. 28, 1868, in Aberdeenshire, Scotland. He served his apprenticeship under his father at Glack House, Aberdeenshire, who had charge of this fine old estate and famous gardens for 35 years. During the time spent there he gained much valuable information about trees, shrubs, and herbaceous plants. His father had, at Glack House, the best collection of Araucarias, Sequoias, Rhododendrons, evergreens and herbaceous plants that were in the North of Scotland at that time.

Mr. Duncan came to this country about twenty-four years ago and started work under one of his own countrymen at the W. D. Pickman estate, Beverly. After leaving Beverly he went to the G. A. Nickerson estate, Dedham, Mass., which was noted at that time for its excellent collection of stove and foliage plants, and it also had a good collection of conifers. It was at the Nickerson estate that the writer had the pleasure of first making the acquaintance of the subject of these notes, resulting in a fellowship which has lasted through these many years.

For about ten years Mr. Duncan lived in Connecticut and had charge of several large estates there. When he had charge of the W. H. S. Ward estate (Conn.) it was famous for its splendid collection of ornamental trees and shrubs as well as for its herbaceous plants. All this time he used to exhibit regularly at the American Institute shows in New York, and his exhibits of herbaceous plants and shrubs used to be the leading features of the exhibitions.

He came to Boston nine years ago as assistant superintendent of parks and is leaving now with the kindest wishes of all his friends.

He has been especially active in horticultural matters in Boston. He worked continuously for the welfare of the Gardeners and Florists' Club, and also did much valuable work for the Mass. Hort. Society, of which he is a life member; he has held many offices in both organizations, and he is the president of the G. and F. Club of Boston for this year.

Mr. Duncan is and has been an active member of the American Association of Park Superintendents. He was secretary and treasurer of this organization for several years, was vice-president one year, and president last year. He is also an honorary member of the New England Cemetery Superintendents' Association.

Mr. Duncan was given a complimentary dinner by his friends and associates at the Parker House, Boston, on Saturday, Feb. 19. R. C.

[As is known to every reader of The Florists' Exchange, Mr. Duncan has filled the position of its Eastern representative for almost six years, beginning early in 1904. When Mr. Duncan undertook the position he told us he would "make it known that Boston was on the map," and well has he acquitted himself, for he filled the position to our utmost satisfaction and with credit to himself and his city, using tact and good judgment in all matters. We unite with his many friends in wishing him great success, health and happiness, in his new and larger undertaking.—ED.]

The complimentary dinner, which was tendered to John W. Duncan by his friends and associates at the Parker House, Boston, on Saturday evening, February 19, was an event that will be long remembered among the craft of Boston. It was a remarkable gathering; there were Scotch, Irish, English, American and many other nationalities represented by park superintendents, cemetery superintendents, florists, gardeners, seedsmen and market salesmen, and they all joined as one in wishing the guest of the evening the greatest success in his new position at Spokane.

Fifty gentlemen sat down to dinner at 7 p.m. After full justice was done to the inner man and cigars were lighted, Toastmaster John K. M. L. Farquhar made a few preliminary remarks, and as Mr. Duncan had never announced in public that he was leaving Boston he introduced him as the first speaker of the evening. Mr. Duncan made an excellent speech, giving in detail a fine description of Spokane and its parks, and also relating the grand opportunities in the far Northwest. Thomas MacCarthy, supt. Swan Point Cemetery, R. I., was the next speaker, and we think he must have kissed the blarney stone in his early days. For fifteen minutes he kept the house in roars of laughter with his wit and humor, James Scorgie, supt. of Mount Auburn Cemetery, told some capital stories about the "land o' cakes" which were greatly appreciated. He spoke very highly of Mr. Duncan and his abilities, and thought Spokane was fortunate to get such a competent man. Mr. Ross, supt. of Newton Cemetery, made many kind remarks about Mr. Duncan and wished him every success. Wm. N. Craig made a capital speech, as usual, and said he hoped although Mr. Duncan's facile pen was silenced at present for Boston, that they would hear from him in the West through the medium of The Florists' Exchange. He wished Mr. Duncan much success in Spokane. Other speakers were Thomas Grey, Thomas Westwood, David Weir, Jas. Wheeler, Frederick Green, supt. of Roger Williams Park, Providence, R. I., Peter Miller, Edward Rogean, Thomas Butterworth and Robert Cameron. Mr. Farquhar made a very efficient toastmaster. It was admitted that the cemetery superintendents were the jolliest and best story tellers of the evening, and although they have been many years in the cemeteries they are certainly quite lively yet. The banquet was brought to a close at 11 p.m., and all joined in singing "Auld Lang Syne." Many promised to be at the South Station on Thursday, Feb. 24, at 2 p.m. to say farewell to Mr. Duncan. R. C.

Syringing Peach Trees

"Will you please inform me through your paper when Peach Trees under glass should and should not be syringed. The principal thing I would like to know is, should they be syringed when they are in flower?"—Subscriber.

Peach trees should be syringed from the time the heat is turned on. Conditions must govern us in this respect. It is not necessary to spray in very cloudy, damp weather, but in clear or even partially clear it is very essential if the atmosphere is dry. From the time the trees are started until they commence to bloom they may be syringed two or three times a day when there is clear weather. It is not necessary to spray heavily, just enough to moisten the wood and to cause a moist congenial atmosphere. It is poor policy to spray heavily as this would have a tendency to saturate the surface of the border or tubs, as the case may be, with the probability of drying at the bottom—a very unsatisfactory condition. As the Peaches commence to blossom stop syringing, and keep a fairly dry bracing atmosphere, it being absolutely necessary to have the pollen dry around midday. Peaches that are in bloom at this time require hand fertilizing, continuing until the bees get plentiful, when it is not necessary to pollinate the blooms. The pollen can easily be distributed with a camel's hair brush—a rabbit's tail tied on a stick is really better than the brush. Go over the blossoms lightly when the pollen is fully ripe. If the pollen is dry, and the bloom in proper condition, the brush will be loaded with pollen. In a short time this should be repeated until all the blooms have been set, as some blooms open in advance of others. After the fruit is set syringe again, morning and afternoon. Just as the sun begins to lose its strength is the best time to spray in the afternoon, and in the morning before too hot. I may also state, when setting the fruit, particularly in bright weather, after the fruit has been set at midday, the house may receive a light damping down, but no more damping until the following day at the same time, having in mind securing a dry atmosphere before night. Always admit air when the temperature goes above 60°, although not to the extent of lowering the temperature, but rather allowing the temperature to increase. Still, it is not advisable to allow the thermometer to register much above 60° without a crack of air.

There is no trade medium published that begin to equal the EXCHANGE in giving returns to all of its advertisers. Test it for yourself.

Chas. L. Washburn
Elected President Illinois State Florists' Association

The American Carnation Society

Registration

Registration of new Carnation by Frank E. Whitney, Gardener to Winthrop Sargent, Fishkill-on-Hudson, N. Y.

WOODNETHE. Prosperity X Enchantress; pure white, 3½ to 4"; strong erect grower; runs to flowers quick; beautifully formed, full flowers, with the old clove scent; strong calyx, seldom splits; scored 90 points for preliminary certificate at A. C. S. Convention at Pittsburgh. A. F. J. BAUR, Secretary.
Indianapolis, Ind.

Charles L. Washburn

President Illinois State Florists' Association

Charles L. Washburn, recently elected president of the Illinois State Florists' Association, was born February 27, 1858. He commenced work, at the age of 15, in the lumber woods, and kept at the lumber business until 1893 when he formed a partnership with his father-in-law, O. P. Bassett. The firm then started building greenhouses and growing flowers for the trade. They commenced to sell their flowers under their own name the same year, and have continued doing so ever since, selling only their own stock. Mr. Washburn bought Mr. Bassett's interest in the firm four years ago, but still conducts the business under the old firm name. Mr. Washburn married Miss Kate Bassett, the only child of O. P. Bassett, in 1884, and has one son, Edgar B. Washburn, who is associated with his father in the business. Mr. Washburn is a widower, his wife having died in 1902.

The Value of the Experiment Station to the Florist and the Duty of the Florist to the Station

An Address by Prof. J. C. Blair, Head of Department of Horticulture, University of Illinois, Urbana, Ill., delivered before the Illinois State Florists' Association, Urbana, February 15, 1910.

In order to fully appreciate the value of the experiment station to the florist, it is necessary at the outset to have some conception of the nature and scope as well as the function of this great public institution, known as the Experiment Station, which has sprung up throughout the length and breadth of the land. These institutions are really the outgrowth of the discussions which took place at the meetings of our old time agricultural societies. Various kinds of model farms and test stations were proposed, with here and there a real start made. The first station was a private institution established by Mr. L. Valentine at Houghton Farm, Orange County, New York, in 1876. An effort was made by the State of Connecticut in 1873 for the founding of an experiment station but the bill failed to pass. It was this same year that the Experiment Station at California was established and 1879 when the Cornell Experiment Station came into existence. But our experiment station system in this country was not definitely established until 1887, as a direct result of Federal appropriations for that purpose. Since the passage of this, the first Hatch act, there has been some modification in the laws governing these institutions, and as the work has grown and

enlarged additional appropriations have been made. Yet from the first the intent and spirit of the law was the same; namely, "that it shall be the object and duty of said experiment stations to conduct original researches or verify experiments on the physiology of plants and animals; the diseases to which they are severally subject, with the remedies of the same; the chemical composition of useful plants at their different stages of growth; the comparative advantages of rotative cropping as pursued under the varying series of crops; the capacity of new plants or trees for acclimation; the analysis of soils and water; the chemical composition of manures, natural or artificial, with experiments designed to test their comparative effects on crops of different kinds, etc.

Surely, here is a law, the nature and scope of which is sufficient to take in all the problems relating in any way to the business of floriculture. But if we glance back over the twenty-three years that these stations have been in operation, we see at once that the old-established lines of agriculture, or those which have to do with all outdoors so far as the farm is concerned, have been the ones to receive especial attention and the bulk of the money. It is not until a very recent date that the florist's business in this country was thought to be of sufficient importance to receive the especial attention of investigators in these public institutions. In fact, as I have gone down over the list of publications which have appeared as a result of these Federal and State appropriations, I am surprised to find that out of literally thousands of bulletins and circulars, there are but forty-seven which are especially designed to be of help to the florists and gardeners; yet, considering the fact that the florists themselves have not until recently been making any demands upon the experiment stations for help, this list really seems a commendable one. Scanning the pages of these publications which have appeared, we find many things of real and positive help to the florist's business. Take, for example, the work which has been done by various pathologists on the diseases of many greenhouse plants. How can we ever fully estimate the benefit derived from this source alone? If we take these and the many other things accomplished as an indication of what may be done in the future and then stop to reflect upon the rapid rise of the different phases of the floricultural business during the past dozen years, we shall be in a better frame of mind to correctly anticipate what the future holds in store for us. Think for a moment of the step in advance which will be taken when we actually arrive at that stage in our State history when Illinois will have invested in this business $100,000,000 instead of $20,000,000 as at present. Of what value will this enormous floricultural industry in this State be if we do not actually learn how to throttle the insect pests, or if we do not know the correct combination of those materials and elements which go to make up the proper plant food of each of these ever varying and complicated types which we grow for the delight and comfort of the multitude. We have at least one firm in Chicago which cannot really secure a sufficient amount of the organic fertilizer (manure, if you please) which is now required for their establishment. This has become so serious a problem with them that, I understand, they are contemplating establishing upon their premises a large dairy herd whose chief business it will be to make fertilizer with which to grow the dainty blossoms that are to grace our tables. Now, it is not too much to expect that this experiment station, through the experiments already in hand, will definitely ascertain what combination of chemicals or commercial fertilizers can be, in part at least, substituted for the now very precious stable manure. It is my firm belief that there is no industry in the State which will receive a fuller measure of benefit from the money spent in its behalf than will floriculture. The fact that this industry is confined largely to the area encompassed by 20,000,000 sq. ft. of glass, or approximately 400 acres, makes it apparent that we are dealing with control conditions, in large measure at least, and the influence which we can exert upon our plants is greater by far than upon those crops grown in the open. Now, the particular way in which the experiment station will be of most value to the industry, will be in the development of new forms or types better adapted to the requirements of our advancing civilization. Yet of no less importance will be improved cultural methods which must come from long-continued experiments designed to shed light on the food requirements of the different varieties grown under glass. There must be a constant effort to improve existing types. Not only that, but these must be protected from the innumerable enemies which beset them with ever increasing vigor as the industry expands. Again, the trade resulting from this industry must extend into every section of the country and this means that facilities for keeping and transporting flowers must receive careful attention and investigation.

As I allow my mind to project itself into the future, I see, with a certainty that is most encouraging, the thousands of commercial establishments that have grown up within our State furnishing their thousands of employees with a comfortable living, bringing upon the tables, and into the very life of all our citizens, that refinement, that grace, that sweetness of character which comes alone from intimate association with and love for flowers. It will be not alone the commercial florists that have profited, nor those who have labored in one phase or another of the industry as helpers, but also all the people who will have learned to appreciate the value of a flower. How will all this have been made possible? I believe I can see with sure vision that it is because the investigator has worked long and faithfully on one after another of the many problems which you practical growers have called to his attention. Nay, you have not only called his attention to these things but you have insisted that our laboratories, our glass houses, and our other equipment shall have been used or applied to the problem unceasingly until its solution shall have been found. Not only that, but you have seen to it that the State has wisely appropriated the money which has been given back to the people, a hundred, yea, a thousand-fold, through added beauty, pleasure and profit. When all this shall have been accomplished, can we estimate the true value of the experiment station to the florist?

It is the duty of the florist, individually and collectively, within the State to support in every legitimate way the work of their experiment station. The chief reason for this is the fact that it is you, the florists of Illinois, who have secured the appropriations and who are really responsible for the work undertaken. Most of you know, but there are many apparently who do not know, that there is a State law which says that the experimental work in floriculture undertaken by the University shall be along lines agreed to by the director of the experiment station and a committee of five, known as the floricultural advisory committee. This committee is appointed by the State Florists' Association. It is a committee of your own selection.

It is, therefore, understood that this body of people selects five of its most progressive and representative men who shall give to the work their best thought and energy. Not only that, but these five men, being the representatives of the florists at large through their State organization, bring the mature and ripened judgment of all the best florists within the State to the meetings with the University officials. It is here, at these meetings between the advisory committee and the station officials, where the plans are matured after the most careful deliberation. I recall with a keen sense of satisfaction the wisdom and foresight which was brought to bear on the work by the five men whom we have met from your Association during the past two or three years, and I assure you, gentlemen of the convention, that if the work has been faulty, or if this institution has not accomplished all you have expected of it, it is not because of neglect on the part of any of these, our associates in the work. Hour by hour through many a long day, and well into the wee hours of the night, have the members of this floricultural advisory committee deliberated with us, seeking ways and means looking toward the best development of the work. I repeat, therefore, that what has been done has been your work. The work has not only been planned but pushed forward for you and by you through this superb co-operation which means so much in the way of public service. In the largest and best sense the entire University is your University, but the floricultural work in the College and in the experiment station, is in a peculiar sense your own. You, through your representatives on this committee, have made the plans; we here are your servants striving in every way within our power to carry them out. It is, therefore, your duty as florists, to make your wishes known and to co-operate with us through your splendid organization. If you have problems on which you want help, remember that this floricultural plant which we have built belongs to you. It does not belong to me or my associates, and we exhort you to make the equipment and the possibilities which lie within it serve your purposes in the best possible way. If the work does not come up to your expectations, or if all the things that you wish for are not being done, I beg you to make your wants clearly known. Remember, too, that when the work is undertaken and in progress we expect you to stand by it and by the people who are putting their very life into it. If we all, in the Association and in the University, have but done our part, I am sure there will be no cause for complaint. One other thing, please remember that it costs money to build houses of glass, the same as it costs money to build houses of stone or brick. It costs money to develop here an experimental plant which will enable us to serve the floricultural people of Illinois, just the same as it costs money to develop a commercial establishment. It is your further duty, therefore, as florists, to make your wants known not only to us but to your senators and representatives, to the end that when these people meet at Springfield to decide on the very best way to dispose of the $20,000,000 of State appropriation, the florists, who are heavy taxpayers, will not be forgotten. So, let me again remind you that you have a serious duty, a constant and ever present duty toward this your newly developed child at the State University. This youngster will need not only to be fed and clothed but it needs some brothers and sisters. We have an excellent range of houses, but these must be devoted for a long term of years to the special problems for which they are now being used. If we are to do your work in the largest and best way we must have Rose houses, Chrysanthemum houses, Violet houses and Orchid and Palm houses. What we have done thus far is but a beginning. We must go forward until there is here on the campus of your University an equipment for floriculture which will mean as much to this industry as does some of our other equipment to the other industries of the State. If, when this is all done, it should chance to be that we have not succeeded in adding one jot or tittle to the sum total of floricultural knowledge, the effort will have been worth while and the money will have been wisely spent because by it and through it there will have been developed in the hearts and minds of these three or four thousand students a love for and appreciation of flowers, the importance of which can only be appreciated by you men who spend your lives in this, the noblest profession or calling of mankind. Shall we do our full duty; can we be made to see the glorious opportunity?

Delegates at the Illinois State Florists' Association Convention, Champaign-Urbana, Ill., Feb. 15-16, 1910

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PLANTS AND ROOTED CUTTINGS

Fine, Clean, Strong, Well-Rooted Stock

Rose Cuttings

	100	1000
Richmond	$2.00	$17.50
Chatenay	2.00	17.50
Bridesmaid	2.00	17.50
Bride	2.00	17.50
Uncle John	2.00	17.50
Ivory	2.00	17.50
Killarney	2.50	20.00
Perle	2.50	20.00
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Pink Killarney	$4.50	$40.00
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Ivory	4.00	35.00
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Sunrise	4.00	35.00

Carnation Cuttings

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Rose Pink Enchantress	1.50	12.50
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White Perfection	2.00	15.00
White Lawson	1.50	12.50

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Please mention the Exchange when writing.

California Privet

SPECIAL

For two weeks we will make special price on car-lots of 18 to 24 in., 2-yr., well branched and extra fine rooted stock. Small quantities at low prices.

Asparagus, Palmetto and Giant Argenteuil, 3-yr., extra strong, **$5.00** per 1000.

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Rooted Cuttings of Carnations

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Georgia, new white, $4.00 per 100.

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October Frost, Golden Glow, Roslere, Monrovia, Bailey, Appleton, and many others; $2.00 per 100. Pot plants, 2½ inch, $3.00 per 100.

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MRS. W. E. KELLEY, PRES. TAFT, $10.00 per 100.

A Few Stock Plants of Chrysanthemums Still Left

In following kinds at $3.00 per 100, $25.00 per 1000: **OCTOBER FROST, CLEMENTINE TOUSET, APPLETON, GOLDEN GLOW, ALICE ROOSEVELT, DR. ENGUEHARD, WHITE BONNAFFON, YANOMA, NEW WHITE SEEDLING No. 1.**

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April delivery, a few ready for March.

White Perfection, Rose-Pink Enchantress, and **Victory** at $15.00 per 1000.

White Enchantress, $17.50 per 1000. Lawson Enchantress, Winona and **Beacon,** at $20.00 per 1000.

O. P. Bassett and **Alvina** at $30.00 per 1000.

Fenn, Lawson and **Winsor** at $10.00 per 1000.

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Ready March 21st, and later.

Nutt at $10.00 per 1000. **Ricard** and **Poitevine** at $12.50 per 1000.

ASPARAGUS Plumosus, $26.00 per 1000.

ASPARAGUS Sprengeri at $25.00 per 1000.

Sprengeri "Special" ready for 4-in. pots at $50.00 per 1000, sample for 10c.

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CALIFORNIA PRIVET

500,000 2-yr. plants, with 12 to 20 branches; have been transplanted once and cut back 2 yrs.; $4.00 per 100, $37.50 per 1000, packed. Will make a good close hedge at once. 500,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr.; $3.00 per 100, $27.50 per 1000, packed. 1-yr. plants 12 to 18 in., well branched, $2.00 per 100, $17.50 per 1000, packed. 500 at 1000 rates. Cash with order.

JOHN BENNETT, Atlantic Highlands, N. J.

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Bon-Ami

Blooms 3-3½ inches
Stems 24-30 inches

Strong Grower
Free From Disease

G. E. BUXTON
NASHUA, ... N. H.

An early, continuous Bloomer

An honest Commercial Carnation

A new seedling White Carnation of exceptional merit as a dividend payer. Not a Gold Brick or Bunco Sort. One that will pay its Board and Lodging and present its owner with a balance on the right side of Ledger. Buy it and be convinced that Bon-Ami is all that its name stands for—

Price $10.00 per 100 *"A Good Friend"* **$75.00 per 1000**

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60,000 CALIFORNIA PRIVET, fine 1-year-old stock, 18 to 24 in., $2.00 per 100, $15.00 per 1000; 24 to 30 in., $2.50 per 100, $20.00 per 1000. Special prices in 6000 lots to dealers, all No. 1 stock. 5,000 extra strong **AMPELOPSIS Veitchii.** Field grown vines, live tops and roots, now in cellar. $4.00 per 100, 500 at $3.50 per 100. **P. S. 25,000 Canna Roots.**

BENJ. CONNELL, Florist, **Merchantville, N. J.**

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CALIFORNIA PRIVET 15 to 18 ins., $1.50 per 100, $12.00 per 1000; 18 to 24 ins., $1.75 per 100, $15.00 per 1000; 24 to 30 ins., $3.00 per 100, $25.00 per 1000 CASH WITH ORDER.

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Enchantress	$2.50	$20.00
Pure White Enchantress	3.00	25.00
Rose Pink Enchantress	2.75	22.50
White Perfection	2.75	22.50
Winona	3.00	25.00
Beacon	3.50	30.00
Winsor	2.50	20.00
Harlowarden	2.00	18.00

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SMITH & GANNETT, Geneva, N. Y.

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My stock has not been allowed to throw over three blooms per plant and is, therefore, very vigorous, producing cuttings strong and full of life. Cuttings from such stock will produce more and better flowers next Winter than the ordinary grade from stock that has been flowered to death.

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Harlowarden	$2.00	$18.00
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Rose Pink Enchantress	2.75	22.50
White Perfection	2.75	22.50
Pure White Enchantress	3.00	25.00
Winona	3.00	25.00
Beacon	3.50	30.00

250 at 1000 rate.

A. A. GANNETT, GENEVA, N. Y.

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Rooted Cuttings

	Per 100	1000
Perfection	$2.00	$17.50
Georgia	5.00	
Enchantress	2.00	15.00
Rose Enchantress	2.00	12.50
Winona	3.00	25.00
Afterglow	2.00	15.00
Winsor	2.00	12.50
Harry Fenn	2.00	12.50
Beacon	2.50	20.00

Boston Ferns, from bench, $2.50 per 100, $20.00 per 1000; ready to plant.

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J. H. Cushing, Prop., Quidnick, Anthony P. O. R. I.

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

OWING to the scarcity of Carnation Cuttings this season, those growers having surpluses of recognized commercial varieties, are advised they can make sales readily through an advertisement in these columns.

Privet Cuttings

60 cents and 85 cents per 1000.

HARRY B. EDWARDS, Little Silver, N. J.

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GRAFTED ROSES

EDWARD J. TAYLOR,
GREEN'S FARMS, CONN.

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Catalogue free on demand.

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I have an extra large stock of two-year-old plants, in all grades, to offer for Spring shipment. This stock is well branched with plenty of fibrous roots.

I can compete in price, quantity and quality with any reliable grower.

I AM GROWING PRIVET TO SELL

LET ME QUOTE YOU PRICES BEFORE YOU BUY.

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Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — **ALBANY, N. Y.** **11 North Pearl Street**
Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

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We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** **124 Tremont Street**
We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** **24 Tremont Street**
Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Robt. G. Wilson — **BROOKLYN, N. Y.** **Fulton St. and Greene Ave**
Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — **BUFFALO, N. Y.**
W. J. PALMER & SON. 304 Main St.

Hauswirth — **CHICAGO, ILL.** **The Auditorium Florist, 232 Michigan Ave.**
The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

JULIUS BAER, CINCINNATI, O. **Fourth St.**

Frank F. Crump — **COLORADO SPRINGS, COLO.** **Retail Florist**
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co — **CONNECTICUT** **New Haven** **1026 Chapel St., Opposite Yale College**
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. G. Matthews — **DAYTON, OHIO** **Florist, 16 West Third Street**
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

The Park Floral Co. — **DENVER, COLORADO** **1706 Broadway**
J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

A Floral Valentine

A unique floral valentine, and one attracting much attention when on display was the casket here shown, and which was originated by Young & Nugent, 42 W. 28th st., New York. It was the work of Wm. F. Hanft of that firm's establishment. A frame of wire gauze, somewhat conical in shape, and having a hinged cover, was lined with Asparagus Sprengeri, and the cover, or top finished with Mrs. Lawson Carnations and Lily of the Valley, the whole decorated with pale green ribbon. Reposing inside the casket were several sprays of Cattleyas. The designer explained that candies, perfume, or other gifts could also be used for filling. A similar casket was exhibited by the firm at the meeting of the New York Florists' Club, February 14, in this case sprays of Phalænopsis being used instead of Lily of the Valley.

Sievers Floral Company — **70 Geary Street** **SAN FRANCISCO, CAL.**
"Choicest of Flowers Always on Hand."

Valentine Casket—Open
By Young & Nugent, New York.

IN THE GARDENING DEPARTMENT of the German Royal Agricultural Academy at Bonn-Poppelsdorf, a Potato plant was last year made to do a double Potato-day's work, bearing Tomatoes above and its own tubers below ground, at one and the same time. This is not as Burbankian as it might seem, for it was merely an instance of successful grafting. The Potato plant was raised in a pot in the greenhouse. When it had attained the desired growth, three Tomato shoots were grafted on the Potato stem. Within two weeks the union was completed, and a few weeks later eighteen Tomatoes and eleven Potatoes were picked, the former were not quite ripened as the Potato leaves withered prematurely. The Handelsgaertner, which quotes the story, while dwelling on the curiosity of this growth, adds that such experiments do not answer practical purposes, since growers generally want either a full harvest of Potatoes or of Tomatoes.

For "Supply" Advertisements see page 379

John Breitmeyer's Sons — **DETROIT, MICH.** **Broadway and Gratiot Ave.**
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co — **INDIANAPOLIS, IND.** **241 Massachusetts Ave.**
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — **JACKSONVILLE, FLA.** **20 Laura St.**
We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — **KANSAS CITY, MO.** **1017 Broadway**
I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — **LOUISVILLE, KY.** **644 Fourth Avenue**
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA** **855 St. Catherine St., West**
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Young & Nugent — **NEW YORK** **42 West 28th Street**
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** **25 Clinton Avenue, North**
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — **SCRANTON, PA.** **122 and 124 Washington Ave**
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** **20-22-24 West Fifth Street**
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write wire, or phone. We are alive night and day.

All advertisers in this column are provided with Arnold's Florists' Telegraph Code No. 16

Valentine Casket—Closed
By Young & Nugent, New York.

BLUNDER RIBBONS

are usually cheap Ribbons that look all right until you use them with your decorations, and then you wish you had something different. Something different in Ribbons, are the qualities that bear **THE PINE TREE LABEL.** These are the Ribbons for **Novelty decorations, funeral decorations, banquets, weddings, etc.;** they are rich toned Ribbons, have a high lustre, are soundly constructed and yet they often cost little more than these Blunder Ribbons.

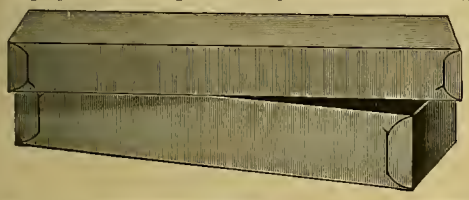
You will find it pays to use the best Ribbons especially when you can get them at our close quotations **direct from the Mill.**

Sample swatches will prove values. A postal brings them

The Pine Tree Silk Mills Co.
806-808-810 ARCH STREET
Philadelphia, Pa.

Please mention the Exchange when writing.

CUT FLOWER AND DESIGN BOXES



All Sizes, Lowest Price
WRITE
C. C. Pollworth Co.
MILWAUKEE

Please mention the Exchange when writing.

FANCY OR DAGGER FERNS, $1.00 per 1000.

GALAX, bronze or green, $1.00 per 1000. **SPHAGNUM MOSS,** 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Telegraph office; New Salem, Mass. L. D. Phone Connection

Partridge Berries, $2.00 per 1000 or 10c. per bunch of 50 sprays.—Order now. Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $12.00 to $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

WILSON'S CORSAGE-BOUQUET HOLDER

Award of "Highly Commended" at the S. A. F. Trade Exhibition at Cincinnati.

Holds Corsage-Bouquets securely and gracefully.
Prevents damage to apparel.
Adjustable to any diameter of bouquet stem.
Adaptable to anything from Violets to Roses.
Does away with Corsage Pins.
A handsomely silver plated article and ornamental in itself.

Samples to the trade, **25c. each,** by mail postage paid. **By the dozen $3.00,** postage paid. Correspondence Solicited.
Address

ROBERT G. WILSON, Fulton St. & Greene Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS
HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.
Dagger and Fancy Ferns, $1.50 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.
A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.
Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

USE KRICK'S

Perfect Handles and Hangers
Just the thing for Easter.
When crowded for space will sustain the weight of 100 pounds.
Sample and prices on request.
CHAS. A. KRICK
1164-66 GREENE AVE., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Southern Wild Smilax

Now ready for shipment.
Write, wire, or 'phone the introducers.
CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA

Please mention the Exchange when writing.

Please mention the Exchange when writing.

WE MANUFACTURE
ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing **Art Wood Novelties** exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK
'Phone 4254 Madison Square

Please mention the Exchange when writing.

MICHIGAN CUTFLOWER EXCHANGE, Inc.

Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.25	28x8x4	$4.60
18x6x3	2.25		
24x5x3½	3.00	30x6x3½	3.75
21x7x3½	3.25	36x6x5	6.60

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.60
18x18x8	9.00	36x10x6	10.00
20x20x8	10.00	30x12x7	8.60
24x24x8	12.00	28x12x4	6.50
24x18x8, Pillow Box			12.00
20x16x8, Pillow Box			10.00

10% discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.
Box 205 CASTORLAND, N. Y.
New York Office, 20 East 42nd Street

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

Rhododendron Maximum
Hemlock Branches
for Cemetery Use

Always Fresh From the Forests

LOG MOSS in Large Sheets

Good Green Color—Well Dried
$1.60 PER BAG

ORDER NOW FOR EASTER

Alleghany Mountain Evergreen Company
FARMINGTON, PA.

Please mention the Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 16 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By good all-around man for private place. Address, C. E., care The Florists' Exchange.

SITUATION WANTED—A1 designer and decorator wants position. Able to manage store. First-class references. Address B. F., care The Florists' Exchange.

SITUATION WANTED—By young man, 25, single, as gardener and florist; thoroughly experienced in greenhouse and landscape work. Best of references. Address, Frank Yates, 53-4th st., South Orange, N. J.

SITUATION WANTED—By a married man in Long Island; understands growing of Easter plants, bedding plants; quick potter and handy most at anything; hustler. Address, A. M., 234 12th ave., Astoria, L. I. City.

SITUATION WANTED—By head gardener, 37, German, married, one child; thoroughly experienced in any line of the business; wife would board men if wanted; best references. Address, B. A., care The Florists' Exchange.

SITUATION WANTED—As foreman or manager by life experience, practical German, 40, married. Palms, Ferns, Roses, Carnations, Chrysanthemums and bedding stock; first-class man; best references. Address, A. E., care The Florists' Exchange.

SITUATION WANTED—As landscape foreman; drawing plans, able to work all architect plans; to handle men to best advantage; fine references;; good salary expected. Life experience. German. Address, A. F., care The Florists' Exchange.

SITUATION WANTED—By young man of good address, 21 years of age, with experience in growing and selling of flowers and plants, also garden work. An up-to-date place in vicinity of New York preferred. Address, C. B., care The Florists' Exchange.

SITUATION WANTED—As head gardener or superintendent, by young man, disengaged shortly. First-class private place only. Grower of prize Roses, Carnations, Mums and Vegetables; landscaping, waste and barren places made beautiful; care of stock, etc. A1 references; state wages. Address, B. C., care The Florists' Exchange.

SITUATION WANTED—As I am about to give up my country place, I am trying to get a position for my gardener (married) whom I have had for a number of years. He is a thoroughly competent man for both, indoor and outdoor gardening, and perfectly honest, sober and industrious. Apply to Weisfelder, 141st St. and Riverside Drive, New York City.

The Horticultural and Landscape Gardening Departments of the Baron de Hirsch Agricultural School announces that the graduates are ready to fill positions with commercial houses engaged in floriculture and landscape gardening, and also positions on private estates as Gardener. These men are fully capable of taking charge of greenhouses, nurseries, parks and landscape gardens. For reference apply to H. W. Geller, Supt., Baron de Hirsch Agricultural School, Woodbine, N. J.

Our advertisers will find our

Stock for Sale Column

most advantageous for advertising special lots of plants, nursery stock, seeds, bulbs, etc.

For Quick Sales

HELP WANTED

WANTED—Single, American man for general greenhouse work; potting, watering, etc. Joseph Wood, Spring Valley, N. Y.

WANTED—Three or four young man as helpers in Rose houses. L. B. Coddington, Murray Hill, N. J.

WANTED—At once, young man for general greenhouse work. Address, W. Mitchell, Box 250, Cedarhurst, Long Island.

WANTED—At once, for permanent position, sober, capable salesman and designer, able to handle best trade. H. F. A. Lange Est., Worcester, Mass.

WANTED—A young man with some nursery experience to assist in Herbaceous Department. State wages wanted. Chas. R. Fish & Co., Worcester, Mass.

WANTED—Two thoroughly experienced men, one for Carnation section and one for Rose section. Apply with references. S. J. REUTER & SON, Inc., Westerly, R. I.

WANTED—Young man for general greenhouse work, good at potting and watering, etc. Wages, $11.00 per week and room. Apply Chas. L. Stanley, Plainfield, N. J.

WANTED—An experienced nurseryman for propagating shrubs, herbaceous and bedding plants. State references, age, and wages wanted. Address, Rhode Island Nurseries, Newport, R. I.

WANTED—Single industrious man of good habits for farm where fruit, vegetables and flowers, outdoor and under glass, are main crop, also some stock and grain raised. References required. State wages. Sunnyside Farm, Dundee, N. Y.

SEEDSMEN WANTED

WANTED IMMEDIATELY—Two good seedsmen for New York house; send references, and name wages expected. Address, C. D., care The Florists' Exchange.

GARDENER WANTED—Good position for reliable man. Charge greenhouse and grounds. Wife or daughter act as laundress at residence. Pleasant modern cottage for gardener and wife. City or main line New York Central. David H. Burrell, Little Falls, N. Y.

WANTED—MARCH 1ST—Young man with experience in packing and grading of flowers on commercial place. Only industrious man need apply; must know how to keep account of stock. State age and send reference from last employer; also wages expected. Address, David Nolan, 729 Orshorn ave., Springfield, Ill.

WANTED—Foreman, thoroughly experienced in the growing of the highest class of decorative plants, Palms, Ferns, Fuchsias, Gloxinias, etc.; also bedding plants and the propagation of nursery stock. Permanent position to an energetic and industrious man with advancement. Address, B. E. care The Florists' Exchange.

WANTED—Before March 15. Single gardener for a private place near Philadelphia. Must thoroughly understand how to trim fancy Evergreens, shrubs and grow first-class vegetables for the house, also how to take care of perennials garden, small greenhouse on place. No cigarette smoker need apply; no other but a hustler wanted; for such a man who can fill the requirements, permanent position is guaranteed. Address, stating experiences, references and wages wanted. Wm. Sturzebecker, Lansdale, La.

NURSERYMAN WANTED

WANTED—A nursery salesman with knowledge of landscape work; must be familiar with the variety and value of all Evergreens; also a nurseryman who is able to take full charge of first-class nursery. Only men with A1 references need apply. Address, stating full particulars, C. C., care The Florists' Exchange.

STOCK FOR SALE

CHRYSANTHEMUMS

GLORIA, a large early Enchantress colored 'Mum, R. C., now ready. $1.00 per 25; $3.75 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

CHRYSANTHEMUMS—October Frost, Estelle, Monrovia, Golden Glow, Halliday, Yellow Bonnaffon, Enguehard. Cash please. George A. Realyea, Poughkeepsie, N. Y.

STOCK FOR SALE — Chryeanthemums, rooted cuttings, Estelle, Desjouis, Poehlmann, Golden Glow, Monrovia, Pacific Supreme, Enguehard, Nonin, $1.00 per 100, $10.00 per 1000. Hardy Pinks, Pansies, Geraniums, Carnations, Boston Market, $1.00 per 100 list. Edward Wallis, Atco, N. J

CHRYSANTHEMUMS—Strong rooted cuttings of Major Bonnaffon, Glory of Pacific, Polly Rose, Pacific Supreme, 75c. per 100; 2-in., $1.75 per 100. Now or later delivery. Also the best commercial sorts of Geraniums in mixture, 2½-in., $1.75 per 100. Would exchange for Carnation cuttings. What have you to offer? L. Mitchell, Jr., Florist, Pulaski, N. Y.

STOCK FOR SALE

CARNATIONS

CARNATIONS—Apple Blossom and Wanoka; strong rooted cuttings. Delivery, January 1. Wanoka Greenhouses, Barnsveld, N. Y.

CARNATIONS, 10,000 strong, healthy, rooted cuttings of Winsor at $20.00 per 1000, now ready for immediate delivery. JAMES L. COCKCROFT, Northport, L. I., N. Y.

STOCK FOR SALE—Carnations, rooted, clean and strong, from boxes; Winsor, Beacon $24.00 per 1000. Rose Hill Nursery, New Rochelle, N. Y.

STOCK FOR SALE—Well rooted Carnation cuttings, Winsor, P. Lawson, White Lawson, Victory, L. Bountiful, $15.00 per 1000. W. Enchantress, Rose P. Enchantress, Enchantress, $20.00 per 1000. Good stock and good count. Cash please. George A. Relyea, Poughkeepsie, N. Y.

WINSOR CARNATIONS
Strong, Clean, Well-rooted Cuttings
$3.00 per 100
25.00 per 1000
We will exchange 1000 well-rooted Winsor, for 1000 well-rooted White Enchantress.
VALLEY VIEW GREENHOUSES,
Velie Bros., Props. Marlborough, N. Y.

CARNATION CUTTINGS.
Strong, clean and well rooted.

STANDARD VARIETIES

	Per 100	1000
Enchantress	$3.00	$26.00
Rose Pink Enchantress	3.00	26.00
Winsor	3.00	26.00
Winona	3.00	26.00
Afterglow	3.00	26.00
Lawson	3.00	26.00
Melody	3.00	26.00
White Perfection	3.00	26.00
White Enchantress	3.00	26.00
Queen Louise	2.60	20.00
Beacon	3.00	26.00
Victory	3.00	26.00
Variegated Lawson	3.00	26.00
M. A. Patten	2.60	20.00
Mrs. Hutchison	3.00	26.00
Roosevelt	2.60	20.00
Boston Market	2.60	20.00
Flora Hill	2.60	20.00
Dorothy	2.60	20.00
Elbon	2.60	20.00
Liberty	2.60	20.00
Climax	2.60	20.00
White Beauty	2.50	20.00
Yellow Beauty	2.60	20.00

NEW VARIETIES

Alma Ward	16.00	120.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Dorothy Gordon	10.00	75.00
Apple Blossom	6.00	50.00
May Day	6.00	50.00
Georgia	6.00	50.00

S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia Pa.

ROSES

ROSE STOCK.

5000 White Killarney, 2½-in. pots now ready at $8.00 per hundred, $75.00 per 1000. Richmond, Brides, Maids, Chatenay, Golden Gate, Killarney and other standard kinds, $30.00 per 1000. Charles H. Totty, Madison, N. J.

	100	1000
ROSES Dorothy Perkins	$6.00	$50.00
Lady Gay	7.00	60.00
Sweetheart	9.00	
LIGUSTRUM Ibota, 3-4 feet	7.00	60.00
" " 2½-3 feet	5.50	50.00

THE HORTICULTURAL CO.,
Worcester, Mass. Castle Hayne, N. C.

ROSES

CRIMSON RAMBLER, 18 to 24 inches, $6.00 per 100.
2 to 3 feet, $7.00 per 100.
3 to 4 feet, 9.00 per 100.
DOROTHY PERKINS, 18 to 24 inches, $6.00 per 100.
2 to 3 feet, $6.00 per 100.
3 to 4 feet, 8.00 per 100.
PERSIAN YELLOW, 2 years, No. 1, $12.00 per 100.
SOLIEL D'OR, 2 years, No. 1, $12.00 per 100.
CLEMATIS Paniculata, No. 1, $7.50 per 100.
X, $9.00 per 100.
See ad. in issue of Feb. 19th, page 310 for prices on Privet. Send for price list now ready.
THE ELIZABETH NURSERY CO.,
Elizabeth, N. J.

MISCELLANEOUS

STOCK FOR SALE—Boston Ferns, strong, from bench $24.00 per 1000. Rose Hill Nursery, New Rochelle, N. Y.

FOR SALE—Primula obconica grandiflora, mixed colors, in bud and bloom, fine plants, 3-inch, 6c.; 2¼-inch, 2½c. Address, Floral Hill Gardens, Chatham, N. J.

ASPARAGUS PLUMOSA PLANTS
2¼-inch $3.00 per 100
4-inch 6.00 per 100
S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia, Pa.

STOCK FOR SALE—Geraniums, Beaute Poitevine, $8.00 per 100. General Grant, Ricard, Nutt, Beauty, etc., $7.00 per 100. All 4-in. fine plants; guaranteed true to name. Alonzo J. Bryan, Washington, N. J.

STOCK FOR SALE

MISCELLANEOUS

STOCK FOR SALE—Gladiolus Alice Carey, the best white in cultivation, No. 1, $5.00 per 100; $40.00 per 1000. America, No. 1, $4.00 per 100; $30.00 per 1000. Price list free. E. Y. Teas, Centerville, Ind.

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices. George Peters & Sons, Hempstead, N. Y.

STOCK FOR SALE—Ivy, English, pot grown plants, 4-in. pots, 3 ft. long, 3 to 5 branches, $12.00 and $15.00 per 100. A. L. Miller, Jamaica ave., opp. Schenck ave., Brooklyn, N. Y.

STOCK FOR SALE—Hyacinths from 4-in. pots, just right for Easter, blue, white, rose, pink or mixed, $8.00 per 100; try them. Tulips, 3 to the pot, $10.00 per 100. Alonzo J. Bryan, Washington, N. J.

AMPELOPSIS VEITCHII SEED, $1.00 per lb. Berberis Thunbergii seed, 75c. per lb. Rosa Rugosa seed, 75c. per lb. Address, F. N. Badden, 145 Pond st., Providence, R. I.

STOCK FOR SALE—GERANIUMS, standard varieties from 2-in. pots, $17.00 per 1000. Asparagus plumosus, 3-in., $4.50 per 100. Asparagus Sprengeri, 3-in., $4.00 per 100, from 2-in. pots, $2.00 per 100. J. S. Pfeuffer, Chester Heights, Pa.

STOCK FOR SALE—Dahlia Roots, undivided field-grown clump, White Swan, Pearl d'Or, Kreimhilde, Nymphia, Lyndhurst and Catherine Duer. Send for special price list. Wood & Healey, Hammonton, N. J.

STOCK FOR SALE—Geraniums S. A. Nutt and Double Lobella, 2-in., $2.00 per 100, Rooted Cuttings, Double Lobella, Salvia, Zurich, German Ivy Ageratums, Gurney and Cuphea, 75c. per 100. Cash with order. F. A. Ezold, Haddam, Conn.

STOCK FOR SALE—Hydrangea arborescens grandiflora alba. We have the largest stock of strong, 2-year plants in America. Plants, 2 to 3 ft., $2.50 per doz., $15.00 per 100, $140.00 per 1000; good plants, 15 to 20 inches, $10.00 per 100. Price list. E. Y. Teas, Centerville, Ind.

STOCK FOR SALE—2000 Easter Lilies from 2 to 6 buds, 10c. per bud or flower. Fine Hyacinths all colors, 10c. a flower. Tulips and Daffodils, double and single, $3.00 and $4.00 per hundred in pot or cut. Cash with order please. Christian Dehn, Saratoga Springs, N. Y.

BOXWOOD

Boxwood, dwarf. Fine, well furnished, perfect, 2-year transplanted plants, 6 to 10 in., $1.50 per doz.; $8.00 per 100. Packed free. No samples. Guaranteed as represented above. CHAS. BLACK, Hightstown, N. J.

STOCK FOR SALE—Genuine Irish Shamrock, original plant coming from cemetery Downpatrick, Ireland. 2¼ in., without pots, $4.00 per 100, $35.00 per 1000; with pots, $4.50 per 100, $40.00 per 1000; 250 at 1000 rate. Order early. Terms, cash. J. D. Harcourt's Son, Wappingers Falls, N. Y.

BEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2¼-in. pots, $12.00 per 100, $110.00 per 1000. Bay and Box Trees, in all sizes, pyramid and standards. Write for list. Orchids, largest stock in the country. Ask for prices. Julius Roehrs Company, Rutherford, N. J.

FERNS AND ASPARAGUS

Boston, 3, 4 6 in. at 5c., 12c., and 35c.
Piersoni, 3, 4, 6 in. at 6c., 15c., and 40c.
Whitmani, 3, 4, 6 in. at 10c., 20c., and 50c.
Sprengeri, 2, 3, 4, 5 in., at 2c., 3c., 6c. and 12c.
Smilax, 3 in., 3c.
GEO. M. TODD, GREENSBORO, N. C.

AMOOR RIVER PRIVET—Great Bargain. This is fine, 2-year stock.
6-6 ft., $4.60 per 100, $40.00 per 1000.
4-5 ft. $4.00 per 100, $36.00 per 1000.
3-4 ft. $3.60 per 100, $30.00 per 1000.
Also 1-year stock.
2-3 ft. $2.60 per 100, $20.00 per 1000.
1-2 ft., $2.00 per 100, $15.00 per 1000.
GEO. M. TODD, GREENSBORO, N. C.

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA

The true large flowering forcing variety, warranted true 2¼-inch pots at $3.00 per hundred, one year field grown strong 12 to 18 inches, $6.00 per hundred, $55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

We Pay The Freight on cut-flower and design boxes. See our price list on page 379, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.
Box 200 - - - Castorland, N.Y.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

SUNDRIES FOR SALE

FOR SALE—Florist wagon, closed; cheap. M. Schling, 1002 Sixth avenue, New York City.

FOR SALE—1000 Sprengeri, 2½-in., $2.00 per 100; 3-in., $4.00; 4-in., $5.00; fine bushy plants ready for 5-in. 500 Scarlet Begonias, 3-in., $5.00 per 100. William Sturzebecker, Lansdale, Pa.

FOR SALE—Three greenhouses at No. 416 Elm Street, Pittsfield, Mass. Glazed with 16x24 A double thick glass; heated with one large 8-section Furman boiler, 2-in. pipe. The drip bars and other material are all of Cypress—just like new. We will sell all or any part of same. Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

FOR SALE—600 boxes 12x20 and 12x16 double thick glass; lot hotbed sash, 16,000 feet of 1-in., 6000 feet of 2-in. and 1½-in., 4000 feet 4-in. Hitchings pipe; 1400 feet ventilating apparatus; 2 Erie locomotive boilers, one No. 6 Lord & Burnham and one No. 17 Hitchings, 2 years old; everything in first-class condition; 10 greenhouses, 20 x 110; complete or in single lots, very cheap. Inspect S. C. Nash Roseries, Clifton, N. J., or inquire Suessermann, 229 Livingston Street, Newark, N. J.

TRUSTEE'S SALE.

On March 1, 1910, at 10 a.m., at the greenhouses, Old Bowery Bay Road, near Flushing avenue, Long Island City, the undersigned will sell at public auction to the highest bidder, by cash, the stock, etc., of Mary Kollege, Bankrupt, consisting of Salvia, Primula, Asparagus Plumosa, all sizes of Ferns, in pots, bench and baskets, Marantha, Honeysuckle, Ageratum, Dracaena, Canna, Antherieum, Hydrangea; also hose, wagon, single and double harness, pots, etc., etc.

WM. H. SIEBRECHT, JR., Trustee.

For Sale

No. 5 Gorton Boiler; manufacturers guaranteed capacity; steam 1600 square feet radiation; hot water, 2400 square feet radiation; hot water, 2400 square feet radiation; in good condition with all parts. Price $100.00. F. O. B. 100 miles radius.

R. C. VERNES

175 Senator St., BROOKLYN, N. Y.

FOR SALE OR RENT

FOR SALE—A retail store in Brooklyn. Well furnished, electric light, etc. Reason for selling: Sickness. Will sell at a sacrifice. Address, C. A., care The Florists' Exchange.

FOR SALE—A good florist retail business, 6000 ft. of modern built glass with workroom and living rooms attached; good trade; best place in town; good reasons for selling. For price and further details, address, Jacob Van Akkeren, Dunkirk, N. Y.

PUBLIC SALE

March 1st.

Florist property, greenhouses, modern dwelling, stable, outbuildings, large acreage, plenty of water, clear title, conveniently located, suitable conditions of sale. For all particulars apply to H. C. Biddle, Ambler, Pa.

FOR SALE

Greenhouse establishment with four semi-iron frame greenhouses, 16x24, glass, with good barn and out buildings. Eight room house with hot water heating; 3 acres of ground right near good town and also handy to the New York market. This whole place has been built the last 3 years and is in first-class condition; well stocked and beautiful grounds. Price $12,000, half cash. Address, A. O., care The Florists' Exchange.

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

Reebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED—800 Kaiserin Roses, one to two years old. Chas. H. Campbell, 3601 Germantown ave., Philadelphia, Pa.

WANTED—To buy or lease retail place with greenhouses in good condition. Give price and location; near New York. Address, C. S., 383 East 198th street, New York City.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. t., care The Florists' Exchange.

TO NURSERYMEN AND OTHERS

The shade tree commission of the Borough of Rutherford, N. J., invites bids for the supplying of shade trees to be used for planting along the streets of the Borough in the Spring of 1910. Bids must specify the different varieties of trees offered, and prices must cover cost of delivery and planting in such quantities, and at such times and places as may be fixed by the commission. Specifications may be obtained from Mr. W. J. Allen, Secretary, 195 Donaldson ave., Rutherford, N. J., and bids must be lodged with him not later than March 15, 1910.

FOR SALE

RADIATORS Steam, 1½c. per lb.; hot water, 2c. per lb. Guaranteed. All sizes in stock.

BOILERS The following new, round, portable hot-water boilers—guaranteed, 16-in., rated to heat 1,126 sq. ft. of glass, $24.00. 19-in., rated to heat 1,600 sq. ft. of glass, $46.00. 22-in., rated to heat 2,250 sq. ft. of glass, $64.00. 25-in., rated to heat 3,075 sq. ft. of glass, $90.00. Get our prices on second-hand boilers. We have one of the largest stocks of new and second-hand round and sectional hot-water and steam boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large Stock—All Makes and Sizes—Send for special prices.

STILLSON WRENCHES New, guar. 18 in., capacity 2 in., $1.20. 24 in., capacity 2½-in., $1.80. Flat chain wrenches, No. 3, capacity ¾ to 6 in., $3.86.

GARDEN HOSE In lengths up to 600 ft., with couplings, 60 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 160 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 80c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.86. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES. All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Orders by Telegraph

For twenty-five cents, cash, we will forward you a handsomely printed card, worth framing, which you can hang in a conspicuous part of your store, to let your customers know you "fill orders for flowers, plants or floral designs to any point" by telegraph.

A copy of Arnold's Florist's Code, price $2.50, will give you a key for the cipher transmission of orders to any of the advertisers in our "Directory of Reliable Retail Houses." All for sale by

The Florists' Exchange

No. 2 Duane St., N. Y.

Headquarters for Easter Plants

AZALEAS One of Our Specialties

PREPARE FOR EASTER

Have Azaleas to burn, the best in the land, the best in the land, the best in the land, Azaleas in finest colors, to beat the band, to beat the band, to beat the band

If you would know the fairest sight your eyes can ever see,
Where the most perfect plants are grown, to Aschmann's come with me.
Why! Ne'er since flowers began to bloom was such a glorious show
Of all the best that florists need found in one place to grow.
The Lilies are the very best yet seen on Easter day,
Azaleas are whole sheets of flowers, perfect in every way.
The Araucarias matchless are, so are the Ferns all green.
With bulbs and plumed Spirea, the best you've ever seen.
And Aschmann gives a challenge, let every florist hear,
For flowers, or prices, either, no rival does he fear.
If you wish to gather dollars like violets in the Spring,
Then send your largest order; his plants the cash will bring.

CHANGING DON'T PAY!!

From whom will you buy your Easter plants? "I have no cause to change," several sensible men in the trade remarked the other day. "Our friend, Godfrey Aschmann of Phila., has been our reliable man of the past and shall, of course, be this year also."

Azalea Indica

In large sizes we have the following varieties: **Bernard Andrea alba** (white), **Niobe** (white double), **Dr. Moore** (double pink), **Memory de Van Hoofte** (large-flowering double pink), **Mme. Van der Cruyssen** (double pink; one of the best known varieties), **Helena Tellman** (rose; very attractive), **Empress of India** (double variegated), **Schreveriana** (double variegated), **Apollo** (red), all covered with buds. Price: $1.50, $2.00, $2.50 to $3.00 each.

In smaller sizes we have **Empress of India** (double variegated), **Simon Mardner** (double pink), **Vervaeneana** (one of the old standard double variegated), **Apollo** (red), **Mme. Van der Cruyssen** (pink; the standard of all the pinks), **Deutsche Perle** (double white), **Schreveriana** (double variegated). Price: 75c., $1.00, $1.26 to $1.50.

Prof. Wolters, one of the so well known bright variegated, $1.00, $1.26 to $1.60.

AZALEA Indica, one of our specialties for the last twenty-five years. Raised for us under contract by our Azalea specialist in Ghent, Belgium. Our stock of Azaleas that we ship is well known to our customers; it is the cream of Belgium exportation—full of buds.

What is the best pink variety? **Mme. Van der Cruyssen** is the name; originated by Mr. Van der Cruyssen of Ghent, Belgium. This variety is too well known by nearly every florist in America to be further talked about. All are as round as an apple, covered with buds.

Do you want to know why our Azaleas are good? Here is the pointer: We don't make a practice of selling them in the Fall, having the rubbish left for Easter, but plant them all as soon as unpacked into 6-7 in. pots, keep them cool and give them the best attention for Easter sales. Those not having many buds are kept over for another year. For example: We import Bernard Andrea alba, Niobe and a few other varieties which do not carry good over their sea voyage; this variety never fails to bloom in the second year.

KENTIA Forsteriana. Imported last Spring (1909) from Ghent, Belgium, in fine condition, 6-7 in. pots, 36-40-50 in. high, $1.25, $1.50, $2.00, $2.50 to $3.00; 4 in., 20c. **Belmoreana**, 6-in., $1.25-$1.50 each; 4-in., 25c.; 3 in., 10c.

☞ **NOTICE: LILY BULBS** of the larger size (9-10 in.) were very scarce to obtain last Fall owing to the wet weather in Japan; not even 20 per cent. could be supplied. But our grower in Japan, knowing well our position, has taken good care of us, and we were one of the few fortunate to receive 5000 of 9-10 in. bulbs from him—our full order of last Spring.

EASTER LILIES. Japan Multiflorum, of our own importation, raised from special 10-in. bulbs, 6-in. pots, right for Easter. This year I can say we have the finest lot, free of disease, we have had for years past. The large demand for Lilies exceeds the supply every year; we, therefore, ask that you order early. Price, plants with five buds and upwards, 10c. per bud; plants with under five buds, 12c. per bud. We can satisfy all wants if ordered soon.

Owing to the small profit in the growing of Easter Lilies, an order for a reasonable amount of other stock should accompany all orders for Lilies.

CINERARIA Hybrida. We have a house full, 125 ft. by 21 ft., of the choicest colors—Henry F. Michell Co.'s best strain, just right for Easter. 6, 5½ to 6 in. pots, medium height, 20c., 25c., 35c., 50c., 75c. to $1.00. Just right for Easter sales. Same are in bloom now for immediate sale, if you wish.

BEGONIA, New Improved Erfordii. Always in bloom, Summer and Winter; 4-in. pots, very strong, $2.00 per doz.; 6¼-in., in bloom and bud, 25c., $3.00 per doz.

PRIMULA Obconica. 5¼-in. pots in bloom, $2.00 to $2.50 per doz.

FERNS for dishes, 2½-in. pot, $5.00 per 100.

Have some white **Azalea Deutsche Perle** and **Vervaeneana** now in bloom if wanted, at 75c. and $1.00 each.

Hyacinths. Raised from first-class bulbs of our own importation. These Hyacinths cannot be compared with ordinary stuff raised from cheap bulbs floating the market. **King of the Blues** (dark blue), **Grand Maitre** (lavender blue), **Gertrude** (pink), and **La Grandesse** (white). 4-in. pots, $12.00 per 100.

TOURNESOL TULIPS. Red or yellow variegated. This is the best selling double Tulip in the market. Will stay in bloom in good condition ten days. Three bulbs in one 4-in. pot, $1.60 dozen pots or $12.00 per 100 pots. **Murillo Tulips**, best double pink, 3 bulbs in a 4-in. pot, $1.75 per doz. pots.

Double Von Sion NARCISSUS. The best yellow Narcissus in the market, sells at sight; three double-nosed bulbs planted in one 5, 5½ to 6-in. pots. Price, $2.00, $2.60, $3.00 per dozen pots.

IPOMOEA Noctiflora. Best pure white Moonvine in market, very fragrant and as big as a saucer. On this variety we have a world-wide reputation as growers and shippers for the last twenty years. Price, 2½-in. pots, $5.00 per 100. 10,000 are now ready.

CINERARIA Hybrida Grandiflora. 5-in. 20c.; 6-in., $3.00, $4.00, $5.00 per doz. 460 right for Easter.

COCOS Weddelliana, 3-in., 15c.

BEGONIA Flambeau. Sells at sight, 4-in. pots, 20c.; 5½-in. pots, 25c.

FICUS Elastica or Rubber Plant. Home-grown and Belgium stock, 5 to 6½-in. 25c.

LATANIA Borbonica. 4-in. pots, 20c.

HYDRANGEA Otaksa. Already forced, in bud, just right for Easter, 6 to 7-in. pots, 35c., 40c., 50c., 75c., $1.00 to $1.50 each.

SPIRAEA Gladstone, 6 to 7-in. pots, large stuff, 50c., 75c. to $1.00 each.

FERNS, Todeaoidea and Whitmani, 6-7 in. pots, 50c., 75c. to $1.00; 5 to 5½ in., 35c., 40c.

GODFREY ASCHMANN

Wholesale Grower and Importer of POT PLANTS

1012 W. ONTARIO ST., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Last Fall

MY OUTPUT OF CALIFORNIA PRIVET WAS GREATER THAN EVER BEFORE.

Ribsam's Reputation

Orders booked now daily. Owing to bushiness and fibrous roots my plants are far above the average grade sold by others at less prices; just one order will enroll you as one of our regular patrons. Thanking all for past favors.

CALIFORNIA PRIVET

	Per 100	Per 1,000	Per 10,000	Per 20,000
3 to 4 feet, Our Special	$6.00	$40.00	$350.00	$650.00
2½ to 3 feet, Extra Bushy	5.00	35.00	300.00	550.00
2 to 3 feet, Our No. 1	3.50	25.00	200.00	350.00
1½ to 2 feet, Our No. 2	2.50	17.50	150.00	250.00
10 to 18 in., Our No. 3	1.50	12.00	100.00	175.00

Packed free. Our stock is A1 in every respect, and I prefer you to call and see it. A trolley line from P. R. R. station leaves you at my gate, only 10 minutes' ride. Hoping to see you and have your order early as possible, as we have only 300,000 left for this Spring's delivery, I remain, yours truly,

CARLMAN RIBSAM, Office, 31 Wall St. (Nursery, Hamilton Ave.) **Trenton, N. J.**

GOLDEN PRIVET

Ligustrum Ovifolium Aureum

1,000 field-grown, three year old plants, $10.00 per hundred; 6,000 two inch pots, $5.00 per hundred. The most beautiful hardy hedge plant.

BERTERMANN BROS. CO., INDIANAPOLIS, IND.

Please mention the Exchange when writing.

August Haerens

Somergem, Belgium

Special grower of High-Grade and new AZALEAS, KENTIAS, ARAUCARIAS, BAYS, etc.

August Rolker & Sons, 31 Barclay St., New York, American Agts

Please mention the Exchange when writing.

"Getsthere Soap Mfg. Co.
Conshohocken, Penna.
Please send us at once the enclosed order of your Getsthere Insecticide Soap. We find this a very satisfactory article for use on plants, and we recommend it highly.
ROBERT CRAIG & CO.,
Philadelphia, Pa.

GETSTHERE SOAP CO.
CONSHOHOCKEN, PA.

Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . **FLORISTS' SUPPLIES** Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

WIRED TOOTHPICKS

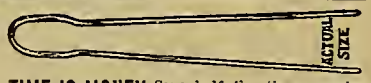
10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.



TIME IS MONEY Save half the time greening your designs by using Florists' Greening Pins. 20c. per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c. per lb. Write for prices on larger quantities.

WM. J. SCHLATTER & SON, 422 Main Street SPRINGFIELD, MASS

Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY
962 Mill Street, KENDALLVILLE, IND.

Please mention the Exchange when writing

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire

IGOE BROTHERS

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes

63-71 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

GERANIUMS ROOTED CUTTINGS

READY TO SHIP	100	1000
S. A. Nutt and La Favorite,	$1.25	$10.00
Castellane and Doyle,	1.40	12.00
Salvia, Bonfire and Splendens,	.85	7.50

Less 3% for cash with order.

Quality Guaranteed or Money Refunded.

B. F. BARR & CO., Keystone Nurseries, LANCASTER, PA.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

WHOLESALE TRADE LIST

ASPARAGUS plumosus, 3-in. pots, $5.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100.
CLEMATIS paniculata, 4-in. pots, $10.00 per 100.
CLEMATIS paniculata, 3-in. pots, $5.00 per 100.
DRACAENA indivisa, 4-in. pots, $10.00 per 100.
ENGLISH IVY, 3-in. pots, $5.00 per 100.

ROOTED CUTTINGS from soil, $1.00 per 100.

Heliotrope, dark blue and white; Feverfew, Gazanias, Fuchsias in 4 varieties, Lobelia, double and single, blue; Ageratum, Cigar Plant, Parlor Ivy, Geraniums (assorted varieties).

Cash with order please.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

Retail Notes

WORCESTER, MASS.—Lange, the florist, has taken the store at 371 Main st. He is now doing business at 274 Main st.

WELLESLEY, MASS.—Alexander G. Lake, florist, has gone into bankruptcy, with liabilities $7526, and assets $153.

RENO, NEV.—The business of the Eddy Floral Company having outgrown its rooms on Virginia st., the company has removed to a more commodious stand at No. 17 West Second st.

PORTLAND, ME.—Nathaniel W. Hanaford, the Main st. florist, has opened a store on Preble st., Portland, to be known as the Hiawatha Flower Store. He will also reopen soon his store at the West End, Westbrook, the same to be called the Minnehaha Flower Store.

SALT LAKE CITY, UTAH.—The greenhouses of C. H. Gold & Son were considerably damaged by water during the recent flood. A fine under the boilers was impossible and a serious loss has resulted from cold weather killing the plants.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

Please mention the Exchange when writing.

CARNATIONS ROOTED CUTTINGS

	100	1000
WHITE		
Apple Blossom	$5.00	$40.00
Mrs. J. C. Vaughan	4.00	
White Enchantress	2.50	20.00
PINK		
Afterglow	4.00	
Viola Sinclair	3.00	25.00
Winona	3.00	25.00
Mrs. Thomas Lawson & Winsor	1.50	12.00
CRIMSON		
Harvard	3.50	30.00
Harry Fenn	1.25	10.00

February and March delivery.
Less 3 per cent for cash with order.
Quality guaranteed or money refunded.

B. F. BARR & CO.
Keystone Nurseries, Lancaster, Pa.

Please mention the Exchange when writing.

Denver, Col.

Floral contributions worth $1200 surrounded the body of Mrs. Anna M. Benson, wife of N. A. Benson, a South Denver greenhouse proprietor, at the funeral yesterday afternoon at the chapel of W. P. Horan, 1527 Cleveland place. It took two carriages to carry the flowers to Fairmount cemetery. The chapel was taxed to its capacity with friends of Mrs. Benson. Members of the Pleiades circle of the Rebecca lodge, of which Mrs. Benson was a member, were in attendance. The pallbearers were selected from the Odd Fellows Lodge.

Greenhouse Boiler Explosion

Early in the morning of February 11 the boilers of the Brinkman greenhouse at Garrett, Ind., exploded, and as a result Harry Brinkman lies at a hospital in a critical condition. At the time of the explosion, the young man had gone to the engine room for the purpose of stoking the fire, and the rest is only a matter of conjecture. The report was heard, and members of the family hastened to the scene, only to find the building in a mass of flames, and the unfortunate young man in an unconscious state. The ambulance was immediately called and the sufferer removed to the hospital, where attending physicians found that he was suffering from a fracture of the right leg and the dislocation of the knee cap on the left limb, aside from many cuts and bruises occasioned by the flying glass that was wrecked by the explosion.

SOUTHPORT, CONN.—E. B. Jennings, the florist, is still a very sick man, but his condition shows signs of improvement.

ELEPHANT'S EAR

Caladium Esculentum

Bulbs 6 to 8 inches in circumference, 200 in a case, 25c. per doz., $2.00 per 100, $15.00 per 1000.

Bulbs 8 to 10 inches, 100 in a case, 50c. per doz., $3.50 per 100, $30.00 per 1000.

Bulbs 10 to 12 inches, 75 in a case, 75c. per doz., $5.50 per 100, $50.00 per 1000.

Bulbs 12 to 13 inches, 50 in a case, $1.00 per doz., $8.00 per 100, $75.00 per 1000.

Monster bulbs 13 inches and upward in circumference, 25 in a case, $1.50 per doz., $12.00 per 100.

Full cases at 100 rate

ARTHUR T. BODDINGTON
SEEDSMAN
342 West 14th Street
NEW YORK CITY, N. Y.

Caladium Esculentum, or Elephant's Ear

Please mention the Exchange when writing.

ORCHIDS ORCHIDS

OF ALL KINDS, AND FOR ALL PURPOSES

WRITE FOR CATALOGUE AND PRICES

LAGER & HURRELL

SUMMIT, NEW JERSEY

Please mention the Exchange when writing.

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants; also importations coming, which we offer at advantageous prices.

ORDONEZ BROS, 41 W. 28th St. New York, also Madison, N. J.

Please mention the Exchange when writing.

ORCHIDS

We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawreneeana, Oaskeliana, Dowiana and Percivaliana. Write to-day.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

Please mention the Exchange when writing.

PALMS! Especially strong plants ready for shifting

Kentia Belmoreana, in 2½-in. pots, $9.00 per 100, $85.00 per 100
Areca Lutescens, in 2½-in. pots, $7.00 per 100, $65.00 per 100

JACKSON & PERKINS CO., Newark, (Near Rochester) New York

Please mention the Exchange when writing.

Please mention the Exchange when writing.

Scholzeli Fern

The best payer and most prolific Fern to date. 2¼-in. $7.00 per 100.

	Per 100
Superbissima, 2¼-in.	$7.00
Whitmani, 2¼-in.	5.00
Scottii, 2¼-in.	5.00

CHAS. H. CAMPBELL
3601 Germantown Avenue
PHILADELPHIA, PA.

Please mention the Exchange when writing.

FERNS ASSORTED FOR DISHES

Full grown plants from 2¼-in. pots, $3.00 per 100; 3-in., $6.00 per 100; 4-in., $12.00 per 100.

Asparagus P. Nanus 3-in. pots, $6.00 per 100.

Cocos and Kentias For Centers, 2¼-in. $10.00 per 100; 3-in., 15c. each.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing

NEPHROLEPIS

WHITMANI, 2½-in., $5.00 per 100; $40.00 per 1000.
MAGNIFICA (new), $25.00 per 100.
BOSTON FERNS, 2½-in. $30.00 per 1000.

Henry H. Barrows & Son,
WHITMAN, MASS.

Please mention the Exchange when writing

300,000 COLEUS $4.00 per 1000, 60c per 100. By mail, 50,000 good, strong, clean, well-rooted cuttings; now in sand. 300,000 more coming on; Verschaffeltii, Golden Bedder, Queen Victoria, Firebrand, and all other leading varieties. Come and see them. Cash with order.

C. SCHULZE & SON, 26t-275 Lawrence St. FLUSHING, L. I., N. Y

Please mention the Exchange when writing.

FERNS
MY SPECIALTY

Boston and Scottii Ferns. 6 in., $6.00 per doz.
Extra Large Bostons, 7 in., $12.00 per doz.

FERNS FOR FERN DISHES

Extra strong, healthy, bushy, full grown, 2¼ in. stock, guaranteed to please; in assortment of 12 best varieties, $3.00 per 100, $25.00 per 1000.
250 at 1000 rate.
Adiantum Cuneatum and Gracillimum, 2¼ in., $3.50 per 100, $30.00 per 1000.

CIBOTIUM SCHIEDEI

King of Ferns: Handsomest, most valuable plant for all decorative purposes; no plant more profitable to both grower and retailer; young stock for growing on, ready for delivery during March, April and May. Largest stock, best prices. Orders booked now.
Asparagus plumosus nanus. Excellent 2¼ in. stock, $3.00 per 100, $28.00 per 1000.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist

Please mention the Exchange when writing.

FERNS

Assorted Ferns for Jardinieres in 6 to 8 best varieties. Good, strong plants from 2¼-in. pots at $3.00 per 100, or $25.00 per 1000.

THOMAS P. CHRISTENSEN
SHORT HILLS, N. J.

Please mention the Exchange when writing.

PALMS, FERNS
and
Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

Please mention the Exchange when writing.

F. E.—The Best Advertising Medium.

St. Louis

A. Y. Ellison has left the park department and has taken a position in the City Forester's office. Charlie Stocke, who was foreman for the late Michel Plant & Bulb Co., is also with the City Forester.

Walter Retzer, who last was in the employ of the Plant Seed Co., left with his family recently and is now located in Brownsville, Tex., where he will take up farming. His many friends in the trade here wish him good luck in his new venture.

Foster Floral Co., Grimm & Gorley, the Riessen Floral Co. and other downtown florists, say they did a large business in Violets and others cut flowers for St. Valentine's Day.

Henry Ostertag of Ostertag Bros. reports that he had several large decorative jobs in the Armory for the automobile show last week, also that store trade since Lent has been good.

F. W. Ude and Wm. Winter, two of the largest growers in Kirkwood, are sending to this market a lot of extra fine Carnations and California Violets. H. G. Berning handles the output of these two establishments.

Among the uptown florists, especially those in the fashionable district, Fred C. Weber, Ellison Floral Co., Ayers & Walbart, had an exceptionally fine St. Valentine's Day trade. Violets were most in demand and these were plentiful.

Geo. B. Windler, F. W. Bruning and E. H. Michel were the florists from here who attended the Illinois State Florists' Ass'n meeting last week at Urbana, Ill. They report a good trade.

Carl Beyer, who was reported sick recently, was out again last week and attending to business. John Connon and John Barnard are also reported out and well again.

The Ladies' Home Circle held their monthly meeting last Monday, Feb. 14, in the parlors of the Washington Hotel. The meeting was called to order by Mrs. Steidle, the president, who called on Mrs. Beneke to start the fun with a game of flowers. After handing each lady a slip of paper with questions on, the members were requested to answer in the name of a flower, for which she offered two prizes —first and second. After laboring with the questions for an hour or so, the contest closed; Miss M. Meinhardt won the first prize and Mrs. J. L. Koenig, the second. There were eleven members present. After the meeting a lunch was served. The next meeting of the Circle will be March 14 when Miss Meinhardt will give something interesting to the ladies.

The Executive Board of the St. Louis Hort. Society held a meeting at the Missouri Athletic Club, Tuesday, Feb. 15; Chairman Nicholson presided. The board decided not to hold a Spring flower show but are working on a Fall show on a large scale. ST. PATRICK.

Leominster, Mass.

Jos. Fuller, 31 Orchard st., has over 60,000 sq. ft. of glass and grows everything which can be sold in his two retail stores, one in Fitchburg and the other at the greenhouses on Orchard st. Mr. Fuller has been here some 18 years and has always been connected with the trade. One of his ranges is on Nelson st., in charge of Jno. B. Sargent as foreman.

Perley P. Lyons, 82 Pleasant st., is well located near Leominster center, and has enjoyed a good run of funeral work. Mr. Lyons has nearly 5000 ft. of glass devoted to mixed stock, but he is specializing in Carnations.

Leominster has about 16,500 population, and is quite a manufacturing town. A recent fire in the local carriage factory has thrown a large number of hands out of work, which helps to keep business down to some extent. The cut flower trade is excellent, the demand much better than for blooming plants.

ATLANTIC, IA.—Eric Frandsen, for some years connected with a florist's establishment here has gone into business for himself at Independence, Mo.

OCEAN HEIGHT, N. J.—Mrs. M. S. Fleming, who has greenhouses here, has opened a retail store, to be conducted under the title The Ocean Height Flower Shop, at 1315 Pacific ave.

LOCKLAND, O.—The Bloomhurst Floral Co. has been incorporated with a capital of $30,000. John Mueller, J. G. Heber, F. M. Backmier, Jr., Wm. Sunderbruch and C. N. Skillman are incorporators.

OXYDENDRUM ARBOREUM

A Hardy Rival of the Croton

I HAVE 10,000 of this valuable American Tree-Shrub, and do not hesitate to recommend it as one of the best of our American natives. It can be used singly as a specimen tree or shrub, or massed in the shrubbery with equally good effect. It is also useful as a deciduous hedge, rivalling the Croton hedges of the South for wealth of color. But unlike the Croton, it is perfectly hardy here.

1 to 2 feet, per 10, $1.25; per 100, $9.00
2 to 3 feet, per 10, 2.75; per 100, 25.00
3 to 4 feet, per 10, 7.50; per 100, 50.00

OTHER CLASSY LEADERS:

Althea Crested Beauty, Azalea Caucasens, Azalea Nudiflora XXX stock, Funkia lancifolia, Hemerocallis in variety, Hibiscus Crimson Eye, seed or plants, Plumbago larpentae

DAHLIAS, Watch the Exchange for our offers.

WM. F. BASSETT
HAMMONTON, N. J.

Please mention the Exchange when writing.

Easter Lilies

500 plants. Just Right For Easter. Buds starting to lay down, 3 to 6 buds to plant, 18 to 24 inches above pot. Will stretch 6 to 8 inches before Easter; 10 cents per bud straight.

JOHN F. HORN & BRO.
20 North 6th St., Allentown, Pa.

Please mention the Exchange when writing.

Large Kentia Wanted

Twenty to thirty feet high and well furnished. Send description, price and weight.

Park Floral Co.
Box No. 700, Denver, Colo.

Please mention the Exchange when writing.

CINERARIA PLANTS

Large Stocky Plants, in 6-inch pots, in bud, will make fine 8-inch plants for Easter. $25.00 per 100.

Also Fine Stocky Plants, in 4-inch pots, in bud, will make fine 6-inch plants, $1.00 per doz. $8.00 per 100.

GENISTA Fragrans, stocky, 7-inch pot plants.
ASPARAGUS Plumosus Nanus, 3-inch pot plants, very stocky, $6.00 per 100.

DAISY PLANTS, 2½-in. pots in bud $5.00 per 100; 5-in. pots, in bud, $2.40 per doz.; 6-in. pots, in bud, $4.00 per doz.; 8-in. pots, in bud, $9.00 per doz.; 10-in. pots, in bud, $2.00 per plant.

Also Lilies, Azaleas, Tulips, Daffodils, Hyacinths, Spiraeas, etc., all in good shape for Easter sales

J. WM. COLFLESH, 53rd St. and Woodland Ave. Philadelphia, Pa

Please mention the Exchange when writing.

WINNERS—Read Their Record

Pittsburgh, January 26, 1910

S. A. F. Silver Medal for best vase of 50 not yet disseminated—**Mrs. C. W. Ward.**
S. A. F. Bronze Medal for second best vase of 50 not yet disseminated—**Alma Ward.**
Best 100 light pink—**Mrs. C. W. Ward.** Best 100 white—**Alma Ward.**
Special Sweepstake Prize for best vase of any color—**Alma Ward.**

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full center; color deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems, 24" to 36" in length. A vigorous, healthy grower, and has never shown disease of any kind.

A very early and free bloomer, producing fine flowers as early as September 1, which bring from twenty-five to fifty per cent. more than any other variety on the market.

Rooted Cuttings, $2.00 per 12, $12.00 per 100, $100.00 per 1000.
25 at the 100 rate. 250 at the 1000 rate.
DELIVERY FEBRUARY 21st

ALMA WARD

This beautiful Carnation is pure white, except during dark weather, when it shows delicate splashings of pink similar to the Cattleya, increasing its popularity.

ALMA WARD is the largest, most fragrant Carnation ever grown, producing perfect flowers 3½" to 4½" in diameter, on strong, erect stems, 36" to 42" in length.

Rooted Cuttings, $3.00 per 12, $5.00 per 25, $9.00 per 50, $15.00 per 100, $35.00 per 250, $65.00 per 500, $120.00 per 1000.
DELIVERY MARCH 1st.

FORMER AWARDS

MRS. C. W. WARD

Silver Medal of the Society of American Florists, Boston, 1906.
The Craig Cup for Best Seedling, Philadelphia, 1906.
The Lawson Bronze Medal, Washington, 1908.
The Horticultural Society of N. Y. Silver Medal, Sweepstake Prize for Best 100 Blooms, New York, 1909.
The Horticultural Society of N. Y. Diploma for Best New Variety, New York, 1909.

ALMA WARD

The Lawson Silver Medal, Toronto, 1907. (No Gold Medal having been awarded.)
The Lawson Gold Medal, Washington, 1908.
Silver Medal of the Society of American Florists, Washington, 1908.

INVITATION We extend a cordial invitation to all those interested to visit our establishment, where they will have an opportunity to see these varieties growing and to compare their good point with other standard varieties grown under the same conditions.

COTTAGE GARDENS CO. Inc. QUEENS (L. I.), N. Y.

Please mention the Exchange when writing.

"Canary Bird" THE BEST YELLOW CARNATION EVER INTRODUCED

EARLY—FREE—LARGE

Rooted Cuttings Ready Now, per 100 $12.00, per 1000 $100.00

Henry Schrade Saratoga Springs, N. Y. — **Scranton Florist Supply Co.** Scranton, Pa.

Westerly, R. I., Feb. 12, 1910

HENRY SCHRADE,
Saratoga Springs, N. Y.

Dear Sir:—We received the cuttings of "Canary Bird" this day in good condition, and are also well pleased with the appearance of the blooms you sent us of this variety. In fact, we would like to increase our order, as this carnation looks very good and we would like to grow a fair batch for trial next season. The blooms which you sent us are at this writing in good condition, they having expanded considerable and it shows to be a good keeper. Can you ship us at an early date an additional quantity of cuttings?

An early reply would be appreciated.

Yours very truly,
L. J. REUTER,
For S. J. Reuter & Son, Inc.

Please mention the Exchange when writing.

Carnation Cuttings

For Present and Later Delivery

	100	1000
Beacon, Enchantress, White Enchantress, White Perfection	$2.50	$20.00
Winona	3.00	25.00
Lawson Enchantress	5.00	40.00
Georgia		

Special price until Feb. 20, first class Winsor cuttings, $1.50 per 100, $12.50 per 1000.

GEO. B. HART
24 Stone St., ROCHESTER, N. Y.

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, $12.00 per 100, $100.00 per 1000.
Alma Ward, $15.00 per 100, $125.00 per 1000.
Mrs. J. C. Vaughan, Bay State, Georgia and G. P. Bassett, $6.00 per 100, $50.00 per 1000.
White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink, Enchantress and Harlowarden, $3.50 per 100, $30.00 per 1000.
New crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons, at 25c. and $1.00 per package.

CHAS. H. TOTTY
MADISON, N. J.

Please mention the Exchange when writing.

THE AMERICAN CARNATION Price, $3.50 Send for Sample Pages

A. T. DE LA MARE PRINTING & PUBLISHING CO. Ltd. 2 to 8 Dunne Street, New York

Pittsburgh

Trade conditions have changed but little the past few weeks. Even though the weather was rather unfavorable stock seems to be abundant, and moves at fair prices. Carnations are in their prime at about 3c. for good stock. Roses are also of fair quality; Killarney seems the favorite. Valley is cut by thousands; C. Koenig of Millvale is growing it in great quantities, very successfully. In bulb stock, Tulips take the lead, but prices are rather low. St. Valentine's Day trade was rather good; Violets were mostly called for. Plant trade is very unsatisfactory; the weather conditions are much to blame for this.

During the cold spell a week ago several shipments of plants from the East arrived in bad shape, almost all of them badly frozen, somewhat due to the packing. Some cut flowers also arrived in frozen condition. A small consignment of Orchid flowers were entirely ruined.

The heavy snows the past few weeks did not do much harm to greenhouses, but have delayed outdoor work, particularly in hotbeds.

Visitors of late were Arnold Ringier, of W. W. Barnard Co., Chicago; P. Berkowitz, of Bayersdorfer & Co.; Rice & Co.'s representative, of Philadelphia, and several bulb agents.

Next week, Tuesday, March, 1, is the date for the monthly meeting of the Florists' Club. The subject of the evening will be bulbous flowers and plants, and other seasonable stock. The finance committee which had charge of the fund for the entertainment of the American Carnation Society meeting in January will make a final report, and the auditing committee of the Club will also make its report. The private gardeners will compete with the following plants: Two best plants Gardenias in bloom, 6" pots; 6 pots, 6", forced bulbs, 6 varieties; 3 pans, 7", each of Hyacinths and Tulips.

E. C. REINEMAN.

Rochester, N. Y.

The condition of trade has not improved, in fact if anything it is worse than last week, and the prospects are such at present that little hope is held of any improvement till Lent is pretty well over.

Carnations are still a glut on the market and impossible to move at anything like satisfactory prices. The same may be said of bulbous stock. We usually expect trade to fall off in Lent; but the decline seems to be much greater this year than previous years. The continued cold weather may be one of the principal causes; other than this we cannot account for it, and it is safe to say February business will be a disappointment to many this year.

The regular monthly meeting of the Florists' Association was held February 14. In the absence of F. W. Vick, the president, also Vice-President E. P. Wilson, Charles H. Vick acted as temporary chairman. The principal business of the evening was the election of three trustees, and the following were elected to hold office for the coming year: Charles Suhr, F. R. Schlegel, J. O. Pridmore. The report of the banquet committee was left over till a future meeting, owing to the absence of the president.

Bowling

The enthusiasm in bowling still keeps apace; about 20 members assembled Thursday evening and much improvement was noticeable. Four alleys were in use and this met with the approbation of all present, as the games went much faster and the rivalry between the two sides was very keen. Roman Irwin of Philadelphia was a guest of the Bowling Club and did some remarkably good bowling, rolling near the 200 mark for two games. Special mention is made of the remarkable score of Chas. H. Vick, he rolling 259 in the second game. The following are the scores for the evening:

	1	2	3
W. Salmon	139	127	132
A. F. Vick	143	148	153
A. W. Darling	89	98	126
L. A. Tickner	105	89	126
H. B. Stringer	94	99	87
C. H. Vick	157	259	128
P. H. Crippan	80	114	82
Geo. B. Hart	117	125	109
H. Watson	105	67	78
Jno. Watson	92	53	90
Jno. Condie	70	109	81
John Suhr	114	113	127
P. Hess	104	77	93
Charles Briggs	102	72	115
Phillip Ham	127	173	139
E. P. Wilson	131	86	126

H. B. STRINGER.

Strong Rooted Carnation Cuttings from Clean, Healthy Stock that Wins Prizes Wherever Shown. These Cuttings are the Best that Money Can Buy.

	Per 100	Per 1000		Per 100	Per 1000
Sangamo	$12.00	$100.00	Winsor	$3.00	$25.00
Conquest	12.00	100.00	Splendor	3.00	25.00
Mary Tolman	12.00	100.00	Alvina	5.00	45 00
White Enchantress	3.00	25.00	Aristocrat	3.00	25.00
White Perfection	3.00	25.00	Afterglow	3.00	25.00
Enchantress	2.50	20.00	Lawson-Enchantress	3.00	25.00
May Day	6.00	50.00	O. P. Bassett	6.00	50.00
Daybreak Lawson	3.00	25.00	Victory	3.00	25.00
Rose Pink Enchantress	3.00	25.00	Beacon	3.00	25.00
Winona	3.00	25.00	Gov. Deneen	5.00	45.00
			Andrew Carnegie	3.00	25.00

Guaranteed to be satisfactory in every respect

Chicago Carnation Co., A. T. PYFER, Mgr. **JOLIET, ILL.**

SANGAMO

Brilliant glistening pink, brighter than Winsor or Winona

WINNER AT CHICAGO, ST. LOUIS AND MILWAUKEE FLOWER SHOWS

Perfectly formed flowers on long, stiff stems; calyx does not split. The most PROLIFIC Carnation grown to-day. Everybody pronounces it the best "bread-and butter" Carnation they have ever seen growing.

ROOTED CUTTINGS, ready Jan. 1st., $12.00 per 100, $100.00 per 1000.

CHICAGO CARNATION CO. JOLIET, ILL. **A. C. BROWN** SPRINGFIELD, ILL.

Please mention the Exchange when writing.

CONQUEST

Light pink overlaid with deep rose. The most valuable and fancy Carnation on the market.

Winner of First Prize Wherever Shown

Habit of Lawson; very free; stem long as Enchantress and stiff; the flowers are large and well formed, making a good impression wherever shown, and can be used to good advantage in many different ways.

Chicago Carnation Co.
A. T. Pyfer, Mgr., JOLIET, ILL.

MARY TOLMAN

Winner of First Prize at Milwaukee. Deep flesh pink, the most beautiful color of say in this class. Does not fade in the strongest light. An excellent, clean, upright grower, long, stiff stems and perfectly formed flowers. Will produce more perfect blooms in a season than Enchantress. We want your order for this excellent Carnation. Orders booked now for January, 1910, delivery.

$12.00 per 100, $100.00 per 1000

A. E. Hunt & Co. EVANSTON, ILL. **Chicago Carnation Co.** JOLIET, ILL. **Hunt Bros.** PARK RIDGE, ILL.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

CARNATIONS and CHRYSANTHEMUMS

ROOTED CUTTINGS

Send for price list.

WILLIAM SWAYNE, P. O. BOX 215, Kennett Square, Pa.

Rooted Carnation Cuttings

NEW CARNATIONS FOR 1910

	Per 100		Per 100
Dorothy Gordon, $75.00 per 1000	$10.00	Admiration	$12.00
Shasta	12.00	Alma Ward, $2.50 per dozen	15.00
Scarlet Glow	12.00	Mrs. C. W. Ward	12.00
Sangamo	12.00	Conquest	12.00

CARNATIONS OF 1909

	Per 100		Per 100
O. P. Bassett	$6.00	Ruby	$6.00
Pink Delight	6.00	Mrs. J. C. Vaughan	6.00
Mrs. Chas. Knopf	6.00	Georgia	6.00

STANDARD VARIETIES

WHITE VARIETIES	Per 100	PINK VARIETIES	Per 100
White Enchantress	$3.00	Winsor	$3.00
Lady Bountiful	3.00	Afterglow	3.00
White Perfection	3.00	Splendor	3.00
Queen Louise	2.00	Pink Imperial	2.50
The Queen	2.00	Rose Pink Enchantress	2.50
My Maryland	2.00	Mrs. Thos. Lawson	2.00
Sarah Hill	3.00	Nelson Fisher	2.00
Lloyd	3.00	Mabelle	1.50
		Variegated Enchantress	2.60
RED VARIETIES		**YELLOW VARIETIES**	
Robert Craig	3.00	Eldorado	2.00
John E. Haines	2.00	Golden Beauty	2.00
Beacon	3.50		
Flamingo	2.00	**VARIEGATED VARIETIES**	
Victory	3.00	Mrs. Patten	2.50
Roosevelt	2.00	Jessica	2.50
Harlowarden	2.00		
Cardinal	2.00		

GRAFTED AND OWN ROOT ROSES READY FOR EARLY DELIVERY. SEND FOR CIRCULAR

CHOICE VARIETIES OF VERBENAS

Rooted Cuttings, our selection; 75c. per 100; $6.00 per 1000.
Plants, 2¼-in. pots, our selection; $2.50 per 100; $20.00 per 1000.
Rooted Cuttings, purchaser's selection; $1.00 per 100; $8.00 per 1000.
Plants, 2¼-in. pots, purchaser's selection; $3.00 per 100; $26.00 per 1000.
Entirely sold out of Miss Willmott cuttings and plants.

J. L. DILLON, Wholesale and Retail FLORIST, **Bloomsburg, Pa.**

Please mention the Exchange when writing.

SHASTA

WE are now shipping fine, strong cuttings of **Shasta,** as fast as they are ready to come out of the cutting bench. Orders on our books will take all that will be ready up to February 15th. If you want late February delivery you should send in your order at once before the other fellow gets them.

Come and see it growing if you can. Once you see it you will want to grow it. $12.00 per 100, $100.00 per 1000.

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

Rooted Carnation Cuttings

WHITE	100	1000
Alma Ward	$15.00	$120.00
Shasta	12.00	100.00
Niagara	6.00	50.00
Georgia	6.00	50.00
Mrs. J. C. Vaughan	6.00	50.00
White Perfection	3.00	25.00
White Enchantress	3.00	25.00
Snow Flake	3.00	25.00
Lloyd	2.60	20.00
RED		
O. P. Bassett	6.00	50.00
Beacon	3.00	25.00
PLUM COLOR		
Gov. Dineen	6.00	50.00
CRIMSON		
Ruby	6.00	50.00
Wanoka	6.00	50.00

PINK	100	1000
Admiration	$12.00	$100.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Mary Tolman	12.00	100.00
Dorothy Gordon	10.00	75.00
May Day	6.00	50.00
Wineor	3.00	25.00
Afterglow	3.00	26.00
Winona	3.00	26.00
Enchantress	2.50	20.00
Rose Pk. Enchantrsss	2.50	20.00
VARIEGATED		
Conquest	12.00	100.00
Bay State	6.00	50.00
Apple Blossom	6.00	50.00
Mrs. M. A. Patten	2.50	20.00

Strong, clean cuttings—Ready for shipment now.

S. J. REUTER & SON, Inc., Westerly, R. I.

Please mention the Exchange when writing.

THE AMERICAN CARNATION By Peter Bisset

Price $3.00. Send for Sample Pages

A. T. De La Mare Ptg. and Pub. Co., Ltd., 2 to 8 Duane Street, NEW YORK

NEW CHRYSANTHEMUM
Mrs. Jane Cockburn
EARLY PINK
Ready for February and March delivery. Blooms first week in October.
Beautiful mauve pink. Good keeper and shipper.
$6.00 per 100, $50.00 per 1000. Five hundred at one thousand rate. FIRST COME, FIRST SERVED.
SAMUEL COCKBURN & SONS
233rd St. and Verio Ave., Woodlawn, - - NEW YORK CITY

Please mention the Exchange when writing.

6 CHRYSANTHEMUM NOVELTIES FOR 1910 6
THE BIG SIX
Mr. H. Stevens, Gladys Bleckburn, W. Mease, Hetty Wells, R. H. Fellon, Wells' Late Pink; besides several others.
Large stock of indoor Grape Vines 1 and 2 years old. Roses, Carnations etc. Send for list.
SCOTT BROS
Elmsford Nurseries
ELMSFORD, N. Y.
6 6

Please mention the Exchange when writing.

CHRYSANTHEMUMS Rooted Cuttings For Sale
$10.00 per 1000.
HALLIDAY, ENGUEHARD, BONNAFFON, IVORY, POLLY ROSE, PACIFIC, SHAW, ADELLA, ADELIA, OCTOBER SUNSHINE, MONROVIA, NONIN, POEHLMANN
Cash with order.
JACOB HOL, East Nutley, N. J.

Please mention the Exchange when writing.

White Sport of Helen Frick
CHRYSANTHEMUM
STOCK PLANTS, $2.00 & $3.00 perozd.
CARNATION ALVINA, $5.00 per 100, $45.00 per 1000.
DELIVERY AT ONCE!
HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

ALTERNANTHERA, Red
Extra strong rooted cuttings, 50c. per 100, $4.00 per 1000
The H. Weber & Sons Co
Oakland, Md.

Please mention the Exchange when writing.

Cinerarias
ALL SOLD
R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

FUCHSIAS
There are none better than Little Beauty, Lord Byron, Renan and White Beauty. Strong 2½-in. pots ready, $4.00 per 100. New Heliotrope, Miss Berenice, a sport of Mad. Bruant and a great improvement on the latter 2½-in. pots, $8.00 per 100. Catalog for the asking
SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order "saw your advt. in the EXCHANGE."

LIST OF 200 ROSES
Bumper crops for Spring delivery.
THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Please mention the Exchange when writing.

St. Paul, Minn.

The regular monthly meeting of the State Florists' Association was held Tuesday evening, February 15. Owing to the stormy night the attendance was curtailed somewhat, still there were 23 present, and an interesting meeting was held. Mr. Ruedlinger, of the entertainment committee, reported receipts from the sale of tickets to the annual dance $167, expenses $174.25, the deficit having been made up by the Minneapolis florists. The State Fair committee, through Mr. Nagel, reported progress. A communication relative to pot making was received from the superintendent of the Minneapolis Workhouse. Pres. Wirth, who had the matter in charge, was requested to ask for samples of pots. There were ten applications for membership from St. Paul read, and the applicants elected to membership. Minneapolis having pledged the largest guarantee fund it was decided to hold the first annual flower show under the auspices of the Association in that city next Fall. The guarantors, which body includes the prominent growers and retailers, are to have the management of the show, while a committee of growers and retailers selected by the Association are to arrange the premium list. Louis Boeglen of the Minneapolis Park Greenhouses exhibited some very fine Cinerarias, which scored as follows: Cineraria stellata, 80 points; Cineraria stellata hybrida multiflora, 85 points. J. P. Jorgenson, of the Donaldson Co., read a very comprehensive and instructive paper on Rose grafting, illustrated with specimens of the right and wrong way of doing it. This paper will appear in a future issue of the EXCHANGE.

The second annual dance under the auspices of the Florists' Association was held in the Ark Auditorium, Minneapolis, February 7. There were 250 in attendance, and a most enjoyable time was had by all present. The hall is conveniently located. The floor was fine for dancing, the music excellent, the decorations exquisite, the lunch fine, etc.

Trade since the holidays has been very good, and continues fine during Lent. Roses are the scarce article, red ones especially being in short supply. St. Valentine's Day created a great demand for Violets, but for once the growers were on hand with the goods, and the supply was equal to the occasion.

The growers are all getting ready for an early Easter, and all promise the usual supply of good things.

Those of us who are so unfortunate as to be incorporated for business find an additional tax imposed upon us by the Federal law, as well as a lot of extra work to comply with its strict requirements.

Fred W. May, who has been connected with L. L. May & Co. for many years has severed his connection with that house to engage in the nursery business at North Yakima, Washington.

O. J. Olson is in Chicago and Milwaukee on a flying trip in the interests of his firm.

Mr. Van Zonneveld of Sassenheim, Holland; W. Greisinger, of Ghent; A. Currie, Jr., of Milwaukee, and G. A. Clausen, of Albert Lea were recent callers. VERITAS.

New Seedling Rose
Radiance
A seedling from Cardinal, a brilliant rosy carmine with opaline tints in the open flower. The form is fine, large, with cupped petals, bud long, brilliant, radiant, with extra long stems, a constant bloomer, fragrant, foliage abundant and of splendid substance.
2½-inch pots, $18.00 per 100; ready for delivery in April and May
CASH OR SATISFACTORY REFERENCE
JOHN COOK, 318 North Charles St. BALTIMORE, MD.

Please mention the Exchange when writing.

WHITE KILLARNEY—MARYLAND
Select Grafted Plants from 2½-in pots, $12.00 per 100.
Ready for delivery March 15, 1910
O. P. BASSETT
Proven the best red in the market. Rooted Cuttings, $6.00 per 100, $50.00 per 1000. Immediate delivery.
BASSETT & WASHBURN
Greenhouses, HINSDALE, ILL. Office and Store, 76 Wabash Ave., CHICAGO, ILL.

Please mention the Exchange when writing.

CYCLAMEN
Splendens Giganteum Hybrids.
The strain which I offer is unsurpassable. A fine lot of plants in bud and bloom all colors from 4-in. pots, $15.00; from 5-in. pots, $20.00 per 100; (August Seedlings) twice transplanted from flats in 5 colors $3.00 per 100, $25.00 per 1000; from 2½-in. pots $5.00 per 100, $45.00 per 1000.
GERANIUMS
Standard Varieties, strong well-grown plants from 2½-in. pots, $2.50 per 100, $22.00 per 1000.
CANNAS
Alphonse Bouvier, Chicago, Papa Nardy, Duke of Marlborough, Florence Vaughan, J. D. Cabos, etc., fine tubers, $15.00 per 1000.
PAUL MADER, East Stroudsburg, Pa.

Please mention the Exchange when writing

VINCA VARIEGATA
Strong, thrifty, 3½ inch, $4.50 per 100, $40.00 per 1000.
GERANIUMS Mme. Salleroi, large 3-inch, full of cuttings, $3.50 per 100, $30.00 per 1000; 2-inch, strong, $2.00 per 100, other standard varieties, heavy branched, 3-inch, $3.50 per 100, $30.00 per 1000.
Cash.
WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

ROOTED CUTTINGS
PETUNIAS, Dreer's Superb, double fringed; the best selected large-flowering doubles, finely fringed, mixed colors, $1.00 per 100, $9.00 per 1000.
FUCHSIAS, finest double, dwarf habit, $1.00 per 100, $8.00 per 1000.
HELIOTROPE, dark, good stock, 75c. per 100, $5.00 per 1000.
PETUNIA, The Queen, fine double fringed, white mingled with purple, $1.00 per 100, $9.00 per 1000.
SALVIA, Bonfire, 80c. per 100, $7.00 per 1000.
AGERATUM Stella Gurney, 50c. per 100, $4.00 per 1000.
CASH WITH ORDER.
J. P. CANNATA, Mt. Freedom, N. J.

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS
From 2¼-inch pots, $2.50 per 100, $22.50 per 1000.
Cash with order please
FLORAL HILL GARDENS
G. F. NEIPP, Prop.
CHATHAM, N. J.

Please mention the Exchange when writing.

THE EXCHANGE—Best Advertising Medium

Chrysanthemum Novelties

FOR 1910

As the Wells-Pocket American agent I have all the 1910 Varieties to offer, including **Alice Lemon, Mrs. Syme, Onunda, Rose Ellis, etc.**

Two splendid **commercial** novelties that I can quote in quantity are **YELLOW IVORY** and **OCTOBER FROST.** Also a full line of the standardlarge flowering kinds, **Pompons** and **Singles.**

I am offering for immediate delivery **New Crop Seed** of the **Special Wells' Early Single Chrysanthemums.** Trade Packets, 25c and $1.00 per packet.

CARNATIONS: I have also a fine lot of rooted Carnation Cuttings and plants in 2½-inch pots, of all the well known varieties, including **Alma Ward** and **Mrs. C. W. Ward** and others of the best commercial varieties.

WRITE FOR CATALOG

CHAS. H. TOTTY, Madison, N. J.

Please mention the Exchange when writing.

Forcing Strawberries

(53) **Forcing Strawberries.**—Will you please let me know through your valuable columns the best way to force Strawberries, the best varieties to force, temperature, and any other information of value? I have uptodate houses here. Last August I layered about 300 runners in 3-in. pots; when they were well rooted I lifted them and placed them in frames until November, then I potted them up in 6″ and 6″ pots, giving a little bone meal, about one teaspoonful to each pot. I placed them on a center bench, in a temperature of 50° at night. When they began to move I ran them 5° hotter, and about the beginning of January they began to flower. I then ran the house at 60° at night; and at this time I rubbed some dried poultry manure through a fine seive and gave each pot one teaspoonful. When the berries got about twice as big as peas they began to die away, though the plant looked fine. I looked after the watering myself and kept them from getting dry or too wet. The day temperature I kept at 75° on bright days and 65° on dull days. I don't know the varieties that I have been trying to force, as they were all planted when I came here and nobody knew what varieties they were. I have a good heavy soil here and get uptodate Roses and Carnations.—X. Y. Z., Penna.

—I would advise you to start your plants earlier another season. It would be impossible to secure results on the lines followed. To start forcing any plants it is necessary that the pots should be filled with roots. However, the evil cannot be remedied now for this season, therefore I would advise the following plan for next season. Secure good, healthy runners in July; root them into 2″ pots, and when rooted they may be taken somewhere near the greenhouse. Should there be cold frames at command they would make ideal quarters for the young plants for a few days. The object in setting them in frames is that at times they are benefited by keeping them a bit close for a day or so; also, they may be protected against heavy storms—but the frames should not be deep. When the young plants are ready for a shift repot into 4″ pots; then, in the course of two or three weeks, if everything has gone well, they will be ready for another and final shift into 6″ pots, after which they may be set outside in some sheltered spot where the plants will receive the full benefit of the sun from morning until night; having in mind to secure good strong crowns, and thoroughly developed. Following up this method, by the time they have completed their growth in the Fall the pots will be full of roots, and before much frost occurs the pots may be plunged in soil to the rim of pot. Should there be cold frames available they may be plunged in cold frames, leaving off the sash until the plants have received several degrees of frost. Of course, when severe frost sets in they would have to be protected. Strawberries will force much freer when the plants have been frozen somewhat. I would not recommend bringing the first batch into heat much before the first of January, as when this is attempted too early ofttimes they are a partial failure. They may be started in a temperature of 45° at night, 55° day, or 60° with sun heat. In a week or so raise to 50° at night, 60° to 65° day; this should carry them until they are set, when they may receive a temperature of 60° at night, or more if necessary, although a temperature of 60° is all right. This allows anyone to give air on bright days which will certainly improve the flavor of the berries. Strawberries will do much better with a fair circulation of air when ripening up their fruit. Also, better results will be obtained if the fruit is grown near the glass, on hanging shelves; in such a position they will receive more air than when growing on the bench. Strawberries are not particular as to soil, still a fairly heavy soil is to be recommended. Soil that is adapted for growing Roses or Carnations is all right for Strawberries, mixed, say one part thoroughly decayed manure to three parts soil, with a sprinkling of bone meal for the final potting. The berries, after the crop is set, will take a fair amount of feeding. Ichthemic Guano, Clay's Fertilizer, or even nitrate of soda will help to increase the size of the berries, but those manures mentioned are high grade and must be used cautiously. Good drainage is absolutely necessary, so when the plants are set into the 6″ pots a fair amount of drainage should be supplied, with a light sprinkling of soot in the bottom of each pot—it's a preventive against worms getting in the pots. Of the varieties for forcing purposes, Marshall is one of the best, if good strong plants can be grown. Unfortunately in some soils this variety absolutely refuses to grow, but where it can be grown it is undoubtedly one of the best, bearing large handsome fruit. Wm. Belt is also satisfactory. Nick Ohmer will probably produce the largest berries. Sharpless has been forced for many years, and still can be recommended. W. T.

Chrysanthemums and Asters

Are our specialty, we grow nothing else

Chrysanthemums the best for Florists' use, either large or small flowering.

Asters we grow the best kinds for the Florists; if painstaking counts our seed is of superior quality, a trial order will convince.

If you have not seen our Catalogue it is worth the asking. Mailed Free.

Elmer D. Smith & Co.

Adrian, Mich.

Please mention the Exchange when writing.

DON'T GET LEFT

Geraniums! Geraniums!

Nutt, Doyle, Buchner, La Favorite, Grant, Bruanti and others, also Rose Geraniums, $18.00 per 1000; 500 at 1000 rates.

Ageratum, Stella Gurney, Pauline and others, R. C., 60c.; 2¼-in. pots, $1.00 per 100. Heliotrope, all dark, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Feverfew, Little Gem, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Achyranthes Lindeni, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Pilea, Artillery Plant, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Ivy, German, 2¼-in. pots, $1.50 per 100.

Cash with order.

J. E. FELTHOUSEN

154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings

All booked until middle of March

FRED W. RITCHY, Lancaster, Pa.

Please mention the Exchange when writing.

FOR SALE

Fine plants, 2¼-in. pots. HELIOTROPE, dk.; AGERATUM, com. blue; GERMAN IVY; MARGUERITE, Alexandra and Yellow; DOUBLE PETUNIA, mixed vars., $2.00 a hundred. Rooted cuttings of same, and CUPHEA, ALYSSUM, GNAPHALIUM, GOLDEN THYME, 60c. a hundred, free by mail.

Stock clean and well packed.

Cash with order.

A. B. GRAVES,

421 BRIDGE ST., NORTHAMPTON, MASS.

Please mention the Exchange when writing.

Shamrocks

We have 25,000 True Irish Shamrocks for your Saint Patrick's Day trade.

The plants are in 1-in. toy pots, at $4.00 per 100, $25.00 per 1000. 1¾-in. pots (the popular size), same price as above. 4-in. pans, at $12.50 per 100.

Cash with order.

Get in line now for some extra money on March 17.

LEONARD COUSINS, Jr.

Concord Junction, Mass. Telephone Connection

Please mention the Exchange when writing.

AMPELOPSIS VEITCHII

Fine, well rooted, one year plants, 18 to 24 inches; 50, by mail, $2.00; 100, by express, $3.00; 1000, $25.00. Plants in cellar.

ASPARAGUS ROOTS for Spring, extra strong, 2 year plants, $1.00 per 100; $4.00 per 1000. 3 years, $1.25 per 100; $5.00 per 1000. They will please.

CHARLES BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00.

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

THE BEST WAY

to collect an account is to place it with the

National Florists' Board of Trade

56 Pine St., NEW YORK

WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the Exchange.

Baltimore

A visit to Halliday Bros. is a treat just now. Thousands of Lilies in all stages are to be seen, and the plants are of such uniform growth and so healthy that one might doubt that failures are often the fault of the bulbs. They are the finest Lilies I ever saw. In Carnations, the Enchantress and its various sports are grown. Rose pink Enchantress was in full crop and showing a large percentage of splits, but strange to say Enchantress and its white sport had but a small percentage.

H. J. Quick and John Cook had taken their better halves to the market to sell the goods they grow. What a blessing equal suffrage is! Mr. Quick is busy filling the order for a large number of Geranium plants for the seed firm of Bolgiano & Son. Mr. Cook is going to have a "flitten" to his new place this Spring.

Isaac Moss's place at Govanstown is in apple pie order, as always. The Carnations are good, but the Roses are the best quality possible. Mr. Moss does an extensive nursery business. If Mr. Moss can sell all his stock there will be another millionaire in Baltimore. F. C. Bauer, his neighbor, has a neat little place. His new Xmas begonia is fine while his Lily seedlings this year look to me below par.

M. Thau has a new crimson Carnation seedling called Lord Baltimore which he would like to sell. Who wants it?

J. J. Perry is not only a most capable manager of a wholesale establishment, but is an ideal president of a florists' club. HENRY EICHHOLZ.

Mathias Thau of Govanstown, Md., has three promising new seedling Carnations. One he has called Lord Baltimore; this particular new seedling has been well tried for the past four years and has proved to be a good bread and butter Carnation. It is of dark crimson color, and the flowers average 2½ to 3 in., the stems 30 in. It is a clean and healthy grower, with solid calyx which does not split. The other Carnation is a pink seedling Lawson × Enchantress, bearing flowers 3 and 4 in., and grown the first year. The third is a white seedling, grown the second year, with stems 24 in. long; it is a free bloomer and does not split.

A most appropriate window display for St. Valentine's Day was seen at Seidewitz's, 323 N. Charles st. The window, a single plate 16x9½ ft., made a wonderful show of itself. A garden bench, backed by Palms and large specimen Ferns, and the ground work an imitation of a lawn, the borders of which were planted to Primroses, Azaleas, Daisies, intermingled with Cyclamens and Ferns, gave a fine effect to the setting. The bench was in a conspicuous spot, and upon it a box of candy and flowers were placed, besides a copy of The Smart Set magazine. Along the side, resting against the bench, was a white parasol and a bag of golf clubs, while a bull dog of a rather impressive color watched over the same. Upon the back of the bench Cupid was sitting in contemplation. A large heart of pink and white Carnations, suspended from the ceiling, was drawn by seven white doves harnessed to the heart by narrow white ribbon. E. W. Pierce, the manager of this establishment, was the decorator.

John A. Ritter, florist, 1918 North Charles st., parted with 50c. recently, through a hard luck tale. A stranger dressed in the garb of a countryman appeared in his place and told him of the death of his wife. The bereaved one mentioned that he had left home without taking any money with him, and asked for the loan of 50c. Mr. Ritter was also told that the stranger's daughter would come later in day to get $10 worth of flowers which he ordered. To make sure of this fact, he wrote a note to his daughter to be given to her when she arrived. Having gotten the money, the stranger departed. Mr. Ritter is still looking for the daughter.

The Flower Garden, Geo. F. Lurssen proprietor, 834 W. Baltimore st., is an old establishment which was started in 1881 by Thomas Vincent and conducted by him up to several years ago, doing a successful business. The establishment consists of an ideal store, well located, very large and nicely fitted out in an uptodate manner, showing the stock to good advantage. In the rear is a large conservatory containing many decorative plants of all descriptions. At the time Mr. Lurssen took hold of the business he knew very little, but by his hard and successful efforts he has made a business well worthy of mention.

The Ladies' Bowling Team met at the Garage last Wednesday, February 16, and made some good scores, as follows:

Mrs. Boone	131	75	121
Mrs. Bauer	134	94	123
Mrs. Seybold	109	78	69
Mrs. Perry	64	106	71
Mrs. Kline	101	82	87

Mrs. Bauer scored 141 in one individual game.

The ladies meet every Wednesday evening at the Garage, the team being composed of florists' wives. They have addressed the following open letter to their spouses:

To be Read with Expression

To the Gentlemen of The Gardeners and Florists' Club:

The lady bowlers ask you to start in the New Year with good generous heart, and give your wives, daughters and sisters, one evening a week off. In fact, to show your wife how much you really do love her, insist on her taking this evening, put a little change in her pocket-book, and send her down to the Garage to join us in our games. Now let us give a pointer, with which we know our husbands will agree, after you once let us "get the habit." Using our mighty arms swinging a ten-pin ball is better than using them to swing a frying pan or rolling pin on your precious craniums, don't you think? How much better you will feel, too.

Now you "men of the soil, sit up and take notice." At the cost of only a few high-balls or mint-juleps you can save yourselves many a knock and enjoy a quiet evening at home, or at the Gent's theatre. Or, still better, acompany us. We can assure you that we'll certainly enjoy ourselves, and develop our muscles, and we can all become better acquainted with one another. Why shouldn't the wives of the trade know one another as well as the men? Send us down every Wednesday evening to the Garage at 8 p.m., and let us have a big jolly crowd—the more the merrier.

Your very truly,
Some of the Lady Bowlers.

The Market

Trade has kept up fairly well, considering it is Lent, as it always drops off to a certain extent at this season, but little complaint is heard. The market florists are again on the streets with their stalls filled with a large quantity of cut flowers. Washington's Birthday helped to move many cut flowers and a few decorations. Roses are a little steadier. Carnations are still plentiful and selling well; some are going to waste, however. Bulbous stock is getting steadier. Sweet Peas and Violets still come in heavily. Easter Lilies are about in the same condition. Greens of all kinds are in plenty to meet the demands.

Worcester, Mass.

Fred. E. Keyes has a combined store and greenhouses at 101 Highland st., erected some forty years ago by his father. Business is very good, especially in funeral work, and on Saturday last he supplied a large number of Daffodils in pots for the Daffodil sale of the "Levana Club." He has about 12,500 ft. of glass in general lines for retail trade. Mr. Keyes has been running the range about four years and since the death of his father.

A. A. Hixon & Son have some 5000 sq. ft. devoted to Geraniums, Violets and mixed stock. They erected one house last Summer in which they grow Violets. Mr. A. A. Hixon is secretary of the Worcester Co. Hort. Society and can always be found on duty at their building, 18 Front st. Business is coming along nicely and plans are made for more glass in a short time.

Albert H. Lange has leased a large commodious store nearer the center of the city, for the business of the estate of the late H. F. A. Lange. Possession cannot be obtained before December. The new store will be several times larger than the old one. One advantage will be two large show windows and we hope to see some very handsome floral window displays such as we read about in The Florists' Exchange. The rent of the new store is said to be about $3700 a year, and this is considered reasonable for the locality.

There has been a continuation of heavy funeral work during the past week. There is not as much work among the French people as the priests here will not allow the flowers to be brought in the church.

Valentine's Day brought its usual run of business. None of the florists made any special display, but all had a fair amount of business. CAROLUS.

GERANIUMS

S. A. NUTT, from 2¼-in., $2.00 per 100, $18.00 per 1000.

MME. SALLEROI, 2¼-in., $2.00 per 100, $18.00 per 1000.

PERKINS, from 2¼-in. $2.00 per 100.

ASPARAGUS Sprengeri, from 2¼-in., $2.00 per 100.

Cash with order.

C. A. PETERSON, Madison, N. J.

Please mention the Exchange when writing.

300 for $5.00

Ivy Geraniums, Rose and Mixed Geraniums, Asparagus Sprengeri, Cinerarias and Alyssum, out of 2½-in. pots, in sorts, $2.00 per 100; 300 for $5.00.

Pansies, Daisies and Forget-Me-Not; fine plants, $2.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Please mention the Exchange when writing.

GERANIUMS

Ricard, Nutt, Buchner, strong, cool grown plants, from 2-in. pots, $2.00 per 100, $20.00 per 1000.

Ricard from 2½-in., $2.50 per 100. Mixed $18.00 per 1000.

QUAKER HILL NURSERIES, Oxford Depot, N. Y

Please mention the Exchange when writing.

GERANIUMS

2-INCH POTS.

Nutt, Buchner, Mme. Salleroi and others, $18.00 per 1000; Rose, $3.00 per 100.

Rooted Cuttings of

Fuchsias, Salvias, Heliotrope (dark), Double White Feverfew, Double Giant Sweet Alyssum, Vinca Variegated, $1.00 per 100.

Ageratum Gurney, 60c. per 100.

Fuchsias, Vinca Var., 2-in. pots, $2.00 per 100. Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

GERANIUMS

	1000	100
S. A. Nutt and 8 other varieties 2½-in. pots	$20.00	$2.50
ALTERNANTHERAS, yellow, rooted cuttings		.50
VINCAS, Var. 2-in. pots		2.00
ASPARAGUS Sprengeri seedlings	7.00	1.00
PANSY PLANTS	2.50	

—Cash.—

Jos. H. Cunningham, Delaware, O.

Please mention the Exchange when writing.

Geraniums and Pelargoniums

Ready March 1st

Victor, Pelergonium, 3-in. pots $4.00 per 100. S. A. Nutt, Geranium, 2½ in. pots $2.00 per 100.

CASH WITH ORDER

WM. J. CHINNICK, TRENTON, N. J.

Please mention the Exchange when writing.

GERANIUMS Low, stocky, from soil, S. A. Nutt, Double White and Grant, $12.00 per 1000; Ricard, Perkins, Poitevine, Hill, $15.00 per 1000. Very extra strong, $2.00 and $2.25 per 100.

COLEUS Ver. and G. Bedder, $8.00 per 1000. Fancy, brightest, $5.00 per 1000. Giant Leaved, most showy of all, 80c. per 100.

ASTER Wonder, large fluffy, earliest of all, White and Pink, $1.00 per ½ oz. Ostrich Feather, 50c. per ½ oz. Late Branching, mostly white and pink, 40c. per oz. Alternanthera, from soil, fall struck, Yellow 60c. Red 80c. per 100. Cash.

DANIEL K. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings

RICARD	per 1000,	$12.00
POITEVINE	per 1000,	12.00
VIAUD	per 1000,	12.00
JAULIN	per 1000,	12.00
CASTELLANE	per 1000,	12.00
S. A. NUTT	per 1000,	10.00

Cash with order.

PETER BROWN, 124 RUBY STREET, LANCASTER, PA.

Please mention the Exchange when writing.

POT MAKERS FOR 140 YEARS

For "POT LUCK" Try Us

HEWS STANDARD POTS

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO. Inc.

Pearson Street, LONG ISLAND CITY, N. Y.

Established 1765. CAMBRIDGE, MASS.

452-460 No. Branch St., CHICAGO, ILL.

WORLD'S LARGEST MANUFACTURERS

Please mention the Exchange when writing.

Cincinnati

Lent is certainly cutting quite a figure this season in business. Violets are at a standstill. Sales of Am. Beauty Roses one has to force. The only stock that is cleaning up daily is Ten Roses, and if there was anything like a heavy cut coming in the market would be glutted with them. Funeral work is about all that is keeping business moving. A year or so ago we thought that Lent did not cut any figure with the business, but we have changed our minds. The heavy snow storms that we have had in this vicinity has also had quite a depressing effect on business of all kinds.

Jos. R. Goldman of Middletown, O., reports that one end of his greenhouse went in from the weight of snow; and I understand Benthey's greenhouses at New Castle, Ind., had quite a loss from the same trouble. Wm. Speck of Newport, Ky., also had some damage from the same cause, and I presume that a great many others have been getting it the same way, for with the snow fall from 10 to 12 inches coming rapidly, and at night, it was simply impossible to guard against it. There is nothing of any special importance to report this week, only that the automobile show is on, which may use up a little stock. E. G. GILLETT.

Cattle Manure in Bags

Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company

Union Stock Yards Chicago

Please mention the Exchange when writing.

Kalamazoo, Mich.

St. Valentine's Day brought a goodly amount of trade, and this day seems to be on the way to becoming one of the important ones between Christmas and Easter, though, of course, no increased values are made on stock. Violets, red Carnations, Forget-me-nots and Sweet Peas are mostly called for, as well as a considerable number of small plants in flower.

Transient business and funeral work still make good calls on the retailer, so that, as yet, the beginning of Lent has not affected trade. The weather, though continuing cold, has not been stormy this month, which has helped stock along in the greenhouses, and with Easter now only a few weeks away the condition of the Lilies is a topic of interest. Van Bochove expects to have a large block just about right as well as plenty of pot plants for that time. W. Thomas is another who expects to be in good supply also. Fred Marker and James Fraser will have good cuts of Carnations and Lilies as well. The rest of us will probably be cutting Roses, and Carnations also, in good quantities by that time, so it looks to me just now we shall be able to care for all the business, wholesale and retail that comes our way. With bright and cheerful weather a big business is to be expected.

Those florists who expect to build this season will pay quite an increased price for their glass, as late quotations show a jump of 80c. per box over that of last year, probably the result of the tariff's revision downward. S. B.

Catalogs Received

JOHN D. IMLAY, Zanesville, O.—A Catalog of Seeds and Plants under the title "A Few Choice Seeds and Plants, 1910." The publication contains 32 pages descriptive of Vegetable and Flower Seeds, Roots, Bedding Plants, Shrubs, Vines, Roses, and Perennials. Illustrated.

SCHLEGEL & FOTTLER CO., Boston, Mass.—Catalog, for 1910, of Vegetable and Flower Seeds, Farm and Miscellaneous Seeds, Grass Seeds, Summer Flowering Bulbs, Tuberous Roots, Aquatics, Foliage and Flowering Plants, Hardy Perennials, Climbing Plants and Vines, Roses, Shrubs and Trees, etc. This is a 108 page publication, gotten up in good style and well illustrated. The covers are ornamented with half tone designs, on the front page Sweet Peas, on the rear page a Bean specialty. The flower seed novelties and specialties for 1910 include a line of new Asters; the latest novelties in Sweet Peas; the new Gerbera Hybrid; Dimorphotheca aurantiaca; Delphiniums; Myosotis Ruth Fischer; Salvia splendens pyramidalis; a new myrtle-leaved Smilax; Well's new Penstemon, which throws flower spikes 18 ins. long, individual flowers 2 ins. across; and Boston Giant, a new Sweet William bearing individual flowers the size of a half dollar. The vegetable specialties are numerous and include several of the company's own introduction. Supplementary to the catalog is issued a 48 page Wholesale Price List, in pocket form.

THE MORRIS NURSERY CO., 1 Madison Ave., New York City, with Nurseries at West Chester, Pa.—Descriptive Catalog of Choice Hardy Trees, Vines, Shrubs, Evergreens, Roses, Perennials, Fruits, etc. This is a 72 page publication, printed on good paper stock, and profusely illustrated. The covers carry some fine half tone illustrations of lawn and border planting. The business of the Morris Nursery Co., as noted in the introductory remarks, was established in 1849 by Paschall Morris, from whom it receives its name. Mr. Morris was succeeded by J. L. Darlington & Co., who conducted it until 1866, when it was purchased by Otto & Achelis and continued until 1875, when George Achelis assumed sole ownership. In 1906 a corporation was formed and the business carried on under the present corporate name, with the following officers: George Achelis, president and treasurer; Peter A. Keene, vice-president; M. G. Lear, secretary. Mr. Keene has been engaged in the nursery business for over thirty years and has charge of the New York office. The nurseries at West Chester, Pa., are admirably suited, both in climate and soil, for the production of nursery stock. West Chester is 117 miles west of New York City, and 27 miles west of Philadelphia, and is reached by two branches of the Penna. Railroad and by trolley from Philadelphia. The line of stock catalogued is unusually extensive and embraces about everything ordinarily called for, as well as many rareties.

All the Clay

for our

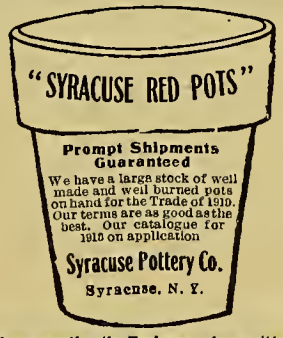
Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.

ZANESVILLE, OHIO

Please mention the Exchange when writing.



Please mention the Exchange when writing.

Red Standard Pots

We have these in stock from 1 inch to 18 inches. What are your needs for the coming Spring? Let us know them and give us an opportunity to quote you. Our goods are equal to the best; to prove it send us a trial order; small as it may be, it will be appreciated. Try us.

THE KELLER POTTERY CO.

213-223 Pearl St., NORRISTOWN, PA.

Please mention the Exchange when writing.

"THE EVERGREEN BRAND FLOWER FERTILIZER"

is pure plant food, immediately available. It permanently enriches the soil. It prevents the onslaughts of plant disease, or insects and pests. Can be used at any time during the growing season, dry or in solution.

Put up in 12 pound cans. Price $2.00

For sale by leading jobbers. For further information, address

D. D. JOHNSON COMPANY, 66 Wabash Avenue CHICAGO, ILL.

Please mention the Exchange when writing.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

	Price per crate.		Price per crate.
1500 2 in. pots in crate, $4.38		120 7 in. pots in crate, $4.20	
1500 2¼	" " 5.25	60 8	" " 3.00
1500 2½	" " 6.00	HAND MADE	
1000 3	" " 5.00	48 8 in. pots in crate, $3.60	
800 3½	" " 3.80	48 10	" " 4.80
500 4	" " 4.50	24 11	" " 3.60
456 4½	" " 5.24	24 12	" " 4.80
320 5	" " 4.51	12 14	" " 4.20
219 5½	" " 3.78	8 18	" " 4.50
144 6	" " 3.18		

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.

August Rolker & Sons, Agts., 51 Barclay St., N.Y. City

Please mention the Exchange when writing.

Tobacco Paper is the STRONGEST, BEST PACKED, EASIEST APPLIED

24 sheets . . . $0.75
144 sheets . . . 3.50
288 sheets . . . 6.50
1728 sheets . . . 35.10

"NICO-FUME" LIQUID

Furnishes the Most Nicotine for the Money!

Mfgd. by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Over 40% Nicotine By far the CHEAPEST.

Just Note Prices!

Pint $1.50
½ Gallon . . . 5.50
Gallon 10.50
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FERNS. Whitmani, 4-in., 25c. each. Boston, 4-in., 35c. each; 5-in., 25c. each.
CYCAS PALMS, 4 to 6 leaves, $1.00, $1.50 and $2.00.
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The Week's Work

BY FRITZ BAHR

Easter Preparations

Proper Care of the Bulb Stock

The bulb stock plays an important part among the Easter plants, with most of us. Hyacinths, Tulips, and Daffodils, in dishes and pans, are usually in great demand, not alone when something inexpensive is wanted, for 12 inch pans of good stock can be disposed of frequently at good prices. Of course, all depends on how well grown the stock is. For the retailer in the city, who has no cool place at command, bulb stock quite often is unprofitable if we have bright and warm days around Easter; but for the retail grower, it pays to create facilities so that he can handle his stock properly, and without it he runs big chances, such as he has no right to do. A deep coldframe is ideal for holding back or finishing bulb stock. By proper protection stock can be kept almost at a standstill for over a week, and be removed, if necessary to warmer quarters at any time. Whenever Easter comes at an early date it is always best not to figure too close in regard to bringing the bulbs into bloom. When wanted for cut flowers a little forcing wont hurt as much as is the case when the plants are to be used for the filling of pots and dishes—a short stocky growth is wanted for this latter purpose, so as to produce a stem which will hold the flowers erect without other support. To have stakes in a dish of Daffodils to hold them up doesn't add in the least to the appearance of the dish; and there is no reason why well grown stock should have them. The grower should not overlook the fact that different treatment is required for the stock intended for cut flowers from that intended for pots.

Narcissus and Hyacinths

For Perfect Flowers Let Them Come Along Slowly

One can bring Narcissus, both double and single, into bloom in less than three weeks at this time of the year. Two weeks even will be sufficient when enough heat can be had—it all depends upon that. While this is one way of forcing, it will never do for stock which is intended for the filling of dishes, the slower you bring such stock along the better, the stiffer the stems and the finer the flowers. Miniature Hyacinths do not differ in this respect. To have them in the proper shape Easter week, and presuming the bulb flats are out-of-doors, bring them in by the end of the month—the 26th will not be too soon—and give them a Violet house temperature, or a night temperature of not over 45°. If frozen keep them below the benches for two or three days. Remove all soil which clings between the plants above the edge of the flats, for if left there it will only help to make a weak stem. A light, sunny bench is the proper place. Keep, by proper ventilation, the temperature down as much as possible during the daytime—the less shade the better. It may seem at times that the stems would be too short, this, however, never happens if healthy well rooted stock is at hand; even if short when the flowers begin to open, before they are fully developed the stems will be long enough, and there is far more danger in getting them too long. Should there be an unusual lot of dark, cold weather, it may be necessary to bring them into a higher temperature for a few days; on the other hand, if by March 10 the stock seems a little too far advanced, the cold frame is the proper place.

The Double and Single Tulips

Allow Plenty of Time for the Easter Stock.

While we wouldn't think of placing the Narcissus or Hyacinths intended for Easter in pots in too dark quarters for a few days after they have been brought in from the outside, we do so with the Tulips, both the single and the double varieties—just a few days, long enough to get about 5 inches of growth. Only last year we had to pay for not doing it. A number of boxes were brought to the top of a bench to bloom for Easter. They were Murillos, and some Crown of Gold. They bloomed all right, but on stems too short for any use, while those which were kept in a dark place for six days had 7 inch stems, just the right height for dishes. The single Tulips do not differ in this respect. To leave them too long in a dark place would render them useless for anything but cut flowers, so care should be taken to avoid this. The double Tulips require at least one week more time to get into bloom than the singles; nothing improves them more than a few days in a cold house

after their flowers are open; this will finish them, as far as coloring is concerned as well as size of flower. For dishes, the double varieties of Tulips head the list of all the bulb stock we have in bloom for Easter, but allow plenty of time for them to develope slowly, for only in that way can you expect the best results. Any of them can be brought in by the 26th of this month; it takes every day to get them in, and have them at their very best by March 27.

Lily of the Valley

Pot Plants Most Suitable for Easter

Easter is the great day to dispose of pots of Lily of the Valley—if they ever sell it is then—and while we have Valley with us all the year round now, it is still considered by many as the ideal Spring flower, and at no time of the year have we more success in bringing it into bloom, as far as perfect foliage and flowers are concerned. It is getting so near their natural flowering time now that, giving the plants sufficient time to develope slowly is of greater importance than a high temperature by bottom heat. It is over 20 years since the "Great Scott" told me the best Valley he ever forced for Easter were from a lot he potted up into 6's and placed on top of boards on the hot water return pipes, allowing almost one month from the time the pips went into the pots until all the flowers were open. For the grower who hasn't proper facilities for forcing Valley otherwise, the above method is still good today. By paying attention to the proper watering excellent results can be had that way. Get pips from the nearest firm, and allow 25 days; there isn't a simpler way to get them into bloom. Don't bunch the pips all in the center of the pot—by the way, 6 and 7 inch Azalea or half pots will do, and are even better than pots—have the pips evenly distributed, especially along the edges. Many pots of Valley can be sold during Easter week, and what are not sold can be made use of for cut flowers. Get busy!

The Lilies

A Few Timely Suggestions

Four more weeks to Easter, that is, if you count up to the day. The Lilies really should be ready one week earlier, and with many of us those six days mean a great deal, especially if we retail our own stock. Flowers which opened in a 90° house are not fit to be sent out, they should have at least three to four days in a Carnation house to finish them. It is hardly any use to dwell on how far the buds ought to be advanced by this time; even the beginner must realize that if they don't begin to turn their noses downward pretty soon the plants might as well be removed to a cooler house and let come into bloom when ready. If there is a chance, by applying heat, to get the flowers in on time, it is certainly worth trying, for Easter is the day to sell the Lilies; but many good plants are yearly sacrificed through overforcing. If a high temperature is needed, look out for green fly, and attend to the watering properly. Plants neglected in that respect are liable to produce blind buds, or deformed ones. Overdoses of moisture, which will cause the roots to decay, have the same effect. Don't apply water of a temperature near the freezing point; some say it doesn't make any difference, but that is not reasonable. Are the plants staked up properly? The retail grower often needs long stemmed Lilies for church decorations and the taller the plants are for that purpose the better, but such need support to hold them up.

Pansies for Easter

Prepare a Stock for Made-up Dishes

While writing about Easter plants it is only proper that I should call attention to the Pansies. There are but few of our customers who don't admire them. Made-up dishes of them for Easter sell as well as anything we could offer for that day, and far more could be disposed of, yet we see but few displayed. If you have Pansies in the cold frames for Spring sales, lift a few; the plants planted on a bench in a Carnation house temperature will start to bloom in a couple of weeks and can be put in dishes a few days before Easter. Should the soil be frozen in the frames it should not prevent the lifting; let them thaw out inside under some bench. I prefer these plants for Easter for the reason that they are short and stocky. If of any size at all they will make but little growth for the next few days, but rather bloom; eight to ten such plants used in filling a 7" or 8" dish will sell at a dollar at Easter; that is just a little more than we get for them around May. The plants which have been indoors all Winter will also make good material, that is, if they have been grown cool. Long straggly plants are of no use, but if only such are to be had a pinching back at once will still make them suitable material. Of course, the proper way is to prepare a good stock of plants for that purpose, and have them in a frame where one can get at them at any time; this will also give a chance to have certain colors by themselves, which is also an advantage.

A Great Easter Plant

The Care of Primula Obconica From Now On

From now until Easter the Primula obconica plants are at their best. Whether large or small, every plant is loaded with flowers, and while a few of them are disposed of right along Easter is the day to move them in quantities. The larger plants will do for specimens and the smaller form the very best material for made-up dishes. The retail grower, only too often, has to call on the obconicas during the Winter months for flowers. What better material could he possibly get to take the place of white Carnations when short on them for design work? While this is very well during January and February, from now on the plants intended for Easter should be let alone, except as regards removing the old flowers. The right way is to select a certain number of plants, such as will bloom yet for some time and set them aside; by so doing it won't hurt to remove the old flower stems and bad foliage. If you have material of some sort to plunge the pots into up to their rims, so much the better. The plants like a hot sunny position, but their roots need to be cool and moist. Dry pots mean loss of flowers—look out for that. If the plants are pot bound, a light dose of liquid cow manure will do them good. We find a great variety of colors among the ones in bloom, but for made-up dishes the safest way is to be particular to get flowers of one color for each dish. Pansies, no matter how you mix the colors, in a made-up dish always look well—they harmonize; but not so with the obconicas, and if you get a few of the purple shades of pink throw them away rather than spoil a half dozen dishes.

The Cannas

Getting Ready to Start the Dormant Stock

Most of the time in the last week was taken up by us in getting the first batch of Cannas started. Among others, we bought last May 1000 King Humbert. They were shipped from Philadelphia, 5 in a bundle. The plants had been grown in sand, from small eyes. They had all of them good roots, about 6 inches long, and were packed in Sphagnum moss. We planted them right out into the field, in a sandy well manured loam. The only watering they received from the hose was right after they were planted. We felt very much like entering a strong kick, as we had expected plants from pots; but as the stock looked so exceptionally fine we didn't complain. These plants were not allowed to flower during the Summer months; as soon as a flower stem appeared it was pulled out. The plants were lifted October 26, and stored under a Carnation bench. The roots at one end of the house, where some return hot water pipes are located, began to show activity. That meant either the removing and potting up of the started eyes, or losing a number of plants. So we overhauled them all, and every started growth was carefully removed. Any showing leaves all ready developed were potted into 3" pots, the others into flats, keeping the different sizes by themselves. They were placed on the return pipes for a few days, until root action was well established, when the top of the bench in a 55° house was the place for them. Now, plants which are potted up will perish in a house of less than 60°. What they ought to have is a little bottom heat, and to be kept away from the bright sun for a few days. When it comes to some of the less expensive varieties of Cannas, of which we have a large stock on hand, it hardly pays to bother with any of the growth made below the benches; but a variety such as King Humbert is too valuable as yet to lose, or waste anything that might make a plant. Shoots which have made leaves under the bench, if not too long or spindly, will grow into good stock, but they need a little nursing for a few days, otherwise they might as well be thrown away. The retail grower wont make any mistake by having a few extra strong Humbert Cannas in 6" pots in bloom by May. The others, in 3½" and 4" pots, the right sizes for bedding, will sell much better when a customer can see the wonderful flowers when ordering, which are exceptionally fine when they have a chance to develop under glass. This holds good also of any of the other sorts. Have a few in bloom, so that a customer will get a better idea of them, and you will find it so much easier to take orders.

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EASTER PLANTS

AZALEAS, 5½ to 8-in. pots, from 75c. to $6.00 each, larger plants from $6.00 to $10.00 each, Pyramids $4.00 and $6.00 each.
Chas. Eancke, dwarf, in 4½ and 5-in. pots, $4.00, $6.00 and $6.00 a doz.
Firefly, 4½ and 5-in. pots, $4.00, $5.00 and $6.00 a doz.
LILIES, $12.00 per 100 buds; $120.00 per 1000, $550.00 per 5000.
LILACS, White and Blue, 8 and 9-in. pots, $1.50, $2.00, $2.50 and $3.00 each.
SPIRAEA, Gladstoni, White, $6.00, $9.00 and $12.00 a doz.
Queen Alexandra, Pink, 75c., $1.00 and $1.25 each.
HYACINTHS, Single, pots $2.00 per doz. Only extra selected bulbs grown.
Miniature, 6, 7 and 8-in. pans, 35c., 50c., 75c. and $1.00 a pan.
TRUMPET NARCISSUS, 35c., 50c., 75c. and $1.00 a pan.
LILY OF THE VALLEY, in 5-in. pots, 35c. each; 6-in. pans, 60c. each; 7 in. pans, 76c. each and 8 in. pans, $1.00 each.

DWARF ROSES, Baby Dorothy, Baby Ramblers, $6.00, $9.00 and $12.00 a doz.
ROSE, Mme. Cutbush. Enchantress pink, large plants, 6½ and 7-in. pots, $12.00 $15.00 and $18.00 a doz. Standards, 2 ft. high, $12.00 a doz.
Large showy plants of Dorothy Perkins, shell pink, 6½ to 9-in. pots, $1.60 to $7.00 each.
ROSE, Tausendschoen. Large semi-double, shell pink, 6½ in. pots, $1.00 to $2.00 each; 8-in., large, well budded, $5.00 each.
Star-Flowered Rambler, single, large trusses, outside petals light pink, centre white, 6½-in. pots, $1.50 and $2.00 each; large plants in 7 to 9-in. pots, $3.00 to $7.00 each.
Wedding Bells. Pink, single, $1.50 ea.
Everblooming Crimson Rambler, (Flower of Fairfield). Brilliant red color, 6½, 7, 8 and 9-in. pots, $2.00 to $5 each.

All the foregoing Roses are timed for Easter and are perfectly budded.

With shipping orders, please add to the amount of bill 75c. for each ten dollars worth of goods, to cover the expense of cases and packing.
For other varieties of foliage and Easter plants, write for price lists.

ANTON SCHULTHEIS
316 19th Street, COLLEGE POINT, L. I., N. Y.

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PALMS

Extra good values in Palms for Easter. Stock in perfect condition

KENTIA BELMOREANA 6 in. pots, 6 leaves, 20 to 24 in. high, $1.00
7 in. pots, 6 to 7 leaves, 24 to 26 in. high..... 1.50
7 in. pots, 6 to 7 leaves, 26 to 28 in. high..... 2.00
8 in. pots, 6 to 7 leaves, 32 to 34 in. high..... 2.50
8 in. pots, 6 to 7 leaves, 34 to 38 in. high..... 3.50

KENTIA FORSTERIANA 6 in. pots, 6 leaves, 34 to 36 in. high 1.50
7 in. pots, 6 to 7 leaves, 36 to 40 in. high..... 2.50
8 in. pots, 6 to 7 leaves, 40 to 44 in. high..... 3.50
8 in. pots, 6 to 7 leaves, 44 to 48 in. high..... 4.50
10 in. pots, 6 to 7 leaves, 5½ ft. high..... 8.00

Made up Kentia Forsteriana, strong bushy plants, 3 plants to a tub.
7 in. tubs, 40 to 44 in. high..... 4.00
8 in. tubs, 44 to 48 in. high..... 5.00
10 in. tubs, 44 to 48 in. high (heavy)..... 6.00
10 in. tubs, 48 to 52 in. high (heavy)..... 7.00
10 in. tubs, 50 to 54 in. high (heavy)..... 8.00

PHŒNIX ROEBELENII 5 in. pot plants, nicely characterized, $1.00 each, $10.00 per dozen.

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Ferns, Aspidistras, Araucarias,
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Large Oleanders and many other plants

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A REVIEW OF THE MARKET

Amer. Beauty
Bride
Killarney
Carnations
Violets
Cattleyas
Orchids
Lilies

NEW YORK, February 23.—No improvement is noticed in the condition of the cut flower market as it existed a week ago. All kinds of flowers are very plentiful and price hardly enters into the question of sales as buyers are able to secure flowers at practically their own figure. It is not a question of quality but quantity, and the light demand for all grades of flowers has made a general clean up well nigh impossible. American Beauty Roses are about the only flowers in which any activity is manifest, top grades of them reaching 50c. A few sales of these Roses have been made at 60c. but they have no bearing on the general market. Tea Roses of every description are very plentiful, and best grades are hard to move. Short stemmed grades move a little more readily, but there are plenty to go round.

Carnations are so plentiful that one wholesaler cleaned out good, bad and indifferent stock at 50c. per 100. This price is perhaps, the lowest, but it is indicative of the condition on the street, and many other wholesalers would do likewise if opportunity offered. Carnations have to be exceptionally good to realize $2.00 per 100.

Cattleya Mossiæ is now coming in, but the demand for Orchid flowers is very light, so that quotations of last week would apply to the conditions existing now. Gardenias, Lilacs, Lily of the Valley and Sweet Peas are in abundance, all of which are selling at prices consistent with quality, where sales are possible. Tulips, Freesias and Daffodils are a source of worry, as they accumulate rapidly with no existing outlet for them; all varieties suffer alike. Lilac, Stocks, Callas and other such material move slowly. Asparagus and Smilax move moderately well. Violets are mostly secured by the street men, who buy the majority of the flowers at 30c. to 40c. per 100.

CHICAGO, February 22.—For the Lenten season, the market has kept up fairly well, and even with the stock of Roses much greater than for many weeks, there is a good demand for all varieties and grades, at prices practically unchanged. American Beauty Roses are of better color, and begin to look like the real thing. Killarney is also much improved, but of all Roses are the scarcest. Good Killarneys bring $12 to $15 per 100, with Bride and Bridesmaid commanding $8 per 100 for best stock; other varieties are about as quoted.

Carnations are holding their own, and with plenty of good stock $3 per 100 for best is easily obtained, ranging down to $1.50. The demand for Harrisii Lilies is very active, and flowers are easily disposed of at $12 to $15 per 100. Callas have taken a drop, however, and $12 per 100 is asked for fancy stock. Lily of the Valley is plentiful, with the demand not quite so great; prices still hold at $3 to $5 per 100. Bulbous stock has taken a back seat, the demand falling off considerably in the past week. This is especially noticeable in white, yellow in all bulbous flowers having preference. Sweet Peas are showing up in greater quantities, although there are many short stemmed ones among them; 75c. to $1 per 100 are the prices obtained. Daisies are to be had, but not in any great quantity, at $1 per 100. Candytuft, Freesias and Roman Hyacinths move slowly. Paperwhites are not so plentiful, but still quoted at $3 per 100.

Orchids are getting scarcer, and already the supply for Easter looks as if it may be short. Gardenias are in plenty for the demand. Green stock moves very satisfactorily. The market, taken altogether, is all and more than anticipated for this season, and all are well satisfied with the conditions.

PHILADELPHIA, February 21.—The cut flower market is in a very perturbed state, as are all other business enterprises in this city, due to the strike of the trolley men. Up to last Saturday morning orders were brisk, and plenty of stock of all cut flowers was on hand but the question of delivery since that time has so entered into the sales that all orders are taken without any special time limit, it being up to the wholesaler to get his goods to the retailers' establishments as soon as possible; with this handicap orders have dwindled away fully 50 per cent. The public mind is greatly agitated, and the only persons doing business are the street fakirs, who are certainly reaping a harvest from the pedestrians. The class of stock secured by them is mostly Carnations, and on account of so much of it being on hand many sales are reported at $7.50 per 1000, any color; this will evidently be the largest outlet for the next few days, unless conditions change. All stock, from American Beauty Roses down to Violets, is plentiful enough for all purposes, and at present writing it is not so much a question of price, as of chance to sell, as material is accumulating rapidly. Top prices on all commodities are realized where possible, these being the same as last week, except Carnations, which have dropped.

Short stemmed Roses are in good demand, but not scarce, and no fancy prices are realized.

Bulbous stock of all varieties is very plentiful. Daffodils and Tulips are coming in large quantities and much stock is on hand in the ice boxes of all the wholesalers. Shipping orders are moving easily, but these do not relieve the situation to any great extent, and until the strike question is settled but little relief will be found in the cut flower market. Greenery of all kinds, especially cut sprays of Asparagus plumosus, is in good demand, and realizes 40c. to 50c. per bunch.

BOSTON, February 22.—Although there is quite a good supply of flowers, prices are holding fairly good and there isn't very much surplus this week. Roses are not over plentiful and prices hold firm. Long stemmed American Beauty are very scarce and bring fancy prices. White Killarney is getting a little more plentiful. Red Roses are scarce, therefore the prices are good. Bon Silene and Safrano in top grades are bringing fancy prices. Rose Mrs. Aaron Ward with 24 in. stems also brings fancy prices. My Maryland is arriving in small quantities. Richmond is quite scarce. Bride and Bridesmaid are not quite as popular, and move slower.

Carnations are becoming quite plentiful and prices are inclined to fall. The quality of the flowers is good.

Bulbous material is quite plentiful. Some fine Emperor and Empress and Golden Spur are seen. Tulips are plentiful, LaReine and Yellow Prince are in abundance. Lilies are plentiful, many of them of the Formosa type. Lily of the Valley is abundant. Pansies are in good supply, selling well. Forget-me-nots are plentiful and good grades sell well. Mignonette of high grade moves freely. Paperwhites are very scarce. Violets are in quantity and prices are irregular. Callas are considerably more plentiful. Asparagus Sprengeri and plumosus are very scarce. Calendulas are coming in greater quantity and prices are fairly good. Gardenias are in better supply. Orchids, especially Cattleya Trianæ, are abundant and in fair demand. R. C.

INDIANAPOLIS, February 21.—A bountiful supply of beautiful flowers enabled the retailers to make pretty window displays and also to encourage counter sales throughout the past week. Funeral work has been fairly heavy, and has relieved the market of much second grade material. There have been numerous decorations, but few of them of any consequence. This is unfortunate at this period when there is such a wealth of potted plants to draw from. The heaviest snowfall on record, some seventeen inches, caused much annoyance in the deliveries and made the wagoning to market of supplies a difficult problem. The heavy weights of snow on the houses caused quite a bit of anxiety but only one serious mishap has been reported, that of the Benthey Co. at New Castle, Ind. Automobiles were out of the question and horses had to be again resorted to. Patronage was, of course, a bit handicapped, but did nobly in spite of the weather, which remained below zero for some time.

The Rose supply has decidedly improved and there no longer remains room for protests over quality. Select grades of Killarney, Richmond and My Maryland are sold at $8 to $10 per 100; seconds at $5 to $6 per 100, and shorts at one half that figure. Bridesmaid and Bride are in better quality than at any time this season at $2 to $8 per 100. American Beauty has good buds and foliage, at $5 to $50 per 100.

Bulbous flowers are arriving in splendid quality, at $3.50 to $4 per 100; for Tulips, Paperwhite Narcissus, Jonquils and Roman Hyacinths. Dutch Hyacinths in all colors are offered at $8 to $10 per 100. White and purple Lilacs, while not so profitable, find a fairly good sale at 20c. per spray. Mignonette is fine at $4 per 100. At no time has there been the quantity of Sweet Peas offered at this period. The several colors are wholesaled at 50c. to $1 per 100. The customary retail figure is 50c. per bunch of 25. Both Callas and Harrisii Lilies move freely at $10 to $12.50 per 100 wholesale; $3 to $4 per dozen retail.

Rhododendrons, Azalea mollis, Lilacs, potted pans of bulbous stock, Primroses and Cyclamens make the conservatories a splendid sight, and also aid materially in sales through window displays. I. B.

ST. LOUIS, February 21.—St. Valentine's Day business among the retailers was exceptionally good this year, and the commission men, too, say they did a big business that day in both local and shipping trade. They say never before was stock so plentiful as now.

The retail business suffered greatly last week owing to a big snowstorm and a cold wave which lasted throughout the week, still, lots of stock was received during that time at all the commission houses. Business, of course, is very quiet during the Lenten season and will be from now until Easter.

Prices are low. Roses are becoming more plentiful and best stock brings from $4 to $6 per 100; $2 to $3 for shorts. Am. Beauty, $4 to $5 per doz. There is plenty of short stock at cheap prices.

Carnations, best, $3 per 100; $1 to $2 for other grades. Violets are very cheap; Californias selling from $1.50 to $2 per 100; Pilcher's new Violet still obtains 50c. per 100. Callas and Harrisii Lilies are $10 to $12.50 per 100. Sweet Peas, 25c. to 75c. per 100. Roman Hyacinths and Paperwhite Narcissus, $2 to $3 per 100. Von Sions and Tulips, $4 per 100. In greens everything is in plenty at usual prices. ST. PATRICK.

Indianapolis

Mr. and Mrs. J. A. Peterson of Cincinnati were recent visitors. Their new Begonia made an excellent impression in this locality.

Washington's Birthday does not augment business as it used to, and but few preparations are made in the flower line.

John Grande is offering his usual quantity of select Lilies for Easter.

Geo. Maunz, of Reed & Keller, visited the shopmen last week.

Tomlinson Hall Market reports a good business. The amount of stock disposed of last week was much greater than that of the foregoing one.

John Rieman has been busy with funeral work of late.

Homer Wiegand is much interested in autos these days, and intends keeping in touch with the speeders.

John Heidenreich is forcing an unusual quantity of potted plants for March.

Smith & Young are cutting Bridesmaid and Bride Roses of fine quality these days. Much of their product goes to St. Louis.

A. S. Benson is showing an artistic window of bulbous stock. I. B.

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162 LIVINGSTON STREET, BROOKLYN, N. Y.
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VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
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57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, February 23rd, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	40.00 to 50.00
" extra	25.00 to 35.00
" No. 1	20.00 to 25.00
" No. 2	10.00 to 20.00
" No. 3	8.00 to 10.00
Killarney	2.00 to 8.00
White Killarney	2.00 to 8.00
My Maryland	2.00 to 8.00
Richmond	2.00 to 8.00
Mme. Abel Chatenay	2.00 to 8.00
Golden Gate	2.00 to 8.00
Bride, Maid, fancy—spec.	6.00 to 8.00
" extra	4.00 to 6.00
" No. 1	3.00 to 5.00
" No. 2	1.00 to 3.00
Adiantum	1.00 to 1.50
Croweanum	.... to 1.50
Antirrhinum (per bunch)	.50 to 1.50
Asparagus, cut strings	25.00 to 40.00
Plumosus, bunches	15.00 to 30.00
Sprengeri, bunches	15.00 to 30.00
Bouvardia	2.00 to 3.00
Callas	6.00 to 10.00
Daffodils	1.00 to 3.00
Daisies	.75 to 1.00
Ferns, per 1000	.75 to 2.00
	.... to ....
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.50 to .75
Standard Varieties: White	.75 to 1.50
Standard Varieties: Pinks	.75 to 1.50
Standard Varieties: Red	.75 to 1.50
Standard Varieties: Yel. & Var.	.75 to 1.50
Fancy (The highest grades of Sta'd varieties): White	1.50 to 2.50
*Fancy: Pinks	1.50 to 2.50
*Fancy: Red	1.50 to 2.50
*Fancy: Yel. & Var.	1.50 to 2.50
Novelties	2.50 to 3.50
Gardenias, per doz.	.50 to 2.00
Lilac, per bunch	.35 to .50
Lilies, Harrisii and Longi.	6.00 to 10.00
Lily of the Valley	1.00 to 3.00
Mignonetta, per doz.	.40 to .75
Narcissus	1.00 to 2.00
Orchids, Cattleyas	25.00 to 40.00
Cypripediums	8.00 to 12.00
Dendrobium Formosum	25.00 to 40.00
Pansies, per doz. bunches	.35 to .50
Poinsettias per doz.	.... to ....
Roman Hyacinths	1.00 to 2.00
Smilax (per doz. strings)	1.00 to 1.50
Stevia, per bunch	.15 to .25
Sweet Peas, per doz. bun.	.50 to 1.25
Tulips	.75 to 2.50
Violets, single	.30 to .50
" double	.30 to .50
	.... to ....

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ALL VARIETIES OF CUT FLOWERS IN SEASON.

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55 West 28th St., NEW YORK
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CUT FLOWERS AT WHOLESALE

New York

C. W. Ward is spending the Winter in lower Mississippi on the Gulf of Mexico.

The many friends of Frank D. Hunter, who was recently injured by an automobile, will be glad to learn he is rapidly recovering, and able to attend to light duties at his desk in J. H. Small & Sons' store, with whom he has been for several years.

John Weir of Brooklyn recently had the order for a Violet blanket to be used on the casket of Mrs. Williams, mother of the well-known theatrical man, Percy Williams.

William H. Young, the well-known American Beauty grower, formerly of Clifton, N. J., has now assumed the management of the growing at the greenhouse establishment of the John Young Co., Bedford, N. Y.

H. C. Steinhoff of West Hoboken has some fine plants of Baby Rambler Roses in bloom. They show good culture and are well budded. This variety of Rose makes a desirable plant for outdoor Summer blooming.

John Reimels of Woodhaven, who was taken ill in Pittsburgh and was brought home is progressing very favorably, and is able to take a little outdoor exercise.

James McManus is receiving fine blooms of Cattleya Mossiæ, besides many other varieties of Cattleyas. Gardenias, Pansies, Freesias and Valley are also popular articles at his store.

Repairs to the damage caused by fire in the basement of Young & Nugent on Thursday, February 10, are under way, and, from indications the store will present a finer appearance than ever before. Business with this firm has been very good of late.

Sweet Peas arriving in the market have a tendency to appear sleepy; the wings close, thereby spoiling the sale of the flowers. This seems to be general with such varieties as Mrs. A. Wallace, Mrs. Wm. Sim, Gov. Fort, etc., and is apparently due to some local cause.

Victor Dorval, with several other growers, recently made a trip among the growers in the vicinity of Philadelphia.

Henshaw & Fenrich are making special offers of Violets to out-of-town buyers.

The plans for taking over the Growers' Cut Flower Co. by the Retailers' Association have not materialized. Manager Coan says that his receipts of cut flowers are gradually increasing, likewise the sales of same.

Walter F. Sheridan is handling a fine grade of various colored Tulips.

Phil Kessler's store is headquarters for Freesia Purity.

Ford Bros. are handling white Violets, in quantity, as well as Marguerites and all other seasonable stock.

E. H. Behr of Madison, N. J., is sending to Moore, Hentz & Nash some exceptionally good flowers of Rose Killarney. Mr. Behr has taken over the J. M. Lyons place at Madison, N. J.

Sales of cut flowers for Washington's Birthday did not some up to expectations, owing to the bad weather. These inclement spells are quite a factor in the disposal of flowers, as where preparations are made for the movement of a larger amount of stock much disappointment results both to wholesaler and grower, especially as the left over stock influences the market for several days afterward. Many expressions concerning the lack of output for cut flowers at times of market depression were recently heard, and thoughts were freely expressed to the effect that special offerings twice a week by every retailer would help all concerned, at the same time giving the public the benefit of the cheap flowers.

Dr. N. L. Britton, director in chief of the New York Botanical Garden, accompanied by Mrs. Britton, sailed February 17, on the Ward liner "Morro Castle" for Cuba, on a small exploring expedition. Percy Williams, one of his assistants was also of the party.

Bernardsville, N. J.

The coming season promises to be a very active one, with lots of work for laborers and others.

Gov. Murphy having bought the old Oliver Lodge estate, it is to be laid out by a first-class landscape architect.

On the J. F. Talmage estate a tremendous improvement is being made, including the planting of several thousand trees and shrubs, making new roads and the erection of quite a range of glass.

F. G. Lloyd intends to pull down the house at present on his place, and erect a larger one.

C. R. Hammond will have his place attended to by C. W. Leavitt, the landscape architect of Broadway, N. Y.

J. F. A.

Boston

Chas. H. Carr, for the last five years with Joseph Breck & Son, has gone to Harrisburg, Pa., to take an important position with the Holmes Seed Co. His many friends wish him much success and happiness in his new place.

David F. Roy, superintendent of the H. S. Converse estate, Marion, Mass., has just returned from a holiday trip to Palm Beach, Florida. Mrs. Roy accompanied him and they both enjoyed their trip immensely, and were delighted with the vegetation and scenery. The weather was perfect giving them an opportunity to thoroughly enjoy themselves.

Frank Murray of the Schlegel & Fottler Co., has been away from work for three weeks. He had a very serious attack of rheumatism. We are pleased he is back to the store again, although he is quite lame yet.

Fred Mathison, florist, of Waltham, is on the sick list, and it is feared that he won't be quite well for some time.

William P. Rich, secretary of the Mass. Hort. Soc., represented his society at the annual dinner of the Rhode Island Hort. Soc. on February 16. There was a large attendance and it was a very enthusiastic gathering.

John Horak, retail florist of Lynn, handles the very highest grades of flowers. He has large sales for the new French Rose Aaron Ward. Last week he sent a large order of the above Rose to Montreal for a birthday party. He purchases his Aaron Ward Roses from Wm. Elliott.

W. H. Vose of Milton is shipping some very high grade bulbous stock to market this week.

The Lily of the Valley, in pots, from Thomas Butterworth of Framingham, at the Park st. market is the best we have seen for some time.

Pussy Willows are used more extensively this Winter and there is quite a demand for them. The supply is getting more plentiful as the days lengthen.

Burt Pierce and his wife went to Savannah on Saturday. They are taking their mid-Winter vacation. We hope they will have a pleasant time.

The bowling team of the Park st. market defeated the Galvin men, and they are sending out a challenge to play any team in the city.

George H. Noyes is handling at the Park st. market some of the best Carnation Beacon seen for some time. The color of the flowers is exceptionally good, and they have fine stems and excellent foliage. They are grown by W. D. Howard.

Thomas Peglar was missed from the banquet on Saturday night; he was called suddenly to New York. He is handling some extra fine Pink Beauty Lupines from H. Waldeker.

The greenhouse which the King Construction Co. are erecting for Chas. Holbrow is being pushed along as fast as possible.

William Sim's Sweet Peas are by far the best in the market. He has a beautiful pale pink variety which is semi-double, a really good thing. The variety name is not given.

Wm. Elliott is shipping some extra fine Bon Silene Roses with stems 18 inches long and very fine foliage. The old-time Safrano, as grown by Mr. Elliott, is an excellent thing and we are so pleased that these old-fashioned Roses are becoming popular again. In the bud stage they are simply delightful. Rhea Reid is of a much more pleasing color than it was two weeks ago. It is a heavy cropper and is to be grown in larger quantities next year by Mr. Elliott. The new Rose Mrs. Aaron Ward is in great demand; the supply is plentiful, and choice prices are obtained. His White Killarneys are very fine and getting more plentiful.

Wm. W. Edgar Co. at Waverly has some excellent material coming along nicely for Easter. They have 15,000 Lilies that will be in the right condition for shipping at that time. Their Lilacs, Azaleas and Hydrangeas are making a fine showing for Easter.

The monthly meeting of the Gardeners & Florists' Club will be held at Horticultural Hall on March 22 instead of March 15. The change in date is because the hall is let for the week of March 15.

Joseph M. Gleason of the Schlegel & Fottler Co. has been confined to his home for some time with sore eyes. It is feared that he won't be back to work for some time.

Thomas Westwood of Forest Hill Cemetery made an address last week before the North Shore Hort. Society. His subject was "Bedding Plants." He is an authority on this subject and probably there is no man in this part of the country that can make such an artistic arrangement of a sub-tropical bed as he can. It was unfortunate the evening was very unpleasant, nevertheless there was a goodly attendance.

There is every indication at the present time that the mid-Winter exhibition of the Mass. Hort. Society will be a great success. Quite a number of entries are promised now for Orchids, Roses and Carnations.

Washington's Birthday was very unpleasant. We had quite a heavy fall of soft, wet snow which is sticking heavily to trees and shrubbery. R. C.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Feb. 10, 1910	Pittsburg Feb. 23, 1910	NAMES AND VARIETIES	Boston Feb. 23, 1910	Detroit Feb. 20, 1910	Cincinnati Feb. 21, 1910
to 25.00	40.00 to 60.00	Roses—A. Beauty, fancy—special	40.00 to 50.00	35.00 to 40.00	25.00 to 80.00
to 18.00	20.00 to 30.00	" extra	20.00 to 30.00	20.00 to 30.00	to
to 12.50	10.00 to 15.00	" No. 1	10.00 to 15.00	15.00 to 20.00	12.00 to 15.00
to	5.00 to 8.00	" No. 2	2.00 to 8.00	8.00 to 12.00	to
6.00 to 8.00	6.00 to 15.00	Killarney	8.00 to 12.00	to	6.00 to 10.00
6.00 to 8.00	6.00 to 15.00	White Killarney	8.00 to 12.00	to	6.00 to 10.00
to	6.00 to 8.00	My Maryland	2.00 to 10.00	6.00 to 12.00	6.00 to 12.00
4.00 to 6.00	6.00 to 15.00	Richmond	8.00 to 12.00	6.00 to 12.00	8.00 to 10.00
4.00 to 6.00	6.00 to 10.00	Perle	to	to	to
to	to	Golden Gate	to	6.00 to 10.00	to
4.00 to 6.00	to	K. A. Victoria	to	6.00 to 12.00	to
to 8.00	10.00 to 12.00	Bridesmaid, fancy—special	5.00 to 8.00	10.00 to 12.00	6.00 to 10.00
to 6.00	to 8.00	" extra	2.00 to 4.00	8.00 to 10.00	to
to 4.00	to 6.00	" No. 1	to	6.00 to 8.00	to
to 2.00	to 4.00	" No. 2	to	4.00 to 6.00	to
to 1.00	1.00 to 1.25	Adiantum	1.00 to 1.50	.75 to 1.00	to
to	to	Antirrhinum, (per bunch)	to	to	to
to 30.00	30.00 to 50.0	Asparagus, Plumosus, bunches	to 50.00	30.00 to 60.00	to 25.00
to 30.00	to 30.00	" Sprengeri, bunches	to 50.00	30.00 to 50.00	to
to	to	Bouvardia	to	to	to
to	to 12.00	Callas	8.00 to 10.00	to 15.00	to 12.00
to	to	Chrysanthemums	to	to	to
to	1.00 to 1.50	Carnations—Inferior grades, all colors	1.00 to 1.50	to	1.50 to 3.00
to 1.00	to 2.00	Standard Varieties: White	to	2.00 to 3.00	to
to 1.00	to 2.00	Standard Varieties: Pink	1.50 to 3.00	2.00 to 3.00	to
to 1.00	to 2.00	Standard Varieties: Red	1.50 to 3.00	2.00 to 3.00	to
to 1.00	to 2.00	Standard Varieties: Yellow and var.	to	to	to
2.00 to 3.00	to 3.00	*Fancy (*The highest grades of Std'd vars.): White	to	3.00 to 4.00	to
2.00 to 3.00	to 8.00	*Fancy: Pink	to	3.00 to 4.00	to
2.00 to 3.00	to 3.00	*Fancy: Red	to	3.00 to 4.00	to
2.00 to 3.00	to 3.00	*Fancy: Yellow and var.	to	to	to
to	2.00 to 3.00	Daffodils	2.00 to 4.00	3.00 to 4.00	to
to .50	1.00 to 3.00	Daisies	to	to	to
to .25	.15 to .20	Ferns, hardy	to	to .15	to
to 3.00	to 3.00	Freesia	2.00 to 4.00	to 3.00	to
to .20	to .12	Galax, green and bronze	to	to .12	to
to	to	Gardenias, per doz.	to	to	to
to	to 8.00	Lilac	to	to	to
to 12.50	to 12.00	Lilies, Harrisii and Longi	6.00 to 12.00	15.00 to 20.00	to
to 3.00	2.00 to 4.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00	to
to	3.00 to 6.00	Mignonette	3.00 to 5.00	6.00 to 10.00	to
to 3.00	2.00 to 4.00	Narcissus	2.00 to 3.00	to 3.00	to 2.00
to	50.00 to 60.00	Orchids—Cattleyas	to 50.00	to	to
to	to 15.00	Cypripediums	to	10.00 to 15.00	to
to	to	Dendrobium Formosum	to	to	to
to 3.00	to 1.00	Pansies, per doz. bunches	to	to	to
to 3.00	1.00 to 3.00	Roman Hyacinths	to	to	to
to 1.50	.50 to 1.50	Smilax, (per doz. strings)	to	to 1.50	to
to	to	Stevia, per bunch	to	to	to
.75 to 1.00	.50 to 1.50	Sweet Peas, (per doz. bun.)	.25 to .75	.75 to 1.50	.60 to 1.00
to 3.00	2.00 to 4.00	Tulips	2.00 to 3.00	to 3.00	to
to .75	.60 to .75	Violets, single	.25 to .50	.60 to 1.00	to .50
to .75	.50 to 1.00	" double	to	.50 to 1.00	to 1.00
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

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WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. CINCINNATI, O.

All Cut Flowers in Season.

I Sell Heller Bros. Roses

WIRE WORK A SPECIALTY

Get your order in now for

HANGING BASKETS

The Best—The Strongest—The Cheapest

Green Sheet Moss, $1.00 per Bundle

Sphagnum Moss, $1.00 per Bale

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Manufacturers of WIRE DESIGNS

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'Phone, Main 874. P. O. Box 108

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Philadelphia

The monthly meeting of the Pennsylvania Horticultural Society was held February 15, with Vice-President Henry F. Michel in the chair. After routine business a discussion was entered into regarding the culture of the Cyclamen. Attention was also called to the annual Spring show to be held March 15, 16 and 17, in Horticultural Hall. A fine offering of prizes has been received by the secretary, and it is hoped that as many as can will enter plants, etc., for exhibition, in order that the efforts of the committee in charge may meet with success.

The regular monthly meeting of the Florists' Club will be held March 1; at which Albert M. Herr of Lancaster, Pa., will give the members a talk on Carnations, a subject he is fully able to handle, and which should prove a source of pleasure and education.

In connection with the Spring show before mentioned, the National Gardeners' Association will hold its convention. A banquet will be held at Dooner's Hotel on March 15.

Possibly nothing can cripple the business interests of a large city so much as a complete suspension of its street car traffic. For the second time within a year this city is almost subject to mob rule, the riotings covering a larger territory than the previous strike. Coming as it did, at an hour's notice, some time must elapse before business rights itself, and this cannot happen until measures are taken to restore normal conditions. Who is to blame is hard to say, but the consensus of opinion is that generally the city is tired of all these petty annoyances. If only those involved were the sufferers conditions would be bearable, but, as it is, thousands are compelled to walk miles in all kinds of weather, to say nothing of the risk to life and limb while traversing the streets. The end is not yet.

Chas. M. Keegan recently removed from his store on S. 13th st. to 1302 Sansom st., where orders for decorative work in any part of the country will be received and attended to.

The friends of Mrs. Robt. Craig, who is now in Florida, will regret to learn of her sickness. Reports are, however, to the effect that rapid progress is being made towards recovery.

H. I. Faust of Merion, Pa., will have a fine block of Lilium giganteum in bloom for Easter. Ramblers of all shapes and varieties, Bougainvilleas, Spiræa Gladstone and Hybrid Roses in pots will be in fine shape for Easter at the establishment of Robert Craig Co., not forgetting about 10,000 Lilies to be used for cut blooms or plant shipments.

Godfrey Aschmann is using all available space in his greenhouses, as his immense stocks of Azaleas, etc., for Easter require lots of room. In the meantime Spring bedding plants have to be looked after, a full line of which is offered to the trade each year.

There is a strong possibility that the supply of Hydrangea plants will be short, as many seen by the writer will be too late for Easter sales.

Wm. K. Harris has a fine lot of Shamrock, of the usual quality, ready for St. Patrick's Day.

The S. S. Pennock-Meehan Co. is making a specialty of Daffodils for Saturday specials for retailers, an idea which, if taken hold of more energetically, would result in greater financial revenue for all concerned. Chas. Meehan says the company will have an unlimited supply of green Carnations for March 17, plenty of the necessary dye will also be on hand.

Miss M. Baker of Media, Pa., did remarkably well this season with the blooms from the southern grown Daffodil bulbs secured last Fall.

The Leo Niessen Co. is handling large quantities of Killarney Roses and other good seasonable flowers, and shipments of these to distant points are increasing daily. Lilies have recently been especially fine, and a good stock of them is always on hand.

Southern grown Daffodil blooms are expected in the market in a few days.

Recent visitors to our city were: Mr. Ratcliffe of Ratcliffe & Tanner, Richmond, Va.; W. A. Anderson, Buffalo, N. Y.; D. B. Edwardes, Atlantic City, and Victor Dorval, with a party of five, from New York City.

Hartford, Conn.

Page F. Potter has leased greenhouses at 232 Main st. wherein he will grow a general line of stock for the store trade which he will carry on in connection with the growing end. He also deals in bulbs, seeds, plants and shrubs.

Richmond and Killarney

They are now in full crop and in fine condition. You will find extra good value in the medium grades. $8 00-$12.00 per 100.

SINGLE DAFFODILS
GOLDEN SPUR, $3.00 per 100.
PRINCEPS, $2.00 per 100.

FREESIAS, $2.00-$3.00 per 100.
SWEET PEAS, $0.75-$1.00 per 100.
VALLEY, $3.00-$4.00 per 100.

CARNATIONS, Fancy

$2.50 per 100, in lots of 500 and over; mostly of the better varieties, our selection of colors. Can furnish them in any quantity.

THE LEO NIESSEN CO.,
Wholesale Florists
1209 Arch Street
PHILADELPHIA
Open from 7 A.M. to 8 P.M.

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WE ARE NOW BOOKING ORDERS FOR

BEGONIA LORRAINE
BEGONIA LORRAINE LONSDALE
BEGONIA AGATHA

JUNE DELIVERY

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be **twice shifted.** Orders filled in rotation. 2½-in. pots, $15.00 per 100, $14 00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Feb. 21, 1910	Buffalo Feb. 21, 1910	NAMES AND VARIETIES	Phil'delphia Feb. 21, 1910	St. Louis Feb. 21, 1910	
to	30.00 to 40.00	**Roses**—A. Beauty, fancy—special	40.00 to 50.00	30.00 to 40.00	
20.00 to 25.0	to 25.00	" extra	30 00 to 40.00	12.60 to 20.00	
12.50 to 15.00	to 12.00	" No. 1	15.00 to 25 00	6.00 to 10.00	
8.00 to 10.00	6.00 to 8.00	" No. 2	8.00 to 15.00	4.00 to 6.00	
5.00 to 8 00	10.00 to 12.00	Killarney	4.00 to 12.00	5.00 to 10.00	
5.00 to 8.00	10.00 to 12.00	White Killarney	4.00 to 12.00	5.00 to 10.00	
4.00 to 10.00	6.00 to 10.00	My Maryland	4 00 to 10.00	6 00 to 10.00	
4 00 to 8.00	5.00 to 12.00	Richmond	4.00 to 10.00	5.00 to 10.00	
4.00 to 6.00	5.00 to 10.00	Perle	to	to	
4.00 to 10.00	to	Golden Gate	to	to	
5.00 to 10.00	to	K. A. Victoria	to	to	
8.00 to 10.00	8.00 to 10.00	Bride, Maid, fancy—special	8.00 to 10.00	8.00 to 10.00	
7.00 to 8.00	6.00 to 8.00	" extra	6.00 to 8.00	5.00 to 6.00	
5.00 to 6.00	5.00 to 5.00	" No. 1	4.00 to 6.00	to 4.00	
4.00 to 5.00	3.00 to 4.00	" No. 2	3.00 to 4.00	to	
to 1.00	to	**Adiantum**	1.00 to 1.50	1.00 to 1.50	
to	to	**Antirrhinum** (per bunch)	to	to	
25.00 to 50.00	to	**Asparagus,** Plumosus, bunches	35.00 to 50.00	to	
25.00 to 50.00	to	" Sprengeri, bunches	25 00 to 50.00	25.00 to 50.00	
to	to	**Bouvardia**	2.00 to 3.00	to	
8.00 to 12.60	10.00 to 12.50	**Callas**	5.00 to 10.00	8 00 to 10.00	
to	to	**Chrysanthemums**	to	to	
to 1.50	to	**Carnations**—Inferior grades, all colors	.60 to .75	1.00 to 1.50	
2.00 to 2.50	to 2.00	Standard Varieties: White	1 00 to 2.00	1.00 to 1.50	
2.00 to 2.50	to 2 00	Pink	1.00 to 2.00	1.00 to 1.50	
2.00 to 2.50	to 2.00	Red	1.00 to 2 00	1.00 to 1 50	
2.00 to 2.50	to 2.00	Yellow and var	1.00 to 2 00	to	
to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	2 00 to 3.00	2.00 to 2.50	
to 3.00	2.50 to 3.00	Pink	2.00 to 3 00	2 00 to 2.50	
to 3.00	2.50 to 3 00	Red	2.00 to 3.00	2.00 to 2.50	
to 3.00	2.50 to 3.00	Yellow and var	2 00 to 3 00	2.00 to 2.50	
to	to	**Daffodils**	1 50 to 4 00	2 00 to 2.50	
to	to	**Daisies**	to 1.00	to	
to	to	**Ferns,** hardy	to .20	to	
.50 to 1.50	3.00 to 4.00	**Freesia**	to 1.50	to	
to	to .15	**Galax,** green and bronze	to	to	
to	to	**Gardenias,** per doz	.75 to 3.00	to	
to	to	**Lilac**	.50 to 1.00	to	
to 12.50	12.00 to 15.00	**Lilies,** Harrisii and Longi	6.00 to 10.00	to 10.00	
3.00 to 4.00	3.00 to 4.00	**Lily of the Valley**	1.50 to 3.00	3.00 to 4.00	
to 3.00	2.00 to 5.00	**Mignonette**	1.50 to 3.00	4.00 to 5.00	
to 3.00	2.00 to 3.00	**Narcissus**	1.00 to 2.00	2.00 to 2.50	
to	40.00 to 50.00	**Orchids**—Cattleyas	40.00 to 50.00	to	
to	12.00 to 15.00	Cypripediums	8.00 to 10.00	to	
to	to	Dendrobium Formosum	30.00 to 40.00	to	
.60 to .75	to	**Pansies,** per doz. bunches	.75 to 1 00	to	
2.00 to 3 00	2.00 to 3.00	**Roman Hyacinths**	1.00 to 2.00	1.50 to 2.00	
to 2.00	to 1.50	**Smilax,** (per doz strings)	1.00 to 1.50	1.25 to 1.50	
to	.25 to .30	**Stevia,** per bunch	to	to	
.50 to 1.50	.50 to 1 00	**Sweet Peas,** (per doz. bun.)	to .35	.25 to .50	
to 3.00	to	**Tulips**	1.00 to 4 00	2.00 to 3.00	
to .50	to	**Violets,** single	.35 to .50	.15 to .25	
to .50	to	" double	.35 to .50	to	
to	to		to	to	
to	to		to	to	
to	to		to	to	

F. E.—The Best Advertising Medium

Single and Double Daffodils

THOSE large, crisp, long-stemmed flowers, money makers for anyone who uses them in quantity about the store, a splendid Saturday Special.

If interested, write us. We can make you some very attractive prices for your Special.

Single and Double Daffodils, extra choice flowers, $4.00 per 100; Choice, $3.00 per 100, $25.00 per 1000.

GARDENIAS
Per dozen, Special $4.00; Fancy $3.00; 1st $2.00.

VALLEY Per 100, Special $4.00; Extra $3.00; 1st $2.00.

PEAS Lavender, White, Flesh and Pink. Extra long, $1.00 per 100. Medium and Long, 50c and 75c. per 100.

RIBBONS Some of the choicest novelties; exclusive patterns; an endless variety to choose from SUPPLIES of all kinds.

GREEN CARNATION DYE $1.00 per package; enough for 200 to 300 flowers.

GREEN CHIFFON 6-in., 4c. per yard.

CATALOGUE ON REQUEST

S. S. PENNOCK-MEEHAN CO.
The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St., Philadelphia, Pa.
1212 New York Ave., Washington, D. C.
Stores close at 6 P. M.

Please mention the Exchange when writing

Buffalo, N. Y.

Club News

The annual election of officers of the Buffalo Florists' Club will take place on Tuesday, March 1, at the Iroquois Hotel. The Club will also hold its banquet the same night. The committee has worked hard to make this a banner night. The menu for the banquet will fully equal the best to be put up by any hotel, and anyone who knows what the Iroquois Hotel is realizes that it is second to none in the country today. The flower committee has written to the best growers of fancy Carnations in the country to put their new Carnations on exhibition here, to give the local growers who were not fortunate enough to see the big show at Pittsburgh a chance to see the prize winners of that show. Any of the local growers not reached by letter may send in any Carnations that they care to exhibit, and should send them marked "For flower show, c/o Wm. F. Kasting Co., 383 Ellicott st." The entertainment committee has a great card that night for the benefit of the members. They have engaged a famous cartoonist to throw pictures of all the local florists on a screen, something which will be worth coming miles to see. Come and view whatever peculiarity the artist sees you have. L. H. Neubeck will explain the cartoons—enough said. Edmund Slattery will positively read his paper on color harmony that he has been working on for the last four months.

W. H. G.

Utica, N. Y.

Frank McGowan, of Sunset ave., has a grand lot of Sweet Peas, stems 12 and 18 inches long, coming in now with a big crop, which keeps him very busy picking. He has as fine a bench of Lady Bountiful Carnations as one would wish to see. They were not disbudded and are a sight to look on. All his Carnations are looking good. He has a fine lot of Azaleas just right for Easter, and is cutting some fine Golden Spur Daffodils.

EDWARD REID
Wholesale Florist
Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias
All other seasonable flowers
1526 Ranstead St., Philadelphia, Pa.
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Headquarters in Western New York
For Roses, Carnations,
And all kinds of Seasonable Flowers

WM. F. KASTING CO.
Wholesale Commission Florists
Dealers in Florists' Supplies and Wire designs
383-87 Ellicott St., BUFFALO, N.Y.
Give us a trial—We can please you

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45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

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CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

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HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

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"The Busiest House in Chicago"

J. B. DEAMUD CO.

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51 Wabash Ave.

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Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

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E. G. HILL CO.

Wholesale Florists

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CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

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ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Feb. 22, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	4.00 to 5.00
30-inch stems.. "	.... to 3.00
24-inch stems.. "	2.50 to 3.50
20-inch stems.. "	.... to 2.50
18-inch stems.. "	1.50 to 2.00
12-inch stems.. "	1.00 to 1.25
8-in. stems and shorts "	.75 to 1.00
Killarney	5.00 to 8.00
" extra	12.00 to 15.00
White Killarney	12.00 to 18.00
Richmond	7.00 to 15.00
My Maryland	5.00 to 12.00
Bride, Maid, fancy apecial	6.00 to 15.00
" extra	4.00 to 8.00
" No. 1	.... to 4.00
" No. 2	.... to 2.50
Perle	5.00 to 12.00
Chatenay	3.00 to 8.00
Kaiserin	.... to 8.00
Uncle John	.... to 10.00
Mrs. Marshall Field	.... to 8.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Calla Lily	8.00 to 12.00
Chrysanthemums doz.	.... to ....
" fancy doz.	.... to ....
Daisies	.... to 1.00
Daffodils	3.00 to 4.00
	.... to ....

CARNATIONS	
Standard Varieties: White	1.50 to 2.00
Standard Varieties: Pink	1.50 to 2.00
Standard Varieties: Red	2.00 to 4.00
Standard Varieties: Yel. and Var.	.... to ....
*Fancy (*The highest grades of Sta'd varieties): White	.... to 3.00
*Fancy (*The highest grades of Sta'd varieties): Pink	.... to 3.00
*Fancy (*The highest grades of Sta'd varieties): Red	.... to 3.00
*Fancy (*The highest grades of Sta'd varieties): Yel. and Var.	.... to ....
Ferns, hardy, per 1000	.... to 2.00
Freesia	.... to 3.00
Galax (green)	.... to 1.00
" (bronze)	.... to 1.25
Gardenias	24.00 to 40.00
Hyacinths, Roman	.... to 3.00
Lilac	.... to ....
Lilies, Harrisii and Longi.	12.00 to 15.00
Lily of the Valley	3.00 to 5.00
Mexican Ivy	.... to 1.00
Mignonette	4.00 to 5.00
Narcissus—Paper White	.... to 3.00
Orchids—Cattleyas	35.00 to 50.00
" Cypripediums	15.00 to 20.00
Paneies	.... to ....
Smilax	12.00 to 15.00
Stevia, bunch	.25 to .50
Sweet Peas	.75 to 1.00
Tulips	2.00 to 4.00
Violets, single	.... to .75
" double	.75 to 1.00
	.... to ....
	.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

Lonis Bauscher, secretary and general manager of the Freeport Floral Co., Freeport, Ill., was in town accompanied by Dr. Mace, the president of the company. Dr. Mace was on his way to attend the medical convention in New Orleans. Mr. Bauscher visited the different greenhouses about Chicago. It is this company's intention to add three additional houses to its establishment this coming Summer.

W. N. Smith of Smith & Sons, Danville, Ill., visited Chicago on Monday and says that his firm did a larger business in January of this year than any previous January since they have been in business. So much funeral work they claim is responsible.

What might have proved a serious accident occurred last Friday, at 45 Wabash ave., the building where many of our wholesale florists are located. The engineer by mistake turned on a wrong valve, producing a pressure of 145 lbs. of steam, for a time it looked that a catastrophe could not be averted, but, fortunately, the cause was discovered, and further than a scare from the escape of steam trouble was avoided.

R. F. Gloede of Evanston, Ill., met with a serious accident on Friday, February 18, by slipping on the ice. He sustained injuries to the extent of a split shoulder and broken collar bone.

J. H. Willson, traveler for A. L. Randall Co., is in town for a few days between trips. He expects to leave again the last of this week. Mr. Willson reports excellent business.

N. H. Miller, of the J. B. Deamud Co., is taking trips to various places in the interests of the company. Consignments of stock received by this house are unsurpassed.

Kyle & Foerster have a most excellent showing of grand stock in all varieties of flowers, at all times. One cannot help but be suited in this market.

A card received by our correspondent in Chicago from Wm. Falconer, Pittsburgh, from Miami, Florida, where he is spending some time accompanied by his daughter, states that the weather is ideal and that they are having a delightful trip.

The stock of Roses visible at Peter Reinberg's for some days past does not indicate shortage in this line with this house. American Beauty, Bride, Bridesmaid and Killarney are in excellent shape. The most conspicuous of any of the Roses is Uncle John, which is always a standby of this house.

Poehlmann Bros. Co.'s Roses are also looming up in greater quantities. They are fine stock and the supply is always consumed as soon as received; such excellent quality cannot but be appreciated.

Winterson's Seed Store is busy preparing seeds in packets for the coming Spring trade. This store is now in excellent shape to cope with the Spring work.

D. D. Johnson, of the Evergreen Fertilizer house, returned on Saturday last from a trip to Michigan and Wisconsin.

John Tipley is now gardener at the establishment of A. B. Dick, Lake Forest, Ill., succeeding J. W. Sharfenberg.

John Starrett, formerly with the Benthey-Coatsworth Co., is now in charge of the table decorations at the Hotel La Salle.

Axel Nelson, gardener to Martin A. Ryerson, is devoting his spare time entertaining five weeks old Axel junior.

The Killarney and White Killarney Roses grown by Wendland & Keimel, Elmhurst, are in a class by themselves. They are a far superior product of these popular varieties than one generally sees. The two vases they exhibited at Urbana were pronounced by the Rose growers present the most perfect they had ever seen.

C. L. Washburn, the genial Chicago wholesaler, is receiving the congratulations of his many friends on his election as president of the Illinois State Florists' Association.

Our friend Wm. Lynch donned his Spring trousers a little too soon—much to his discomfiture.

The Cement Show is attracting florists and private gardeners this week.

Eugene H. Michel, wholesale florist of 4253 Magnolia ave., St. Louis, Mo., spent part of the present week visiting among the wholesalers of Chicago, and was welcomed by all.

John Burke of Clifford & Burke, 55th st. and Wentworth ave., reports an extensive business in funeral work.

Andrew Peterson of Hoopston, Ill., was in town on Monday, and says that he had funeral work amounting to $440 for the funeral of Mr. Cunningham of that place.

Visitors: Mr. Holm of Holm & Olson, St. Paul, Minn.; Ed. Amerpohl, Janesville, Wis.; W. Brotherton of Jerome B. Rice Co.'s branch store, Detroit, Mich.; Van Aken Brothers, Elkhart, Ind.; A. T. Pyfer, Chicago Carnation Co., Joliet, Ill.; Charles Spickman, Sandwich, Ill.

A visit to the Lincoln Park conservatories during the last month was a treat to the lover of plants in general, and to the Orchid lover in particular. Hundreds of Orchids were on view, in many varieties. Most noticeable were Cattleyas Trianæ, Schroederæ and Harrisoniæ; Laelias anceps, anceps alba, albida and superbiens; Oncidium splendidum; Dendrobiums Curtisii and nobile; Calanthes Veitchii and vestita alba; Cypripediums Dantheri, aitens, etc. The rest of the conservatories where flowering plants are shown were filled with especially fine plants of Cineraria stellata, Primula sinensis, Callas, Begonia manicata, Hyacinths and other bulbs, etc. In the warmer part of the conservatories are some extra fine specimen Palms. Superintendent Rudolph Schiele courteously acted as guide through the growing houses. They have over seven hundred varieties of Orchids in cultivation at Lincoln Park, besides many seedlings of their own crossing. They also have a fine lot of store and decorative plants, flowering plants for the conservatories, a fine lot of Water Lilies, also some Carnations. The rest of the houses are used for the propagation and growing of bedding plants for use in the park, and some other smaller parks in Chicago.

Bowling

The usual meeting of the Florists' Bowling League was held on Thursday, Feb. 17. The following were the scores:

ROSES	1st.	2d.	3d.
Fischer	150	166	206
Goerisch	144	134	135
Lormer	151	114	167
Pieser	89	141	148
Foerster	215	196	163
	749	751	819

CARNATIONS	1st.	2d.	3d.
A. Zech	155	172	136
Farley	157	164	146
Krauss	134	147	108
Pasternich	157	143	194
Ayres	159	127	125
	762	753	709

ORCHIDS	1st.	2d.	3d.
Huebner	152	177	132
Groff	96	150	138
Vogel	99	97	117
Asmus	140	144	173
Zech	163	116	141
	650	684	701

VIOLETS	1st.	2d.	3d.
Bergman	149	150	129
Johnson	169	204	153
Kruchten	136	165	109
Lieberman	150	145	110
Yarnall	170	158	155
	774	822	656

Chicago

The Chicago Carnation Co., Joliet, Ill., arranged another excursion to their greenhouses last Tuesday, February 22. Lunch was served at 1 p.m. Many Chicago florists took advantage of this opportunity to visit the establishment.

The fifteenth annual meeting of the Illinois Farmers' State Institute and Department of Household Science will be held at Edwardsville, Ill., on Tuesday, Wednesday and Thursday, February 22-24. Many Chicago seedsmen will attend.

Vaughan's Seed Store is mailing a new edition of the "Book for Florists." This year the edition includes the collection of perennials of this house, and nursery stock. Caladiums, Tuberoses and Gladioli, in carloads, are crowding the warehouse, the cold weather checking the shipments of such tender stock. H. Cheeseman of Vaughan's has started on his southern trip.

The Leonard Seed Co. states that its jobbing business is fine and the returns from its catalog up to expectations. Market garden business is looking hopeful, although the weather is somewhat against it, being not quite so early as usual. Prospects for a good Spring are very evident.

Detroit

A very brisk call for floral designs, coupled with liberal counter sales, makes everything look bright, notwithstanding dull and cold weather. Calls for decorations for Spring openings are coming more and more, and chances are good for passing through Lent without the sad experience of oversupply and its ruinous consequences.

The persistence of Mr. Fetters to have his window always trimmed in good taste is bringing him a constantly increasing patronage.

Breitmeyers are showing very good dwarf Apple trees and Wistaria in bloom.

J. F. Sullivan's window of Daffodils and single Violets was greatly admired by the general shoppers. F. DANZER.

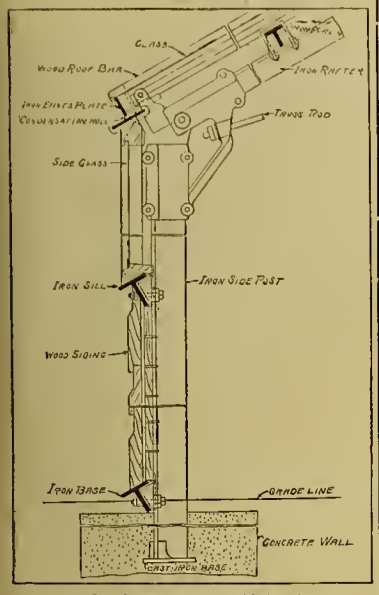
Payne "T" Bar

NON-FREEZING DRIPLESS

EAVES PLATE (Galvanized)

Water of condensation passes directly outside through small holes.

No small pipes to fill up.



IRON SILL (Galvanized)
with concrete walls or wood siding

IRON BASE (Galvanized)
with wood siding, no wood in ground

It Will Pay You to get prices and particulars of our "T" Bar houses. Write at once.

JOHN A. PAYNE
260-274 Culver Ave., JERSEY CITY, N. J.

Please mention the Exchange when writing.

The Best BUG KILLER AND BLOOM SAVER

For PROOF Write to

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The best of all the tobacco dusts for Dusting or Fumigating

25 lbs., $1.00 100 lbs., $ 3.00 1000 lbs., $27.00
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Stumpp & Walter Co. 50 Barclay St., New York.

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CULTURAL DIRECTIONS

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers

One cent gets our catalog.

GIBLIN & CO., Utica, N. Y.

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Newport, R. I.

At the Rhode Island Horticultural Society's banquet in Providence, on February 16, President Robertson, Secretary Coughlan and six other members of the Newport Society were present, and report having had a most enjoyable time. In the party of 135 that sat down to the dinner were quite a number of ladies, and these with the three clergymen present lent a decorum not otherwise obtainable—not that the clergy cannot enjoy a joke, for as a matter of fact the best stories told during the evening were told by the Rev. George Kent in his inimitable way. The toastmaster, Joseph E. C. Farnham, ably filled the position assigned to him. The subjects discussed embraced a wide range. Secretary Rich of the Mass. Hort. Soc. said that the records of his Society prove that horticulture tends to longevity and that of 33 members of his Society that died during the past year 27 were 77 years old or over. Another speaker praised the unselfish work which horticultural societies are doing for the general welfare of the people. The conservation of the nation's natural resources was also commended. But the trusts came in for severe condemnation; it was noticeable, however, that no charges of illegal combinations were made against those engaged in the flower trade. The committee of arrangements, Messrs. A. E. Stene, Thomas Hope and J. Franklin Collins deserve credit for their very excellent plans, which were carried out without a hitch. It was a good dinner well served.

W. Scott Sisson has so far recovered as to be out for a short time on fine days.

Edwin S. Manuel has resigned his position and, March 1, is to join his brother in the express business, after which he hopes to have more time to devote to his favorite hobby, the Dahlia. Through the carelessness of a coal teamster a window was left open and some of Mr. Manuel's best Dahlias were caught, which will cripple him some in filling orders.

ALEXANDER MACLELLAN.

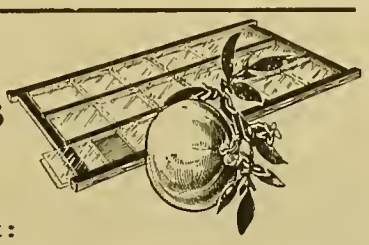
Meriden, Conn.

Meriden, "the Silver City" differs from most manufacturing towns in its thoroughly democratic character, and from mere observation it is impossible to tell the wealthy mill owner from his more humble workman. Neither has it pretentious mansions, extensive lawns or grounds. No glass is observable upon its private estates. A population of 35,000 supports eight commercial florists; the oldest of them is William Woodley, on Silver st. To him has fallen most of the decorative work of the functions of the town; opposite to him are the houses of J. A. Greenhacker, with a store on Cook ave. John Bonnell, Converse ave., and at Jepson's store on Main st., caters to the northeast part of the town. The Blatchley Co. finds outlet for the product of the four large houses at Milldale in the store on Main st., and supplies nearby towns. They have made a successful cut of Carnation Beacon this season, which has proved a heavy cropper for them; and they also make a showing of White Perfection and Fair Maid. Their longiflorum Lilies make a good promise for Easter. They also are growers of Violets. Opposite to the Blatchley houses is the large range of Mr. Curtis who raises 'Mums for the trade of Meriden, Waterbury and New Haven. His cuts of Bonnaffon and Dean at Christmas were good. Having a surplus, he sent it to Saltford, New York, where they realized a good price. He finds it remunerative to grow six flowers to a stem but the stem receives his earnest care from the start, knowing that without that he cannot secure his flowers. When growing for Christmas trade he practices judicious airing and feeding and finds no trouble in retarding bloom. His cleanly kept houses, which between seasons he devotes to Lettuce, and the enthusiasm with which he speaks of his chosen calling, show the love he bears it.

Beaumont, in South Meriden, a Sweet Pea and Carnation specialist, completes the craft of the Silver City.

JOSEPH B. DAVIS.

Get ready to grow plants for Spring



It's time to learn all about:

Write to-day to

Sunlight Double Glass Sash Co.
933 E. Broadway
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The double-glass with air space is a transparent blanket. Covering and uncovering saved. Plants get all the light all the time and grow strong.

Thousands in use—north, east, south, west—get our catalog. It gives valuable information. Then get some sash. They yield big returns every season for a life time.

Please mention the Exchange when writing.

The Mastin Automatic White-Wash and Spraying Machine is Reliable, Practical and Durable

The tank is made of galvanized sheet steel, and in brass.
The pump is of brass throughout, simple and powerful.
The mixing device keeps the contents of the tank well stirred up from start to finish.
When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.
All parts are made to gauge, and may be had for repairs.
Ask your dealer about our **Extension Hose, Extension Rods,** and the **Mastin White-wash Nozzle** for Bordeaux mixture.

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This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

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MUSHROOMS

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Special rates will be made to the trade who wish to supply their customers.

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2-8 Duane Street, New York

Not genuine without it.

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

All *our* bags have our guarantee tag on the bag, reading "Satisfaction or Money Back," and this trade mark

$3.00 per bag 100 lbs.

It costs 15 cts. to thoroughly fumigate a house 100x25.

We sell direct to the grower.

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CHRYSANTHEMUM

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55 feet wide, 425 feet long Iron Rafter Construction. Ridge is 23 feet high, sides 6 feet. The southern side has a continuous row of solid ventilating sash below the sill, operated in 175 feet runs by our New Long Run Gear.
This house is one of half a dozen others we have erected for Mr. L. B. Coddington, Murray Hill, N. J., in the last few years. He has just ordered its twin, for erection this spring.
When you are ready to build, write us.

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MATERIAL
Cut and Spliced Ready for Erection
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GREENHOUSE
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LATEST UP-TO-DATE
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Everything for Erection
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VENT APPARATUS
Will Lift Easy 100 Feet

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IS THE ONLY PERFECT HOT WATER BOILER
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Prices and Catalogues on application
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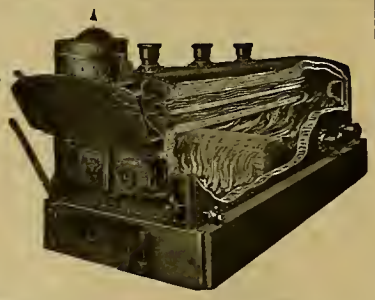

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Roller-bearing, self-oiling device automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.
Write for catalogue and prices before placing your orders elsewhere.
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Greenhouse Material
STRICTLY RED GULF CYPRESS, milled to any detail.
SASH BARS, in all lengths up to 32 feet.
HOT BED SASH, a specialty.
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That we manufacture Steam and Hot Water Boilers.
That we contract for and erect Heating Apparatus.
That we make a specialty of curing defective apparatus.
That our staff of Heating Engineers is reliable and competent
That our Mechanics—pipe fitters—boiler makers, etc., are all first-class.
That it will pay you to get our suggestions and estimates.

ESTABLISHED NEARLY 50 YEARS
JOHN A. SCOLLAY
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For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given
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N. COWEN'S SON,
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Please mention the Exchange when writing.

GREENHOUSE GLASS
ALL SIZES
16x24 A. & B. Double a Specialty
C. S. WEBER & CO.,
10 Desbrosses St., New York

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Sioux City, Ia.

Severe cold weather struck this town Tuesday, February 15, and the greenhouses were kept warm only by using plenty of coal. The coal situation here is something fierce, a load is very hard to get. Some growers pay as high as $3.50 a ton for common steam coal. The extreme scarcity of stock in the last couple of weeks, especially Roses, is off, for a while at least, and we find stock of all kinds plentiful, with the exception of American Beauty Roses. We find more calls for Carnations than any other flowers. St. Valentine's Day was a dandy day, for cut flowers especially. There was a great call for Violets, for which all the retail stores were not prepared. However, every florist had Violets, but the demand was so strong that by one o'clock there wasn't a Violet of any kind left. Even Sweet Peas, Tulips and red Roses were in demand, and everyone managed to have some on hand.

A pretty window display is to be seen daily at Rocklin & Lehman's florist store on Douglas st. The window is beautifully decorated with Beech sprays made into a canopy, in the center of which hangs a large bell made of Cape Flowers, and decorated with Japanese Air Plants. Pretty vases of cut flowers are arranged so as to attract a bunch of people, and you can always see a crowd in front of the window. This firm started two years ago, and are doing a very fine business.

There are four other florists in town, and all report doing very nicely.

It is reported that a local florist by the name of J. R. Elder, who has been for a good many years on Pierce st., finds his location too small and is going to move March 1 to Fifth st., about one block around the corner from his present location. He will have a much larger store for his increased business. M.

Fitchburg, Mass.

Business during the latter part of December and the month of January was excellent, but has fallen off somewhat during the first half of February. Carnations sell at prices ranging from 50c. to 75c. per dozen, while Violets sell well at 50c. per bunch of 50 blooms. There are four stores here and all have good locations. The population of Fitchburg is about 35,000.

C. E. Mansfield has the largest store in town, having some 60 ft. of window front, and he handles cut flowers, birds, fish and supplies. This store was the first retail flower store opened, and for the past ten years has been run by Mr. Mansfield. The greenhouses comprise some 8000 sq. ft. of glass and are grown to general mixed stock, which includes a little of everything, excepting Roses, Violets and Valley. Pink delivery boxes are used here, and large numbers of novelties for the children are given away at times as an advertising stunt.

C. W. Moeckel of the Summer St. Conservatories at Main and Summer sts., reports some good trade since the Christmas holidays, and is preparing for Easter business. He has about 12,000 sq. ft. of glass devoted to mixed stock. He has been in his present location for about eight years. Some nice landscape work was reported for the past season and orders for the coming Spring are on hand in satisfactory numbers.

Lewis Smith, 1 Cedar st. has one house from which he does some cut flower and funeral design work, and reports some good orders in this trade. During the Spring and Summer he does considerable landscape work.

W. H. Ritter, 70 Main st., is making some alterations to his store, and is placing a large mirror on one wall. Trade is reported as being fair. Mr. Ritter came here some seven years ago, from Allentown, Pa., where he was connected with A. B. Ellsworth for a number of years. He has about 6500 ft. of glass devoted to general stock.

Jos. Fuller of Leominster has a store at 201 Main st., which is in a good location for transient trade and handy to the larger department stores. The window display shows considerable taste in decoration. Mr. Fuller opened this store about seven years ago.

EASY.—Wife (making a desperate effort to convey a plain hint): "A tree, you know, gets new clothes every Spring."

Husband (too experienced to be caught): "Yes, dear; and it makes them all itself."

THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

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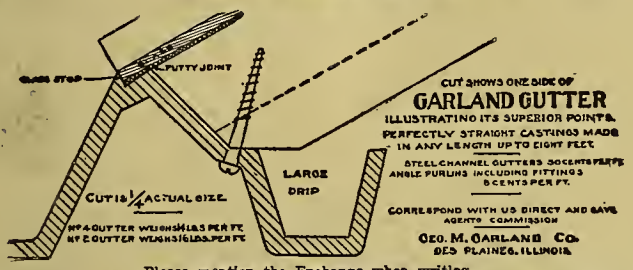

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DEMAND VERY HEAVY

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150,000 sq. ft. glass heated by steam from a central plant; the exhaust from pumps is passed through a condenser which heats 2-150 foot propagating houses with hot water.

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150,000 sq. ft. glass heated by steam from a central plant; the steam is passed through condensers and the hot water is forced through the houses with circulators.

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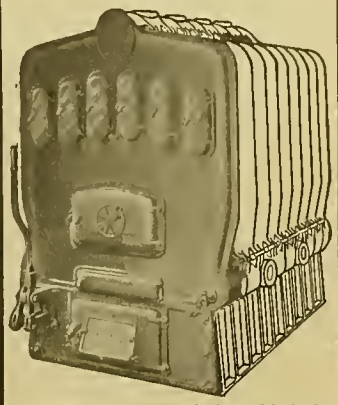
The Burnham



All working parts are on the front of the boiler—even the smoke box damper is operated by a rod at the front. No need to crawl around to the back of the boiler for anything.

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Dept. 77 Springfield, Mass.

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KEEP A

HOLLY STANDARD CIRCULATOR

busy and watch results.

SUB-TARGET GUN CO.,
STEAM ENGINEERING DEPARTMENT
216 High Street, BOSTON, MASS.

We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over Write for circulars and prices

The A. T. Stearns Lumber Co.
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HOW ABOUT THIS?
"The Best Houses we have and we erected them ourselves without any trouble."
The above is part of a letter from a Jersey customer.

KING IRON FRAME

EASIEST TO ERECT CASTS LESS SHADOW STANDS LIKE A ROCK

"ASK THE MAN WHO HAS ONE"

John Young Co., New York City, 54 by 561
Scott & Son, Sharon Hill, 5 houses, 25 by 166.
John N. May, Summit, N. J., Whole Range, 5-28-225.
E. W. Fengar, Irvington, N. J., 3 houses, 28 by 150.
G. F. Neipp, Chatham, N. J., 42 by 300.
C. E. Meehan, Holland, Pa., 40 by 300.
Florex Gardens, North Wales, 172 by 700.

KING CONSTRUCTION CO., North Tonawanda, N. Y.

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A New Catalog

WE have just issued a catalog of pipe and fittings for florists. It is the only catalog of the kind published, and you should by all means get a copy and keep it handy. It gives you complete lists of steam and hot water heating materials, steam traps, cast iron and wrought pipe, valves, hose bibbs, rubber hose, etc. Don't forget to send for this book, 100 pages of information.

A postal request will bring it

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We have stock in all grades, including the **"Best"** made of **Washington Red Cedar.** You will find the Cedar Sash superior even to the old-time White Pine Sash. Write for prices.

Hot-Bed Sash with doubled glass. Large air space between lights. You also can arrange your old hot-bed sash for it —30c. will pay for the necessary glass-seat-moulding.

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Are you going to build a **Sash Bar, Semi-Iron Frame** or **Iron Frame Greenhouse?** We have interested others in our methods of construction and in our prices—why not you?

ISAAC CASSIDY,
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AN IDEAL CURVILINEAR HOUSE

Why do we call it ideal? Simply because it combines in a thoroughly satisfactory way the three most important things absolutely necessary for a highly successful greenhouse—*lightness, durability* and *practicalness.*
These are the things you are sure of with the Sectional Iron Frame Construction. The other essential things you can surely be sure of, because L & B are sure—their reputation of fifty years insures you that.
Glad to send you other views and a full description of this house.

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Write to us about your
Materials and Plans
for any size and style of
GREENHOUSE
for new structure or repairs.

Hot-Bed Sash
in stock or any size required.

Pecky Cypress Benches
most lasting—least expensive.

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is what you will need when the dry, hot summer follows this long winter, and the best obtainable is a **Standard Pumping Engine** because it takes the water from the source of supply and puts it into the pipe line by *direct pressure.*
This is the simplest, most reliable and cheapest way of doing your watering.
Catalogue and more about it sent on request.

STANDARD PUMP & ENGINE CO.,
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Manufacturer of Floral Metal Designs
IMPORTER AND DEALER IN FLORISTS' SUPPLIES
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CONCRETE STEEL BENCHES

Why not build your benches of Concrete? By using our patented Steel Forms, it means simple and rapid construction, and you have a bench that will last until your grandchildren are ready to use them.
How about the cost? Cheaper than wood! We can prove it. Write us now

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For Good Serviceable **SECOND-HAND PIPE**
Our prices are—1 in. pipe, $2.52; 1¼-in., $3.56; 1½-in., $4.05; 2-in., $5.55; 2½-in., $8.50; 3-in. $11.00 per 100 feet. We also sell Boiler Tubes.
ALBERT & DAVIDSON, Brooklyn, N. Y.
Tel. 2225 Williamsburg 68-70 Troutman St

Please mention the Exchange when writing.

Holds Glass Firmly
See the Point of **PEERLESS**
FULL SIZE No. 2
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.

Please mention the Exchange when writing.

A St. Patrick's Day Window Decoration See page 428

NEXT WEEK An Easter Window

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 10 NEW YORK AND CHICAGO, MARCH 5, 1910 One Dollar Per Year

G. E. Stone
Hatch Expr Sta

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of the different varieties of

NEPHROLEPIS

which will be found one of the best-selling and most profitable plants that florists can handle. Our stock is in unusually fine shape, and we will guarantee it will please the most exacting, as it is exceptionally good value at the prices quoted.

Improved Elegantissima. The finest of all this type. It was introduced by us in 1905. This form of Elegantissima has been greatly improved, and shows no tendency to revert to the Boston, making it the most valuable fern of this type.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8-in., $12.00 to $18.00 per dozen—according to size.

Superbissima. Introduced by us in 1908. A very unique and distinct novelty. Its distinguishing characteristics are its dark green foliage and dense growth. Fronds are very heavily imbricated, making them very dense and compact.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8 in., $12.00 to $18.00 per dozen—according to size.

Bostoniensis, Piersoni, Whitmani, Scottii—Extra fine plants, 6-in. pots, $6.00 per dozen; 8-in. pans, $12.00 per dozen.

F. R. PIERSON CO. Tarrytown-on-Hudson New York

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

GRAFTED AND OWN ROOT ROSES

WHITE KILLARNEY (Waban Strain)

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.50 "	8.00 "	75.00 "

KILLARNEY

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

MY MARYLAND

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	6.00 "	50.00 "

RICHMOND, KAISERIN, BRIDES and 'MAIDS

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

NEW CARNATIONS

From 2¼-inch pots. Immediate Delivery.

Alma Ward, $3.00 per doz., $5.00 for 25, $10.00 for 50, $16.00 for 100.

Mrs. C. W. Ward, $2.00 per doz., $14.00 per 100.

CHRYSANTHEMUMS

For immediate delivery. **Mrs. W. E. Kelley, Gloria, President Taft, Patty, Merry Jane, Dolly Dimple.** From 2¼-in pots, **$10.00** per 100, **$90.00** per 1000.

We have a large stock of **Pacific Supreme** and **Golden Glow** ready for shipment from 2¼-in. pots, **$3.00** per 100, **$25.00** per 1000.

BEDDING PLANTS

Coleus, Salvia, Alternanthera, Heliotrope, Ageratum. Now ready.

Send for catalogue

Please mention the Exchange when writing.

SPLENDID NEW CROP OF

Asparagus Plumosus Nanus

EXTRA HEAVY STRINGS

50 cts. each

EXCEPTIONALLY FINE PLANTS OF

Asparagus Sprengeri

$35.00 per 1000

W. H. ELLIOTT

BRIGHTON, MASS.

Please mention the Exchange when writing.

FUCHSIAS

Special This Week

In 6 Varieties, from 2-in. pots, $2.00 per 100, $18.50 per 1000; from 3-in. pots, $3.00 per 100, $25.00 per 1000.

We have ready for immediate shipment:

	2-inch 100	2-inch 1000	3-inch 100
ALYSSUM, Dwarf and Giant Double	$2.00	$18.50	$3.00
COLEUS, Golden Bedder and Verschaffeltii.	2.00	18.50	3.00
GERMAN and PARLOR IVY	2.00	18.50	3.00
LANTANAS, 5 Varieties	2.00	18.50	3.00
PETUNIAS, Dreer's Single Superb	2.00	18.50	3.00
LOBELIA, Kathleen Mallard	2.00	18.50	3.00
PETUNIAS, Double	2.00	18.50	3.00
LEMON VERBENAS	2.00	18.50	3.00
VERBENAS, Red, White, Pink and Purple	2.00	18.50	
HARDY CHRYSANTHEMUMS	2.00	18.50	
GERANIUMS, Standard Varieties	2.00	18.50	3.00
GERANIUMS, Apple-Scented	200		

DAHLIAS and CANNA ROOTS: We are booking orders for next season; send for list for future and immediate shipment.

Cash With Order. Visitors Always Welcome.

COWENTON, B. & O. R. R. CHASE, PENN. R. R.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MARYLAND

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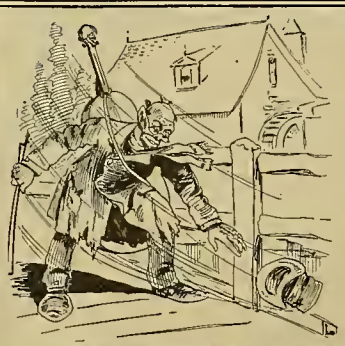

Ides of March Are Here

BEGONIAS

Single, separate colors..100..$2.50
Double, separate colors.100.. 4.00

GLOXINIAS. Heavy bulbs, separate colors .....100.. 3.50

TUBEROSES, 4 to 6, plump tubers .....1000.. 8.00

CALADIUMS, medium heavy... ..... 100.. 8.00

COMMERCIAL SWEET PEAS (Orchid-Flowered Varieties)

	¼ lb.	Lb.
Countess Spencer (true). A lovely clear pink	$0.25	$1.00
Gladys Unwin. Charming pale rose-pink	.20	.50
Nora Unwin. A magnificent white	.15	.50
Salopian. Splendid brilliant scarlet, best of all	.10	.25
STANDARD VARIETIES		
Blanche Ferry. Pink and white	.10	.25
Dorothy Eckford. The finest standard white	.10	.35
Earliest of All. Re-Selected. Same color as Blanche Ferry, but a week earlier than the extra early type, fine for forcing	.10	.30
Emily Henderson. Purest white	.10	.20
Katherine Tracy. Brilliant pink	.10	.25
King Edward VII. Rich, deep crimson scarlet	.20	.75
Lady Grisel Hamilton. Pale lavender	.10	.40
Lovely. Shell pink, extra fine	.10	.25
Mont Blanc. An early-flowering white, for forcing	.15	.40
Othello. Dark chocolate red	.10	.25
Prima Donna. Deep pink, fine	.10	.25

WM. ELLIOTT & SONS
42 Vesey St., NEW YORK

Please mention the Exchange when writing.

K. van Bourgondiën & Sons
HILLEGOM—HOLLAND

Extra Dutch Bulbs Extra

We beg to inform the Trade, that our Messrs. K. H. and C. J. van Bourgondiën have again arrived for their annual trips through the United States and Canada.

It will be of the greatest advantage to every firm needing **A1 Bulbs** to correspond with us and give us a trial. Our many years of successful business in the United States, which every year has increased, clearly proves enough. Address until May 1, 1910

K. H. van Bourgondiën, Care MALTUS & WARE, 14 Stone St, NEW YORK

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C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

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Thorburn's Bulls

LILY OF THE VALLEY PIPS
COLD STORAGE

Our usual high grade quality.
Price on Application.

J. M. THORBURN & CO., 33 Barclay St. New York

Please mention the Exchange when writing

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing

Try The Following

CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
PANSY—"Burnett's Gorgeous Strain."
STOCKS—"Burnett's Perpetual White."
CAULIFLOWER—Burnett's Selected "Snowball."

Write for our Illustrated Catalogue

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Stock Seed
Fiske's Branching in all colors. Tr. pkt. 40c., oz. $4.00.
Pure White, tr. pkt. 50c., oz. $5.00.
Also **Beauty of Nice** strains.
H. E. FISKE SEED CO., Boston, Mass.

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F. E. Best Advertising Medium—Alive and Up-to-date

Special Gladiolus Offer

AMERICA

A few points of merit—Color: A beautiful soft flesh pink, very light and much like "Enchantress" Carnation, except slightly tinged with lavender. Size: growth very strong and healthy, producing beautiful dark green foliage, and strong, erect spikes of the largest flowers. Purposes: For florists' use its color makes it everything to be desired; delicate, attractive and absolutely new. It is most desirable for planting in beds in parks, private estates, etc.

America. The best commercial pink in existence. 1st size bulbs, 100, $4; 1000, $30; 5000, $125.

Attraction. Deep, dark, rich crimson with a very conspicuous large pure white center and throat. At once a most beautiful and attractive sort. 100, $4.00; 1000, $35.00.

Augusta. Lovely pure white with blue anthers. 1½ to 2½ inches. 100, $2.25; 1000, $20; 5000, $90.

Blue Jay (Baron Hulot). The finest blue Gladiolus yet seen. It is a rich deep color of indigo shade. The only real blue Gladiolus on the market. 100, $9.00; 1000, $75.00.

Breachleyensis. Extra fine red variety. 1½ to 2½ inches. 100, $1.50; 1000, $12.00; 5000 $55.00.

Columbia. Light orange scarlet, freely blotched and penciled with bluish-purple. Throat freely mottled. 100, $2.00; 1000, $15.00; 5000, $70.00.

Ceres. Pure white, spotted with purplish rose. 100, $1.50; 1000, $12.00; 5000, $55.00.

May. A lovely pure white flower, finely flaked, bright rosy crimson. 100, $2; 1000, $15; 5000 $70.

Nezinscott. Bright blood scarlet, with deep velvety crimson black blotches, and white mottlings in throat. 100, $4.00; 1000, $30.00; 5000, $145.00.

Princeps. Rich crimson with very deep shadings in the throat and broad blotches on lower petals. 100, $10.00.

Salem. Fine salmon-pink, maroon blotches. 100, $6.00; 1000, $40.00.

Sulphur King. The finest yellow Gladiolus. 100, $15.00; 1000, $140.00.

Gladiolus America

GLADIOLUS IN MIXTURE

	100	1000	5000
Trial Grounds Mixture	$1.50	$10.00	$45.00
Groff's Hybrids Mixture	1.50	12.00	58.00
White and Light Mixture	1.50	12.00	58.00
Pink and Rose Mixture	1.50	12.00	58.00
Red and Scarlet Mixture	1.50	12.00	58.00
Lemoine's Extra Fine Mixture	1.00	10.00	45.00
American Hybrids Mixture	1.00	8.00	35.00
Childsii Mixture	1.50	12.00	58.00

Stumpp & Walter Co. 50 Barclay St. New York

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SHAMROCK

IRISH! THE REAL THING!! GREEN!!!

Very fine and strong, ready for immediate shipment, perfect beauties; $3.00 per 100; 50c. per doz., postpaid.

XXX STOCK

LOBELIA Mallard, the new double blue, XXX fine, $2.00 per 100.

ROSE GERANIUMS, strong, 3-in., $3.00 per 100.

ROSE GERANIUMS, new red-flowering, extra fine and showy; strong plants, 3-in., 50c. per dozen.

VERBENA California Giant, strong and fine, mixed colors, 2-in., $1.50 per 100.

HELIOTROPE, dark, extra strong and bushy, 2½-in., $3.00 per 100.

NASTURTIUMS, Double, extra fine, 3-in., 50c. per doz.

XXX SEEDS

ALYSSUM Compactum, most dwarf and compact variety grown, perfect balls when grown in pots, pkt. 20c.

PETUNIA Star, improved, finest marked flowers, very fine, pkt. 20c.

PHLOX Drum. Pumila, very dwarf, grand for pots, fine colors, pkt. 20c.

COLEUS, New Hybrids, finest colors, pkt. 20c.

GIANT PANSY, finest grown, critically selected 6000 seeds $1.00, ½ pkt. 50c., oz. $2.50.

CHINESE PRIMROSE, finest grown, single and double, 500 seeds $1.00, ½ pkt. 50c.

PRIMULA Kewensis, the grand, new, sweet-scented, Yellow Primrose, pkt. 20c.

SALVIA Bonfire, very fine, dwarf, fiery red, extra, trade pkt. 25c.

VERBENA, Improved Mammoth, finest giants grown, mixed or separate of white, scarlet, pink, striped and Auricula-eyed, large trade pkt. 25c.

CINERARIA, large flowering dwarf mixed, 1000 seeds 50c., ½ pkt. 25c.

CASH. Liberal extra count.

JOHN F. RUPP, Shiremanstown, Pa.
RUPPTON: The Home of Primroses

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HOLMES' SEEDS . .

Our illustrated catalog will tell you all about the BEST TESTED SEEDS for the PRIVATE or MARKET GARDENER. We make a specialty of supplying seeds for the most critical trade. Send for our catalog at once and send us your list for special quotations.

HOLMES SEED CO.
Harrisburg, Pa.

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NEW CROP
Flower and Vegetable Seeds
FOR FORCING

Lobelia Crystal Palace Compacta. Salvia Splendens and Bonfire. Centaurea Gymnocarpa. Begonia Vernon. Cobaea Scandens. Dracaena Indivisa. Mignonette, New York Market. Primula Chinensis. Schizanthus Wisetonensis.

Tomato "The Don." Onion "Alice Craig."

Mushroom Spawn, English and Pure Culture.

Special prices on application.

WEEBER & DON, Seed Merchants & Growers 114 Chambers St., N. Y

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CAULIFLOWER SEED
CABBAGE SEED
MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR, HARTMANN & CO.
COPENHAGEN, DENMARK

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Do You Need

Cycas Stems

(Sago Palm)

TRUE LONG-LEAVED VARIETY

Pounds	Per pound
10	10c.
25	8c.
100	7½c.
300 (case)	$17.00

Stems are graded in cases, as follows: ½ lb. to 2 lbs.; 2 lbs. to 5 lbs.; 5 lbs. to 10 lbs.

TUBEROUS BEGONIAS

LARGE PLUMP BULBS FROM A PRIZE STRAIN

	Doz.	100	1000
SINGLE MIXED	$0.35	$2.00	$18.00
SINGLE SEPARATE COLORS	.40	2.25	20.00
DOUBLE MIXED	.50	3.50	33.00

GIANT GLOXINIAS

	Doz.	100	1000
CHOICE MIXED	$0.50	$3.25	$30.00
SEPARATE COLORS	.60	3.50	

See our Bulb offer in last issue.

JOHNSON SEED COMPANY

217 Market St., Philadelphia, Pa.

Please mention the Exchange when writing.

Seasonable Seeds

CALADIUM esculentum, Fancy Caladium from Brazil. GLADIOLI, all sorts. Japan IRIS. Japan LILIES. Double-flowering CHERRIES for Easter. Send for our new Spring list. Ready by January 10.

H. H. BERGER & CO.

70 Warren St., New York City

Please mention the Exchange when writing.

Not Too Late

TO PLANT

GLADIOLI

FOR FORCING

Booklet containing suggestions on *Forcing Gladioli* free on request

John Lewis Childs

Floral Park, N. Y.

Please mention the Exchange when writing.

Gladioli

Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck, Pactole, white and light yellow and orange and Mixtures.

LILIES, IRIS, MADEIRA VINES, CINNAMON VINES and other bulbs for Spring planting.

Send for prices.

E. S. MILLER

WADING RIVER, LONG ISLAND, N. Y.

Please mention the Exchange when writing.

60,000 GLADIOLUS BULBS

¾ to 1¼ at $2.00 per 1000, 1¼ to 1½, $4.00 per 1000, 1½ and up, $5.00 per 1000. Mixed Colors Gandavensis and Lemoine. All kinds of Vegetable Plants. Contract growers of Tomato and Pepper Seed, and Asparagus Roots.

I. & J. L. LEONARD, Iona, N. J.

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F. E.—Best Advertising Medium

Gladiolus Bulbs in Mixture

First size $15.00 per 1000; second size $10.00 per 1000; third size $8.00 per 1000; fourth size (good planting stock) $5.00 per 1000. This is one of the finest mixtures ever offered.

FRANK BANNING, Kinsman, Ohio

Originator of America and Niagara

Please mention the Exchange when writing

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON

ATCO, N. J.

Please mention the Exchange when writing.

DAHLIAS

Charles Clayton is my best introduction; for brilliancy, form and stem, this new Cactus leads them all. Other superb Novelties are: Mrs. W. K. Jewett, Maoiton, Princess Yetive, Corona, Olive Tracy. These with other fine varieties were awarded a Bronze Medal at the Alaska-Yukon Exposition, last season. Select list of Standard Dahlias; and Field-Grown Hollyhocks, both Double and Allegheny. Catalogue on application.

W. W. WILMORE, P. O. Box 382, Denver, Col.

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Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $15.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS

Williamstown Junction, N. J.

Please mention the Exchange when writing

Florists' Dahlias

A good assortment of Dahlias for Florists, at prices that will surprise you for undivided field clumps.

J. MURRAY BASSETT, Packard St. Hammonton, N. J.

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DAHLIA POLES

2 to 6 Feet Long

POINTED HARDWOOD STICKS; Green and Plain, 5, 12 and 18 inches long.

BLUNT END SOFTWOOD STICKS; for stemming, Green and Plain, 6, 12 and 18 ins. long.

HUGO L. GROTE, 1123 Broadway New York

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WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

GET QUOTATIONS FROM

LANDRETH SEEDS which SUCCEED

Bloomsdale Farms Bristol, Pa.

Please mention the Exchange when writing.

Surplus Peas and Beans

18 Bush. Peas, Telephone; Crop 1908.
4 Bush. Beans, Golden Wax; Crop 1908.
2 Bush. Beans, Wardwell's Kidney Wax; Crop 1908.
4 Bush. Beans, Refugee, or 1000 to 1; Crop 1908.
2 Bush. Beans, Wardwell's Kidney Wax; Crop 1909.
6 Bush. Beans, Detroit Wax; Crop 1909.
2 Bush. Beans, Ex. Ty Rd. Pod Red Valentine; Crop 1909.
2 Bush. Beans, Refugee, or 1000 to 1; Crop 1909.
2 Bush. Beans, Burpee's Bush Limas; Crop 1909.

A. V. D. SNYDER, Seedsman, RIDGEWOOD, N. J.

Please mention the Exchange when writing.

AMERICAN SEED TRADE ASSOCIATION

President J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec. Leonard H. Vaughan, Chicago.

IMPORTS, ETC.—Feb. 23, 1910. D. S. Hesse & Bros., 5 packages plants, etc. Feb. 24.—Funch, Edye & Co., 9 packages seeds; Snow's U. S. Sample Ex. Co., 1 case seed. Feb. 25.—P. Henderson & Co., 35 packages seeds. Feb. 26-27.—M. Herman & Co., 3 bags seeds.

European Notes

There is a terribly painful monotony in our business life at present which would be somewhat humorous if it were not for the serious consequences which must sooner or later supervene.

The land is thoroughly sodden, and the valuable properties of our Autumn cartings of manure have run into the watercourses instead of enriching the soil. Except in a very few highly favored spots Spring sowings have not been possible as yet, and on the strong heavy lands where the Broad Beans are usually grown the plow has not been seen. This crop, while it is lightly esteemed on your side is of the utmost importance in Europe, as it is one of our most palatable and nutritious vegetables in the young state, and the dry beans are ground into a most valuable meal. Unfortunately, the plant is subject to the attacks of the dolphin or grey aphis in very hot weather, consequently it is necessary to sow the stock seed sufficiently early for the grain to be fairly well developed before these destructive bloodsuckers arrive, otherwise the beans will be almost worthless and the crop extremely small. At present, to the knowledge of the writer, not one bean has been sown.

The hardy varieties of Spinach and Cress are in the same predicament, and as these cultures are only accepted by the seed farmers because they are quickly off the ground and the land at liberty for another crop it is easy to understand the cancellation of early contracts and the return of the stock seed. This is where the joke does not come in.

The urgent requests from our friends on your side for the despatch of their goods are perfectly reasonable, and it is no doubt difficult for them to understand why the goods are not forthcoming, but the efforts we have made to comply with their requests, so far as our crops of Cabbage and Radish are concerned, have involved both ourselves and our growers in very serious losses. In the few fine days in September last every plant that

"Horseshoe Brand" Products

"NOT HOW CHEAP — BUT HOW GOOD"

Isn't it worth something just to know that you have bought the best brand of Lily Bulbs that can be procured? Doesn't it rather ease your mind to know that you have potted up bulbs that come from the very best fields in Japan? Don't you think it is better to pay a little more and buy Horseshoe Brand Giganteum for Easter, 1911, than to buy some other brand of doubtful origin?

Horseshoe Brand Giganteum are positively produced from the very choicest seed-bulbs in the world; and are properly planted and cultivated. If they cannot satisfy you nothing can. Write or call.

RALPH M. WARD & CO.

21 West Broadway—New York

could be harvested was securely stacked, in the hope that the drying winds of October would complete the work of ripening, and a dry fortnight in November would enable the threshing to be safely done; but the aforesaid winds and drying spell have not materialized and the threshings which have been attempted between the rains have resulted in spoiling the seed, for while at the time of threshing it may appear to be dry, two or three days in sacks are sufficient to set it almost on fire, and then no amount of drying and dressing will render it salable. A large crop of a valuable new variety of Radish sowed near Paris has just been condemned and the English growers are equally unfortunate. Stacks that have not as yet been opened had better be left untouched until April, by which time we live in hopes the floods and rains will have ceased.

The value of vigor of constitution is being demonstrated in the threshings of Mangel Wurzel which are made between the showers. Delicate varieties like Golden Tankard fall far short of our lowest estimates, while the Giant long red is fully 10 per cent. better than we ever expected. The surplus is not likely to go-a-begging long.

EUROPEAN SEEDS.

American Notes

A Busy Week

The past week has been a very busy one with the seedsmen. It is always so just as soon as we pass Washington's Birthday, seed selling then commences in real earnest. Every line of the business would seem to be showing an increase over last year, and night work is now in full swing with all. This is one of the years when such small deliveries are being made by the growers, on so many seeds, that on all sides much fault finding is being heard. Of course, it is only human nature to hate to deliver any seed at a small part of its present market value, and no doubt there is considerable truth in the claim that some deliveries have been unduly cut down; but as a whole it is only common justice to say that our seed growers carry out their contracts to the letter and deliver every seed produced pro rata among their customers. Seed contracting under our present system works very nicely in a season of average seed crops; but in a year of extremes, whether the returns are very great surpluses, or crop failures, much dissatisfaction is at once very apparent with both grower and dealer. In a year of enormous seed crop surpluses, the grower fills his contracts to the fullest limit for a customer who does not really need all the goods, but takes them because he has agreed to do so. On the other hand, in a season of universal seed crop failures, the seedsman insists that the seed grower give up every seed he has harvested—the two extremes. Let us hope that in the near future a method of seed contracting may be devised, the results of which will be more satisfactory to all concerned.

Gladioli Popularity

It is only a few years since the annual sales of these bulbs, with any seedsman, were very insignificant as compared with what has been accomplished in their distribution, during the last few seasons especially. The Gladioli are now not by any means the side-issue they used to be in the list of Spring bulbs, but one of the best selling items of the entire list. One of our most noted specialists in growing and supplying these bulbs to the trade expressed the opinion to the writer a few days since, that large as the sales of the bulbs were last season a very material increase in this direction will be noted in the future. That the Gladiolus is coming into its own with flower-loving people there is no doubt, for this flower certainly has qualities well calculated to make every garden maker enthusiastic about it. The many superior named varieties make fast seling specialties, while of course the various priced mixtures can be disposed of in very large quantities. Every dealer who goes into Spring bulbs at all, should not neglect to carry a generous supply of these bulbs in the better class of mixtures, which can now be so reasonably purchased that they can be offered at popular prices.

The Summer Cypress

There would seem to be increasing interest manifested each returning season in this old-fashioned annual. This plant — Kochia trichophylla — is also known as Mock Cypress, Mexican Fire Plant, etc. The writer has had many

New Double Lobelia

"KATHLEEN MALLARD"

We can furnish excellent plants of this splendid novelty in 2½-inch pots, at $6.00 per 100, or $50.00 per 1000.

RAWSON'S LEADING ASTERS

QUEEN OF THE MARKET ASTER

This is the best early out-of-door Aster. In colors as follows: Dark Blue, Light Blue, White, Rose, Peach Blossom, Crimson, per ¼ oz., 20c.; per oz., 60c. All colors mixed, per ¼ oz., 15c.; per oz., 50c.

RAWSON'S NEW MIDSUMMER ASTER

This is one of the best Asters for Midsummer or late crop and we recommend it highly. Flowers are large and are borne on erect long stems, often 2 feet in length. We offer the following colors: Pure White, Delicate Shell-Pink, Royal Purple, True Lavender, and Bright Rose, per ¼ oz., 60c.; per oz., $2.00. All colors mixed, per ¼ oz., 50c.; per oz., $1.50.

RAWSON'S LATE BRANCHING ASTER

This is the best American Branching Aster grown to-day. It is a late cropper and a money-maker. Flowers grown from our seed invariably bring from ½ to 1c. a flower more in the wholesale market than other similar strains. We can furnish the following separate colors: Crimson, Dark Blue, Light Blue, Rose Pink, Shell-Pink, Scarlet, and White, per ¼ oz., 30c.; per oz., $1.00. All colors mixed, per ¼ oz., 25c.; per oz., 75c.

We have many other good strains of Asters and specialties for Florists all described in our special catalogue to florists (mailed free).

W. W. RAWSON & CO., SEEDSMEN BOSTON, MASS.

Please mention the Exchange when writing.

ASTER SEED
SMITH'S PEERLESS
Also a good line of the Late Branching Type for Florists and Market Gardeners.
Catalogue Free.
ELMER D. SMITH & CO.
ADRIAN, MICH.

Please mention the Exchange when writing.

Famous Aster Lady Roosevelt
Gorgeous Pink, 20 to 40 inch stems, scientifically grown and separated seed. Reduced prices while the stock lasts, order today: ⅛ oz. 40c., ¼ oz. 75c., ½ oz. $1.50, 1 oz. $2.50.
Aster Seed in mixture, best colors, and ¼ Roosevelt. Oz. $1.00.
GLEN MAWR SEED FARMS Kinzers, Pa.

Please mention the Exchange when writing.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.

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ONION SEED==ONION SETS
We are large growers of and dealers in Onion Seed and Onion Sets.
Write for prices on 1909 crop.
Can also quote contract prices for the 1910 Onion Seed crop.
SCHILDER BROS., Chillicothe, O.

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EVERY FLORIST WHO GROWS ASTERS
Should Send for Our Aster Book Immediately
Get your name on our files for our regular Florists' Wholesale Catalogue. These books are free.
JAMES VICK'S SONS
ROCHESTER, N. Y.
Mention this paper

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SCHLEGEL & FOTTLER CO.
BOSTON, MASS.
SEEDS
For Florists, Market Gardeners and Critical Buyers
Wholesale list mailed to those using seeds in quantity

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FRESH TESTED
VEGETABLE AND FLOWER SEEDS for Store Trade
In lithographed packets, with directions for cultivation on the reverse side of the packet.
Send for list of varieties and prices.
GOELLER BROS., Seedsmen, 159 HAMILTON AVE., TRENTON, N. J.

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BURPEE'S SEEDS
PHILADELPHIA
Blue List of Wholesale Prices mailed only to those who plant for profit.

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J. BOLGIANO & SON
WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS
BALTIMORE, MD.

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CABBAGE
Wakefield and Succession, $1.50 per 1000.
BEET Plants, $1.25 per 1000.
PARSLEY, 25c. per 100, $1.25 per 1000.
LETTUCE, Big Boston, Boston Market and Grand Rapids, $1.00 per 1000.
Cash with order.
R. Vincent, Jr. & Sons Co., White Marsh, Md.

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FRESH MUSHROOM SPAWN
ENGLISH AND AMERICAN
VAUGHAN'S SEED STORE
CHICAGO 84 Randolph Street
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Watch for our Trade Mark stamped on every brick of Lambert's
Pure Culture Mushroom Spawn
Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address
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Trade Mark American Spawn Co., St. Paul, Minn.

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SEEDS Best that grow. We sell direct to gardeners and florists at wholesale. Big beautiful catalogue free. Write today.
ARCHIAS' SEED STORE, Box 51, SEDALIA, MO.

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CANNAS
Our own home-grown stock is true to name. Extra Selected, plump, sound, 2, 3, 4-eyed roots.

	Per 100		Per 100
Austria	$1.20	Louisiana	$1.50
Allemania	1.20	Mad. Crozy	2.00
Alba Rosea	1.20	Metallica	1.20
Alph. Bouvier	1.50	M. Washington	2.25
Aleace, white	1.50	Mont Blanc	4.50
Beaute Poitevine	1.75	Musaefolia, new	1.50
Buttercup, new	1.50	Mrs. K. Gray	1.50
Burbank	1.20	Niagara	2.50
Black Prince	1.80	Papa Nardy	2.00
Black Beauty	2.50	Pennsylvania	1.50
Brandywine	2.00	Premier, gold ed	1.75
Coronet	1.20	Pres. Meyers	2.00
Chas. Henderson	1.50	Queen Charlotte	2.25
Crimson Bedder	2.00	Richard Wallace	2.50
D. of Marlboro'	2.00	Robusta, red	1.50
Duke of York	2.00	So. d'A. Crozy	2.25
Expl. Crampbel	1.50	Shenandoah	1.75
Egandale	1.50	Sec. Chabanoe	2.00
Express, dwarf	2.00	Venus, new	3.00
Flor. Vaughan	1.80	Wm. Saunders, new	10.00
Gladiator, new	2.25	West Grove	1.80
Gladiflora new	10.00	Wm. Boffinger	1.50
Italia	1.75	Sep. colors mix.	1.00
King Humbert	4.50	All kinds mxd.	.70
Louise, pink	1.80		

For Caladium, Gladiolus, Tuberoses, etc. Ask for special price.
SHELLROAD GREENHOUSES, Grange, Baltimore, Md

Please mention the Exchange when writing.

Started Cannas At $2.00 per 100
Austria, Chas. Henderson, Mme. Beret, Allemania, Cinnabar, Red Indian, Pennsylvania, Beaute Poitevine, Egandale, Robusta, Florence Vaughan and A. Bouvier.
J. B. SHURTLEFF & SON
Revere, Mass.

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The Florists' Exchange is exclusively a Trade Paper. Prices at which stock is offered in these columns are intended for the Trade only.

CANNAS AND DAHLIAS

25 of the best named Cannas, 2 to 3 eye divisions; $1.00 to $2.00 per 100.

Heavy field-grown Dahlias, divided roots, 80 best named sorts of Cactus, Show, Decorative and Single; $4.00 to $5.00 per 100.

Write for List.

FLORENCE NURSERY
FLORENCE, S. C.

Please mention the Exchange when writing.

inquiries regarding it lately. It is very easily grown from seed, and forms an oval bush two to three feet in height, which is densely clothed with feathery light green foliage, deepening in color as the Summer advances until the whole plant assumes a fiery crimson hue. As a specialty it will be found a very good seller, as it has been advertised to quite an extent and is consequently pretty well known. V.

New York Seed Trade

The stormy weather of the first part of the week temporarily interfered with the retail counter trade, which had begun to be very brisk. The mail trade has been heavy. All the houses are working nights, trying to keep the orders from getting too far ahead, at this early date. Every sign points to a splendid season of seed selling.

Henry Nungesser, president of Henry Nungesser & Co., who has been laid up with a sprained ankle for the past few weeks, is now recuperating at the Marlborough-Blenheim Hotel at Atlantic City; from last reports he is improving rapidly, so that he is expected to be back at his desk in the very near future.

Walter E. Cook, who for several years past has been with J. M. Thorburn & Co., is now with Vaughan's Seed Store. Mr. Cook will travel in the eastern territory.

The Stumpp & Walter Co. are meeting with very large sales of their lithographed packets of vegetable seeds, which they supply at $2.50 per hundred.

J. M. Thorburn & Co. have very attractive window displays at their Barclay street store.

L. W. Wheeler, who for many years was the manager of Vaughan's Seed Store in this city, and for the past three seasons identified with California seed growing interests, has become the secretary of the new Pieters-Wheeler Seed Co. Articles of incorporation have been filed with the Secretary of the State of California, for the incorporation of this new company, which will take over the seed growing interests of A. J. Pieters. The stock was subscribed in its entirety by A. J. Pieters, president of the new company; H. M. Pieters, vice-president; and Mr. Wheeler. Mr. Wheeler's many friends in this city wish him every possible success in his new venture.

At Boddington's, great activity is very manifest. Sweet Peas are meeting with larger sales by far than in previous years. The special offers of Cannas and Roses made by the house are also bringing many orders, and it is not strange, as quality and prices are both all that can be desired.

Wm. Elliott & Sons are very busy getting things in shape for opening the auction season. The first sale of the Spring will take place March 15, when some fifteen cases of Roses and conifers will be offered. The lists giving details will soon be mailed.

The demise of James J. H. Gregory of Marblehead, Mass., came as a shock to the seedsmen of this city, a great many of whom have been life-long friends of the deceased.

Burnett Brothers have been receiving many large orders for nursery stock.

Those seedsmen who handle plants, expect, and are arranging for a large sale of the same at Easter.

Western Seed Trade

In Chicago, and the West generally, the seed trade is somewhat busier than usual at this time of the year, especially considering the wintery weather we have been experiencing. As is well known, many items are scarce, and there is a general tendency to higher prices all around.

In some items, Sweet Corn for instance, buyers begin to realize that it will not be so much a question with them of getting sorts with a given name to come in at a particular season, early, medium or late, but rather of getting good sorts of fair germinating qualities that will cover these several seasons.

The conditions are well set forth in the information from Omaha, which seems to be authentic, and is to the effect that seed Corn, generally, in Nebraska will not germinate quite an average of 33 1-3 per cent. This, of course, is disquieting news, but it has been looked for in several quarters because of the knowledge that many crops were affected by frost in the fields.

Market gardening is booming everywhere. The orders are largely in excess of those of a year ago at this time and good prices are being paid without hesitancy, when it is felt that the stocks offered are suitable and reliable. The other day it was heard that several varieties of Cabbage were being sold at something like 50 per cent. above what is usually asked for them. Of course, it is well known that many articles are in short supply and show inferior germination this season.

Onion sets are moving rapidly, and at the moment are slightly lower in price than they have been. This is no doubt due to the fact that some holders who have stocks of rather poor quality are finding that they are not keeping well with them. It is more than likely that as soon as these inferior grades have been distributed prices for standard goods will harden materially. This is

Orchid-Flowered Sweet Peas

DREER'S SWEET PEAS

We give below a short list of the best kinds for Florists use. For complete list see our Wholesale Catalogue.

Orchid-flowered Varieties

	¼ lb.	Lb.
Countess Spencer (true). A lovely clear pink	$0.30	$1.00
Florence M. Spencer. Delicate blush with pink margin	.30	1.00
Frank Dolby. Largest pale lavender	.30	1.00
Gladys Unwin. Charming pale rose-pink	.10	.35
George Herbert. Rich rose carmine	.30	1.00
Mrs. Alfred Watkins. Superb pale pink	.15	.60
Nora Unwin. A magnificent white	.15	.50
Primrose Spencer. Primrose or creamy yellow	.16	.60
White Spencer. A pure white Countess Spencer of very large size	.15	.60

Standard Varieties

Blanche Ferry. Pink and white	.10	.20
Dorothy Eckford. The finest standard white	.10	.25
Earliest of All. Re-Selected. Same color as Blanche Ferry, but a week earlier than the extra early type, fine for forcing	.15	.50
Emily Henderson. Purest white	.10	.20
Horn Norton. The clearest and most pronounced bright blue	.10	.30
Hon. Mrs. E. Kenyon. The finest primrose yellow yet introduced	.10	.25
Janet Scott. A large and bright pink	.10	.25
Katherine Tracy. Brilliant pink	.10	.25
King Edward VII. Rich, deep crimson scarlet	.10	.25
Lady Grisel Hamilton. Pale lavender	.10	.25
Lord Nelson. Improvement on Navy Blue Color, rich navy blue	.10	.30
Lovely. Shell pink, extra fine	.10	.25
Miss Willmott. Rich, deep orange pink	.10	.25
Mont Blanc. An early-flowering white, for forcing	.10	.35
Mrs. George Higginson, Jr. Clear azure blue	.10	.25
Mrs. Walter Wright. Deep mauve	.10	.35
Othello. Dark chocolate red	.10	.25
Prima Donna. Deep pink, fine	.10	.25
Prince of Wales. Deep rose	.10	.25
Salopian. Rich deep scarlet	.10	.25

HENRY A. DREER, Seeds, Plants and Bulbs **Philadelphia**

Please mention the Exchange when writing.

CANNAS

KING HUMBERT, CHAS. HENDERSON, EX. CRAMPBELL, MAD. CROZY, ALPHONSE BOUVIER, MLLE. BERAT, FLORENCE VAUGHAN, SOUV. DE ANTOINE CROZY.

Write for special prices, stating quantity wanted.

FRESH TOBACCO STEMS. Bale of 300 lbs. $1.75; Ton $9.00.

W. C. BECKERT
SEEDSMAN
103 Federal St., N. S., Pittsburg

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CANNAS

F. O. B. New York or Chicago For Immediate Delivery

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business. **Stock Unequalled.**

RED-FLOWERING CANNAS

	100	1000
Louisiana, height 7 ft.	$1.75	$15.00
A. Bouvier, 5 ft.	1.50	14.00
Beaute Poitevine, 3½ ft.	2.00	17.50
Black Prince, 3 to 4 ft.	2.25	20.00
Chas. Henderson, 4 ft.	1.75	15.00
J. D. Eisele, 5 ft.	1.75	15.00
Exp. Crampbell, 5½ ft.	1.50	14.00
Pres. McKinley, 2½ to 3 ft.	1.50	14.00

RED, GOLD-EDGED AND SPOTTED SHADES

Gladiator, 4 ft.	2.75	25.00
Cinnabar, 4½ ft.	1.75	15.00
Indian, 3 to 4 ft.	1.75	15.00
Queen Charlotte, 3½ ft.	2.25	20.00
Mad. Crozy, 5½ ft.	2.25	20.00
Premier, 2½ ft.	2.00	17.50
S. de A. Crozy	2.75	25.00

PINK SHADES

Louise, 5 ft.	2.00	17.50
Mlle. Berat, 4½ ft.	1.75	15.00

YELLOW SHADES

	100	1000
C. de Bouchard, 4½ ft.	$2.00	$17.50
Florence Vaughan, 6 ft.	2.50	20.00
L. E. Bailey, 4½ ft.	2.75	25.00
Richard Wallace, 4½ ft.	2.75	25.00

WHITE AND CREAM SHADES

Alsace, 3½ ft.	1.75	15.00

BRONZE-LEAVED, FLOWERING CANNAS

Brandywine, 4 to 6 ft.	2.00	17.50
Black Beauty, 6 ft.	2.75	25.00
Egandale, 4 ft.	1.50	14.00
King Humbert, 4 ft.	3.25	30.00
Musifolia, 6 ft.	2.75	25.00
Pillar of Fire, 6 to 7 ft.	2.25	20.00
Shenandoah, 6 ft.	1.75	15.00

ORCHID-FLOWERING CANNAS

Austria, 5 ft.	1.25	12.00
Italia, 4½ ft.	1.75	15.00
Kronos, 6 ft.	1.75	15.00
Mrs. Kate Gray, 6 ft.	1.75	15.00
Pennsylvania, 6 ft.	1.75	15.00
Wyoming, 7 ft.	2.75	25.00

Our Cannas are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at 1000 rate. It is cheaper for you to buy a box than 200 at 100 rate.

Chicago and Western Agents for Our Cannas **Winterson's Seed Store**
45-47-49 Wabash Ave., CHICAGO, ILL.

ARTHUR T. BODDINGTON
SEEDSMAN
342 West 14th Street, NEW YORK CITY, N. Y.

Please mention the Exchange when writing.

THE AMERICAN CARNATION Price, $3.50 Send for Sample Pages

A. T. DE LA MARE PRINTING & PUBLISHING CO. Ltd. 2 to 8 Duane Street, New York

Michell's Reliable Aster Seed

IMPROVED SEMPLE'S BRANCHING (Michell's). An improved Strain, which has been obtained by years of careful selection.

	Tr. pkt.	Oz.
Lavender	$0.40	$1.50
Rose Pink	.40	1.50
Shell Pink	.40	1.50
Purple	.40	1.50
Crimson	.40	1.50
White	.40	1.50
Choice Mixed	.40	1.50

SNOWDRIFT. An excellent early sort with large double flowers.

Pure White	.40	2.50

SUNSET. Similar in habit to Daybreak and Purity.

Shell Pink	.50	2.50

PURITY (Michell's). In habit of growth and free flowering qualities this variety is identical with Daybreak.

	Tr pkt.	Oz.
Giant White	$0.30	$2.00

QUEEN OF THE MARKET (Extra Early). A well-known and desirable florists' variety.

Dark Blue	.20	.60
Crimson	.20	.60
Light Blue	.20	.60
Rose Pink	.20	.60
Blush Pink	.20	.60
White	.20	.60
Mixed	.20	.60

DAYBREAK.

Pink. Delicate; very double	.30	2.00

INVINCIBLE. A superior strain of great value to the florist for cutting; plants of branching habit; flowers of large size and perfectly double.

	Tr. pkt.	Oz.
Blue	$0.30	$1.50
Crimson	.30	1.50
Lavender	.30	1.50
Rose Pink	.30	1.50
White	.30	1.50
Mixed	.30	1.25

LAVENDER DAYBREAK.

Lavender. In habit of growth and form of flowers, this variety is identical with the Pink Daybreak.	.40	3.00

LAVENDER GEM.

Lavender. An excellent variety of the Comet type, with large, perfectly double flowers	.40	2.25

Send for our Latest Wholesale Catalogue of Seeds, Bulbs, Plants and Florists' Supplies

HENRY F. MICHELL CO., 10th and Market Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

ELEPHANT'S EAR

Caladium Esculentum

Bulbs 6 to 8 inches in circumference, 200 in a case, **25c.** per doz., **$2.00** per 100, **$15.00** per 1000.

Bulbs 8 to 10 inches, 100 in a case, **50c.** per doz., **$3.50** per 100, **$30.00** per 1000.

Bulbs 10 to 12 inches, 75 in a case, **75c.** per doz., **$5.50** per 100, **$50.00** per 1000.

Bulbs 12 to 13 inches, 50 in a case, **$1.00** per doz., **$8.00** per 100, **$75.00** per 1000.

Monster bulbs 13 inches and upward in circumference, 25 in a case, **$1.50** per doz., **$12.00** per 100.

Full cases at 100 rate

ARTHUR T. BODDINGTON
SEEDSMAN
342 West 14th Street
NEW YORK CITY, N. Y.

Caladium Esculentum, or Elephant's Ear

Please mention the Exchange when writing.

STOKES STANDARD SEEDS

ARE · MONEY · MAKERS

· Write · me · your · wants ·

STOKES SEED STORE

219 Market Street
Philadelphia

Please mention the Exchange when writing.

Our Novelty and Specialty edition of Feb. 26 was an earnest of our belief in the future of the American Seed Trade. If our friends, the seedsmen, will assist us with news notes or other items of general interest to the Trade, so doing will materially assist our efforts and bring about a more general feeling of acquaintance among all the members thereof, evidenced by the fact that inquiries from all over the country are more numerous for this season of the year, especially considering the cold weather, than ordinarily. If the weather was normal the many inquiries would not be so surprising. WESTERN SEEDS.

Seed Trade the Country Over

GRAND JUNCTION, COL.—The Grand Junction Seed Co. has incorporated with a capital of $10,000.

LARIMORE, N. D.—S. F. Mercer and J. H. Magoris have opened a new seed store under the style of the M. & M. Seed Co.

HARRISBURG, PA.—Walter S. Schell, for many years connected with the Holmes Seed Co., has started a seed store at 1308 Market st.

BATH, ME.—Wm. R. Kimball, proprietor of the Pine Tree State Seed Co. has purchased the business of the Eastman Seed Co., of East Sumner, Oxford Co., established 25 years.

FARIBAULT, MINN.—At a meeting of the stockholders of the Farmer Seed Co., held Feb. 15, it was voted to change the name of the concern to the Farmer Seed and Nursery Co.

OSWEGO, N. Y.—The business of P. G. Campbell has been incorporated under the name of the Campbell Flower & Seed Co. The business will shortly be removed to a new building in course of erection on the river dock.

A NEW DISCLAIMER.—In lieu of the non-warranty clause, used by the majority of seedsmen on their sheets and in their catalogs, a well-known seedsmen places the following statement on his order sheet: "In sending this order I rely upon your reputation as honest and experienced seedsmen that you will use every care to send me only seeds which you really believe are the best that can be produced for planting. Should I discover that any mistake has been made, I shall advise you promptly or return you the seeds, so that you can either replace the seeds or refund the price paid, according to your non-warranty in catalog. I recognize the fact that a mistake may occasionally occur and also that success depends largely upon conditions of soil and climate, which are beyond human control; consequently no honest seedsman could assume responsibility for the crop."

Working Another Man's Thunder

One of our prominent seed firms (A) has mailed us a copy of a letter which they recently forwarded to another seed firm (B) who, they claim, had made use of the photographs shown in their catalog (A's).

For one catalog house to copy the illustrations of another is not an offense subject to the law, but, certainly, it is not an honorable thing to do.

It is practically impossible to prevent the copying of illustrations; a general copyright on the book, as we understand the case, will not give the protection desired. The only form of protection obtainable is through the copyrighting of each and every individual cut used in the catalog, and even then that copyright will not hold unless the cuts so copyrighted are made from original photographs, the sole property of the catalog firm. For instance, it would not be possible to copyright an illustration in a case where the photograph had been bought from a person who is offering same in open market.

Apart from the above, the entire argument resolves itself down very closely to one of the observance of a code of honor which will not allow one house to make use of another firm's illustrations, except by permission.

Under the circumstances, the letter in question is very much in order at this time, and we submit it herewith:

"We were looking over copy of your 1910 catalog, kindly sent, with much satisfaction and mentally congratulating you upon its fine appearance until we came to the ——— pages and noticed that you had labeled as photographed by your firm illustrations of subjects merely photographed from our own original illustrations of other varieties and renamed by you. In the first place, even if you had used these illustrations to represent the same varieties, you would have no right morally to reproduce same without permission. When you deliberately copy the original illustrations of our own novelties and give them other names we certainly fail to appreciate your concluding remarks on page —— that your catalog has 'a deserved reputation for truthfulness and accuracy by illustrating entirely from photographic reproductions of actual specimens, taken by ourselves.'

"If you have any idea of business honor, how can you square your conscience with your unwarranted action?"

HARDY PERENNIAL PLANTS

All the following, and many others, are fully described in my Catalog No. 1, a richly illustrated book of 80 pages; mailed free. Send for special Trade List giving details.

Write for 1000 rate on any variety wanted in quantity.

Where no size is stated, they are first class field-grown stuff.

	Per 10	100
ACHILLEA millefolium roseum and ptarmica fl. pl.	$0.50	$3.50
ALYSSUM saxatile compactum.	.50	4.00
A. saxatile compactum fl. pl.	.75	5.00
ANCHUSA "Dropmore." 2½-in. pots.	.75	6.00
ANEMONE Japonica. 7 superb sorts, strong, in 2½-in. pots	.50	4.00
ANTHEMIS tinctoria and Kelwayi	.50	4.00
A. tinctoria Kelwayi alba	.60	5.00
AQUILEGIA Canadensis, chrysantha, flabellata nana alba, glandulosa hybrida. 2½-in. pots.	50	3.50
A. Canadensis, chrysantha, flabellata nana alba, vulgaris alba, clumps	.60	5.00
A. coerulea (true) clumps	.75	6.00
ARABIS alpina	.50	4.00
A. alpina fl. pl.	.60	5.00
ARMERIA Laucheana	.60	5.00
ARTEMISIA stelleriana	.50	3.50
ASCLEPIAS tuberosa. Strong roots.	.75	6.00
ASTERS, Hardy. 12 choice varieties. 2½-in. pots	.50	4.00
ASTERS, Hardy. 12 choice varieties, clumps	.75	6.00
ASTERS, Hardy, Alpinus superba. 2½-in. pots	.50	4.50
ASTILBE Japonica. Home-grown clumps	.60	5.00
A. Gladstone and Sinensis. Clumps	.75	6.00
BAPTISIA Australis. Fine roots	.60	5.00
BELLIS perennis. (English Daisy.) White and pink	.40	3.00
BOCCONIA cordata	.60	5.00
BOLTONIA asteroides and latisquama	.50	4.00
B. latisquama nana. Lovett's Dwarf. 2½-in. pots	.50	3.50
B. latisquama nana. Lovett's Dwarf. Clumps	.75	6.00
CAMPANULA Carpatica	.60	5.00
C. glomarata. 2½-in. pots	.60	5.00
C. Grosseki	.50	4.00
C. latifolia macrantha	.75	6.00
C. persicifolia and p. alba. Clumps	.75	6.00
C. persicifolia alba. 2½-in. pots	.50	4.00
CANTERBURY BELLS (Campanula media). 2½-in. pots	.50	3.50
CANTERBURY BELLS (Campanula media). Clumps	.60	5.00
CARYOPTERIS mastacantha, 1 yr.	.60	5.00
2 yrs.	.90	7.00
CENTAUREA montana. Blue and white	.75	6.00
CENTRANTHUS ruber. Clumps	.60	5.00
CERASTIUM Biebersteina. Snow-in-Summer	.50	4.00
CHRYSANTHEMUMS, Hardy. 25 select varieties. 2½-in. pots	.50	3.50
CHRYSANTHEMUMS, Hardy, 25 select varieties. Fine clumps	.60	5.00
CLEMATIS Davidiana. 2½-in. pots	.50	3.50
Field plants	.60	5.00
CONVALLARIA majalis (Lily of the Valley).	.40	3.00
CONVALLARIA majalis (Lily of the Valley). Clumps	1.75	12.00
COREOPSIS lanceolata.	.60	5.00
DAISY, Hardy. Japanese. 2½-in. pots	.60	5.00
DAISY, Hardy. Japanese. Field plants	1.00	8.00
Shasta. 2½-in. pots	.50	3.50
Shasta. Clumps	.60	5.00
Shasta. California. 2½-in. pots	.50	4.00
Shasta California. Clumps	.75	6.00
DELPHINIUM formosum. 2½-in. pots	.50	4.00
D. formosum. Clumps.	.75	6.00
D. hybridum. 2½-in. pots	.75	6.00
D. Sinensis. Blue and white	.65	5.00
DESMODIUM Japonicum and penduliflorum. 2½-in. pots	.50	4.00
Both varieties. Strong, field-grown	1.00	8.00
DICENTRA (Dielytra) eximia. 2½-in. pots	.50	4.00
D. eximia. Clumps	.75	6.00
D. spectabilis. Strong roots	.60	5.00
DIGITALIS (Foxglove). Rose, purple, white, yellow	.60	5.00
ERYNGIUM amethystinum.	.75	6.00
EUPATORIUM ageratoides, cœlestinum and purpureum	.60	5.00

	Per 10	100
FUNKIA lancæolata and undulata var.	$0.60	$5.00
F. Sieboldiana	.75	6.00
F. subcordata	1.00	8.00
GAILLARDIA grandiflora	.50	4.00
G. grandiflora compacta	.60	5.00
G. grandiflora, Giant Hybrids	.75	6.00
GENTIANA Andrewsii	.75	6.00
GERANIUM sanguineum	.60	5.00
G. sanguineum album	.75	6.00
GRASS, Hardy. Arundo Donax	1.25	10.00
Erianthus Ravennæ	.75	6.00
Eulalia gracillima and Japonica	.60	5.00
Eulalia Japonica zebrina	.75	6.00
Festuca glauca	.60	5.00
Phalaris arundinacea picta	.50	4.00
GYPSOPHILA paniculata, 2½-in. pots	.50	3.50
G. paniculata. Clumps	.60	5.00
G. Stevenii. Clumps	.75	6.00
HELENIUM autumnale superbum.	.60	5.00
HELIANTHUS croceum. 2½-in. pots.	.60	4.00
H. croceum. Clumps	.75	6.00
HELIANTHUS Maximiliana, Miss Mellish and mollis	.50	4.00
H. multiflorus grandiplenus	.60	5.00
HELIOPSIS Pitcheriana	.60	5.00
H. Pitcheriana semi-plena	.75	6.00
HEMEROCALLIS Dumortieri, flava and Kwanso	.60	5.00
H. fulva	.50	4.00
H. Florham	1.25	10 00
H. Thunbergii	.75	6.00
HEUCHERA brizoides	.50	4.00
HIBISCUS militaria	.50	4.00
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H. moscheutos. 4 varieties, 2-yr.	.60	5.00
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Double. Mixed colors	.60	5.00
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Aurora, Chas. Wheeler, Darius, Gracous, H. Cramer, Lady Strump Rebecca, Sampson, Sappho	.60	5.00
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Mixed varieties	.50	4.00
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I. Sibirica, Snow Queen	1.00	8.00
IBERIS sempervirens. 2½-in. pots	.50	3.50
I. sempervirens. Clumps	.60	5.00
I. sempervirens fl. pl. Clumps	.75	6.00
LATHYRUS latifolius	.75	6.00
L. Mary Lovett (Pink Beauty)	1.00	8.00
LIATRIS pycnostachya	.60	5.00
LOBELIA cardinalis	.60	5.00
LYCHNIS Chalcedonica. 2½-in. pots.	.50	3.50
L. Chalcedonica. Clumps	.60	5.00
L. vespertina fl. pl. 2½-in. pots	.60	5.00
L. vespertina fl. pl. Clumps	1.00	8.00
L. Viscaria fl. pl. 2½-in. pots	.50	4.00
LYSIMACHIA clethroides	.75	6.00
L. nummularia	.40	3.00
LYTHRUM roseum superbum. Clumps	.60	5.00
MONARDA didyma and fistulosa	.60	5.00
MOSS PINKS (Phlox subulata). 3 varieties; first-grown	.40	3.00
MYOSOTIS palustris semperflorens. 2½-in. pots	.50	3.50
ŒNOTHERA Frazeri, speciosa and Youngi	.60	5.00
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PAPAVER orientalis. 5 varieties. 2½-in. pots	.50	4.00
PARDANTHUS Sinensis	.50	4.00
PENTSTEMON barbatus Torreyi	.60	5.00
PÆONIA, Andrae Laurene, formosa rosea, Humei, Na Plus Ultra, Officinalis rosea fl. pl., Officinalis rubra fl. pl., Prince of Wales, Victoria tricolor	1.00	8.00
P. Edulis superba (L'Esperence)	1.00	9.00
P. Lady Bramwell, La Reine, Queen Victoria	1.25	10.00

PÆONIA—Continued.	Per 10	100
P. Arethusa, grandiflora rosea, Marechal Vallent	$1.50	$12.00
P. festiva maxima	2.25	20.00
P. Floral Treasure	2.75	25.00
P. Golden Harvest	3.00	28.00
P. Double Pink and all colors, mixed.	.75	6.00
P. Double Red, mixed	.90	7.00
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P. Single, named varieties	1.75	15.00
P. Single, mixed varieties	1.25	10.00
PHLOX decusata. 35 select varieties; fine field-grown	.50	3.50
PHLOX suffruticosa. Six choice varieties; field-grown	.60	5.00
PHLOX amœna	.50	4.00
PHLOX ovata (Carolina)	.60	5.00
PHYSOSTEGIA. 3 varieties	.60	5.00
PINKS (Hardy). Abbotsford, Her Majesty, Mrs. Sinkins, New Mound, plumarius nanus fl. pl., semperflorens, Souv de Saale. 2½-in. pots	.50	3.50
Same varieties, large clumps	.60	5.00
Arthur, Comet, Essex Witch, Perpetual Snow. 2½-in. pots	.50	4.00
Same varieties, large clumps	.75	6.00
PLATYCODON Leitchlini. 2 yrs.	.50	4.50
P. Mariesii. 2 yrs.	.50	4.00
P. Mariesii alba. 1 yr.	.50	4.00
POLYGONUM compactum	.60	5.00
P. cuspidatum	.60	5.00
PYRETHRUM roseum. 2½-in. pots	.60	5.00
P. uliginosum	.60	5.00
RANUNCULUS acris fl. pl.	.50	4.00
RUDBECKIA, Golden Glow	.50	4.00
R. Newmanii and sub-tomentosa	.60	5.00
R. purpurea. From frames	.50	3.50
R. purpurea. Clumps	.60	5.00
R. maxima. Strong plants	.75	6.00
RUBUS rosæfolius (Strawberry-Raspberry).	.50	4.00
SALVIA azurea grandiflora	.60	5.00
SANTOLINA incana	.50	4.00
SEDUM acre and album	.60	5.00
S. spectabilis. 2½-in. pots	.50	4.00
S. spectabilis. Clumps	.75	6.00
S. Sieboldi	1.00	8.00
SOLIDAGO tenuifolia (Golden Rod)	.50	4.00
SPIRÆA aruncus, filipendula fl. pl., lobata, palmata elegans, ulmaria varigata	.75	6.00
STOKESIA cyanea. 2½-in. pots	.50	3.50
S. cyanea. Strong roots	.60	5.00
S. cyanea alba. 2½-in. pots	.50	4.00
S. cyanea alba. Strong roots	.75	6.00
SWEET WILLIAM, Ruby, Snow, Hunt's Perfection. Clumps	.60	5.00
Newport Pink, Royal Irish. Clumps.	1.00	8.00
TANACETUM Huronensis, Bible Leaf.	.75	6.00
T. vulgaris. (Tansy).	.60	5.00
THALICTRUM adiantifolium and aquilegifolium	.60	5.00
TRADESCANTIA Virginica rosea	.60	5.00
TRITOMA uvaria grandiflora. Strong roots	.60	4.00
VALERIANA officinalis	.75	6.00
VERONICA amethystina, incana, rupestris, spicata	.60	5.00
V. longifolia subsessilis. From frames	.50	4.00
V. longifolia subsessilis. Clumps	.75	6.00
VERNONIA Noveboracensis	.60	5.00
VINCA MINOR. Fine, field-grown	.50	4.00
V. minor alba	.60	5.00
VIOLA cornuta (Alpine Violet). 2½-in. pots	.50	3.50
YUCCA filamentosa. Good roots	.60	5.00
Y. filamentosa. Strong roots	1.00	8.00

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SAGE, Holt's Mammoth. 2½-in. pots.	.50	3.50
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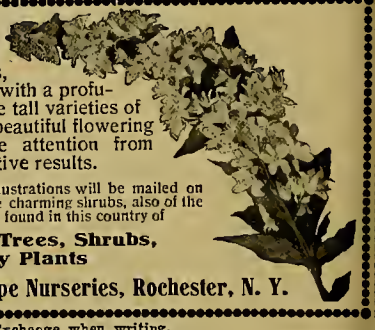

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F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-president; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer.

MEDFORD, ORE.—The Rogue River Valley Nursery Co. has been incorporated with a capital of $20,000.

LOCKPORT, N. Y.—The firm of D. T. McCarthy & Sons has been incorporated to do a general nursery, horticultural and floricultural business. Capital $33,000.

MARSHALL, MINN.—The building of the Lyon Evergreen Nursery Co. was destroyed by fire Feb. 20, with a large amount of nursery stock.

SANTA BARBARA, CAL.—The Southern Pacific Railroad is arranging to make a practical test, covering three years, of the various kinds of Eucalyptus, for building cars.

DAYTON, O.—At a meeting of the Miami Valley Nurserymen's Association held here Feb. 17 the following officers were elected: President, John Siebenthaler, Dayton; vice-president, Fletcher Bohlender, Tippecanoe City; secretary-treasurer, M. F. Gainer, Xenia; executive committee, M. F. Barnes, Hamilton; S. E. Fergus, Troy; J. W. McNary, Dayton.

Taxus cuspidata The Japanese Yew, Taxus cuspidata, seems quite rare in collections, at least it has not been our good fortune to meet with it often, hence it was a pleasure to photograph a thrifty plant of one we found on a gentleman's grounds last Summer. One trouble with many persons is that they cannot distinguish this species from some varieties of the English Yew, and, indeed, the foliage of it and some of the latter is very much alike. The English Yew, Taxus baccata, is prolific in varieties. There are many with foliage not unlike that of the Japanese one, cuspidata, but none of them have its spreading habit. Those of our readers who may be familiar with our wild Yew, Taxus Canadensis, will see a close resemblance in it to the Japanese one, in its habit of growth, having the same spreading character, but differing, perhaps, in being still more spreading than the Japanese. On a hillside, such as is the position where the plant photographed is growing, there are situations for which spreading and partly spreading plants are well fitted.

Magnolias in Fruit Where making a selection of Magnolias for planting it is almost always with a thought to their flowers that a choice is made, this and whether of tree or of shrub shape. These are points that all should consider, but there is another one rarely thought of as affecting a choice, which is the one of ornamental fruit. This is something well worth considering, for there is one species at least, the Magnolia tripetala, of great merit in this line; in fact, many persons prefer its display of fruit to that of its flowers.

All of our native species, Fraseri, glauca, tripetala, acuminata and macrophylla, bear colored seed pods freely, but the one that surpasses all others in beauty is tripetala. While all have more or less pink color the pods of tripetala are a deep pink, and being of a good cone shape and three to four inches long the display they make is much greater than that of their flowers, which, like all the native species, are of a cream white. As the flowers of this species have a disagreeable odor rather than otherwise the handsome pink seed pods should be mentioned by those who recommend its planting. Fraseri cones are of good size and shape, and a good pink, too, but hardly anyone seems able to supply this species. Acuminata pods are comparatively small, and not so well colored, while those of macrophylla are nearly round and have the least color of any. Glauca is a good light red, and its handsome glossy foliage sets off these pods to great advantage.

Among the varieties in the Japanese and Chinese section there is one, Magnolia Kobus, which surpasses all others in pod producing. Not only does every flower practically produce a pod, but these pods are of most grotesque shape. The greater number of them look like newly hatched young birds, minus the legs. Another one, M. Lennei, bears large, bright colored pods of irregular outline, and bears them freely, too, making it well worthy of a position on a lawn for this reason. Soulangeana bears a few pods, but only a few, while conspicua and stellata rarely. The writer has never seen a pod on either, but it is recorded that stellata has been known to bear a few in this country.

Our evergreen Magnolia is omitted from this list, as its range of hardiness is too limited, thriving no farther north than Philadelphia, and only there when in sheltered positions. Its pods are roundish, much like those of macrophylla as well as in their color, a pale pink. The M. grandiflora is referred to.

Pruning the New Hydrangeas Spring is so near at hand now that the pruning of such Hydrangeas as require it may be done at once. Our native species, as well as their varieties, should be well pruned. The native ones are arborescens, radiata and cinerea mainly, and both arborescens and cinerea have varieties bearing sterile heads of flowers. The variety arborescens is the now well-known grandiflora alba; cinerea is sterilis, or Teas' Snowball Hydrangea. All these, the natives and their varieties, bear close pruning, as this induces vigorous shoots, which bear large heads of flowers on the ends. The Hydrangea paniculata and its varieties also require close pruning, and for the same reason as given for the native sorts.

Coming now to the Japanese sorts of the Hortensia type, these require exactly the opposite treatment. They must not be pruned to lose their branches, nor, indeed, should they lose their terminal buds, for it is these buds that are sure to flower if undisturbed. This is why these Hydrangeas cannot be left out uncovered where freezings are severe. A few degrees of frost, perhaps 10 degrees, will not hurt them if in the shade, hence a covering of leaves, with, perhaps, an inverted barrel over them, is sufficient to ensure the safety of the shoots. Winter covering is mentioned now merely as bearing on the subject of pruning. The only pruning that the Hortensia calls for is to thin out some of the shoots if too close together. There are two divisions of the Hortensia. The first one contains the old Hortensia itself and its varieties Thomas Hogg and Otaska. The second one is the Japonica class. These are represented by the cœrulea, Imperatrice Eugenie, stellata and others. They have flat heads of flowers instead of rounded ones, and while some are white there are pink and blue ones as well.

To sum up, prune well all the native species and varieties, and the paniculata and grandiflora, but do not prune the H. Hortensia nor the H. Japonica and their varieties.

Single-Stemmed Arborvitæ When the snows of Winter are on us it makes evident the folly of growing Arborvitæ and similar evergreens with two or more main stems. Such trees always become unsightly when heavy snows come. The weight of the snow forces the branches apart to such an extent that rarely do they get back to their old positions. It is true that by tying the limbs together the spreading apart may be prevented, but why grow them with more than one leader, making work to keep the tree in shape, when by cutting out all shoots but one when the plants are small it all can be avoided? Started properly, to the single shoot, the tree will be just as full in time as if there were several leaders. At the present time, the close of a Winter noted for many snowstorms, many evergreens have presented a sorry sight spread apart in the way aforesaid.

Even with evergreens that have grown up five or six feet with two or more leaders it is often the case that all but one can be so cut back as not to injure the outline. If cut back to three feet or so, the cut back portion will become strong and stiff, that snows will not weight it outward from the rest of the tree; and in the end a far more satisfactory tree will result than if it had been untouched.

The American Arborvitæ is the most apt to spread apart of all evergreens; its columnar habit causing this. The Chinese species is not so bad; for one reason because it usually makes many leaders instead of but two or three, and then the whole growth of the tree is more bushy in proportion to the height, sustaining the tops better.

Irish Junipers and Yews make stiffer trees, and are not pulled apart so readily as Arborvitæ. Leaving out the spreading-apart tendency, all buyers of the evergreens named prefer those with a single main stem to any others.

Taxus Cuspidata—Japanese Yew

The Flame-Colored Willow At this season of the year, Midwinter, one of the attractions of a lawn is the flame-colored Willow, as it is called, Salix Britzensis. It is called flame-colored, but it is really a darker red than flame, closely resembling the brilliant Winter color of the red twigged Dogwood, Cornus florida. The color of this Willow, as well as of the Dogwood, is the Winter dress. They take on the color with the approach of Winter, losing it again when Spring opens. The color is most intense in Midwinter, in the coldest days. These are the two best colored shrubs or trees of all known. There are other Willows and other Dogwoods of some color, but not to compare with these.

To get a mass of color several plants should be set together, according to the extent of a lawn. A dozen together make a fine display.

The shoots that color the best are those of the past season's growth, therefore, to get these shoots, and good strong ones at that, cut all the plants back close when Spring comes, then the strong shoots will result.

Another good thing to do is to select a situation where the ground is deep and damp, preferably, and do not disturb the plants too much by too frequent transplantings, which would check good strong shoots being made.

Those Cherry Trees from Japan Referring to the 2000 Cherry trees which were sent to President Taft by the Japanese government, and which had to be destroyed because of their diseased condition, it is probable they were of the well-known beautiful sort Cerasus Sieboldi, known as the double-flowered Japanese Cherry. While it is to be regretted that trees sent in such a friendly way could not be planted the President could readily secure the number of trees of the same kind here should it be desired to plant such a variety in Potomac Park, where it is said the Japanese ones presented were to go. This double-flowered Cherry is one of the handsomest of the double-flowered class; its flowers are larger and of a full pink color in the bud and until the flowers are fully expanded, when mostly a white color is displayed.

A Chinese double-flowered Cherry has been common in gardens for a hundred years or more, and there is a double one of the common garden Cherry, but neither of these equal the Japanese one referred to, Sieboldi.

To get a stock of these Cherries quickly, young plants of the common Mazzard Cherry should be set out this Spring, and these should be budded in Summer. With strong stock to work on, a plant with a good top is soon obtained.

The attention of importers of nursery stock is called to the fact that there is important legislation pending at Washington. The Simons Bill should be defeated and that approved by the Am. Ass'n of Nurserymen adopted. For particulars, turn over page.

California Privet

California Privet is still the leading hedge plant, because nothing has yet been produced to surpass it.

I have an extra large stock of two-year-old plants, in all grades, to offer for Spring shipment. This stock is well branched with plenty of fibroue roots.

I can compete in price, quantity and quality with any reliable grower.

I AM GROWING PRIVET TO SELL

LET ME QUOTE YOU PRICES BEFORE YOU BUY.

C. A. BENNETT Robbinsville, N. J.

Please mention the Exchange when writing.

Last Fall

MY OUTPUT OF CALIFORNIA PRIVET WAS GREATER THAN EVER BEFORE.

Ribsam's Reputation

Orders booked now daily. Owing to bushiness and fibrous roots my plants are far above the average grade sold by others at lese prices; just one order will enroll you as on e of our regular patrons. Thanking all for past favors.

CALIFORNIA PRIVET

	Per 100	Per 1,000	Per 10,000	Per 20,000
3 to 4 feet, **Our Special**	$6.00	$40.00	$350.00	$650.00
2½ to 3 feet, **Extra Bushy**	5.00	35.00	300.00	550.00
2 to 3 feet, **Our No. 1**	3.50	25.00	200.00	350.00
1½ to 2 feet, **Our No. 2**	2.50	17.50	150.00	250.00
10 to 18 in., **Our No. 3**	1.50	12.00	100.00	175.00

Packed free. Our stock is A1 in every respect, and I prefer you to call and see it. A trolley line from P. R. R. station leaves you at my gate, only 10 minutes' ride Hoping to see you and have your order early as possible, as we have only 300,000 left for this Spring's delivery, I remain, yours truly,

CARLMAN RIBSAM, Office, 31 Wall St. (Nursery, Hamilton Ave.) **Trenton, N. J.**

Please mention the Exchange when writing.

GOLDEN PRIVET

Ligustrum Ovifolium Aureum

1,000 field-grown, three year old plants, $10.00 per hundred; 6,000 two inch pots, $5.00 per hundred. The most beautiful hardy hedge plant.

BERTERMANN BROS. CO., INDIANAPOLIS, IND.

Please mention the Exchange when writing.

50,000 CALIFORNIA PRIVET, fine 1-year-old stock, 18 to 24 in., $2.00 per 100, $15.00 per 1000; 24 to 30 in., $2.50 per 100, $20.00 per 1000. Special prices in 5000 lots to dealers, all No. 1 stock. 5,000 extra strong AMPELOPSIS Veitchii. Field grown vines, live tops and roots, now in cellar, $4.00 per 100, 500 at $3.50 per 100. P. S. 25,000 Canna Roots.

BENJ. CONNELL, Florist, **Merchantville, N. J.**

Please mention the Exchange when writing.

CALIFORNIA PRIVET

500,000 2-yr. plants, with 12 to 20 branches; have been transplanted once and cut back 2 yrs.; $4.00 per 100, $37.50 per 1000, packed. Will make a good close hedge at once. 600,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr.; $3.00 per 100, $27.50 per 1000, packed. 1-yr. plants 12 to 18 in., well branched, $2.00 per 100, $17.50 per 1000, packed. 500 at 1000 rates. Cash with order.

JOHN BENNETT, Atlantic Highlands, N. J.

Please mention the Exchange when writing.

F. E.—The Best Advertising Medium

California Privet

SPECIAL

For two weeks we will make special price on car-lots of 18 to 24 in., 2-yr., well branched and extra fine rooted stock. Small quantities at low prices.

Asparagus, Palmetto and Giant Argenteuil, 3-yr., extra strong, **$5.00** per 1000.

Jos. H. Black, Son & Co.

Hightstown, N. J.

Please mention the Exchange when writing.

CALIFORNIA PRIVET 15 to 18 ins., $1.50 per 100, $13.00 per 1000; 18 to 24 ins., $1.75 per 100, $15.00 per 1000; 24 to 30 ins., $3.00 per 100, $25.00 per 1000 CASH WITH ORDER.

JOHN H. LANE, LITTLE SILVER, N. J.

Please mention the Exchange when writing.

PEONIES

Lucretia Dewberry

in large quantities. If in need write.

GILBERT H. WILD, SARCOXIE, MO.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

INDOOR GRAPE VINES

Strong, one year old planting canes, just right for present planting.

In the following varieties:

MUSCAT OF ALEXANDRIA
BLACK HAMBURGH
BUCKLAND SWEET WATER
DIAMOND JUBILEE
MILTON CONSTABLE
GROS COLMAN

Price, $2.50 each (Two dollars and fifty cents)

SCOTT BROS. Elmsford Nurseries ELMSFORD, N. Y.

Please mention the Exchange when writing.

The Very Best

Grape Cuttings

Finest Selected Wood
PURE STOCK
1,000,000 XXX Cuttings

CHARLES C. NASH, Kalamazoo, Mich.

Please mention the Exchange when writing.

GRAFTED ROSES

EDWARD J. TAYLOR,
GREEN'S FARMS, CONN.

Please mention the Exchange when writing.

A Rose for Every Greenhouse

GRAFTED ROSES

White Killarney, My Maryland, Pink Killarney, Richmond

Rose Pots.....$15.00 per 100.
3½-inch Pots .....$18.00 per 100.

Brides, Bridesmaids, Golden Gates, La France, Kaiserin

Rose Pots .....$10.00 per 100.
3½-inch Pots .....$15.00 per 100.

OWN ROOT ROSES

White Killarney, My Maryland, Richmond, Pink Killarney, American Beauty

3-inch Pots .....$9.00 per 100.
4-inch Pots .....$12.00 per 100.

Brides, Bridesmaids, Perles, Sunrise, Golden Gates, Chatenay, Kaiserin

3-inch Pots .....$7.00 per 100.
4-inch Pots .....$10.00 per 100.

We will have large quantities of White Killarney and American Beauty Rose plants of the best quality for Spring Delivery.

Standard Varieties of Carnation cuttings on hand.

Verbena and Coleus cuttings and plants ready for shipment.

Send for circulars.

J. L. DILLON, Bloomsburg, Pa.

Please mention the Exchange when writing.

"FLOWER OF FAIRFIELD"

THE "EVERBLOOMING CRIMSON RAMBLER"

The best Climbing Rose in the market, flowering during the whole Summer in large clusters of finest crimson color.

Prices for first rate plants with 3 to 5 shoots, open ground grown, $11.00 per 100, $100.00 per 1000.

Extra strong plants, with 5 and more branches at $15.00 per 100.

Package free, cash with order only.

SCHULTHEIS BROS., The "Old" Rose Gardens, at Steinfurth, near Bad-Nauheim, GERMANY

Please mention the Exchange when writing.

The Book of WATER GARDENING

By PETER BISSET. Price, postpaid, $2.50.

A. T. De La Mare Ptg. & Pub. Co. 2 to 8 Duane St. New York

Federal Bill Providing for Inspection of Imported Nursery Stock

H. R. 15656 introduced by Congressman Jas. S. Simons of New York, and which is now in the hands of the Committee on Agriculture, provides for the inspection of nursery stock at ports of entry of the United States, to authorize the Secretary of Agriculture to establish a quarantine against the importation and against the transportation in interstate commerce of diseased nursery stock or nursery stock infested with injurious insects, and making an appropriation to carry the same into effect.

In effect, the Simons Bill provides for dock inspection of nursery stock at port of entry, a proviso which, as is pointed out in the letter that follows, is simply impossible of carrying into effect. If the Simons Bill is passed it would either ruin the importing industry or eventually lend to a perfunctory examination of stock (in order to comply with Customs and steamship regulations) that would, in effect negative the purport for which said Bill has been framed.

The following is an abstract from a letter sent by the Horticultural Importers' Association to the Committee of Agriculture at Washington, proving the ineffectiveness of the proposed Simons Bill:

The following facts will prove that the above measure is "impracticable" and "impossible of execution."

The arrivals at the port of New York for the past 11 days (Jan. 20 to Jan. 31) of French nursery stock were as follows—which was about the average weekly shipment for the past three months.

Per S. S.	Mexico,	January	20—	927 cases.
" "	Oceanic	"	24—	20 "
" "	New York	"	29—	22 "
" "	Floride	"	31—	406 "
				1375 cases.

Each case contains from 10,000 to 15,000 seedlings (some cases contain 40,000) so that the 1375 cases contain an approximate total of 17,000,000 seedlings valued, when shipped, at approximately $60,000, or at the dock, New York, approximately $100,000, which includes about $26,000 paid to the United States Government in import duties.

The above shipments represent almost exclusively seedlings from France (representing raw material for nurserymen) which cannot be produced in the United States. The import duty exceeds in some instances two hundred per cent. of foreign cost. The seedlings are packed tightly, by means of machinery and appliances, in paper lined cases, and unpacking in transit would greatly damage contents even if they could be repacked into the same cases.

Entry has to be made and duty paid to the United States Customs within 48 hours to comply with Customs regulations. The cases must be removed within three to four days to comply with steamship regulations, and a glance at above figures will prove that this cannot be done, even though the present congestion on the docks be entirely overlooked.

Like fleas on a dog, insect pests should be killed, but we do not see why a valuable dog should be killed to get rid of a few fleas, when the fleas are not harmed by the killing of the dog.

With the foregoing letter, a copy of the subjoined protest was sent to every member of the Committee of Agriculture:

Whereas: In January, 1909, a Bill known as H. R. 27367, was introduced into the United States Congress, providing for the inspection of nursery stock at ports of entry of the United States, which Bill passed the House, was before the Senate, and was being considered before the nurserymen had knowledge of it;

And whereas: The Legislative Committee of the American Association of Nurserymen at that stage receiving information that such a Bill was being considered, secured a hearing before the Committee on Agriculture, Dr. Howard, the framer of the Bill being present, and after lengthy argument, succeeded in having the Bill withdrawn on the understanding that the Legislative Committee of the American Association of Nurserymen would prepare a new Bill which would be acceptable to Dr. Howard and the nurserymen of the United States;

And whereas: The nurserymen did prepare such a Bill, having the endorsement and approval of the American Association of Nurserymen and the Association of Horticultural Inspectors, but though repeated efforts have been made to arrange a conference with Dr. Howard, those efforts so far have been without result.

And whereas: On December 16, 1909, a Bill known as H. R. 15656 was introduced into the House by Mr. Simmons, the text and purport of which is exactly the same as the former bill known as H. R. 27367, and to which the nurserymen and kindred interests so strongly objected;

Therefore, be it resolved: That the Horticultural Importers' Association, here assembled, protests against the passage of Bill H. R. 15656 as being impracticable and, in the present congested condition of the New York docks, impossible of execution without large unnecessary losses being incurred, and as the nurserymen's Bill provides for adequate inspection at destination—which we believe to be the only practical and effective way—we strongly urge that the Bill prepared by the Legislative Committee of the American Association of Nurserymen be substituted for H. R. 15656;

And be it further resolved: That the Secretary of this Association be authorized to forward a copy of this resolution to the Hon. Chas. F. Scott, Chairman of the Committee on Agriculture, the Hon. Wm. W. Cocks of New York, and the other members of the Committee on Agriculture.

The following is an abstract of the Bill which was prepared by the Legislative Committee of the American Association of Nurserymen, and which is, we understand, agreeable to all interests involved:

Bill Proposed by American Association of Nurserymen as Substitute to Various Bills Now Before Congress

AN ACT

To provide for the inspection of nursery stock and to authorize the Secretary of Agriculture to establish a quarantine against the transportation in interstate commerce of diseased nursery stock or nursery stock infested with injurious insects, and making an appropriation to carry the same into effect.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled:

That all nursery stock, brought into the United States, including field-grown florists' stock, trees, shrubs, plants, vines, cuttings, grafts, scions, buds, pits, or seeds of fruit and ornamental trees and shrubs, shall be subject to inspection by official experts of the Department of Agriculture at final destination on the premises of the owner or consignee.

Sec. 2 provides that importers of above described stock shall, within twenty-four hours after arrival thereof, notify the official expert of their arrival and delivery to consignee. The official expert is authorized to enter the premises of consignee or owner, where such nursery stock is stored, and inspect same, such examination to be made within five days.

Sec. 3 provides that every package of imported stock shall have plainly and legibly marked thereon the name and address of the shipper, owner, or person forwarding or shipping the same, and also the name and address of the person, firm, or corporation to whom the same is forwarded or shipped, or his or its responsible agent.

Sec. 4 provides that when any importation of nursery stock is found infested with injurious insects or their eggs, larvae, or pupae, or with tree, plant or fruit disease or diseases, the contents of boxes or bales so infested or diseased may be disinfected at final destination on the premises of the owner or consignee, under the supervision of the official expert. After disinfection has been so performed in a manner satisfactory to the official expert, the trees, vines, or other articles shall then be released. If it be not practicable to fully disinfect such stock, such portion of it as shall be infested shall be destroyed.

Sec. 5. That upon complaint or reasonable ground on the part of the Secretary of Agriculture to believe that any nursery stock grown within the United States is infested with injurious insects or diseases new to the United States and likely to become subjects of interstate commerce, the Secretary of Agriculture shall cause the same to be inspected by a qualified expert, and, if need be, the trees or plants found infested shall be placed under quarantine until such infestation is removed.

Sec. 6. That it shall be unlawful for any person, persons, or corporation to deliver to any other person, persons, or corporation or to the postal service of the United States (except for scientific purposes and by permission of the Secretary of Agriculture) for transportation from one State or Territory, or the District of Columbia, to any other State or Territory, or the District of Columbia, or for exportation to any foreign country, any trees, plants, shrubs, vines, or other nursery stock which are under quarantine in accordance with the provisions of section five of this Act. Any person, persons, firm or corporation who shall in any way violate the provisions of this Act, shall be deemed guilty of a misdemeanor, and on a conviction thereof shall be punished by a fine not to exceed $500, nor less than $200, or by imprisonment not to exceed one year, or both, at the discretion of the court.

Secs. 8 and 9 regulate the date when the Act is to go into effect and provide for the money required.

Sec. 10 provides that the provisions of this Act shall not prevent the inspection of any nursery stock or other described articles by the authorized inspector of any State or Territory, at the final point of destination, in accordance with the laws of such State or Territory.

Evergreens for Hedges

Following up his former letter on evergreens for hedges, Mr. Otto Katzenstein of Atlanta, Ga., sends us the following notes on two evergreen Hollies, the Ilex Cassine and the I. Dahoon:

"I am mailing you under separate cover a sprig of the Dahoon Holly—Ilex Dahoon—which to my idea is the best of our native evergreen Hollies. The Yaupon—Ilex Cassine—resembles it in every way only the leaves are much smaller. The Ilex myrtifolia resembles at first sight a Cotoneaster microphylla and is not very graceful in its shape. I have no experience with Ilex Dahoon as to its hardiness further north. Atlanta, however, is pretty cold and I know of several instances where the mercury dropped below zero following a spell of comparatively warm weather, and I. Dahoon passed them all without the least injury, which speaks well for it. Live Oaks right close by were killed back very much during these same cold spells. It seems to me that with a little coaxing I. Dahoon could be made to live through your Winters even better, because you can give it snow protection as a rule. I do not think that

Ilex Cassine. Yaupon Holly

I. Dahoon is common anywhere in the South, but I feel confident that a good-sized stock could be brought together which would be worth a whole lot of money. If I had a nursery I should devote a good deal of space to this specialty. The only drawback, and that it shares with all other Ilex, is the difficulty with which it can be transplanted, unless handled properly. I moved a number of rather large specimens this Fall with thus far 100% success, and I moved a Holly last Spring from a yard where it had seen Sherman march through Atlanta. It measured 38 in. around the girth three feet above the roots, and it is doing first-rate now, about three miles away from its old home. Another very fine shrub we have here and which is very scarce is the Olea Americana. This also has stood all kinds of weather unharmed. A few years ago, I imported from Japan a quantity of Quercus arguta, which is proving quite an accession to our evergreens. It is a rapid grower and is chestnut leaved. I have a number which grew 2 ft. last season. That is growing some. It also seems hardy all right."

Mr. Katzenstein also mentions that some botanists have now transferred the names of these Hollies, but we give the botanical names as they have been known for some 150 years, and which appear good enough for them to many of us yet. J. M.

THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

Ilex Dahoon. Dahoon Holly

EASTER LILIES

12 Cents per Bud, or Bloom

Nothing Shipped After March 21st

Terms Cash

H. F. Littlefield

Worcester, Mass.

Please mention the Exchange when writing.

EASTER PLANTS

AZALEAS, 6½ to 8-in. pots, from 75c. to $5.00 each, larger plants from $6.00 to $10.00 each, Pyramids $4.00 and $5.00 each.

LILIES, $12.00 per 100 buds; $120.00 per 1000, $550.00 per 5000.

LILACS, White and Blue, 8 and 9-in. pots, $1.50, $2.00, $2.50 and $3.00 each.

SPIRAEA, Gladstoni, White, $6.00, $9.00 and $12.00 a doz.
Queen Alexandra, Pink, 75c., $1.00 and $1.25 each.

HYACINTHS, Single, pots $2.00 per doz. Only extra selected bulbs grown.
Miniature, 6, 7 and 8-in. pans, 35c., 50c., 75c. and $1.00 a pan.

TRUMPET NARCISSUS, 35c., 50c., 75c. and $1.00 a pan.

LILY OF THE VALLEY, in 5-in. pots, 35c. each; 6-in. pans, 50c. each; 7 in. pans, 75c. each and 8 in. pans, $1.00 each.

DWARF ROSES, Baby Dorothy, Baby Ramblers, $6.00, $9.00 and $12.00 a doz.

ROSE, Mme. Cutbush. Enchantress pink, large plants, 6½ and 7-in. pots, $12.00 $15.00 and $18.00 a doz.

Large showy plants of Dorothy Perkins, shell pink, 6½ to 9-in. pots, $1.50 to $7.00 each.

Star-Flowered Rambler, single, large trusses, outside petals light pink, centre white, 6½-in. pots, $1.50 and $2.00 each; large plants in 7 to 9-in. pots, $3.00 to $7.00 each.

Everblooming Crimson Rambler, (Flower of Fairfield). Brilliant red color, 6½, 7, 3 and 9-in. pots, $2.00 to $3.00 each.

All the foregoing Roses are timed for Easter and are perfectly budded.

With shipping orders, please add to the amount of bill 75c. for each ten dollars worth of goods, to cover the expense of cases and packing.
For other varieties of foliage and Easter plants, write for price lists.

ANTON SCHULTHEIS
316 19th Street, COLLEGE POINT, L. I., N. Y.

Please mention the Exchange when writing.

BEGONIAS

25,000 strong, extra fine transplanted plants, of VERNON and GRACILIS ROSEA; $1.00 per 100 by mail. $7.50 per 1000 by express.

Cash with order.

PETER BROWN,
124 RUBY ST., LANCASTER, PA.

Please mention the Exchange when writing.

CROTONS

Fine varieties, first-class plants, highly colored, 25c., 35c., 50c., 75c. and $1.00 each.

DRACAENA SANDERI, 3-in., 25c.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

F. E.—The Best Advertising Medium.

AZALEAS FOR EASTER

VAN DER CRUYSSEN
VERVAENEANA ALBA
NIOBE
SIMON MARDNER
EMPRESS OF INDIA
PROF. WOLTERS
DR. MOORE
VERVAENEANA

50c., 75c., $1.00, $1.25, $1.50, $2.00, $2.50, $2.75, $3.00

A large stock of Privet, also Shrubs in all varieties

Clematis Paniculata 2-year No. 1, $7.50 per 100; 3-year X size, $9.00 per 100; 2-inch pot plants, $2.50 per 100.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Please mention the Exchange when writing.

Berlin, Conn.

W. H. Shumway is the only florist in Berlin, having some 4500 feet of glass. Mr. Shumway makes a specialty of Carnations and has put one, the Edward, upon the market recently. This, however, has been put aside in favor of another new and better variety, the Almira, a new seedling of Enchantress × Wm. Scott, showing its Enchantress parentage in size of bloom and stiffness of stem, and the best producer of any variety that has been tried out here in several years. Mr. Shumway enjoys quite a reputation locally as to his ability to grow large flowers and sends a considerable number of them to out-of-town folks.

California Plant Notes

Jasminum primulinum has bloomed this season for the first time hereabouts and what a grand, good thing it is. It is not fragrant, as stated in some catalogs. A Winter bloomer, January, February and March, it is a gorgeous sight. The yellow flowers, salver shaped, some single, some with a bunch of petals in the center, give it a semi-double appearance. They are as large when well grown as a silver dollar. The plant is an evergreen and of slender trailing habit, very like that of Forsythia suspensa, therefore must be trained to a stake. At Redlands I met with one out in the open, trained to a support six or seven feet high, with branches drooping to the ground. We need not lament our inability to grow Alamandas in the open since this new acquisition is quite as showy. Soon Bignonia Tweediana will be in bloom, which is equally floriferous, of the same colored flowers and quite as gorgeous when in full bloom. These two subjects give us a succession of bloom for about six months.

Cardiospermum hirsutum—Perennial Balloon Vine—I met with this Winter, covering the one end of a barn. It was in full bloom, though the temperature was too low at night for it to set any "balloons." The seed vessels of the annual variety C. Halicacabum was one of the delights in my childhood days—to crush and hear the explosion. How often dear mother was compelled to use severe measures to save the pretty balls from destruction by my mischievous hands I have forgotten. This subject is aptly named hirsutum, covered as it is with soft violet-purple hairs. It is desirable in this climate, because an evergreen vine of rapid growth, not very unlike Clematis paniculata in appearance. It is interesting because of the peculiar seed vessels, the seed being attached to paper-like disks as large as a quarter dollar.

An experimental bed of early Tulips is just now coming into bloom on a private place in this town, where money is no consideration when it comes to producing fine effects in gardening. As frequently stated in these notes, this class of bulbs is of no account in southern California. The late ones give good satisfaction. In this case the stems will probably be an inch long.

The first instance of successful Bleeding Heart culture in this State came under my observation this week. I shall make inquiry as to what methods were used to obtain this result.

A beautifully variegated leaved Duranta Plumieri is being propagated by one of our nurserymen, which will surely take a prominent place in our exotic shrubbery. The flowers of this family of shrubs are very pretty, borne in racemes, and followed by clusters of fruits the size and color of the yellow Currants of the East. P. D. B.

Prices Advertised in these Columns are for THE TRADE ONLY

Easter Lilies

500 plants. Just Right For Easter. Buds starting to lay down, 3 to 6 buds to plant, 18 to 24 inches above pot. Will stretch 6 to 8 inches before Easter; 10 cents per bud straight.

JOHN F. HORN & BRO.
20 North 6th St., Allentown, Pa.

Please mention the Exchange when writing.

Begonia Rex

2-in. $3.00 per 100.

DRACAENA Indivisa, 4-in., $10.00 per 100.
PRIMULA Obconica, 2-in., $1.75 per 100.
VINCA, 3-in., $4.00 per 100.
ENGLISH IVY, R. C., $1.00 per 100.

FERNS

Scottii, 2½-in., 6c.; 3-in., 10c.; 4-in., 15c.; 5-in., 20c.; 5-in., 35c.
Boston, 2-in., 4c.; 3-in., 5c.; 4-in., 15c.; 6-in., 20c.
Piersoni, 4-in., 16c.; 5-in., 20c.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

A Few Good Things You Want

BEGONIA Rex, 2-in., $5.00 per 100.
ASPARAGUS plumosus, 2-in. $3.00 per 100; 3-in., $5.00 per 100. Cut sprays, 25c. per bunch.
ASPARAGUS Sprengeri, 3-in., $6.00 per 100.
GERANIUMS, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viand, Jaulin, Ricard, Buchner, Pollevine, R. C., $1.60 per 100; pot plants, 2-in., $2.50; 3-in., $6.00 per 100. Mme. Salleroi, 2-in., $3.00 per 100.
FERNS, Whitmani, 4-in., 25c. each. Boston, 4-in., 15c. each; 6-in., 25c. each.
CYCAS PALMS, 4 to 5 leaves, $1.00, $1.60 and $2.00.
VINCA Var., 2-in., $2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

FOR SALE

Fine plants, 2¼-in. pots, HELIOTROPE, dk.; AGERATUM, com. blue; GERMAN IVY; MARGUERITE, Alexandra and Yellow; DOUBLE PETUNIA, mixed vars., $2.00 a hundred. Rooted cuttings of same, and CUPHEA, ALYSSUM, GNAPHALIUM, GOLDEN THYME, 60c. a hundred, free by mail.

Stock clean and well packed.

Cash with order.

A. B. GRAVES,
421 BRIDGE ST., NORTHAMPTON, MASS.

Please mention the Exchange when writing.

OXYDENDRUM ARBOREUM

A Hardy Rival of the Croton

I HAVE 10,000 of this valuable American Tree-Shrub, and do not hesitate to recommend it as one of the best of our American natives. It can be used singly as a specimen tree or shrub, or massed in the shrubbery with equally good effect. It is also useful as a deciduous hedge, rivalling the Croton hedges of the South for wealth of color. But unlike the Croton, it is perfectly hardy here.

1 to 2 feet, per 10, $1.25; per 100, $9.00
2 to 3 feet, per 10, 2.75; per 100, 25.00
3 to 4 feet, per 10, 7.50; per 100, 50.00

OTHER CLASSY LEADERS:

Althee Crested Beauty — Funkia lancifolia
Azalea Canescens — Hemerocallis in variety
Azalea Nudiflora XXX stock — Hibiscus Crimson Eye, seed or plants
Plumbago larpentae

DAHLIAS, Watch the Exchange for our offers.

WM. F. BASSETT
HAMMONTON, N. J.

Please mention the Exchange when writing.

Boston and Scottii Ferns, 6 in., $6.00 per doz.
Extra Large Bostons, 7 in., $12.00 per doz.

FERNS FOR FERN DISHES

Extra strong, healthy, bushy, full grown, 2¼ in. stock, guaranteed to please; in assortment of 12 best varieties, $3.00 per 100, $25.00 per 1000.
250 at 1000 rate.
Adiantum Cuneatum and Gracillimum, 2¼ in., $3.50 per 100, $30.00 per 1000.

CIBOTIUM SCHIEDEI

King of Ferns: Handsomest, most valuable plant for all decorative purposes; no plant more profitable to both grower and retailer; young stock for growing on, ready for delivery during March, April and May. Largest stock, best prices. Orders booked now.
Asparagus plumosus nanus. Excellent 2¼ in. stock, $3.00 per 100, $25.00 per 1000.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist

Please mention the Exchange when writing.

FERNS

Assorted Ferns for Jardinieres in 6 to 8 best varieties. Good, strong plants from 2¼-in. pots at $3.00 per 100, or $25.00 per 1000.

THOMAS P. CHRISTENSEN
SHORT HILLS, N. J.

Please mention the Exchange when writing.

NEPHROLEPIS

WHITMANI, 2½-in., $5.00 per 100; $40.00 per 1000.
MAGNIFICA (new), $25.00 per 100.
BOSTON FERNS, 2½-in. $30.00 per 1000.

Henry H. Barrows & Son,
WHITMAN, MASS.

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FERNS ASSORTED FOR DISHES

Full grown plants from 2¼-in. pots, $3.00 per 100; 3-in., $6.00 per 100; 4-in., $12.00 per 100.

Asparagus P. Nanus 3-in. pots, $6.00 per 100.

Cocos and Kentias For Centers, 2¼-in. $10.00 per 100; 3-in., 15c. each.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

Oshkosh, Wis.

E. P. Barnett, manager of the Oshkosh Floral Co., is highly elated over the success of the company's new store during its opening week. He was kept unusually busy with funeral work.

Catalogs Received

W. B. LONGSTRETH, Gratiot, O.—Catalog of Vegetable and Flower Seeds for amateurs.

E. Y. TEAS, Centreville, Ind.—Wholesale Price List of Teas' Hydrangeas, Shrubs, Trees, Peonies, Iris, Gladioli, etc.

MILLS & COMPANY, Mamaroneck, N. Y.—32-page Catalog of Dahlias, Bulbs and Roots, Hardy Plants, Bedding Plants, Flower and Vegetable Seeds and Vegetable Plants and Roots.

F. & F. NURSERIES, Springfield, N. J.—Spring 1910 Trade List of Deciduous Trees and Shrubs, Evergreens, Roses, Hardy Herbaceous Perennials and Fruits.

BLOODGOOD NURSERIES, Flushing, L. I., N. Y.—Spring 1910 Price List of Deciduous Trees, Shrubs, Vines, Evergreens, Roses, Herbaceous Plants and Fruit Trees.

J. T. LOVETT, Monmouth Nurseries, Little Silver, N. J.—Catalog of Hardy Perennials, Shrubs, Vines, Roses, Hardy Plants, Evergreen Trees, Small Fruits and Garden Roots. The catalog embraces 80 pages and is profusely illustrated with half-tones, many of them of varieties very seldom found in other catalogs.

J. BLAAUW & CO., Boskoop, Holland; New York representative, John Radder, c/o Knauth, Nachod & Kuhne, 13 William Street.—General Catalog of Shrubs, Vines, Evergreens, Bulbs, Roots, Rhododendrons, Roses, Trees and Fruits. This is a 40-page publication, well arranged and illustrated with several fine full page plates.

FRANK E. RUE, Peoria, Ill.—General Catalog for 1910 of Vegetable and Flower Seeds, Flower and Bedding Plants, Foliage and Decorative Plants, Summer Flowering Bulbs and Roots, Nursery Stock, Poultry Supplies, Fertilizers, Garden Tools and Requisites. The catalog contains 62 pages and is profusely illustrated.

BROOKLAWN CONSERVATORIES (Julius Reck), Bridgeport, Conn.—A neat little 8 pp. and cover catalog, containing a list of plant offerings which can readily be made by all enterprising florists who have a little land surrounding their greenhouses. The putting forth of an ad. of this character is good advertising and money well spent.

S. L. LAMBERD CO., 111-15 Light st., Baltimore, Md.—Catalog of Seeds and Farm Machinery, covering Flower and Vegetable Seeds, Field and Grass Seeds, Fertilizers, Poultry Supplies, Garden Tools and Implements, and a very extended line of Field, Garden and Farm Machinery. The publication contains 128 pages and appears within handsome lithographed covers.

EASTERN NURSERIES, Jamaica Plain, Mass., H. S. Dawson, Mgr.—"Everything for the Hardy Garden." A well-prepared catalog of Perennials, Lilies, Peonies, etc. The book is well printed and illustrated with half-tones of high quality. On the cover appears a large half-tone reproduction of a formal garden. From the same concern we have a Wholesale Trade List of Evergreens, Trees and Shrubs, Vines and Climbing Plants, and Hardy Herbaceous Plants.

WELCH BROS., 226 Devonshire st., Boston, Mass.—Wholesale Price List of Florists Supplies. This is a 48-page publication printed on fine stock and profusely illustrated. The articles catalogued are those usually in demand by florists, and cover Wire Designs of all kinds, Cemetery Goods, Florists' Vases, Plants, Plant Holders, Sprinklers, Sprayers, Ribbon Cabinets, Ribbons, Wheat Sheaves, Prepared Wreaths, Cycas Leaves, Decorative Letters, Shipping and other Boxes, Glassware, Metallic and Wax Flower Designs, Baskets and the host of other things necessary to conduct a florist business. A copy of this catalog should be in the hands of all florists located within the territory catered to by this firm.

S. J. REUTER & SON, Inc., Westerly, R. I.—Price List for 1910 of Roses, Carnations and Chrysanthemums. This is a 12-page publication, printed on good paper and well illustrated with fine half-tones. In Roses, the standard forcing sorts are illustrated, and it is explained that all cuttings are taken from thrifty, strong-growing, grafted plants. Nothing but the best English Manetti is used in the grafting. The list of Carnations includes the best introductions of the year, such as Dorothy Gordon, Mrs. C. W. Ward, Sangamo, Alma Ward, Mary Tolman, Admiration, Shasta, Conquest and Pink Delight, besides the best of the standard varieties. In Chrysanthemums, several of last Fall's novelties are listed, as well as the most popular in standard varieties. The cover of the catalog is ornamented with a splendid reproduction of Rose White Killarney and a Winter view of three of the company's ranges at Westerly, R. I.

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Radiance

A seedling from Cardinal, a brilliant rosy carmine with opaline tints in the open flower. The form is fine, large, with cupped petals, bud long, brilliant, radiant, with extra long stems, a constant bloomer, fragrant, foliage abundant and of splendid substance.

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Ready for delivery March 15, 1910

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LIST OF 200 ROSES

Bumper crops for Spring delivery.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD, OHIO.

Please mention the Exchange when writing.

F. E.—The Best Advertising Medium

ANNUAL SPRING TRADE EDITION

March 19, 1910

OUR first Spring Trade Edition was issued in March, 1890, consequently this forthcoming issue will be our twenty-first—**and every one a success.**

Despite competition and the business changes of a score of years, our Spring Trade Edition has always met with the hearty support of our advertisers. Years ago we called it our

Spring Trade, Sale, Mart and Exchange Number

BECAUSE IT CLEARED UP STOCKS

From now on, hundreds of growers have surplus stock to dispose of, while other thousands of growers are waiting to buy from these advertisers. Therefore,

If you have any Stock to Sell / If you have to Buy any Stock } ***Try This Issue***

Advertisements should reach us by or before March 16—**that's next Wednesday week.**
Try an inch, a column or page advertisement, according to your requirements.

"JUDICIOUS ADVERTISING PAYS"

Pubrs. THE FLORISTS' EXCHANGE

New York

Chairman W. F. Sheridan of the New York Florists' Club dinner committee, says he hopes all members of the Club who intend to be present at the dinner on March 17 will notify him as soon as possible, in order that satisfactory seating arrangements may be made. Judging from the many requests for seats in the hands of the committee, the affair will be the "best ever."

In speaking of the condition of the flower market at the present time, one wholesaler remarked that "ten cases of Sapolio would not be sufficient to clean up the street."

R. Scheuermann, a jeweler of Madison, N. J., has in his store window the cups donated by Moore, Hentz & Nash, to be awarded to the exhibitor of the best six Roses at the coming show of the American Rose Society, March 16. The cup is valued at $50, and it is now up to every Rose grower to look over his stock and put up an exhibit. See schedule of premiums for requirements.

Ford Bros. are offering a fine lot of Candytuft plants in 4-in. pots, in full bloom. These should make desirable plants for many purposes, as the keeping qualities of the flower are well known.

The warm rainy weather has been quite a factor in the cut flower business the past week, and to it is attributed much of the slump that is now noticeable in all lines of cut flowers. The market is also in "bad," owing to the fact that many growers who are unable to find an outlet in Philadelphia are sending their stock to this city.

Fleischmann's store in the Hudson Terminal Building is now open for business.

In the store of the Manhattan Flower Market on 28th st. some cut branches of Lilac were seen last week, which had been brought from Holland by a nursery agent, with the idea of testing the shipping qualities. Judging from the appearance of the samples after being cut two weeks, it would look as though New York retailers will be handling Holland grown Lilac next year.

James Park, a well-known figure in florist circles, and for several years superintendent for Thomas A. Edison, died in Brooklyn, Feb. 19.

Doubleday, Page & Co., the well-known New York publishers are to remove their plant to Garden City. In the plans covering new buildings to be erected, and the lay-out of the grounds, there are some notable horticultural features. It is understood that one or two greenhouses will be erected on the grounds.

James Gall, widely known in this country and in Europe as a designer of public parks, and who rendered valuable assistance in the laying-out of Central Park and Prospect Park, died on Feb. 19 at his home, Preakness, near Paterson, N. J., of ailments incident to old age.

John F. Sharkey has had a new sign hung in front of his store on E. 28th st., which announces that he is a wholesale and retail florist.

Alex. McConnell has been taking advantage of the mild weather, to make a fine display of potted bulbous stock, and sprays of Lilac and Forsythia outside his store on Fifth Ave. This display is very interesting and causes the passer-by to stop to look at the Spring flowers.

An air of mystery pervades the atmosphere around The Flower Shop, 136 W. 42d st. The store is closed, no stock in the ice box, while the window is filled with cut flower boxes of all descriptions.

M. A. Bowe continues to be busy. His store window was attractively decorated this week with Orchids and Acacia, as well as Shamrocks, Carnations and other good things in the floral line.

Extensive alterations are being made in the store of Fleischmann, corner of Fifth ave. and 42d st., which when completed will allow a large part of the store to be occupied by the Holland Art Galleries.

Thos. Young, Jr. has been featuring single Violets, attractively put up in gilt baskets, the handles of which were decorated with ribbon to match the flowers.

Thorley's House of Flowers was this week tastily decorated with yellow Callas and purple Lilac plants, while at the entrance to the store small boxes of Crocus in bloom gave a dainty touch of Spring to the surroundings.

Poeticus ornatus is now on the market.

Phil Kessler is handling some fine sprays of Deutzia gracilis.

Baby Rambler Rose plants in full bloom have made their appearance in the windows of nearly all the uptown stores; they are exceptionally well budded, and add considerably to the decorative features of windows.

P. McKenney has a decided novelty in his store window at 42d st. and Fifth ave. It is a globe containing a natural Killarney Rose, preserved in cologne and alcohol, the wonder of which is how so large a flower could have been passed through the small neck of the globe. This novelty retails at about $15.

Chas. H. Totty of Madison, N. J., has been elected corresponding member for America of the National Chrysanthemum Society of England.

Pittsburgh

The past week's trade was not over brisk. Stock was plentiful and prices were very changeable. Carnation by the thousand went as low as $12 to $15, and Rose at correspondingly low prices. Lilies range from 8c. to 12c. with a fair demand. Violets are very cheap. Bulbous stock is abundant, particularly Tulips. Weather conditions have changed somewhat; March came in like a lamb, thermometer close to 60° and rain, good weather for handling plants and lots of them are being offered, but go slow. Good pot plants of Hyacinths, Tulips and Daffodils are in most demand.

The rain and sudden thaw caused our rivers to rise and reach flood stage, which will do some damage to business houses in the low district of the city. W. C. Beckert, the seedsman, whose place is near the Allegheny River has water in the cellar, but will not likely get it in the store room this time, unless heavy rains should continue to fall. Mr. Beckert who has for years past suffered considerable loss from high rivers, the water reaching a height of about 6 ft. in the store room, flooding counters, shelving, etc., has made a great improvement the past year to avoid these losses. His show cases and all wall cases, bins, etc. are so arranged that they can be drawn up towards the ceiling in very short time, away from all danger of any possible flood.

It is not often that a city railway company sues an individual or firm for damage done to their cars by a vehicle running into them and causing damage; nine times out of ten it is the reverse. The Pittsburg Railway Co. filed suit against Randolph & McClements, the well-known East End florists, asking $1000 damages. It is alleged that while a car was passing along Center ave. E. E., it was struck by a large automobile owned by the firm and damaged the car to the extent of $1000.

Mrs. Victor Bergman, wife of Victor Bergman of Chicago, is visiting her parents Mr. and Mrs. Gustavus Ludwig, on the North Side.

James Moore, supt. of the North Side parks, has the sympathy of his many friends in the loss of his father, John Moore, who died during the week at a ripe old age.

Peter Demas, of the Florists' Exchange wholesale cut flower house, contemplates a trip to his old home in Greece, where he expects to have a royal time.

E. C. REINEMAN.

Cincinnati

Lent is still King, and while business is fairly good we could do considerably more. Prices are continuing very fair considering the quantity of stock that is coming in. The only real scarce article now is white Roses; these are in demand for funerals more especially. At the present writing (Feb. 28) the Ohio River is coming up very fast, having risen about 8 ft. in the past 24 hours; rain commenced Saturday night and continued over Sunday, dissolving the large amount of snow which still remained. The back waters will undoubtedly cause considerable damage to the market gardeners in the Mill Creek Valley, which it does every year about this time; the florists will not be affected much unless the water passes 55 to 58 ft.; when it reaches this state it is apt to cause some trouble by putting out the fires in the boilers.

Lester Benson of Indianapolis was in the city Feb. 27. Joe Maunders, who bought Mr. Benson's place in Newport, Ky., I understand, has now bought the real estate in connection with the store, which gives him full charge. Mr. Benson reports doing a good business in Indianapolis.

E. G. GILLETT.

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THE FLORISTS' EXCHANGE

2-8 Duane St., New York.

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Is the most effective insecticide now on the market for the destruction of the MEALY BUG, BROWN and WHITE SCALE.

Others may claim their remedy to be "just as good,"—but we claim ours to be better,—and have publicly proven this beyond a doubt.

We also claim Aphine to be no less effective against Green, Black and White Fly, Red Spider and Thrips.

We are prepared to guarantee a uniform product at all times and one that will do all we claim for it.

For Green, Black and White Fly it is used at the strength of 1 part Aphine to 40 parts water.

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For Mealy Bug, White and Brown Scale, 1 part Aphine to 15 parts water

Price $2.50 per gallon.

Aphine is becoming universally recognized as the leading general insecticide for the greenhouse and garden.

Your spring order will not be complete if it does not include Aphine.

If your supply house does not yet handle Aphine, write us for names of our nearest selling agents.

APHINE MANUFACTURING CO., Madison, N. J.

Please mention the Exchange when writing.

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Firms Who are Building

GROVEVILLE, N. J.—William Robinson is contemplating the erection of a greenhouse.

PLYMOUTH, MICH.—William Sutherland is erecting a second greenhouse on his farm south of this town.

SISTERVILLE, W. VA.—Thomas H. Huston of the South Side is to build a large greenhouse this Spring at Hanford City.

SCRANTON, PA.—The Director of Public Works, C. V. Terwilliger, will superintend the erection of a 120 ft. greenhouse of ornate design in Nay Aug Park, the gift of John Cleland.

Setting Vines to Living Trees

When vines are set to run up old living trees it is often a difficult matter to get them to thrive, for the reason that there is but little soil near the trees, and what there is the roots of the trees demand. It is an old plan, yet new to many to select vines with long tops, and then to plant them at some distance from the trunk of the tree, burying the shoots of the vine underground until they reach the trunk of the tree. In this way the roots of the plants are far enough away from the tree and more soil is available for them; and as the shoots are carried under ground to the tree they are out of harm's way. When the vines are of a nature that root readily from the shoots, the buried portions soon take root, which is all in favor of the well doing of the vines. The several Ampelopsis, Honeysuckles, Clematis and Trumpet Vines all make root from such buried shoots, so that the plan is a good one in every way.

When trees are dead the vines can be planted close to their trunks, as there is then no competition for the food in the soil. J. M.

LEXINGTON, KY.—Michler Bros. are erecting an office on Maxwell st.

DECORATION DAY ROSES

The right time to buy Roses is when they are fresh and well ripened. Roses potted up in the Winter become better established and force better, and are more satisfactory in every way, and you can retard or force them at your leisure.

Rose, Frau Karl Druschki

Hardy Hybrid Roses

We offer extra-strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name:

Price, 75c. for 5 (of one variety), $12.00 per 100, $110.00 per 1,000 (immediate delivery)

Abel Carriere. Crimson.
Alfred Colomb. Carmine-crimson.
Anne de Diesbach. Bright carmine.
Ball of Snow (Boule de Neige). Pure white.
Baron de Bonstetten. Blackish crimson.
Baroness Rothschild. Satiny pink.
Capt. Christy. Flesh color.
Clio. Satin blush.
Duke of Connaught. Rosy crimson.
Duke of Edinburgh. Bright vermilion.
Eugene Verdier. Crimson-violet.
Fisher Holmes. Dark crimson.
Fran Karl Druschki. The finest white.
Gloire de Margottin. Dazzling red.
Gen. Jacqueminot. Brilliant crimson.
John Hopper. Bright rose.
La France. Pink.
Mme. Charles Wood. Bright carmine.
Margaret Dickson. White, with pale flesh.
Marshall P. Wilder. Cherry-rose.
Magna Charta. Dark pink.
Mme. Gabriel Luizet. Satiny pink.
Mrs. John Laing. Satiny pink.
Paul Neyron. Dark pink.
Perle des Blanches. White.
Persian Yellow. Yellow.
Prince Camille de Rohan. Dark crimson.
Ulrich Brunner. Cherry-red.

For prices see above

Baby Rambler Roses

BABY DOROTHY. The same in habit as Baby Rambler, but the color of the flowers is similar to Dorothy Perkins. It makes an excellent pot plant for forcing. Price for strong, field-grown plants, 85c. for 5, $16.00 per 100.

CATHERINE SEIMETH. A White Baby Rambler Rose, larger and better flowers than the type. White with yellowish center. 85c. for 5, $15.00 per 100.

MRS. WM. H. CUTBUSH. Color intense crimson and exceptionally free-flowering. 85c. for 5, $15.00 per 100.

MME. NORBERT LEVAVASSEUR (Baby Rambler). Strong, field-grown plants. 85c. for 5, $15.00 per 100.

THE TREE BABY RAMBLER. (Grown as a Standard.) The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. 40c. each, $3.75 for 10, $35.00 per 100.

BABY DOROTHY. (Grown as a Standard.) For description, see above. 75c. each, $6.25 for 10, $60.00 per 100.

Something New in Roses for Florists

Half Standard Baby Ramblers

These are Baby Ramblers, grown on stems or standards about one and half feet high, and will be a novelty for your trade you cannot profitably overlook. They are offered for the first time in this country in the following varieties:

BABY DOROTHY (Half standard). Deep pink. 60c. each, $6.00 per doz., $45.00 per 100.

BABY RAMBLER (Half standard). Crimson. 45c. each, $4.50 per doz., $35.00 per 100.

BABY CATHERINE SEIMETH (Half standard). White. 45c. each, $4.50 per doz., $35.00 per 100.

BABY "STARS and STRIPES" (Half standard). White and red grafted on the same plant; most attractive. 50c. each, $5.00 per doz., $40.00 per 100.

Ramblers and Other Climbing Roses

PAUL'S CARMINE PILLAR. Flowers large and free; color rosy carmine. Two-year-old, field grown. 85c. for 5, $15.00 per 100.

CRIMSON RAMBLER. American Grown. The only stock for forcing. Large heavy plants, two years old, mossed and packed in bundles of 10, 3 to 4 feet, $1.25 for 10, $12.00 per 100; 4 to 5 feet, $1.75 for 10, $15.00 per 100; 5 to 6 feet, extra heavy, $2.25 for 10, $20.00 per 100.

DOROTHY PERKINS. Lovely shell-pink color. $1.25 for 10, $12.00 per 100.

TAUSENDSCHON. The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. $2.25 for 10, $20.00 per 100.

LADY GAY. A seedling from the popular Crimson Rambler, which it resembles in habit and general effect. The flowers are of a delicate cherry-pink color, which fades to soft white. Strong plants, field-grown, 4 to 5 feet. $1.75 for 10, $15.00 per 100.

Flower of Fairfield — The Everblooming Crimson Rambler

This variety is a sport from the beautiful Crimson Rambler, is similar in color, more brilliant and lasting than the old favorite. It also possesses the further advantage over the Crimson Rambler in the fact that it flowers profusely on the young wood the first year. Flower of Fairfield is a vigorous grower and free bloomer. It starts to bloom early in the Spring and continues until late in the Autumn. It is rightly termed "perpetual blooming." 40c. each, $3.50 for 10, $30.00 per 100.

Veilchenblau (Violet-Blue)

It has long been the desire of rosarians to secure a blue Rose. In Veilchenblau we have practically approached this color. The steel-blue flowers of this new Rose appear in large clusters, are semi-double, of medium size and keep in bloom a long time. The showy yellow stamens contrasting with the blue flower, give the whole a striking appearance. 60c. each, $5.75 for 10, $55.00 per 100.

ARTHUR T. BODDINGTON

Seedsman 342 West 14th St., NEW YORK CITY, N.Y.

Coming Exhibitions

New York, March 16-18, 1910.—Exhibition of The American Rose Society at the American Museum of Natural History, 77th st. and Central Park West. Secretary, Benjamin Hammond, Fishkill on-Hudson, N. Y.

Boston, Mass., May 26-30, 1910.—Great Exhibition of Orchids and other plants by the Massachusetts Horticultural Society. Secretary, William P. Rich.

Indianapolis

From present indications there should be a plentiful supply of Lilies and other seasonable plants for Easter. The shortage of the past few years in Lilies has taught the growers to discount the usual loss in this line in making estimates.

E. J. Fancourt of Pennock-Meehan Co., Philadelphia, waited on the trade in Indianapolis last week. He has a fine line and reports business good everywhere.

Harry Green of Bayersdorfer's, Philadelphia, was here on his regular trip.

John Bertermann has purchased a new auto and is learning the art of chauffeur.

Tomlinson Hall Market reports a busy week. Better weather permitted the marketing of more goods.

Fred Kiel of Bertermann's is on the sick list.

Mrs. Braendlein is cutting fancy Mignonette.

The E. G. Hill Co. is sending nice Callas to this city.

Dave Kelly of Franklin is a weekly visitor.

Miss Vesey of Fort Wayne is spending a little time at the Indianapolis Art Institute.

Ed. Rankin is preparing for a number of improvements at his College ave. establishment.

It is sincerely hoped that March will take on the form of a lion in business quarters and establish a new record for the initial Spring month. I. B.

St. Louis

E. J. Fancourt, representing S. S. Pennock-Meehan Co., of Philadelphia, called on the trade last week.

E. W. Guy and Henry Emmunds of Belleville made friendly calls last week and report fairly good trade in their line.

Prof. C. Stuart Goger of the University of Missouri says he has had successful results experimenting with radium in changing color and species of flowers and plants; he planted several seeds of Oats with tubes of radium and they grew twice as fast as without.

Louis A. Geiger is now with Grimm & Gorley having given up his store on Maryland ave. He has taken charge of the cut flower department at the Washington ave. store.

C. De Wever made a business trip to Chicago last week; he is getting ready to enter into the wholesale plant and bulb importing business.

George Walbart and Mrs. M. M. Ayers on Grand ave. are showing a lot of fine blooming plants and cut stock. They have felt very little effects of Lent and business is running along as usual with them.

C. C. Sanders, Schray and Beyer will be well supplied with blooming plants for Easter business. A. Jablonsky has a fine lot of Easter Lilies coming on just right for Easter.

Mr. and Mrs. Charlie Young celebrated the second anniversary of their marriage on Washington's Birthday. Mr. Young is one of the officers of the firm of C. Young & Sons Co.

A meeting was held at Smith's Wholesale House on Thursday, Feb. 24, of a committee of the Florists' Club on advertising through the Club. Mr. De Wever, chairman, called the meeting, to which six of the seven responded, and drew up a report for the next Club meeting.

A meeting of retailers has been called at the Washington Hotel for Wednesday, March 2. The object of this meeting is to protect the retailers against the sale of red Violets in the wholesale district, as they say things have been going too strong of late. A report of this meeting will be published in the next issue.

The Florists' Club will hold its regular meeting next Thursday afternoon, March 10 in Odd Fellows' Building; it's going to be an important one and no member can afford to miss it.

ST. PATRICK.

Our arrangements for careful packing and prompt shipment are perfect

It will help us, and you, if we have your Easter order early

Price List : : Easter 1910

COME AND SEE OUR STOCK Any Buyer seeking quality will be well repaid by inspecting our large stock of Crimson and Pink Ramblers, Hydrangeas, Lilies, Azaleas, Rhododendrons, Spiræas, etc., etc.

The early Easter will make absolutely no difference to us. Our stock is excellent and timed just right for Easter. Send us your orders at once to insure satisfaction.

Lilies

Our stock is exceptionally good this year.
Plants from 4 to 8 blooms....at 12c. per bloom
Made up pans from 12 to 20 blooms .....at 12c. per bloom
Plants with less than 4 blooms, at 15c. per bloom

Azaleas

Our stock of Azaleas is the largest and finest we have ever had and includes:
Van der Cruyssen, Vervæneana, Emp. of India, Emp. of Brazil, Niobe, Bernard Andrea Alba, Prof. Wolters, etc., etc., at 75c., $1, $1.25, $1.50, $2, $2.50, $3, $3.50, $4, $5, $6, $7.50 and $10 each.
Pyramid Azaleas, very fine, at $3, $3.50 and $4 each.
Azalea Mollis, Anthony Koster, the best yellow, at $15 and $18 per doz.
Azalea Mollis Ass't, very large plants, at $2.50, $3 and $3.50 each.
Small Azaleas for Basket Work, at $4 per doz., $30 per 100.

Crimson Rambler Roses

These plants are unusually fine and will be just right for Easter.
6-in. and 7-in. pots..at $1, $1.25 and $1.50 each
8-in. pots .....at $2 and $2.50 each
Plants trained in fan and globular shapes, extra fine, at $2, $2.50, $3, $3.50, $4, $5 and $6 each.

Pink Rambler Roses

Lady Gay and **Dorothy Perkins**

In great condition, trained into fan, globular and pyramidal shapes. At $1.25, $1.50, $2, $2.50, $3, $3.50, $4, $5 and $6 each.
Special Ball Shapes, at $1.50, $2, $2.50, $3 and $3.50 each
Special Wire Fan Shapes..at $3 and $3.50 each
Standard Lady Gay Umbrella Shape..$3.50 each
We want to call your attention to this **Special Standard Lady Gay Umbrella** which we have in exceptionally fine condition. This, we believe, cannot be duplicated anywhere.

Tausendschon (New) "Thousand Beauties"

This was our finest Climber last Easter and this year the plants are still better. We cannot recommend the Tausendschon Rambler too highly.
Strong plants in 6-in. and 7-in. pots, at $1, $1.25 and $1.50 each.
Trained plants, Fan, Globular and Pyramidal Shapes, at $2, $2.50, $3, $3.50, $4 and $5 each.

Baby Rambler Standards

Exceptionally fine plants, 3 to 5 foot stems, at $1, $1.25, $1.50, $2 and $2.50 each.

White Baby Rambler Standards

At $1, $1.25 and $1.60 each.

Standard Double-Budded White and Red Baby Rambler on Same Plant

At $1.50 each.

Baby Ramblers

Good strong stock, well flowered, at $3, $6 and $9 per doz.

Hiawatha

The best of its color.
6-in. and 7-in. pots, trained in globular and fan shapes, at $1.25, $1.50, $2, $2.50 and $3 each.

Mrs. Cutbush (New)

Pink Baby Rambler

This is a good one, in 6-in. pots, at $6 and $9 per doz.

Baby Dorothy (New)

Pink Baby Rambler very similar to Mrs. Cutbush.

4-in. and 4½-in. pots.....at $4 per doz.
5-in. pots .....at $6 per doz.
6-in. pots .....at $9 per doz.

Hybrid Roses

We have an unusually large stock of Hybrids which will be just right for Easter; all the best varieties, including:
Richmond, Kaiserin, Mrs. Henshaw, Killarney, etc., at $6 and $9 per doz.
Magna Charta, very fine, at $9, $12, $15 and $18 per doz.

Hydrangeas

At $6, $9 and $12 per doz.
Large plants at $1.50, $2 and $2.50 each.
Hydrangea Otaksa, Standard (New), at $2, $2.50 and $3 each.

Rhododendrons

Shapely, well-budded plants, including all the best varieties, at $1.50, $2, $2.50, $3, $3.50 and $4 each.
A few larger plants in tubs, very handsome, at $5 and $6 each.

Rhododendron Pink Pearl (NEW)

The most beautiful of all the Rhododendrons, at $2.50, $3, $3.50 and $4 each.

Lily of the Valley

5-in. pots .....at $6 per doz.
6-in. pots .....at $9 per doz.

Bougainvillea Glabra Sanderiana

Magnificent plants, exceptionally well flowered, at $3.50, $4, $5, $6, $7.50 and $10 each.

Genistas

A grand stock, grown cool and just right for Easter, at $2, $3, $4, $5, $6, $9, $12 and $16 per doz.

Spiraea Gladstone

Our stock is in superb condition.
6-in. pots .....at 50c. each
7-in. pots .....at 75c. each
8-in. pots, made up .....at $1 each
9 and 10-in. tubs, made up..at $1.50 and $2 each

Pink Spiraea

Queen Alexandra, very beautiful

6-in. pots .....at $9 per doz.

Double Daisy, Queen Alexandra

Well grown and well flowered.
4-in. pots .....at $2.50 per doz.
5-in. pots .....at $4 per doz.
6-in. pots, very fine.....at $6 and $9 per doz.

Marguerites

Very well flowered, 6-in. pots....at $4 per doz.

Oranges

5-in. and 6-in. pots, 4 to 8 fruits, at 50c., 75c., $1 and $1.50 each.

Nephrolepis Scottii

6-in. pots .....at $6 and $9 per doz.
8-in. pans .....at $12 per doz.
10-in. pans .....at $1.50 and $2 each

Nephrolepis Todeaoides

The London Fern.

We have a large stock for growing on, in 2-in. pots, at $5 per 100, $45 per 1000.
6-in. pots .....at $6 and $9 per doz.
11-in. tubs .....at $2.50 each

Nephrolepis Amerpohli

The Philadelphia Lace Fern.

5-in. and 6-in. pots .....at $6 and $9 per doz.

Nephrolepis Whitmani

9-in. pots .....$2 each

Nephrolepis Scholzeli

Ready Now.

2¼-in. pots .....at $8 per 100, $75 per 1000

Asparagus Plumosus

2-in. pots .....at $4 per 100.

Areca Lutescens

Exceptionally fine stock.
5-in. pots .....at $7.50 and $9 per doz.

Dracaena Massangeana

Perfect plants, 6-in. pots, at $18 and $24 per doz.

Dracaena Fragrans

6-in. pots .....at $6 and $9 per doz.

Crotons

We have the largest stock of Crotons in America. Well colored plants.
4-in. pots .....at $25 per 100
5-in. pots .....at $50 per 100
6-in. pots .....at $75 per 100
Large plants .....at $1, $1.25, $1.60 and $2 each
Made up plants .....$2.50 to $10 each

Pandanus Veitchii

Well colored
4-in. pots .....$5 per doz., $40 per 100

English Hawthorn

8-in. pots, 3½ to 4 feet tall.....at $2 each

Standard Prunus (Plum)

Very handsome plants .....at $2 each

Wistaria (Blue)

at $1.50 and $2 each.

Flowering Apples and Almonds

at $1.60 each

Ficus Pandurata

6-in. pots, 24 to 36 inches high, at $2, $2.50 and $3 each.
Larger plants .....at $3.50, $4 and $5 each
Branch Plants ....at $2.50, $3, $3.50 and $4 each

Begonia Gloire de Lorraine

We claim to have the largest and finest stock of this grand Xmas plant in America.
All plants propagated from leaves and twice shifted. Shipped from 2½-in. pots, at $16 per 100, $140 per 1000.

Special prices on lots of 5000 plants, or over.

An early Easter makes no difference to us, we are always ready

ROBERT CRAIG COMPANY

Forty-Ninth and Market Streets PHILADELPHIA, PA.

"Craig Quality" stands out everywhere

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter.

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Boston: Robert Cameron, Cambridge, Mass.

Philadelphia: A. H. Secker, 306 Wood Building, No. 34 So. 16th St.

Yearly Subscriptions.—United States and Mexico, $1.00. Canada, $2.00. Foreign countries in postal union, $2.50. Payable in advance. Remit by Draft on New York, Post Office or Express Money Order; if paid in cash please register letter.

The address label indicates the date when subscription expires and is our only receipt therefor.

Registered Cable Address: Florex, Newyork.

Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

Our 1910 Novelty Edition

That our effort to produce a representative Novelty and Specialty edition were not wholly in vain has been attested during the present week by the many kind letters and personal assurances received this week.

It was an expensive undertaking and involved much additional labor from editors, compositors, proof readers, pressmen, binders and so on all the way down to the office boys, but as all entered into the spirit of the work with a cheerful heart, and the outcome has been most successful, the hours of extra labor are all forgotten in satisfaction with the results accomplished.

Another year it is to be hoped greater time can be given to the preparation of the Novelty edition to the end that the finished product will be more complete.

We are thankful to our friends for their words of commendation and feel encouraged to persevere.

The Postal Deficit

The Postmaster-General is back again in the fray over second-class mail matter. He insists that the magazines, which are carried at a small rate, are responsible for the deficit that turns up annually in the Post Office Department. If he could raise the rates sufficiently on this class of mail matter he is certain that he could make that deficit disappear.

So he could if he were able to raise the rates of letter postage, but no one would listen to any such a scheme.

But there is one course that the Government can pursue that would bring in a great revenue without disturbing existing policies and at the same time would benefit the public very materially. That is the enactment by Congress of a comprehensive law establishing an uptodate postal package system, such as every enlightened country save the United States has in operation.

But the bursting-with-wealth express companies will not permit of this boon.

[The above appeared as an editorial in the Philadelphia Inquirer, the third largest paper (in point of circulation) in the United States. Passing strange, is it not, that our Congressmen and Senators will not recognize the will of the people.—ED.]

ASTILBE ARENDSI.—This handsome decorative novelty is a class of Thunbergii with hybrids of Astilbe Davidi and Japonica compacta—astilboides. It is very vigorous in habit, growing to a height of somewhat over three feet, and bears magnificent panicles ranging in color from pure white to delicate cream, and from lilac pink to purplish pink. The time of flowering is rather late, July or August. While not suited for pot culture, Astilbe Arendsi is valuable as a cut flower, and is especially suited for decorations and for potting. It was originated by Georg Arends, Ronsdorf, Germany.—*Bindekunst.*

The Florist as a Nurseryman and Seedsman

Florists who have never been in one of our greater cities in seasons of glut can have but a faint idea of the sacrifice made of stock at such times. Those florists who consign to these cities are, on the other hand, painfully aware of the fact through their greatly lessened returns at such times.

It is by reason of these gluts and the all too often overstocked condition of the city markets that we advocate the policy of the grower becoming seedsman and nurserymen as well. There are a sufficient number of growers of flowers for market stock to supply our large marts for years to come.

It should be apparent to every florist who has a possible home market that he should exert himself in every way to develop this feature of his trade, the possibilities of which are far greater than the majority have as yet given heed to.

There is no good reason why the florist of the towns and villages cannot also be a seedsman and a nurseryman. Reputable growers can make advantageous connections with representative firms in both of these divisions, and thus, with three lines to handle instead of one, ensure for themselves a better livelihood as well as advance the day when it will be considered as much a lack of education to be unable to recognize the ordinary trees and shrubs as it is now so considered to be unable to spell ordinary words.

It will be readily conceded that no one is better fitted to handle seeds and nursery stock than the fairly well-informed florist grower. He already has half the battle won before he starts in for the reason that his business has fitted him for the work.

Good examples are contagious. A florist's establishment with its home grounds tastefully laid out in young trees and shrubs, annuals, perennials and bulbs, with here and there a climbing plant as opportunity offers, and beds of standard stock, such as Roses, Irises, Peonies, each flowering in their season, is a standing temptation to the house owner to improve his own property likewise. Add to this a kitchen garden, wherein the florist may familiarize himself with the seeds he is offering, and the business is well opened.

In addition to the contagious pressure of example in the way of home grounds display, the value and necessity of advertising locally must never be lost sight of.

The writer recalls a certain Summer day when he was visiting a wide-awake florist and nurseryman located near a prosperous watering place. A customer arrives and addresses the proprietor: "Mr. E., I want a hedge put up at once to divide my ground from my neighbor's; his children, servants and family are short-cutting it over my lawn and I want it stopped." Mr. E. was able to show three fine examples of hedges which be maintained for the very purpose, and an order for plants was given on the spot, although the customer was nonplussed because he couldn't get a 5 ft. hedge right off but had to wait for it to grow. In just a few minutes in came another man: "Mr. E., I have a dead tree on my place, and a friend told me you could cover it with greenery and so turn it into an object of beauty." Mr. E. had several varieties of vines climbing up old trees, showed these, pointed out their peculiarities, and—took an order, although this man, as well, with characteristic American push, was disappointed because the specimen shown could not be transplanted bodily and full grown to his own grounds.

This lesson has never been forgotten by the writer. The florist visited is a well-to-do man; he was alive to his possibilities and directed his energies accordingly.

Many recommendations have been made us with regard to the policy we are advocating, among them that florists represent the most reliable seed houses, that they do not carry their stock from one year into another, and that they do not take up with the cheap box trade, which is an objectionable feature at this present time.

There are hundreds, yes, quite likely, several thousand florists throughout the country, who could profit by being seedsmen and nurserymen as well, and their advent into the field would be welcomed by the wholesalers in these lines for the reason that it would mean increased sales and an ever widening market.

We want to see this movement spread until America leads the world in the care and interest shown by the house owner on his own grounds.

The American Rose Society

The complete schedule for the forthcoming exhibition, which is to be held at the American Museum of Natural History, Central Park West and 77th st., March 16 to 18, has been issued, and copies thereof can be had by request made to George V. Nash, New York Botanical Garden, Bronx Park, N. Y.

On page 342 of our issue of Feb. 26 we printed the full schedule of the American Rose Society for this occasion, and on page 305, issue of Feb. 19, that of the Horticultural Society of New York, the Spring show of which Society is to be held in connection with that of the Rose Society.

The prizes offered by both Societies are of a most liberal character, and the number of special prizes announced should make for a lively competition. Practically growers of every variety of Rose have the opportunity to exhibit and make a win.

With the attractive schedule and a grand hall into which thousands of people will pour (for on account of the building being controlled by the city admission will be free), surely, if ever, now is the time and New York City the place in which to bring forward the greatest aggregation of prize winning Roses ever witnessed under one roof.

Confusion in Rose Nomenclature

The German Rose Leuchtfeuer (Bright Fire), a last year's novelty [noted in our issue of June 26, 1909—Ed.], is masquerading in America under the name of President Taft. The originator of Bright Fire, the rosarian H. Kiese of Vieselbach-Erfurt, Germany, has this to say on the subject, in a recent issue of Moeller's Deutsche Gaertner-Zeitung: "A Dutch firm, which had acquired the sole rights of sale of Leuchtfeuer for America, purchasing a considerable quantity of stock, subsequently asked permission to change the name, since the Americans found it difficult to pronounce the German names. I consented, thinking that it was merely a matter of translating the name into English, perhaps into Bright Fire or Beacon, as had been done in the case of the Rose Aennchen Mueller, which was listed in the American catalogs as Anny Mueller. It was only later that I was apprised of the name President Taft. Of course I do not approve of such a change of the German name. A Rose of the first class, whatever its name, will find its place, without a high-sounding appellation. It seems, however, that the name Leuchtfeuer has become quickly popular in America, as is shown by the many inquiries which I have received. Of course, I have referred all such to the Dutch firm which has acquired the sole rights of sale for America." The confusion of name is, however, still increased by the fact that there is a Taft Rose different from Leuchtfeuer, namely a cross of Mme. Abel Chateuay and the Tea Rose Mme. Cusin, originated by Frank Huntsman in Fort Thomas, Ky., and sold by the Hyde Park Rose Co. of Cincinnati. This Taft Rose is designated as a pink Kaiserin. But it does not appear to be suited for early forcing.—*Moeller.*

A New French Rose

ORLEANS-ROSE.—This is a variety of the series of the Polyantha types, a cross of Mme. Norbert Levavaseur with an unnamed variety. It is a profuse bloomer, in habit like Mrs. W. Cuthbush, though with the advantage of having its abundant buds on a very straight stem. The flowers are clustered in immense panicles, which rise well above the foliage. The color is a geranium red, tinted like Paul Neyron, with a whitish center. The bush is very vigorous, growing to a height of 18 to 27 inches. The foliage is of a handsome, shining green color; it is entirely hardy and free from cryptogamic maladies. Exceedingly decorative in appearance, this Rose will prove especially effective in mass and in baskets; it is also a fine Rose for forcing and for pot culture. It was awarded a gold medal by the French Society of Horticulture of Orléans and of Loiret. It will be put on the market by Levavaseur & Fils, Orléans, France.—*Revue Horticole.*

Some New German Roses

EISENACH, Wichuraiana Hybrid Tea. The flowers of this handsome novelty are a brilliant red, with white star center, resembling the Cratægus coccinea in color, though the single flowers and the panicles are much larger. The period of flowering is a long one. The variety is exceedingly effective in pyramid or bush form, and is especially adapted for large plantings, and for massing, for sloping or festoon effects, fences, arbors, and for covering rocky ground. The leaves are of medium size, shining, leathery, abundant, and not subject to any disease. The stem is very thorny. Eisenach was originated in the rosaries of H. Kiese & Co., Vieselbach-Erfurt, Germany, who designate it as the most brilliant of the single Wichuraianas.—*Rosenzeitung.*

NYMPHE, cross of Mignonette with Marechal Niel. This interesting novelty is somewhat apart from the ordinary Ramblers, as its origin shows. It is a good grower, often adding more than six feet in one year. The foliage is like that of the Niel. The flowers appear in panicles on the young stems, while those on the old wood come out singly; they have a delicious perfume. The color is pure white, and the flowers, when in full bloom, are quite round, like a snowball; they are also somewhat remontant. The originator is Robert Tuerke, Meissen, Germany, who also promises a white Levavaseur for next year.—*Rosenzeitung.*

See Announcement—on page 414—of our

Spring Trade Edition

To be Issued March 19, 1910.

Obituary

James J. H. Gregory

James John Howard Gregory, the well-known seedsman of Marblehead, Mass., died February 20, at his home in that city, in his eighty-third year.

Mr. Gregory was born in Marblehead, November 27, 1827, the son of James and Ruth (Roundy) Gregory. He was educated in the public schools of his native town, afterwards taking a two year's course at the Middlebury Academy, and subsequently entering Amherst College, from which he graduated in 1850. Leaving college he became a school teacher.

His advent into the seed business was almost an accident. He once said of it: "A man wrote to the New England Farmer for a nice Winter Squash; I heard of it and we happened to have one; my father called it, 'Marm Hubbard's Squash,' because we got the seed from an old lady by the name of Hubbard. I sent him some of the seeds; he tried them and so well did he like them that he wrote an article, which was published in a number of papers, describing the good points of the Squash. Before I realized it I was getting orders for this Squash seed from all parts of the United States, and also for many other kinds of seed and soon found I was doing a thriving business."

Mr. Gregory at the outset transacted this business at his home, but later used a small building which his father had used as an office, again later building a 10-ft. addition to it. This small building is still to be seen beside the present large seedhouse. In 1863 he built a store, and from time to time enlarged it, until the business reached the proportions of today. At one time his extensive seed farms, comprising over 400 acres, were located in Middleton, and he made a specialty of growing particular varieties of vegetables, and introducing new varieties.

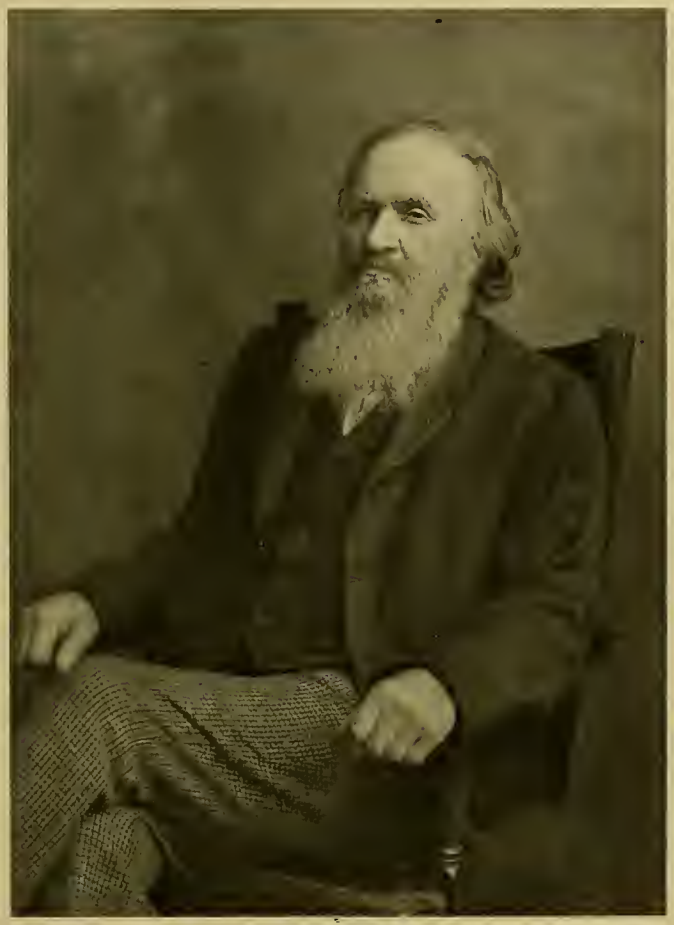
The deceased was noted for his great charity, and a record of the many kindly acts performed by him would fill a volume. During the famine in India he was especially active, sending from his storehouses large quantities of seed Corn which aided materially in the securing of a new crop for the relief of the starving natives. Only a few years ago, after a period of agricultural depression he sent large quantities of seed gratuitously to the citizens of Nebraska. In 1873, a time of financial depression, he established a bread station in Marblehead, giving away daily many loaves of bread.

Notwithstanding the accumulation of great wealth, Mr. Gregory always lived modestly, and took much pleasure in providing funds for southern colleges, churches and other good works. He has presented to every male member of the graduating classes of the colored colleges of the South a character forming book and established a fund for the continuance of this gift for all future time. Jails, public institutions, and individuals have all experienced his generosity in the distribution of books, the gifts at times amounting to over 3000 volumes per annum. He gave the bell and clock in Abbott Hall tower to his native town, and created a fund for the use of the public library; he also gave many valuable paintings and engravings to the town, and which are now hanging in Abbott Hall.

Mr. Gregory was a most active man, his mind and body ever busy. He was exceedingly well informed, and was a prolific writer on many subjects, including, besides matters horticultural, historic lore, art and geology; he was also noted as a lecturer. His particular hobbies, perhaps, were the collection of Indian relics, and shells, of which he possessed thousands.

He was quite prominent in public life. He served his town as a selectman, a library trustee, a school committeeman, and as a member of a committee to seek a water supply. In 1876 and 1877 he was elected as the joint candidate of the Republican and Prohibitionist party as a State Senator for his district which included the city of Salem and the towns of Beverly and Marblehead. During his period of service he was the cause of bringing the State Board of Agriculture into a higher state of efficiency. For many years he was the vice-president of the Essex County Agricultural Society, and superintendent of the old South Church Sunday school.

Mr. Gregory married (first) Eliza C. Bubier, (second) Mrs. Harriet R. Knight, (third) Sarah Lydia Caswell, the last surviving him. He had no children of his own but adopted four, all of which survive him, Anna (Gregory) Burroughs of Long Hill, Conn.; Laura (Gregory) Coffin of Marblehead, James H. Gregory of United States of Columbia, South America, and Edgar Gregory of Marblehead, who succeeded his father as proprietor of the seed business in 1907, and will continue the business.



James J. H. Gregory

George W. Schroyer

George W. Schroyer, the pioneer florist of Lancaster county, Pennsylvania, passed peacefully away at his home, 641 Harrisburg ave., Lancaster, on Tuesday, February 22, in his ninety-second year.

Mr. Schroyer was a son of Col. Christian Schroyer, a man of prominence in his community, and was born at Lewisburg, Union county, on September 9, 1818. He received a primary education in the district school, and in an evening writing school, rounding it out with a short term at a grammar school. When eighteen years old he started out in life to learn the printing trade, obtaining a position on "The Keystone" published at Harrisburg, where he rose to be foreman. While residing in that city he married, in 1845, Miss Annie E. Thompson. In the Fall of the same year he bought "The Spy," a Columbia journal, but sold it two years later, returning to Harrisburg where he remained until 1854 when he removed to Lancaster and worked on well known journals of that day, finally associating himself with the "Daily Evening Express" which started in the Fall of 1856, where he continued in the capacity of foreman until 1862, when he resigned to engage in outdoor pursuits, necessitated by ill health. It was at this stage that he entered the horticultural business. He bought a fruit farm of seven acres, and at first grew fruit and vegetables, but soon changed to the nursery business, becoming Lancaster's pioneer florist. It was on this estate he made his home, and where he died, leaving behind him a flourishing business, in which was associated his son, Harry A. Schroyer, who is also treasurer of the Lancaster City School Board. Mrs. Schroyer died nearly 20 years ago.

Mr. Schroyer was a wonderfully well preserved man, appearing no older than many men at least a score of years younger, and his keen intellect and memory were unimpaired to the last. His reminiscences of the olden times were most entertaining, and his political stories practically covered the history of the State. He always took great pride in the fact that while he was working as a printer in Harrisburg it fell to his lot to set up the charter for the Pennsylvania Railroad Co. in 1836, and, in recognition of this connection with the great corporation when it was in its infancy, he was invited to the celebration of the fiftieth anniversary of the company in Philadelphia in 1886.

The deceased was highly esteemed in his community, and leaves a host of sorrowing friends.

Francis G. Dwight

Francis G. Dwight, a well-known seedsman of Reading, Pa., died at his home in that city on Feb. 26, his 82d birthday anniversary, as the result of a stroke of paralysis. He had been in failing health for three years, during which time he suffered four slight strokes.

Mr. Dwight was born in Reading, and lived there all his life with the exception of four years spent on a farm at Exeter. He was the first seed dealer to start in his city, opening at 512 Penn st. Later he moved to No. 518 on the same street, and still later to No. 843, the latter change made necessary by the increase in his business. Five years ago ill health compelled him to retire from active work. He is survived by a widow, nine children, nineteen grandchildren, and one great-grandchild.

Maurice Butterfield

Maurice Butterfield, a pioneer nurseryman of Lee's Summit, Mo., and one of the organizers of the Missouri State Horticultural Society, died, Feb. 20, in Winona, Tex.

Mr. Butterfield located in Lee's Summit in 1868, and started the Lee's Summit Star Nurseries, which he conducted up to the time of his death. In 1900 he went to Farmington, Mo., and started the business of the Farmington Nurseries and Greenhouses. Recently he went to Texas for the benefit of his health. He is survived by a widow and eight children. He was a member of the F. & A. M., under whose auspices the funeral was held at Farmington.

The Nut Growing Industry

Since the organization of the National Nut Growers' Association, about eight years ago, important and various changes in the industry are noticed. Interest and commercial operations are thus far most active in Southern territory where the Pecan is at home. Interest in other nuts and in other localities, have been increased by the activity in Pecan culture.

However, there is scarcely a section of the country in which at least some of the best known nuts cannot be grown. The Pacific coast has its commercial orchards of English Walnuts and Almonds. Texas gathers and markets native seedling Pecans, while the Southeastern portion of the United States is now moving in the commercial growing of the Pecan.

Ten years ago Southern nurserymen catalogued and sold seedling Pecan trees to considerable extent, but, with the advent of budded and grafted Pecan trees, the business went largely into the hands of specialists who have found ready sale each year for largely increased quantities of stock of this kind. In 1902, fully 95 per cent. of Pecan trees sold by nurserymen were seedlings; five years later, 95 per cent. were budded and grafted stock. While there are several large nut nurseries in Georgia and Louisiana, and numerous smaller ones at many points, yet the greatest activity is found at a few points. Ocean Springs, Miss., was one of the first places to come into notice in this particular and now has half a dozen well-established nurseries following this specialty. There crown grafting seems to be the favored method.

At Monticello, Fla., there are at least six large nurseries and all, with one exception, are making a specialty of Pecans. At this point annular budding is practiced largely. The production of stock at this and several other nearby points has been increasing at the rate of nearly 50 per cent. annually and now stocks are cleaned up earlier than usual. The bulk of this stock is taken by the commercial orchards which are being planted at many points. In southwest Georgia and west Florida the planting this season in commercial orchards alone will reach fully 2500 acres if the supply of trees will permit. Some of the largest orchards, however, are being started in Louisiana.

Recently, the successful top working of Hickory to Pecan in Texas, Louisiana and Georgia, has excited much interest and large operations in this line are being planned. This is a very important movement as it promises to greatly extend the Pecan producing area northward. There seems to be a promising field for the propagation of improved varieties of Hickory and other nuts in sections of the country where the native seedlings are found.

With the increased attention now being given to nuts as food, as they furnish protein and fat in preferable form to meat, it seems probable that nurserymen in all parts of the country may have an important and profitable new line in the production of nut nursery stock.

Poulan, Ga. DR. J. F. WILSON.

MIDWINTER EXHIBITION
MASSACHUSETTS HORTICULTURAL SOCIETY
BOSTON, MASS., FEB. 26 to 28, 1910

The Midwinter exhibition of the Massachusetts Horticultural Society which opened on Friday, Feb. 25, and continued through Saturday and Sunday, was a great success financially and otherwise. The attendance on Saturday and Sunday was quite satisfactory. This is the first Midwinter exhibition the Society has held and the committees in charge were rather doubtful of its success as the weather is so changeable at this season. The thermometer registered zero around Boston the morning the exhibition opened, nevertheless the exhibitors came thick and fast, and when the doors were thrown open at noon to the public, they saw some of the finest plants and flowers that have been staged for many a day in the different halls.

There were two remarkable groups. One of Orchids, another of Amaryllis.

This exhibition was peculiar in that in days gone by the private gardener predominated, while in this instance florists and growers outnumbered the private gardener. The trade exhibits filled the greater part of the halls and it will be seen from the list of awards that the florists captured some of the best prizes.

As one entered the lecture hall attention was at once drawn to a magnificent display of Sweet Peas by William Sim, which covered one end thereof. On the left was a row of well-grown specimen plants of Erica melanthera, about four feet high, from Thomas Roland of Nahant. On a long table in front of the Heaths was an exhibit of baskets of flowers from the leading retail florists of Boston. These attracted great attention and were much appreciated. Special mention should be made of Sydney Hoffman's baskets which were especially well done and we cannot understand why they did not come in for a prize.

Right in the middle of the lecture hall was a fine group of flowering plants, including Cyclamens, Primroses, Genistas, etc., interspersed with graceful Palms, from R. & J. Farquhar & Co. This group was very artistically arranged and Mr. James Farquhar deserves much credit for it.

A remarkable group of Amaryllis was shown by Mrs. Montgomery Sears. They were the finest that have ever been shown before the Society and won a well deserved gold medal.

On the right of the hall the Carnations were staged and we have seldom seen a better exhibit anywhere; the blooms came from all over the country.

Roses were rather scarce, but those staged were of excellent quality and much admired. We would feel much pleased if the Rose growers would show as much enthusiasm as the Carnationists.

Julius Roehrs Co. had a nice exhibit of Orchids and A. Zvolanek a display of new varieties of Sweet Peas.

The main hall was devoted to plants in pots arranged for effect. On the steps of the loggia were well grown plants of Acacia longifolia from Thomas Roland and Acacia heterophylla from Dr. G. C. Weld. Cyclamens were not quite up to the standard of former years, probably it was a little too early for them. Those in competition for Cyclamens were Dr. Weld, Edward J. Mitton of Brookline and Jason Bailey of West Roxbury. On the left was a grand display of flowering and foliage plants from MacMulkin, the florist. This group was not entered in competition.

Primula obconica was very good, especially those from Martin Sullivan. Primula Kewensis was especially well grown and these will make a valuable acquisition for florists. Some splendid specimen plants of Begonia incarnata, an improved variety grown by Daniel White, gdr. to Winthrop Ames, were shown. This Begonia, when grown as these were should make a good Easter plant; it is well worthy of consideration for that purpose.

The Langwater Gardens' (North Easton) exhibit of Orchids was the largest and most comprehensive we have ever seen in the hall. W. N. Craig, the gardener, deserves much credit for having the courage to take out such a valuable collection in zero weather. We can only mention a few of the choicer things in this unique group which won a well-earned gold medal.

Lælia anceps alba (pure white); L. a. Schroederæ, white; L. a. Schroederiana, white; L. a. Dawsoni, white; L. a. Stella, white; L. a. Sanderiana, white; L. a. Amesiana, rich crimson maroon cup; L. a. Protheriana; L. a. Winniana and L. a. Hillii.

Cypripedium×Olivia (tonsum×Nereum); C. insigne Sanderæ; C. i. Ernestii; C. i. Amesianum; C. Villosum marginatum; C. Sallieri aureum.

Dendrobium×Luna; D.×Edithæ; D.×Euryalis; D.×Juno; D.×cybele; D.×Chrysodiscus; D. nobile pulchellum; D. n. Virginale; D. n. Balleanum; D. n. Nobilius; D. n. Ameslæ; D. n. majus.

Cattleya Trianæ alba and C. T. Leeana; Lælia×Bella; Cattleya×Eurydice.

William Edgar Co. of Waverly had a nice group of well-arranged foliage and greenhouse flowering plants, which won third prize.

Mrs. John L. Gardener had some rich Chorozema in her group, which contained more flowering plants than the other groups.

A. Leuthy Co. won first prize for a well-arranged group made of some excellent clean well-grown plants.

Bulbous material was not up to the usual standard and there were fewer exhibits than in former years.

There was only one exhibit of Cinerarias.

Violets were very fine indeed, and there was quite a display. Lily of the Valley was good.

Lager & Hurrell had a good exhibit of Orchids. The exhibits of Orchids from New York and New Jersey growers are very acceptable and are always an attraction.

The awards were as follows:

Awards

Palms—Three varieties not less than eight feet high.—1, William Whitman.

Hard wooded plants (Azaleas, Acacias, Ericas, etc.)—1, Mrs. J. L. Gardner.

Group of flowering and foliage plants covering 100 sq. ft.—1, A. Leuthy & Co.; 2, Mrs. J. L. Gardner; 3, W. E. Edgar.

Primula Kewensis, six plants in not less than seven-inch pots.—1, Mrs. Frederick Ayer; 2, Winthrop Ames; 3, Dr. C. G. Weld.

Primula stellata, six plants in not less than six-inch pots.—1, Mrs. J. L. Gardner, 2, William Whitman.

Primula obconica varieties, six plants in not less than six-inch pots.—1 and 2, William Whitman; 3, Mrs. Frederick Ayer.

Cyclamen, 24 plants in not over seven-inch pots.—1, Dr. C. G. Weld.

Twelve plants in not over seven-inch pots, commercial growers excluded.—1, Jason S. Bailey (gdr. William McGillvray); 2, E. J. Mitton; 3, J. S. Bailey.

Six plants in not over 10-inch pots.—1, Dr. C. G. Weld; 2, E. J. Mitton; 3, J. S. Bailey.

Hyacinths, six plants, not exceeding 10 inches, six bulbs of one distinct variety in each.—1, William Whitman.

Single pan, not exceeding 12 inches, with 10 bulbs of one variety.—1 and 2, Mrs. J. L. Gardner; 3, William Whitman.

Early Tulips, six eight-inch pans, nine bulbs of one distinct variety in each.—1 and 2, William Whitman.

Narcissi, collection of large trumpet varieties.—1, William Whitman; 2, Mrs. J. L. Gardner.

Collection of short trumpet varieties.—1 and 2, William Whitman; 3, Mrs. J. L. Gardner.

General display of Spring bulbous plants, all classes, to be arranged with foliage plants.—1, William Whitman.

Specimen Orchid.—1, Mrs. H. F. Durant (A. Watt, gdr.)

Roses

Twenty-five Killarney.—1, W. H. Elliott.

Twenty-five any other pink varieties.—1, Brant Bros., with Bridesmaid.

Twenty-five White Killarney.—1, W. H. Elliott.

Twenty-five Richmond.—1, Montrose Greenhouses.

Twenty-five any other variety.—1, Brant Bros., with Bride; 2, W. H. Elliott, with Safrano.

Carnations

Fifty white.—1, M. A. Patten, with White Perfection; 2, M. A. Patten, Shasta; 3, Chas. S. Stroud, white 170.

Fifty Enchantress shade pink.—1, S. J. Goddard, Pink Delight; 2, M. A. Patten, May Day; 3, Geo. E. Buxton, Pink Delight.

Fifty Winsor shade pink.—1, M. A. Patten, Winona; 2, M. A. Patten, Winsor; 3, S. J. Goddard, Winsor.

Fifty Lawson shade pink.—1, S. J. Goddard, Helen Goddard.

Fifty scarlet.—1, M. A. Patten, Beacon; 2, C. S. Stroud, Beacon; 3, S. J. Goddard, Beacon.

Fifty crimson.—1, Backer & Co., Harry Fenn; 2, S. J. Goddard, Ruby; 3, M. A. Patten, Sara Nicholson.

Fifty white variegated.—1, A. Roper, Bay State; 2, M. A. Patten, Bay State.

Fifty yellow variegated.—1, M. A. Patten, Hattie Starritt; 2, Backer & Co., 14A.

One hundred, any one variety, with foliage.—1, Peter Fisher.

Vase of 100 blooms, in not less than four varieties, arranged for effect.—1, S. J. Goddard; 2, M. A. Patten.

Fifty blooms of the best new named variety, not in commerce.—1, Winthrop Sargent, with Wodenethe, white.

Miscellaneous

Sweet Peas, six vases, 100 blooms each, distinct varieties.—1, William Sim.

Two vases, 100 blooms each, distinct varieties.—1 and 2, William Sim.

Violets, 100 Princess of Wales.—1, Dobbins & Shannon; 2, John H. Newman & Sons; 3, Estey Bros.

One hundred Lady Hume Campbell.—1, H. F. Woods; 2, E. Bingham; 3, H. F. Calder.

One hundred any other variety.—1, H. F. Calder, Marie Louise; 2, H. F. Calder, Farquhar; 3, H. F. Woods.

Mignonette, 25 spikes.—1, William Nicholson.

Lily of the Valley, 50 sprays.—1, J. H. Leech & Sons; 2, John McFarland; 3, T. J. Grey & Co.

Basket of flowers (for retail florists).—1, Henry R. Comley; 2, Edward MacMulkin; 3, Penn.

Gratuities.—Thomas Roland, display of hard-wooded and other flowering plants; Mrs. Winthrop Ames, display of Primulas, Begonias and Ferns; Mrs. Frederick Ayer, display of Acacias and Ericas; Dr. C. G. Weld, Lachenalia Nelsoni; Edward J. A. Hearn, vase of yellow Marguerites; Mrs. J. M. Sears, Camellia blooms; William Sim, display of Violets; L. E. Small, Dimorphotheca aurantiaca; F. H. Houghton, ancient bouquet; Edward MacMulkin, display; Mrs. E. M. Gill, display.

Gold medals.—Langwater Gardens, display of Orchids; Mrs. J. M. Sears, display of hybrid Amaryllises.

Silver medals.—Thomas Roland, display of Erica melanthera.

First class certificate of merit.—R. & J. Farquhar & Co., display of Palms, Azaleas, Primulas and other Spring flowering plants.

Honorable mention.—Dr. C. G. Weld, seedling Azaleas; Montrose Greenhouses, for a dark pink sport from Rose Killarney; Weld Gardens, Cattleya Schroederæ alba; Backer & Co., Carnation Red Princess; New Hampshire College, collection of seedling Carnations; A. Zvolanek, collection of Sweet Peas.

Vote of thanks.—Mrs. Oliver Ames, display of Orchids and cut flowers; William Whitman, Cattleya Trianæ; Julius Roehrs Co., display of Orchids; Lager & Hurrell, display of Orchids; Winthrop Sargent, display of cut Amaryllises; Mrs. H. F. Durant, display of miscellaneous plants.

Wm. Sim's Exhibit of Sweet Peas, Winning Silver Medal

View of Main Hall

At the Midwinter Exhibition of the Massachusetts Horticultural Society

Florists' Club of Philadelphia

The monthly meeting of the Florists' Club of Philadelphia on Tuesday, March 1, was "Carnation Night," and was a complete surprise to all who attended, especially as to the number and quality of exhibits. After the usual routine business had been disposed of Secretary Rust read the report on the recent ladies' night, which showed the affair to have been a complete financial success, and efforts will soon be put forth to have another such night. A smoker or dinner for the members is in the air, which it is hoped will materialize after Easter.

Albert M. Herr of Lancaster, Pa., was introduced by President Jos. Heacock and read a very able paper on Carnations, which appears in another column. A discussion followed, which was heartily enjoyed by all present.

Robt. Kift spoke on the valuable exhibit before the Club that evening, then drifted on, giving his ideas as to the keeping qualities of Carnations, also describing a cold air device he had used for a long time, whereby he found his cut flowers kept much better.

The idea expressed by Mr. Herr, in his paper, that too many commission houses were doing business, created some discussion among the wholesale men present, but in explanation Mr. Herr said his thought was merely a "feeler" and tended more to bring out points of interest.

A. Fahrenwald spoke on the antiquated business methods of many growers of his acquaintance, and stated that there was considerable room for improvement in this line. He thought that the idea of tagging flowers was a good one. He also put it up to the retailer to get busy and create a larger demand for flowers among the public. He further stated that he had in mind, for future use, several ideas for the improvement of Rose growing, etc., and complimented the Carnation growers on their energy, push and improvement.

S. S. Pennock thought the tagging proposition mentioned in Mr. Herr's paper only good in theory, and that in practice it would not work out as well as expected; both growers and wholesalers were already more than willing to tell the age of flowers. He advocated the liberal use of fresh air, avoiding draughts, for cut Carnations, lack of which often proved to be the cause of most of the trouble.

Edw. Stroud also agreed in part with the previous speaker, and suggested the elimination of those varieties which were such poor keepers. He believed that those varieties which developed rapidly were the first to go "sleepy" and vice versa, and asked the growers and all others interested in the business not to get discouraged because of the occasional bad slumps into which the market falls, saying that when one was affected all suffered alike.

Chas. Meehan and several other gentlemen took part in the discussion, at the close of which a unanimous vote of thanks was tendered Mr. Herr for his interesting paper.

A. B. Cartledge, Jr., Nelson Geiger and Harvey Collins were nominated for active membership.

Carnation Exhibits

Wm. Swayne, Kennett Square, Pa., vase of light pink seedling, Enchantress×Dorothy. Saml. Batchelor, Jenkintown, Pa., vase of White Perfection. Wm. Kleinheinz, Ogontz, Pa., vase of Norwood, Robt. Craig Co.'s new white seedling. Hy. Eichholz, Waynesboro, Pa., vase of seedling Princess Charming, and Washington, a Lawson colored sport of Enchantress. E. C. Marshall, Kennett Square, Pa., vase of Beacon, Winsor and a white seedling, which was highly commented upon for its fragrance, size of flowers and strength of stem.

S. J. Reuter & Son, Westerly, R. I., vases of Ruby, Sangamo, Pink Delight, and May Day. Chas. B. Herr, Strasburg, Lancaster Co., Pa., vase of Pink Delight. Millbrook-Lea Greenhouse Co., Whitford, Pa., vase of Georgia. John H. Dodds, gdr. to J. Wanamaker, vase each of Harlowarden, Bay State, White Perfection, Imperial, Enchantress, Winsor and Rose Pink Enchantress.

Jos. Heacock Co., Wyncote, Pa., vase of Dorothy Gordon. Robt. Craig Co., Philadelphia, vase of Norwood, their new white seedling. Edw. A. Stroud, Strafford, Pa., vase of Pink Delight and May Day, also a vase each of Schizanthus grandiflora and Stock Princess Alexandra. A. Harvey & Sons, Brandywine, Summit, Pa., vases of May Day, Victory, O. P. Bassett, Snowflake, Winona and Pink Delight.

Conard & Jones Co., West Grove, Pa., had on exhibition its self-watering flower box, which is meeting with greater popularity every season; also a plant and some cut blooms of the blue Rose Veilchenblau (Violet blue), (a note concerning which will be found elsewhere in this issue), as well as a vase of cut sprays of American Pillar, a new bright red Wichuraiana Hybrid.

All the exhibitors were given a hearty vote of thanks by the Club for the splendid display made, the beauty of which was commented upon by all present.

Rose Veilchenblau (Violet Blue)

The Conard & Jones Co. of West Grove, Pa., showed a plant and some cut blooms of the new "blue" Rose, Veilchenblau, at the exhibition of the Florists' Club of Philadelphia, March 1.

The plant was one of 500 own root cuttings planted in the field June 1 last, from 2½-in. pots, potted Dec. 2, 1908. All the plants bloomed and produced from two to five clusters of flowers. The season of 1909 was one of the driest on record at the place where the plants were grown. The plants had no artificial watering from planting until digging. The growers mention that the original imported budded plants, potted Dec. 1, 1908 with the same treatment as the plant exhibited, did not give a single bloom—all ran to wood. This year these same budded plants all bloomed, but the clusters were not as large as those produced on own root plants potted at the same time and given the same treatment.

New Officers of the Fl. Cl. of Washington, D. C.

Jno. Robertson, president-elect, was born in Perth, Scotland, in 1853, and served eight years in the leading gardens of that country, and afterward two years in England. In 1882 he came to America, and soon after his arrival was selected to fill the position of gardener at the White House, where he remained nine years. A subsequent eight years were served in the local Department of Agriculture. For the past twelve years he has enjoyed success as a retailer and made a host of friends. He conducts a large retail business at 1510 H st., N. W., where he is assisted by his sons.

The vice-president-elect, E. C. Mayberry, is a member of the firm of Mayberry & Hoover, 1339 14th st. He is a native of Pennsylvania, and came to this city in 1889, starting in business at his present location. Mr. Mayberry, like the president, enjoys a wide acquaintance and has a host of friends.

The secretary, re-elected, O. A. C. Oehmler, is a native of Pittsburgh, where he was, in 1887, secretary of the Pittsburgh Florists' Club. He is a man who has traveled from coast to coast, always finding good positions open for his artistic ability. At Butte, Mont., in 1900, he was elected president of the Montana Florists' Club. At present he is chief decorator for Gude Bros. Co.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Jubilee Flower Show at Haarlem

The Jubilee Flower Show, organized by the General Bulb Growers' Society of Haarlem, will be opened by H. R. H. Prince Henry of the Netherlands on March 23. The Dutch Minister of Agriculture will be the orator of the day.

The exhibition halls, although very spacious indeed, will prove to be too small to contain the many exhibits for which space has already been requested. Another building has been constructed for plants and flowers, but as the grounds have already been planted with bulbs in Autumn, and are also rather crowded, it will be quite impossible to erect further buildings.

The show has evoked a remarkable enthusiasm all over Holland, and abroad, not only from bulb growers and ourserymen, but also from the public in general. The bulb fields of Holland have always been an attraction to tourists, and a visit to Haarlem and its environs this Spring will be of special interest. The bulb fields are only at their best for a few days; on the contrary, the Haarlem Flower Show is arranged so as to remain in full glory from the opening to the end.

The bulbs planted—representing nearly the number of one million—will regularly succeed each other; the opening week will prove the usefulness of the charming Crocus, and show how "the little Crocus reaches up to catch a sunbeam in his cup." Next comes the stately Hyacinth and its elegant "miniature" offspring, which wil be shown in the exhibition grounds in the most modern patterns and most artistic grouping; indeed, a new feature for the decoration of gardens and parks. Daffodils and Narcissi are naturally grouped at the feet of the old trees which are the pride of the Haarlem "wood," the site of the show. From the latter half of April to the end of May glorious Tulips will entrance the visitor, being in such variety as he most probably has never before seen in his life. And, besides, there are numbers of miscellaneous bulbs, rockery plants and herbaceous perennials, flowering trees and shrubs, banks of Rhododendrons and Azaleas along the water side, clipped trees in the French garden—indeed a true floral feast in fairyland.

The temporary shows in buildings already referred to will be held from March 23-31, April 4-12 and May 20-22. The international jury will meet in March and April, under the presidency of Mr. de Marez Oyens, ex-Minister of Commerce, Industry, etc., and now president of the Netherlands Federation of Horticultural Societies.

The Jubilee Flower Show of Haarlem promises to become one of the chief features of the horticultural year.

National Chrysanthemum Society, (Eng.)

At the annual general meeting of this Society, held in London February 7, the following were elected foreign corresponding members: C. H. Totty, America; T. W. Pockett, Australia; and Mons. Réne Monneja, France.

It was decided to institute a new award, to be known as an "Award for Color," at the shows. Frequently, it had been noted, a variety had been submitted to the floral committee which had a particularly pleasing shade of color, but which did not reach the necessary standard of quality in all points to receive the first-class certificate. From a decorative point of view, however, such flowers were considered worthy of notice, and the award for color will now be made in such cases, in the discretion of the committee.

Group of Flowering and Foliage Plants Covering 100 sq. ft. Staged by A. Leuthy & Co., Roslindale, Mass.

Group of Orchids from Langwater Gardens (Wm. N. Craig, gardener), Winning Gold Medal

At the Midwinter Exhibition of the Massachusetts Horticultural Society

Carnations

A paper read before the Florists' Club of Philadelphia, March 1, 1910, by Albert M Herr.

The trade papers have been full of Carnations and American Carnation Society matters for the past month, but they seem to be inexhaustible subjects and I will not repeat too much of what has been said.

There seems to be no diminishment in the number of promising novelties year after year; in fact, they seem to increase in number, and increase wonderfully in quality. Those of us who were in Pittsburgh could not help but remark on this feature of the novelties exhibited there. Just what to expect from these novelties from a commercial point of view is a question for the future; no doubt many of them will prove a disappointment to either the originator or the buyer, or both, but what a monotonous world this would be with no disappointments to make us properly appreciate our successes.

In my address at Pittsburgh I recommended that a report be secured, from a number of growers, giving their experience with the introductions of the previous year, these reports to be sent to the secretary of the American Carnation Society and published in pamphlet form each year. The Society, or rather the committee whom I appointed to take up the recommendations in this address, did not see fit to even bring this matter up for discussion. We can hardly ask the trade papers to take it up, but the various florists' clubs might do so, meeting each January and discussing the preceding year's novelties pro and con. The opinions of the commission man and the store man are quite as valuable as those of the grower. We cannot expect to get as good results as the National Society could get, but with a free interchange of opinions we can buy the second year novelties with some assurance of success, and quite a number of the $50 per 1000 varieties would be hunting buyers at 50c. per 1000. Publicity of failures is needed, and badly needed. Elbert Hubbard says: "Let each individual work toward the betterment of as many other individuals as he possibly can and his financial reward will be money flowing into his pockets as naturally as water flows into a river." How many successes have you had among the novelties bought last season? Don't keep them to yourself! How many failures have you had among the novelties you bought last season? Tell us about them, some one among us may be able to put you on the track of making these failures successes, if not, then neither you nor I want to plant the varieties another season.

Another point I tried to bring out, and which was ignored by my committee, was to have a tag attached to each bunch of flowers giving the date they were cut and the grower's name. This, in the course of time, would be looked for and demanded by the final consumer as a guarantee of good faith. I would like to see a fresh flower law enacted on similar lines to the pure food law, and believe that such a law properly enforced would treble the use of our flowers. Not long ago I was in a store where a good looking vase of Enchantress was in the window. The clerk told me about half the blooms in this vase were flowers from Chicago and that they were three days old, the balance of the vase being fresh flowers from a local grower. Enchantress is not the best of keepers and we all know that the final consumer getting flowers from this vase was foreordained to disappointment. Let our Carnations be sold under a guarantee by the retail man that they have been cut on a certain date, and add a little advice as to the best method of keeping, and many an occasional buyer will be turned into a regular customer; it is not so much the price of flowers that interferes with their sale as the fact that in many cases the buyer receives so little value for the money spent.

Let the grower try and grow such varieties as are known to be good keepers, making this one of his first demands in buying a novelty; then let him grow them properly and tag them as previously suggested, and in the course of time the man who does this will find himself on the high road to success, while the man who does not will be traveling in an opposite direction.

Enchantress and all of its sports can, if well grown, be turned out moderate keepers, but the careless grower should leave them alone. Pink Delight, Victory, White Perfection, all of the Lawson type, Winona and O. P. Bassett, are all good keepers under ordinary culture, and it is this class of varieties that should be planted in quantity; some of the softer, but perhaps more beautiful sorts should be experimented with until you learn to handle them and turn out flowers that will give good satisfaction.

Another point I tried to bring before the Carnation Society was our lack of business methods and ideas. The retailer in our business is perhaps nearest to 1910 business methods, but he has much to learn; the commission man follows along in about 1900 style, and the grower is lagging back somewhere about 1850 style—not that I know much about 1850 business methods, but it will do for a simile, and I believe a correct one. We do not need cultural methods—we have them once a week in four trade papers—but we do sadly need business methods, and we also need someone to come into our societies who has made a study of modern business to tell us something about this end of our work.

There is some money in Carnation growing, in witness whereof just note the modern eight and ten thousand dollar houses going up exclusively for Carnations. The man who has the cash to pay for these structures is all right; the man who builds on credit will have to pass many a weary year before his houses are paid for. I maintain that the modern Carnation establishment cannot produce Carnations at a profit for less than a two-cent average from September 1 to June 1. Keep your own records, charging up every item of expense, interest, taxes, wear and tear, and every item that goes into the production of your Carnation blooms, and see if I am wrong.

When you see retailers paying $1600 a year rental for their stores, wholesale establishments without number in all of the larger cities, and the grower adding house after house, you naturally conclude each and every one is making money "a la Rockefeller"; analyze the situation carefully and you will find a "triumvirate competing Hades."

I am not up in business methods well enough to suggest a remedy, but I want to give this as an opinion, that there are entirely too many commission houses in the larger centers, and the competition among them is getting to be a hit hard on the grower The grower, the retail man, the commission man and the final consumer are all component parts of what is and ought to be an immense business. The healthy increase and life of that business needs the encouragement of each of those sections. Get together!

House of Freesia Purity (Fischer's) at Establishment of Wm. Mathews, Great Neck, L. I., N. Y.

Stock Beauty of Nice
George Wraight, Orange, N. J.

Stock Beauty of Nice

The photograph here reproduced is of the Stock Beauty of Nice grown in a 6" pot. The plant was one of a large number grown by George Wraight, of Orange, N. J., who has grown the variety for some time, and with it has taken a number of prizes. He says that the lot of plants he had this year was even better than those he has previously had.

Society of American Florists

Registration of Rose.

Public notice is hereby given that The Conard & Jones Company of West Grove, Pa., offers for registration the Rose described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the name will be made three weeks from this date.

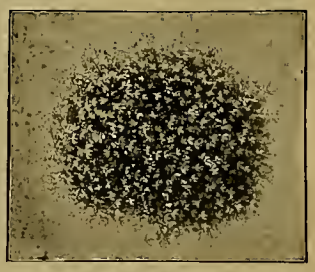
Name: Wm. R. Smith.

Originator: Richard Baggs, of Bridgeton, N. J.; introduced by John Shellem and E. G. Hill.

Raiser's Description: Flowers are large, full and double and most exquisitely formed. The petals are so firm they look like wax, softly curled, colored cream with flesh tint tips, buff yellow base and the center a heart of pink. Perfect buds. The flowers are borne on long, strong stems, just right for making bouquets. Fragrance is delightful.

February 24, 1910. H. B. DORNER, Sec.

Lobelia Miranda.—This is the result of a cross between Lobelia Hamburgia and L. Cavanillesi. The foliage is, if anything, more delicate than that of the Hamburgia, and the flowers appear, if possible, in still greater profusion, literally covering the plant and its receptacle. The color is a bright, rosy purple. The variety comes entirely true from seed.



Lobelia Miranda

One of the 1910 Novelties of Ernst Benary, Erfurt, Germany.

See Announcement—on Page 414—of our

Spring Trade Edition

To be Issued March 19, 1910

Tools

FIG. 1.—Tools used in depollination and emasculation: A, scissors useful in removing small organs; B, self-closing forceps; C, forceps with attachment; D, scissors for severing large organs.

New Methods of Plant Breeding

Bulletin No. 167 of the Bureau of Plant Industry, U. S. Dept. of Agriculture

From the above Bulletin by George W. Oliver, Plant Propagator, we made copious extracts in our issue of Feb. 19, page 300.

We are enabled to present this week illustrations of the tools and devices used by Mr. Oliver in his work and in later issues we will present some of the plates showing results obtained by the author in the course of his experiments.

Tools Required for Depollination and Emasculation

A small pair of scissors is necessary to remove parts of corollas, stamens, etc., of the different flowers. Those shown in figure 1, *A*, are more convenient for use on many subjects than the common scissors as they can very readily be adjusted to the various needs with one hand. A medium-sized pair of the ordinary kind of scissors used by plant breeders, with blades 1 inch in length, figure 1, *D*, is also necessary.

Forceps are indispensable tools. Those forceps in common use would be better adapted to the needs of the plant breeder were they supplied with a flattened pin attached to the handle (see fig. 1, *C*). This would often prevent the necessity of laying down one tool to take up another while the operator is performing a delicate piece of work and while the eyes are perhaps fixed on a very small object. A needle can be tied on very easily and the combination is an exceedingly useful one. Several pairs of forceps which are self-closing (shown in fig. 1, *B*) are necessary in such lines of work as pollinating depollinated stigmas of Alfalfas and many other small flowers. These forceps enable the operator to hold a stamen or a sexual column of a small legume while pollinating. It is difficult to perform this work satisfactorily with the fingers.

Watch glasses and small-sized moist chambers are needed to preserve pollen. Tags for keeping records while the seeds are ripening, ranging from one-half inch by three-quarters inch to those of much larger dimensions, are indispensable. Some small-sized camel's-hair brushes, some good white blotting paper torn into small pieces, and a lens should also be included in the kit.

Devices Used in Depollinating Flowers

The contrivances required for the work of depollination by water are inexpensive and easily secured. When the method was first used attachments to the garden hose were employed, but these were found too clumsy and uncertain; moreover, the hose is not always available when it is desired to depollinate flowers in the field. A fairly good substitute is a modification of the common putty bulb (fig. 2, *E*,). This answers the purpose very satisfactorily for large flowers of the Compositæ, Leguminosæ, and other groups. The putty bulb will hold about a pint of water. By unscrewing the spout or ejector, the rubber bag may be quickly filled with water and the ejector replaced in a few seconds. The size of the jet of water is regulated by using a suitable piece of bamboo reed or other contrivance fixed firmly in the tube. When the bulb is full of water a slight pressure with the hand will cause a fairly strong but fine stream of water to be emitted.

It will be found that a very small jet of water is needed for very small and fragile flowers. For this purpose the various kinds of chip blowers (fig. 2, *A* and *B*) and water bulbs sold by dental supply companies suit the plant breeder's needs admirably. These devices are inexpensive, and when many flowers are to be treated at one time several of the chip blowers or water bulbs may be brought into use. As soon as the contents of one are exhausted, and while the bulb is still pressed in the hand, it may be put in a vessel of water; then when the others are emptied of their contents the first one will be ready to be used again.

There is a still further choice in instruments of this nature in the shape of rubber bulbs (fig. 2, *C* and *D*), similar to those used on cameras. A piece of glass tubing can be pushed into one of these; the other end of the tube can be brought to a fine point by heating it in a flame and breaking off the point, leaving an aperture about one-sixteenth inch in diameter. This device does satisfactory work, but the others are preferable.

Devices

FIG. 2.—Devices used in the depollination of flowers: A and B, chip blowers or water bulbs; C, water bulb with valve at bottom provided with celluloid ejector; D, old rubber bulb with glass tube inserted; E, "putty bulb" with attachment to give a small jet of water.

The Propagation and Culture of Dracaenas

There is not much difficulty in growing good Dracænas if their requirements, which are no more exacting than those of much commoner plants, are attended to from their infancy until their full development has been attained.

Nearly all Dracænas are easily propagated from forced growths of hard canes, from root cuttings, from tops inserted in sand, and by mossing old plants. When a large stock is needed, the best method of propagation is that of cutting up old canes into lengths of about an inch, and placing them in the sand, over a good bottom heat; the pieces should be well covered with the sand and well watered; growth will be quickened if the sand is kept continually moist and an even bottom heat kept up. In a few weeks the pieces of cane will have made considerable top growth, and some roots. When the growths are about three inches in length they may either be potted up in small pots and grown right on, or may be severed from the pieces of cane—retain a heel—and then these placed in the sand again as cuttings; and when they in turn are well rooted, potted into small pots, and, as their growth of roots demands, be given larger pots from time to time.

Root cuttings are made from small pieces of the thick fleshy parts of the roots of old plants. These should be placed in sand in the same way, and given treatment such as the hard wood cuttings received; and when they have sent out roots and made a growth of two or three inches potted also in the same way.

When there is on hand some old plants with good tops, the leaves of which are perfect, good specimen plants can be made of them in six months by mossing. Mossing means the making of an incision beginning about an inch and a half below the leaves of the top to be saved, and continuing almost to the leaves, making the incision almost midway to the heart of the stem; then, while the incision is kept open, some clean moss is inserted in the opening and a quantity of the same material is placed around the stem and over the wound, all of which is kept in place by string or raffia wound tightly several times around it. The moss should be kept continually moist, while the soil in which the plant is growing should be kept, from now on, on the dry side. In a few weeks roots will be seen peeping through the moss. When these have shown themselves in force, and begin to work into the surface of the moss, the top may be severed from the old stem by cutting it away just below the moss. Pot up what will now be a new plant in as small a pot as will allow of sufficient soil for a start, and place the potted plant in a shaded, glass-covered case; or plunge the pot in the sand in the propagating bench, and shade the foliage until the roots have started to work in the soil.

All the colored Dracænas make not only handsome specimen plants suitable for Christmas trade, but they also are well adapted for emphasizing window decorations and private house decorations by florists. Smaller plants, plants in 3″ or 4″ pots, are used in large numbers for the filling of small pans, dishes and baskets, in conjunction with other material. One of the best Dracænas for the latter kind of work is not a highly colored variety, nor is it in any way like any other Dracæna, being of a loose graceful branching habit. This is D. Godseffiana. In color it resembles Aucuba Japonica, but, unlike it, is profusely dotted with white. This Dracæna is easily propagated by cuttings made of the tips of the branches, and these inserted in sand over a brisk bottom heat.

From the time Dracænas are first potted up, and until they are about to be disposed of they should not receive a check, caused either by a lowering of the temperature very many degrees, or from lack of room for the roots to extend. When the plants are soft and making growth rapidly through the Summer, shading on the glass will be necessary; but, later, sunlight will intensify the coloring of the foliage. Many of the Dracænas can be grown in benches planted in the open soil and potted up in time to be established before sale. D. M.

Oxydendrum Arboreum

Probably the finest native tree of North America is Oxydendrum arboreum, here illustrated. The older botanists classed it among the Andromedas. It is commonly known as Sour Wood or Sorrel tree from the acid taste of the foliage, also as the Lily of the Valley tree from the form of the flowers, which are in compound panicles of numerous white bell-shaped flowers, delicately scented. As a tree it grows to a height of twenty to sixty feet, and is represented as growing very slowly, which allows it to be used either as a tree or shrub. As a matter of fact, I have been able to keep it down in shrub form very readily, and have also succeeded in growing it up very rapidly as a tree by high culture. Its principal value is in the high color of the foliage which, when it begins to expand in the Spring, is light green, gradually growing darker as the season advances. There is great variety in shades in different specimens so that by the time the leaves have attained their growth one may find all shades from light to dark green and from bronzy brown to brilliant red with here and there a yellow splash thrown in. But this is not all. I have in mind a tree in our own town, some ten to fifteen feet high, that is now full of rich looking clusters of seed pods which will remain until the foliage begins to expand, so that there is no time in the whole year that it does not make a fine display. Among the ten thousand specimens I have in my nursery all the colors described are well represented, and the several blocks of this fine shrub rival some of the high colored Crotons in brilliancy. It often commences to bloom when but a couple of feet in height, and it is one of the easiest of trees to handle.

Hammonton, N. J. WILLIAM F. BASSETT.

Oxydendrum Arboreum

The Chicago Carnation Co., Joliet, Ill.

On Tuesday, February 22, about 25 of the growers from Chicago and vicinity took advantage of an excursion to visit the plant of the Chicago Carnation Co. at Joliet. The visitors were met at the LaSalle st. station in Chicago by the affable manager, A. T. Pyfer, who escorted them to Joliet. On arrival a sumptuous lunch was served, which was enjoyed and appreciated by all. Only one thing marred the pleasure of the day's outing: a severe snow storm set in which prevailed all day.

The following varieties are all to be found in bloom in the greenhouses: Sangamo, Conquest, Mary Tolman, all the Enchantress varieties, White Perfection, May Day, Daybreak, Lawson, Winona, Winsor, Splendor, Alvina, Aristocrat, Afterglow, O. P. Bassett, Beacon, Victory, Andrew Carnegie and Gov. Deneen (purple). It is hard to state which varieties were most interesting. As one journeyed from one house to another it seemed that each was superior in bloom and condition to the one preceding. The growers were especially impressed with some of the newer varieties. Many of the party had visited the houses previously, and were loud in their expression of surprise at the rapid growth and heavy crop of exceptionally fine flowers that Sangamo was making. Some who visited the place last November said that at that time Sangamo was vastly better than any other variety they ever saw growing. Again in January their opinion was unchanged, and last Tuesday previous opinions were fully confirmed. While the flowers easily average three inches they are nicely filled out, beautiful in form, calyxes showing no sign of splitting, and the stems particularly strong and stiff. A grower who has recently visited most of the large Carnation ranges between here and New York, claimed he did not see anything that appealed so much to him as a "money maker" as Sangamo. Other varieties may bear larger flowers, but as a producer it would be hard to excel.

The variety Mary Tolman is still carrying a very heavy crop of exceptionally large beautiful flowers, deep flesh pink, on very rigid stems, such as would make it seem to be impossible to grow this variety with a weak stem under any conditions. The color is beautiful, a little deeper than Enchantress. It does not fade in the strongest light; the blooms are selling readily in the Chicago market at 5c., and Mr. Pyfer says they are not able to supply the demand at that price, while other varieties drag at 2c. and 3c.

Arriving at the house of Conquest, it seemed a hard matter to get the visitors to look at anything else for awhile. This variety evidently has made friends and admirers. Its long, stiff stems and large Camellia-like flowers of a beautiful combination of light pink overlaid with a deep rose easily command attention. One grower remarked that it was better than Prosperity at its best. It is also a good producer, has an ideal habit and is easy to handle. The leading florists of Chicago are eager to get all the blooms that are consigned to the market, and the blooms command 2c. and 3c. more than other varieties. It is the intention of the company to grow four times as many plants of Conquest next season as they did this, in order to meet the heavy demand for blooms and cuttings. There is a fine house of May Day, and when viewing it one does not need to ask if the variety is a good producer, as it is easily seen that there has been a cutting of very high average. The information was given that up to the present time it had cut two to one of Enchantress.

"What is this large Enchantress?" one grower inquired, examinging a fine bench, "or is it Enchantress—it seems to resemble Enchantress in so many ways?" "That is Mrs. Chas. Knopf," was the reply. The variety was then looked over more carefully, and it appealed to the visitors as being quite an improvement over Enchantress.

House of Carnation Sangamo

Chicago Carnation Co., Joliet, Ill.

It would take too long to describe all the varieties grown under the 125,000 square feet of glass that comprise the houses, as they are all equally good, stock well grown and in a clean, healthy condition. The propagating house, however, should be mentioned, where about 300,000 cuttings are in various stages of propagation. It is figured that not more than 2 per cent. of the cuttings will be lost, this loss only due to the breaking of roots from cuttings in taking them out of the sand. One grower who had received rooted cuttings from this house a few days previously said they were the best ever shipped him, and he immediately made arrangements for a further supply.

Under the guidance of Mr. Pyfer and Supt. Olsem the afternoon went all too rapidly, and departure was made with reluctance, the visitors before leaving expressing their appreciation of the courtesies extended.

Hoerber Bros., Des Plaines, Ill.

Hoerber Brothers have decided to begin on the enlargement of their plant at Des Plaines, at a very early date. The contracts have been given to the John C. Moninger Co., who will erect eleven houses, containing the same number of square feet of glass as is contained in the already operated ten houses. They will use the Garland gutters in the new houses. The existing sheds and boiler rooms were built with the intention of adding more houses. The new houses will be to the east of the ten houses, that are each 27½ by 300 ft. This will bring the two large Fairbank boilers directly in the center of the range. There was no mistake made when this place was planned, as the intention of doubling the plant was foremost in the mind of the brothers at the outset. They have been so successful in their first season's business that they feel encouraged to go ahead at once. F. C. Hoerber who has charge of the greenhouses, at Des Plaines says that the only bit of discouragement they have encountered is the water problem. They are now down 368 feet with the artesian well, striking rock at the depth of 300 ft., but were compelled to abandon the work on account of the severe weather. They, however, have started again with a more powerful drill and feel they must shortly be rewarded by a supply of water. The stock that has been in charge of Frank Benthey at the greenhouses has been excellent, both in quality and quantity, and is handled at the Chicago house by W. F. Hoerber, who has this end in charge.

H. F. A. Lange Estate, Worcester, Mass.

This firm has a store at 294 Main st. and 100,000 sq. ft. of glass at Grant Sq. This firm is the oldest in Worcester, having been established in 1868 by Mr. Lange. The store is in an excellent location and has the advantage of good windows for display. Some excellent trade is being handled and has been good since last Fall. A large quantity of funeral work is being made up. The greenhouses are run under direction of Alfred Lange and all kinds of stock are grown. Sixteen men are employed here and are kept busy on the eleven acres and in the greenhouses. The Roses are off crop at present but show evidences of a good cut coming. Some fine Violets and Carnations are being produced, among the latter are a number of promising seedlings which will be put on the market if the tryout is satisfactory. Some 15,500 Lilies are in good condition for Easter—most of them being just right.

S. C. Briggs, Mount Pleasant, D. C.

One of the most distinct, unique and interesting conditions among local growers is encountered by a visit to the establishment of S. C. Briggs, located in the suburbs of Mount Pleasant, D. C., where five greenhouses of varying proportions well serve to interest the guest, be he amateur or professional.

One of the first, and unusual, features about this place which one soon observes is that while all the flowers are disposed of through the local stores, they are not relied upon to achieve the ends desired, but are grown more as a diversion. Although specialization is somewhat overlooked, Carnations and Orchids make up the major contents of the houses, there being in round numbers 6000 Orchids, 3000 Carnations, and 900 Roses now growing. There is probably, by reason of the surroundings, more hybridizing done here than at any similar range in the District, and at every turn one sees the results, although many standard varieties of the various plants are also grown.

The Carnation house, 32x175 ft., contains, in addition to quite a number of promising seedlings, Enchantress of the three types, and Beacon, all in the pink of perfection. Richmond, Killarney, and My Maryland constitute the stock of the Rose house, in addition to hybrids of Mr. Briggs' own introduction. One of the houses in which a number of specimen plants of Boston Ferns, Palms, etc., are kept, contains a swimming pool 25 by 35 ft., 5 ft. deep, and edged by a beautiful collection of foliage plants. This pool is perfect in every detail and is heated by hot water in a similar manner to the houses.

There are a number of rare and very beautiful Orchids throughout all the houses, but one house, of considerable dimensions, is given up exclusively to their culture. In this collection many fine and expensive plants are represented, from all portions of the world. Eighteen cases of Orchids are expected to arrive in May, with about 80 plants to the case. In one of the greenhouses is a tank of magnificent Japanese goldfish.

Mr. Briggs suffered an attack of pneumonia during the early part of the Winter and soon afterward left

House of Carnation Conquest

Chicago Carnation Co., Joliet, Ill.

Orchid House of S. C. Briggs, Mt. Pleasant, D. C.

for an extended trip through California, from which place he is not expected to return before April 1. L. L. Jenkins is in charge of the houses, and the appearance of the stock indicates his thorough ability in that capacity. He was formerly employed under Peter Bisset at Twin Oaks. JAS. L. CARBERY.

Stray Notes from Abroad

BY T. A. WESTON

The Army Worm and Other Grubs The reference to the Army Worm on page 639 interested me, because the past Autumn has seen me slaughtering many similar grubs. Hitherto I had never seen these big grubs at work, and I always imagined them to be a species of leather jacket, which they undoubtedly are. The leather jacket grub, which is the larvæ of the Daddy Long Legs fly is, however, smaller, and it feeds by cutting off young plants at the ground line. The larger forms, however, crawl up the plants, and I lost the tops of many of my prize border Carnations and Pansies before I discovered the depredator.

They are fearfully voracious, more so than the common slug, but fortunately they are less numerous. These grubs are always to be found in turf, and when using such soil for potting steps should be taken to prevent their inclusion. In the open ground one can stamp them out by using some soil fumigant, and frequent surface stirring. Most birds are particularly keen on this species of grub.

Decoction of Tomato Leaves Destroying Greenfly The statement that a solution made from Tomato leaves will destroy greenfly may or may not be true. Personally I have a notion that I have seen aphis on Tomato plants, but I cannot say for certain. A fly that does worry the Tomato, however, is the white or Ghost Fly, and this pest requires a power of killing, for no ordinary fumigation will settle it. I remember once coping with a small house much infested with the white fly; as soon as the tobacco fumigation was set going, down dropped the flies to the ground, where they laid in thousands—until the fumes were gone, then up they rose again.

That certain plants are obnoxious to some insects, is undoubtedly a fact, for many gardeners make a point of sowing Broad Beans between Gooseberry bushes to prevent the Gooseberry sawfly attacking the bushes.

In the same way, Elder boughs laid amongst Gooseberry bushes will ward off the sawfly and its terribly destructive larvæ.

On Sweet Pea Naming The paper on Sweet Pea naming, read before the N. S. P. S. conference by Mr. W. J. Unwin, is interesting in several respects. One noticeable feature is the reference made to unfixed varieties; it goes without saying that unfixity has caused more trouble and bitterness than any one thing. How much so can be gathered from Mr. Unwin's suggestion that all varieties, before being eligible for competition at the national shows, shall be proved at the trials. Seeing that Mr. Unwin is himself a raiser, and a successful one to boot, it may be taken for granted that he is in dead earnest.

That something must be done cannot be denied, and the latest move on the part of some firms serves to make it imperative. More than one firm is now quoting the percentage of fixity of the sorts they catalog, while others speak of certain sorts as not quite fixed. This may seem a clever notion, and appear beneficial to the buyer, but it will only serve to incite the introduction of unfixed novelties. Raisers will be able to shelter themselves by quoting a certain percentage of fixity and, therefore, they will scarcely need to worry about total fixity before sending out novelties.

Just think of it, my worthy friends; there are fully nine dozen British and American Sweet Pea novelties quoted from 1910, and there is already some talk of next season's sorts. One firm talks of introducing a new and telling variety in the coming Autumn, yet this novelty was only fixed to the tune of 5 per cent. in the 1909 trials.

A Fine New Yellow Rose—Rayon d'Or Seeing the reference to new French Roses (page 18) prompts me to suggest that growers should make a note of Rayon d'Or. This is a new seedling of Pernet Ducher's and, I believe, is a strongly scented H. T. that will give Marechal Niel a shake up. The raiser says it is the finest yellow yet raised, and a visitor to these famous French nurseries describes it as the Rose all have been looking for these past 20 years. It is not yet in commerce, but will possibly appear in 1911. I have marked Rayon d'Or down myself, for it will outdo the Lyon Rose, 'tis said.

Aster Beauty of Colwell Relating to the new double Aster Beauty of Colwell, I may say that I have not heard of its being inconstant in this country. It is not improbable, however, for more than one composite flower or composite species has a tendency to vary through various causes. The Chrysanthemum is a case in point, and not a few Dahlias will run semi-double after the first flush of bloom. Cultivation and climatic conditions possibly have something to do with these variations. Regarding Asters, while Beauty of Colwell is the first acknowledged double, there are one or two sorts which show a tendency to double early in the season. Miss Gainsford, a fine free flowering light lavender sort, was distinctly double with me last Autumn but, after a brief period, the several rows of florets fell back and the center disc became prominent. Under the circumstances it would be inadvisable to discount the nature of Beauty of Colwell. In another direction I might mention Galega Hartlandi. This charming hardy plant, when in flower differs but little from the old Goat's Rue, Galega officinalis. In its early stages, however, Galega Hartlandi has beautifully variegated foliage, making it a telling foliage plant until it reaches about one foot in height. After this the variegation disappears, and for the rest of the season the plant is quite normal.

Sterilized Soil I may say that many of our big market growers sterilize all soil used under glass. The fearful losses among Tomato and Cucumber growers has brought about the adoption of the system, and some growers who sell small plants state in their advts. that all stock is free from disease, being grown in sterilized soil.

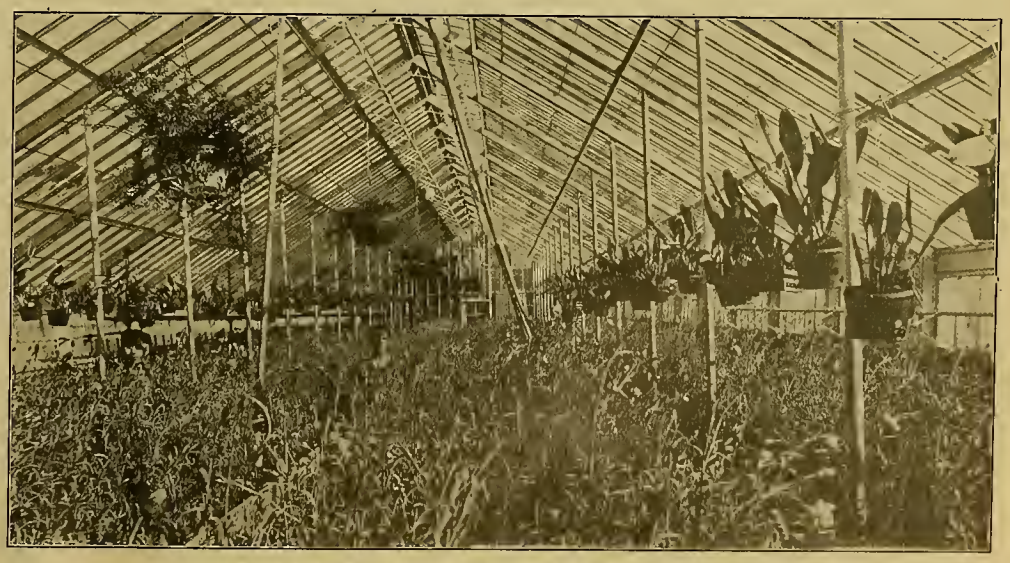
There are two systems open to growers, steam and chemical.

A steam plant has to be specially fitted up, and there is no question that all disease spores, insect pests and weed seeds are destroyed by this system. Eelworm is the greatest curse of the present day, much of it being introduced by way of the manure. I am endeavoring to get figures relating to this system of sterilizing.

Chemical sterilizing is more or less effective. We have a number of soil fumigants, Vaporite, Apterite, Kilogrule & Cliff's Insecticide being of this class. The value of the first named I have proved; for destroying all soil insects it is remarkable. It has been on the market for several years and is used at the rate of 2 or 3 cwt. to the acre. The others are newer introductions, but the basis of all of them is naphtha, I should say. Not all plants like them, however, for the fumes percolating through the soil are injurious to some. Violets in frames have been sadly injured through the use of one of the newer fumigants, and I have found that border Carnations dislike Vaporite. A sterilizer well spoken of is a chemical called Azene. Mixed with the soil it destroys all fungus germs and insects and makes plants immune to disease. It will not kill weed seeds, however, and this is where steam scores.

Poppy Charles Darwin. — A fine rich, dark purple variety, petals smooth edged, each adorned with a large, velvety black spot proceeding from the base; a dense wreath of white anthers furnishes a fine contrast.

One of Ernest Benary's (Erfurt, Germany) Novelties for 1910.



Carnation House with Orchids and Asparagus Sprengeri
S. C. Briggs, Mt. Pleasant, D. C.

Headquarters for Easter Plants

AZALEAS One of Our Specialties

PREPARE FOR EASTER

Have Azaleas to burn, the best in the land, the best in the land, the best in the land, Azaleas in finest colors, to beat the band, to beat the band, to beat the band

If you would know the fairest sight your eyes can ever see,
Where the most perfect plants are grown, to Aschmann's come with me.
Why! Ne'er since flowers began to bloom was such a glorious show
Of all the best that florists need found in one place to grow.
The Lilies are the very best yet seen on Easter day,
Azaleas are whole sheets of flowers, perfect in every way.
The Araucarias matchless are, so are the Ferns all green,
With bulbs and plumed Spirea, the best you've ever seen.
And Aschmann gives a challenge, let every florist hear,
For flowers, or prices, either, no rival does he fear.
If you wish to gather dollars like violets in the Spring,
Then send your largest order; his plants the cash will bring.

CHANGING DON'T PAY!!

From whom will you buy your Easter plants? "I have no cause to change," several sensible men in the trade remarked the other day. "Our friend, Godfrey Aschmann of Phila., has been our reliable man of the past and shall, of course, be this year also."

Azalea Indica

In large sizes we have the following varieties: **Bernard Andrea alba** (white), **Niobe** (white double), **Dr. Moore** (double pink), **Memory de Van Hoette** (large-flowering double pink), **Mme. Van der Cruyssen** (double pink; one of the best known varieties), **Helena Tellman** (rose; very attractive), **Empress of India** (double variegated), **Schreveriana** (double variegated), **Apollo** (red), all covered with buds. Price: $1.50, $2.00, $2.50 to $3.00 each.

In smaller sizes we have **Empress of India** (double variegated), **Simon Marduer** (double pink), **Vervaeneana** (one of the old standard double variegated), **Apollo** (red), **Mme. Van der Cruyssen** (pink; the standard of all the pinks), **Deutsche Perle** (double white), **Schreveriana** (double variegated). Price 60c., 75c., $1.00, $1.25 to $1.50.

Prof. Wolters, one of the so well known bright variegated, $1.00, $1.25 to $1.50.

Niobe, double white, 75c., $1.00, $1.25, $1.50, $1.75, $2.00, $2.50.

AZALEA Indica, one of our specialties for the last twenty-five years. Raised for us under contract by our Azalea specialist in Ghent, Belgium. Our stock of Azaleas that we ship is well known to our customers; it is the cream of Belgium exportation—full of buds.

What is the best pink variety? **Mme. Van der Cruyssen** is the name; originated by Mr. Van der Cruyssen of Ghent, Belgium. This variety is too well known by nearly every florist in America to be further talked about. All are as round as an apple, covered with buds.

Do you want to know why our Azaleas are good? Here is the pointer: We don't make a practice of selling them in the Fall, having the rubbish left for Easter, but plant them all as soon as unpacked into 6-7 in. pots, keep them cool and give them the best attention for Easter sales. Those not having many buds are kept over for another year. For example: We import Bernard Andrea alba, Niobe and a few other varieties which do not carry good over their sea voyage; this variety never fails to bloom in the second year.

KENTIA Forsteriana. Imported last Spring (1909) from Ghent, Belgium, in fine condition, 6-7 in. pots, 35-40-60 in. high, $1.25, $1.50, $2.00, $2.50 to $3.00; 4 in., 20c. **Belmoreana**, 5-in., $1.25-$1.50 each; 4-in., 25c.; 3 in., 10c.

☞ **NOTICE: LILY BULBS** of the larger size (9-10 in.) were very scarce to obtain last Fall owing to the wet weather in Japan; not even 20 per cent. could be supplied. But our grower in Japan, knowing well our position, has taken good care of us, and we were one of the few fortunate to receive 5000 of 9-10 in. bulbs from him—our full order of last Spring.

EASTER LILIES. Japan Multiflorum, of our own importation, raised from special 10-in. bulbs, 6-in. pots, right for Easter. The large demand for Lilies exceeds the supply every year; we, therefore, ask that you order early. Price, plants with five buds and upwards, 10c. per bud; plants with under five buds, 12c. per bud. We can satisfy all wants if ordered soon.

NO PROFIT IN LILIES.

Owing to the small profit in the growing of Easter Lilies, an order for a reasonable amount of other stock should accompany all orders for Lilies.

CINERARIA Hybrida. We have a house full, 125 ft. by 21 ft., of the choicest colors—Henry F. Michell Co.'s best strain, just right for Easter. 5, 6½ to 8 in. pots, medium height, 20c., 25c., 35c., 50c., 75c. to $1.00. Just right for Easter sales. Same are in bloom now for immediate sale, if you wish.

BEGONIA, New Improved Erfordii. Always in bloom, Summer and Winter; 4-in. pots, very strong, $2.00 per doz.; 5¼-in., in bloom and bud, 25c., $3.00 per doz.

PRIMULA Obconica. 5¼-in. pots in bloom, $2.00 to $2.50 per doz.

FERNS for dishes, 2½-in. pot, $6.00 per 100.

Have some white **Azalea Deutsche Perle** and **Vervaeneana** now in bloom if wanted, at 75c. and $1.00 each.

Hyacinths. Raised from first-class bulbs of our own importation. These Hyacinths cannot be compared with ordinary stuff raised from cheap bulbs floating the market, **King of the Blues** (dark blue), **Grand Maitre** (lavender blue), **Gertrude** (pink), and **La Grandesse** (white). 4-in. pots, $12.00 per 100.

TOURNESOL TULIPS. Red or yellow variegated. This is the best selling double Tulip in the market. Will stay in bloom in good condition ten days. Three bulbs in one 4-in. pot, $1.50 dozen pots or $12.00 per 100 pots. **Murillo Tulips**, best double pink, 3 bulbs in a 4-in. pot, $1.75 to $2.00 per doz. pots.

Double Von Sion NARCISSUS. The best yellow Narcissus in the market, sells at sight; three double-nosed bulbs planted in one 5, 5½ to 6-in. pots. Price, $2.00, $2.50, $3.00 per dozen pots.

IPOMOEA Noctiflora. Best pure white Moonvine in market, very fragrant and as big as a saucer. On this variety we have a world-wide reputation as growers and shippers for the last twenty years. Price, 2½-in. pots, $5.00 per 100. 10,000 are now ready.

COCOS Weddelliana, 3-in., 15c.

BEGONIA Flambeau. Sells at sight, 4-in. pots, 20c.; 5½-in. pots, 25c.

FICUS Elastica or Rubber Plant. Home-grown and Belgium stock, 5 to 5½-in, 25c.

LATANIA Borbonica. 4-in. pots, 20c.

HYDRANGEA Otaksa. Already forced, in bud, just right for Easter, 6 to 7-in. pots, 35c., 40c., 50c., 75c., $1.00 to $1.50 each.

SPIRAEA Gladstone, 5 to 7-in. pots, large stuff, 50c., 75c. to $1.00 each. We have a house full of this Easter novelty, in better condition than ever—full of buds, just right for Easter. Order in time. Remember: Good Spiraeas are scarce this Easter. Why? Owing to the bad weather in Holland.

FERNS, Todeaoides and Whitmani, 6-7 in. pots, 50c., 75c. to $1.00; 5 to 5½ in., 35c., 40c.

To save express charges please state if wanted in or out of pots. Cash with order, please. No references will be investigated in these busy times.

GODFREY ASCHMANN

Wholesale Grower and Importer of POT PLANTS

1012 W. ONTARIO ST., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Florists' Club of Washington, D. C.

The Club met at the store of Gude Bros. Co., 1214 F st., on the evening of March 1, with a large atendance. The special feature of the evening was the election of officers for the ensuing year; in accordance with nominations made at the last meeting and as previously published. The report of the committee on the last entertainment of the Club was held over, owing to the absence of some of the committee. Election of officers was the next business. Pres. Kramer declined his renomination for the office of president, having already served two years. Geo. H. Cooke also declined to run on his nomination, therefore a unanimous vote resulted in favor of John Robertson, who was loudly applauded and freely congratulated. E. C. Mayberry was unanimously elected vice-president, his election also being received with evident appreciation. The vote for secretary was by ballot, and resulted in the election of the present incumbent of the office, O. A. C. Oehmler, who has served one year. The three directors for two years were elected as follows: W. W. Kimmell, O. A. C. Oehmler and David Bisset. It was moved, seconded and the motion carried that a committee of five be appointed to select a place for the annual banquet to be held on the next meeting night, April 5, and Geo. H. Cooke, John Robertson, E. C. Mayberry, F. H. Kramer, and W. W. Kimmell were appointed. This committee was voted full power to act and make all arrangements. Refreshments were served after the meeting, consisting of soft drinks and sandwiches, etc. At the close of the business meeting the Club was favored by Mrs. Naecker with the songs, "Roses," "Shine On, Silver Moon," and other songs, in an entrancing manner. Messrs. Snusbaum, Merritt and a florist, S. Naecker, of Clarksburg, W. Va., also contributed

Albany, N. Y.

Business during Lent has been rather quiet, not very much activity going on in the social line; this makes the demand for cut flowers very small.

Flowers are plentiful at present; bulbous stock coming in plentifully of all kinds.

Funeral work in the past week has been quite good and had a tendency to use up considerable stock.

Every florist in our city is looking forward to a big Easter trade; we hope to be favored with good weather as all wholesalers and retailers are well stocked.

The Albany automobile show opens March 7 for a week at the State Armory. Some of our florists have orders for decorations of Palms, Laurel and Southern Smilax; it promises to be a great affair.

The Albany Florists' Club held its regular monthly meeting March 3; a smoker wound up the rather active session.

Visitors in Albany the past week: J. Karins, with H. A. Dreer, Phila.; C. S. Ford, Phila., Stephen Green and W. Lake, both of Philadelphia.

W. C. K.

Middletown, Conn.

F. B. Fountain & Co., 399 Main st., have some 2000 sq. ft. of glass at the rear of their store; in which they grow and display bedding stock and Carnations. Mr. Fountain is somewhat of a camera man and handles a line of cameras and supplies along with his floral business.

Geo. Batty has some 2500 sq. ft. of glass on Ferry st., and a store at 438 Main st., where he retails all that is grown in his greenhouses, principally bedding stock.

O. Keser of Portland has been here for 7 years, coming here from Philadelphia. The greenhouses are known as the Riverside Greenhouses, and are directly across the river from the range of A. N. Pierson, Cromwell, Conn. Mr. Keser grows all stock except Roses in some 13,000 sq. ft. of houses. Landscape work is a prominent part of this establishment.

We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(58) **Cinch Bugs on Dahlias.**—In reply to question No. 51 in the last issue of the Exchange "Cinch Bugs on Dahlias," I beg leave to say that the best preventive that we have found, so far, for this pest is to spray about once a week during the blooming season with a weak solution of Sulpho Nathol, the odor seems to drive them away. This we have found effective both in the case of Chrysanthemums and Dahlias troubled with cinch bug; and for the rust on Hollyhocks the same will be found a perfect antidote, but the fresh application must be made early in the season, the object being to keep the spores from striking into the leaves at the time the Winter spore sacks burst. A. M. L.

(59) **Lava Fertilizer.**—Would like some information from users of "Lava" fertilizer as to their success or otherwise with same. I have used it one season but it may be I did not use same properly.—W. H. S., Conn.

(60) **Roses Not Doing Well.**—Under separate cover I send you a plant taken from a bench of Bride Roses. They were planted in the bench about June 1. Until about the last of September we just let them grow, pinching out the buds as soon as they began to show color. After that time we let them bloom and would cut the stems back to one or two good eyes. They have bloomed pretty freely especially up to Christmas, but don't think they are doing as well as they ought and the stems are not as long as we want. Please give us your opinion and advice about it. We want to start some Bridesmaid for next year. Could we have better blooms by getting them in 4-in. pots now, putting them in 6 in. until June 1 and then putting them in the bench, as it will not be ready before that time? Could you give us some idea as to the number of Roses per month we could get from a bench of three hundred.—G., N. Carolina.

—As your plants did so well up to Christmas it is to be expected they are now taking a short period of rest. You have not mentioned cultural methods, and we judge from the appearance of the plant sent here, that proper feeding has been neglected. Plants put in benches last June should have regular applications of various kinds of fertilizers at least once a week. We would suggest that you buy young grafted plants in 3" pots to grow on, ready for planting next June. These will more than repay you for the extra cost, both in vigor, health and productiveness, a point with which all the large Rose growers will agree. These grafted plants can be secured from advertisers in our columns. We have no data at hand showing the number of cut Roses per month which may be obtained from plants.

(61) **Best Market Varieties of Violets.**—Will you kindly inform me whether there is a double Violet on the market superior to the Marie Louise or the Campbell, (1) in quality of flower; (2) in productiveness; (3) in vigor of constitution? Are the double Violets grown by the best growers for the New York market, still the above varieties? If you say there is a better double Violet than the above will you kindly tell me where stock can be procured?—H. B. S. Washington.

—The two best varieties of Violets for the New York market are Marie Louise and Farquhar. The Campbell Violet is a favorite in the Philadelphia market. The two first named are popular for their good color, fragrance and keeping qualities, and stock of these can be procured from advertisers in our columns.

NEW HAVEN, CONN.—The Morse Floral Co. has moved from 37 Church st. to 168 Orange st.

The Week's Work

BY

FRITZ BAHR

Carnations

Facts of Interest to the Average Grower

If there is any one time more preferable than another for propagating the Carnations, it is right now; and especially is this the case with the retail grower, the one who, while depending largely on Carnations during the Winter months to help face the coal man, is obliged to give his attention to so many other things the rest of the year; his really busy time begins just about now, and it will be a continuous "go" until July 4. That's when the man who handles only two or three things and makes specialties of them gets the best of him; the specialist has a chance to pay at all times the proper attention to the young stock, and this, in order to be successful, is so necessary. We propagate during December or early January a batch of Carnations; we have the cuttings on hand, have the room and are perhaps not rushed with work, but what about them later on? In many cases with the retail grower these plants are stunted long before they go to the field. A Carnation cutting rooted in December, if it is to be kept growing as it ought to be, should by the end of April be a nice plant in a 4-in. pot. Now there are places throughout the middle West, in which lots of Carnations are grown, where May 1 is even a little early to plant out, and the young Carnation stock, of which so much is expected, is found standing for months in 2 or 2½-in. pots on some bench. Many of us are tempted during the Spring months to give the stock which is expected to bring, in a few weeks, a cash return the preference. Stock rooted the end of February, if potted up and not otherwise neglected, will make the very finest plants for the field, away ahead of any which have been propagated earlier in the season and are just kept alive in small pots, waiting to get to the field.

Geraniums

2½-in. Pot Plants in Bloom for Easter

If there is a batch of 2 or 2½'s which are to be shifted into 3½'s it will pay to go over them to select a good number which have buds just about showing color. These, if put aside, will make ideal material for made-up pans for Easter; while a customer will prefer something else outside of a Geranium when in want of a flowering plant during the Winter months, yet a well filled dish containing 8 to 10 S. A. Nutt Geraniums out of 2½-in. pots sells at Easter and brings a good price—and why shouldn't it? Here, as in all other lines, the customer has not seen Geraniums in bloom since last Fall, and more than ever welcomes them again. Set aside a good number, including every color; they don't need to be made-up until a few days before Easter. If this is done in such a way as not to disturb the roots too much, any that should remain unsold can be lifted and potted up without the least check. We all know that Lilies are the main thing at Easter, and if any customer comes to your shop to buy one nothing else, usually, will do, and yet the larger the assortment the more will be sold; and though white is the color for that day, there is plenty of call for pink and red colored flowers. The average retail grower can dispose of quantities of Geraniums, and at better prices than he would realize for larger stock two months later; and I call attention to it now because, usually, when giving the small stock of Geraniums a shift, many growers remove the flowers or buds if there are any, which at this time of the year is the right way, as the plants should grow now and not bloom.

Easter Preparations

Order Your Pans and Dishes Now

This is just going to be a reminder, intended to save, or rather avoid trouble. It is the ordering of pots, pans and dishes of the various sizes for the Easter trade. At no other time of the year have we more call for blooming stock in pans and dishes than for this holiday. If one has a surplus of pottery on hand after Easter not much harm is done; but what an annoying experience to find yourself short on certain sizes a day or so before Easter Sunday. It is bad enough if you are near a large town where a telephone message is all that is required to bring relief, but the out-of-town florist should never be found in such a position. Your potman will appreciate your early order, don't wait any longer; order at once, and plenty of each size. It is also well to look over the stock of 2½'s, as well as 3's and 4's. Every pottery will be busy from now on, and might be unable to fill an order as quickly as we would like them to. Allow sufficient time and avoid the experience of having a few thousand Geraniums in 2½'s badly awaiting a shift and no pots for them. Have the pots where you can lay your hands on them. How about the supply of flats? They come in so handy during our Spring months. We all have a way of our own regarding size, shape and material, so much depends on local conditions—but now is the time to prepare a good supply, in fact it ought to be on hand already.

Climbers from Seed

Proper Time for Sowing Now

With all the beautiful hardy climbers we have to select from, the florist has still use for annuals, and the Cobæa heads the list of the many of which we make use. It is a clean grower, hardly ever infested with an insect pest, and a rank grower; and while its flowers are not very showy, there is no other climber which really can offer so many good points. We have had years where the end of the bedding season found us with quite a number of good plants still on hand, only to find ourselves short the next season when growing less. A well grown Cobæa needs all of three months to develop. You can get a plant in a 4-in. pot with a thin straggly growth ready in much less time, but as a bushy plant, which has been pinched back several times, nicely tied up on a strong stake, three to four feet in height, is the way to have them. Use flats for sowing the seeds. A light sandy soil will help to prevent the rotting of them; press the flat seeds in edgeways, and if kept in a 55° house, with a little bottom heat, 90 per cent. of the seeds will germinate, if fresh. Of other annual climbers raised from seed I might mention the variegated Hop Vine, Humulus Japonicus variegata, as desirable, on account of its beautiful colored foliage. It is one of the rankest of growers. Lophospermum scandens, which really is Maurandia scandens, is another great climber, and should be sown at once in order to get large plants.

Hardy Climbers in Pots

It pays to handle this class of plants

While speaking of climbers, it might be well to say a few words of the hardy section. Every retail florist, practically, has call for more or less of them, and while it might be hard to get more than 35c. or 50c. for a well grown Cobæa a customer will not object in the least to paying 75c. to $1, or often more, for a Clematis or Climbing Rose, for she buys a hardy vine when so doing, which is supposed to last for years to come. With the exception of a few varieties, you can buy from your nurseryman most all of the better known climbers at from $10 to $15 per 100, and you should carry a good assortment. Now a Boston Ivy, even a strong 2 or 3 year field grown plant, when dormant, looks awfully small, and so with many others, the label, the Sphagnum and burlap around the roots is about the only attraction; but when potted, and a few weeks in the greenhouse, it isn't at all hard to dispose of them and at good prices, therefore it pays to get a good stock into shape, and let your customers know you have it. Plants potted up next month, kept in a Violet house temperature, where they will come along slowly, will be in fine shape for planting out any time during Spring, Summer and Fall.

A Few Hardy Climbers

Such as the Average Florist Should Handle

It might be of help to the beginner, or the florist not much acquainted with the hardy vines and climbers, to name a few of the ones for which we have the most call. There is, in every place, call for the Boston Ivy—Ampelopsis Veitchii; you needn't cut them back when potting them, tie them up nicely and let them leaf out, but every plant should be pruned back to 5 or 6 inches from the roots, when planted out against the wall, or whatever the plant is supposed to cover, for only the young soft growth will cling to the wall. In Clematis, the best known is paniculata, the small white. Jackmani is the large purple, and Henryi the large white. In the Loniceras or Honeysuckles we have the Halleana, one of the best, the Gold Leaf and the Red, Coral, all good. Akebia quinata is fine where small foliage is desired. Dolichos Japonicus, the celebrated and much advertised Kudzu Vines, has large bean-leaf-like foliage, and grows 40 feet in one season. Wistarias are in as much demand as ever, and so is the Trumpet Creeper, Bignonia grandiflora. The Dutchman's Pipe and Matrimony Vine always sell, and so do the many fine varieties of climbing Roses. Another fine creeper is Euonymus radicans; its aerial roots cling to almost anything, and it has proved perfectly hardy in northern Illinois. Now is the time to place your order with the nurseryman for any wants in this line—do it while you think of it.

Seasonable Hints

Of Importance to the Retail Grower

With us, every hand is busy, and will be so more and more every day from now on, with the preparations for the bedding season. The one thing which has been in favor thus far has been the weather; hard freezing and snow have made outdoor operations impossible. There are but few retail growers who haven't lots of outofdoor work of some sort, and the moment things open up outside in Spring this work begins, and only too often matters are neglected inside. We sow out all kinds of seed, even transplant the young stock, all with good intentions, but before May much of this work will be found to have been done for nothing, as on account of there being too much of it the young stock has been stunted. Only too often do we undertake too much, and this is not only a mistake made by the beginner, who can be pardoned for it, but it is so with the man who has been years at the business. The lack of proper and sufficient help at the right time is the trouble. With this in mind we should start out right now to not only try but actually keep even, or nearly so, with the work. To keep ahead of it is not possible; there may be a day when at a first glance everything seems to be finished, for a few minutes at least, but it won't require much investigation to find that a dozen different things are waiting to receive attention. The good grower will arrange things so as not to let flats full of Verbenas, Salvias or Pansies suffer and become worthless before we find time to transplant them. Don't start out with too big a load to carry. The motto "Grow less but better stock" is fit for everyone of us. There are a few firms in the country who find it profitable to grow tens of thousands of certain varieties, and run their places almost like a manufacturing concern, but with the smaller grower, quality ought to be the watchward, for when it comes to growing a hundred different things in a limited space, each one having pecular characteristics of its own which have to be catered to, only the real gardner has a chance to show what can be done. Plan so as to do the work with as little expense as possible, but don't spare the proper help it requires to do it right. Don't lay off hands because business is dull, that is all right for a store, but in the greenhouse the amount of work to be done should regulate this. You are going to do any amount of business next May if you have the proper stock, so have sufficient help to prepare it now.

LINCOLN, NEB.—Yule Bros. of this city have acquired a third interest in the C. F. Harrison Nursery at York.

PITTSFIELD, MASS.—R. Engleman on Feb. 18 lost about 500 sq. ft. of glass in his greenhouse, through the weight of snow.

MARION, IND.—The Maple Heights greenhouses recently owned by Mrs. Alfred Butterworth have been sold to David Rudicel.

Dreer's Special Offer of Palms for Easter Decorations

Selected Stock of Excellent Value

Kentia Forsteriana

ARECA LUTESCENS.
6 inch pots, 3 plants in a pot, 24 to 26 inches high, $1.00 each.
7 inch pots, 3 plants in a pot, 36 inches high, $2.60 each.

COCOS WEDDELIANA. A leading specialty.
6 inch pots, 24 inches high, $1.00 each.
7 inch pots, 30 inches high, 2.50 each.

COCOS PLUMOSUS AND FLEXUOSUS.
In small tubs, 6 to 7 feet high, $7.50 each.
In small tubs, 7 to 8 feet high, 10.00 each.

KENTIA BELMOREANA.
6 inch pots, 6 to 7 leaves, 26 to 28 inches high, $1.60 each.
7 inch pots, 6 to 7 leaves, 34 to 36 inches high, 2.60 each.
The plants at $2.60 each are special values.

KENTIA FORSTERIANA. (Single plants.)
6 inch pots, 6 leaves, 28 to 30 inches high, $1.00 each.
6 inch pots, 6 leaves, 34 to 36 inches high, 1.60 each.
7 inch pots, 6 to 7 leaves, 36 to 40 inches high, $2.50 each.
8 inch tubs, 6 to 7 leaves, 48 to 50 inches high, 6.00 each.
11 inch tubs, 6 to 7 leaves, 7 to 7½ feet high, $15.00 each.
14 inch tubs, 6 to 7 leaves, 7 to 7½ feet high, 25.00 each.
15 inch tubs, 6 to 7 leaves, 7½ to 8 feet high, 30.00 each.
The two largest sizes are very heavy plants with bold massive foliage.

KENTIA FORSTERIANA. (Made-up plants.)
7 inch tubs, 3 plants in a tub, 36 inches high, $2.60 each.
7 inch tubs, 3 plants in a tub, 38 inches high, 3.00 each.
8 inch tubs, 3 plants in a tub, 40 to 42 inches high, $4.00 each.
8 inch tubs, 3 plants in a tub, 42 to 45 inches high, 5.00 each.
9 inch tubs, 3 plants in a tub, 4½ to 5 feet high, $8.00 each.
10 inch tubs, 3 plants in a tub, 6 feet high, $10.00 each.
12 inch tubs, 3 plants in a tub, 6 feet high, 15.00 each.
14 inch tubs, 4 plants in a tub, 6½ feet high, 20.00 each.

KENTIA SANDERIANA. A splendid graceful Palm.
4 inch pots, 3 plants in a pot, 15 inches high, $0.75 each.
6 inch pots, 3 plants in a pot, 18 to 20 inches high, $1.00 each.

LATANIA BORBONICA.
6 inch pots, 6 to 7 leaves, 15 to 18 inches high, $0.50 each.

PHOENIX CANARIENSIS. Splendid decorative stock.
7 inch tubs, 36 to 38 inches high, $2.60 each.
8 inch tubs, 42 to 45 inches high, 3.60 each.
10 inch tubs, 48 to 60 inches high, 6.00 each.
11 inch tubs, 60 to 64 inches high, 6.00 each.

For a more complete list of sizes, as well as for a full line of other seasonable stock, see our current Wholesale List.
The above prices are intend d for the trade only

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA

Please mention the Exchange when writing.

Gladiolus Society Wanted

Editor Florists' Exchange:

I notice in your issue of February 26 a communication from Mr. Vaughan regarding a Gladiolus society. I agree with him that the time has come when we ought to do something along this line. We have so many societies connected with the trade now that it is a question in my mind whether it would be wise to add another. But it seems to me that if the Society of American Florists would interest itself in this matter and provide for a Gladiolus committee or section, with the idea of having all new varieties passed upon by this committee before they are accepted by the general trade as being varieties of merit, it would be an excellent thing for all concerned. The Society of American Florists can easily do this, as at the present time their convention comes in August when Gladioli are at their best.

It was my privilege last Summer to watch and study some 2000 varieties blooming on one piece of ground, a collection brought together from all parts of the country, which offered an unusual opportunity of judging of the merits and demerits of many kinds. It goes without saying that the vast majority of the varieties were kinds that never ought to have had a name. There were kinds that have been introduced and exploited as being the very best in whites, pinks and other colors, for which high prices were asked, but when they came in bloom very often they did not compare favorably with kinds that have been introduced in years gone by and are now selling for very much less money. Then again, there were several different kinds under the same name, and in other cases a variety would be under anywhere from two to four names.

I, for one, would be very glad, indeed, to see something done to straighten this matter out and put the Gladiolus on a footing with such flowers as the Rose and Carnation. I. S. HENDRICKSON.

Estab. John Lewis Childs, Floral Park, N. Y.

Parthenocissus Tricuspidata

Editor The Florists' Exchange:

In Jan. 8 issue of The Florists' Exchange (page 49) there is, to say the least, an unjust, criticism of one of the staff of Kew Gardens, London, Eng., who has been held responsible for the above name in place of Veitch's Ampelopsis, as published in The Gardeners' Chronicle, page 814, 1868; that is to say, the name by which the plant Ampelopsis Veitchii has been so well known to the gardening world; but it must be borne in mind that this name has not received the sanction of any botanist who has carefully studied the Ampelidaceæ. It may interest plantsmen and other readers of The Florists' Exchange to know that according to the December number of Curtis's Botanical Magazine (which, by the way, is evidently considered worth quoting by such magnificent libraries as the Congressional at Washington, the Peabody in Baltimore, the Carnegie in Pittsburgh; in fact, wherever librarians have to cater to students of botany who want to know the facts about plants) the plant in question has already received the following names in addition to that mentioned above: Parthenocissus Veitchii, Ampelopsis tricuspidata, Ampelopsis Roylei, Ampelopsis Japonica, Cissus Thunbergii, Cissus Veitchii, Vitis inconstans, Vitis capreolata, Vitis Veitchii, Vitis Japonica, Quinaria tricuspidata, Psedera tricuspidata. These names have been given the plant by different botanists in Germany, France and England, and probably elsewhere (we believe one named Psedera tricuspidata emanated from a gentleman connected with a well-known institution in America).

It is not so long ago that a writer in The Florists' Exchange was protesting against adopting any name or names that emanated from Kew on the ground that the Kew authorities were lumpers; that is to say, lumped the species that the florists had a bread and butter interest in. Now that the Kew authorities are attempting to place a plant where it properly belongs, without disturbing existing nomenclature any more than is absolutely necessary, it seems to the writer that their hands should be upheld in the great work they are doing, especially when it is realized that the wealth of material which can be investigated by them, both of living and dried plants, is undoubtedly superior to that of any similar establishment in the world, in addition to which they seem to have adopted the sound policy of only changing existing nomenclature when it has been conclusively shown by a botanist who has carefully monographed a genus or family of plants that the existing nomenclature was wrong or partly wrong.

But here is what the botanical magazine referred to has to say about the plant:

"Nearly allied to the familiar Virginian Creeper, Parthenocissus quinquefolia, which also has viscous tendril tips. The plant here figured, when brought in general cultivation, in 1868, by Messrs. J. Veitch & Sons, was distributed as Ampelopsis Veitchii and A. Japonica. Quite recently, authorities, so careful as Koehne and Graebner, have once more endeavored to discriminate between these two plants, but it is generally conceded that they represent no more than two states of a single species, for which the most familiar garden name is Ampelopsis Veitchii."

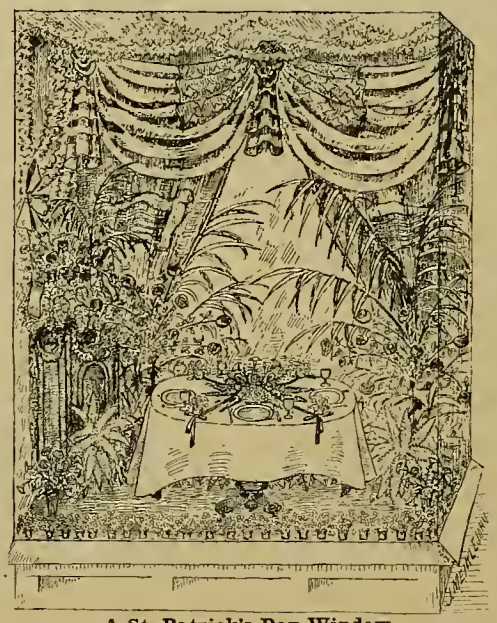
In works which accept the view enunciated in the Genera Plantarum, where the genus Vitis is made to include all the Ampelidaceæ except the species of Pterisanthes and of Leea, the plant is known as Vitis inconstans, a name which is, however, somewhat less familiar than that under which it was issued by Messrs. Veitch. But this view is almost universally considered too comprehensive, and writers who, like Mr. Sprague, follow the careful monograph by Planchon, where the Vitis of the Genera Plantarum is subdivided into nine distinct genera, are precluded from using either of these familiar names. Our plant is neither a Vitis in the narrower sense in which that name was originally and is now again more satisfactorily employed nor a genuine Ampelopsis.

It is a member of the genus which Planchon has termed Parthenocissus, readily distinguished from the other genera of Ampelidaceæ grown out of doors in this country, by having viscous tendril tips, by the absence of tendrils from the inflorescence and by the glandular hypogynous disk being entirely adnate to the ovary.

Incidentally, gardeners, nurserymen and others who are so apt to criticise botanists for changing of plant names, should remember that scientific names and descriptions are the means of making these known to the world much more largely and correctly than any popular English names could do. As an instance, some years ago the writer of this was inquiring of persons whom the writer had every reason to believe had a good knowledge of the popular names of the local flora in that State, and was told that the Virginia Creeper was plentiful around there and that it bore red or nearly that color flowers. This was news to the writer, as he had always supposed it was known in nurseries as Ampelopsis quinquefolia or Ampelopsis Virginica. It turned out that this "red-flowered" Virginia creeper was none other than Tecoma radicans, and the writer has found, after inquiry in some seven or eight different States that English or popular plant names are altogether unreliable as a means of identifying wild plants or even cultivated plants.

I trust, Mr. Editor, you will see your way clear to publish this fuller information about such a widely known plant as this elegant creeper, which has literally been sold by the millions since Messrs. Veitch first introduced it.

Md. WEST BRITON.



A St. Patrick's Day Window

Some day, not far off, either, all Retail florist will appreciate the advantages of this Department. But why wait? Break the ice now, on what may interest you, and write us freely. Correspondents solicited. Good photos wanted.

A St. Patrick's Day Window

What would be an appropriate and attractive window effect for St. Patrick's Day? It is a thought often expressed by the uptodate florist. I would suggest the setting shown in the accompanying sketch, which is both novel and effective. It is carried out as follows: First hire four 8 ft. flags, two American and two Irish. Hang the Irish flags perpendicularly from the rear of the window ceiling, at an equal distance from either side, then catch them about six feet down and fasten with a green ribbon to either side of the window casing. Hang the American flags over these in the following manner; catch the two unions together, tie them at the top with a cord, and fasten in the center of the ceiling, but well in the background, allowing the ends to fall gracefully over. Now catch the ends and bring them up to the sides, leaving a flap at each end, which will produce graceful folds in the center. Next cover the wall side of the window with a light green sateen, from top to bottom, and over this hang garlands of Asparagus plumosus, caught up at the outer edge four feet down from the ceiling, and tied with a broad green ribbon, leaving a streamer four yards long—which will be utilized later on—and a shorter one about a yard and a half long. Also hang garlands of Asparagus along the ceiling, as shown in the illustration. You now have the ceiling and upper side wall effect. The next step is to cover the floor with a rather dark green cloth. Now make a mantelpiece in the following manner: Take two boards 4 ft. long, 9 in. wide and 1 in. thick, also two boards of the same width and thickness in 2½ ft. lengths; stand them on edge and nail one short board to the longer one, parallel, at a distance of seven inches outside measurement with one end even. Use two strips on each side, 2 in. wide and 1 in. thick, countersunk and flush with the edge, one at the base and one two feet up. Now stand them upright and nail a 3 ft. board on top, from one 4 ft. upright to the other, thus forming a sort of square, with two smaller uprights inside. Now cut a part circle from a board 9 in. wide, 24 in. long, using the width of the board as the depth of the curve. Nail this from the top of one inside upright to the other, flush with the edge, forming an arch. You now have the mantel frame. Cover this neatly with dark green velvet and place it parallel with the wall. Next make a mantel board just an inch or so longer and wider than the mantel; nail it on top of same, and bank with pots of Adiantum Farleyense, placing a 3 ft. Kentia at the rear end. Now put two vases filled with water, in which green dye has been placed, back of the Ferns, and put a dozen white Roses in each, where they will suck up the dye and assume a pretty greenish hue. Place a good-sized Scottii Fern in the center of the arch or fire place. Now bring the four-yard streamer of ribbon, previously mentioned, over from the front to the small Palm on top of the mantel, making a three-loop bow. You now have a good representation of a dining room mantel banked with Farleyense Ferns and green Roses. Next place a 4-ft. circular table, with covers for four people, using plates, glasses and knives and forks. Take an 8-in. center piece, plant it with Shamrocks and insert twelve Orchid tubes among the same. Fill with water and green dye. Put one white Carnation, which has been previously placed in dye over night, in each tube; now lay long sprays of Asparagus Sprengeri on the table cloth, spreading from the center piece outward. Take some 2 in. green ribbon and make a bow, tied with wire on a Rose stick, and insert in the centerpiece. Bring a streamer over to the edge of the table, making a three-loop bow with one end. Fasten this a little to the right of each cover, making four streamers in all. Next take four good-sized raw Potatoes and slice off the top and bottom of each. Carve out a hole in the center just large enough to place a plant of Shamrock in. Gild them, plant the Shamrocks, and place one on top of each ribbon bow, as favors. Now place two 7 ft. Kentia Palms, one on the right side of the window just in front of the flag curtain, the other on the left side partly behind the curtain. Take a tall vase filled with a dozen long-stemmed American Beauty Roses, and place it in front of the left curtain, putting a small 3 ft. Kentia in front, with a border of Scottii Ferns placed on a slant. Follow the same scheme on the other side of the window, having the large Kentia in front of curtain instead of behind. Now place a row of small pots of Shamrock along the entire outer edge, and put a vase of Carnations, dyed green, in each outer corner, and

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — **ALBANY, N. Y.** **11 North Pearl Street**
Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Atlanta Floral Co. — **ATLANTA, GEORGIA** **41 Peachtree Street**
We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** **124 Tremont Street**
We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** **24 Tremont Street**
Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Robt. S. Wilson — **BROOKLYN, N. Y.** **Fulton St. and Greene Ave**
Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — **BUFFALO, N. Y.**
W. J. PALMER & SON, 304 Main St.

Hauswirth — **CHICAGO, ILL.** **The Auditorium Florist, 232 Michigan Ave.**
The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

JULIUS BAER, CINCINNATI, O. **Fourth St.**

Frank F. Crumb — **COLORADO SPRINGS, COLO.** **Retail Florist**
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co. — **CONNECTICUT** **New Haven** **1026 Chapel St., Opposite Yale College**
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. S. Matthews — **DAYTON, OHIO** **Florist, 16 West Third Street**
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

The Park Floral Co. — **DENVER, COLORADO** **1706 Broadway**
J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

Wreath Composed of Lilies and Maidenhair Fern
James E. Beach, Bridgeport, Conn.

fill in the background with good-sized Scottii Ferns placed on a slant. Quite an additional effect can be added by pinning gold fringe to the outer edges of the flags; also pin some gold braid, about an eighth of an inch broad, on the velvet of the mantelpiece, following the design as indicated by the dark thin line in the illustration; while suitable little novelties can be introduced in the foreground, being careful not to have too many of them or to have them too high, as this would mar the general dining room effect of the window. The writer in giving the sizes, measurements, etc., in the foregoing description has in mind a window 10 ft. high by 8 ft. wide, which he believes to be the average sized florist's window.

JAS. MEIKLEJOHN.

Holm & Olson — **ST. PAUL, MINN.** **20-22-24 West Fifth Street**
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

Sievers Floral Company — **70 Geary Street** **SAN FRANCISCO, CAL.**
"Choicest of Flowers Always on Hand."

John Breitmeyer's Sons — **DETROIT, MICH.** **Broadway and Gratiot Ave.**
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — **INDIANAPOLIS, IND.** **241 Massachusetts Ave.**
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — **JACKSONVILLE, FLA.** **20 Laura St.**
We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — **KANSAS CITY, MO.** **1017 Broadway**
I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — **LOUISVILLE, KY.** **644 Fourth Avenue**
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA** **855 St. Catherine St., West**
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Young & Nugent — **NEW YORK** **42 West 28th Street**
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** **25 Clinton Avenue, North**
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — **SCRANTON, PA.** **122 and 124 Washington Ave**
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

For "Supply" Advertisements see pages 432, 433

Decorated Automobile By J. R. Raymaster, Yonkers, N. Y.—See text

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By single man, 27, German, as assistant in general greenhouse work; commercial or private place; willing worker. Address, D. C., care The Florists' Exchange.

SITUATION WANTED—By single gardener, thoroughly competent with glass and outdoor work. Good references from prominent families. Address, D. H., care The Florists' Exchange.

SITUATION WANTED—A No. 1 Carnation grower, Gordon Roses, 'Mums, Smilax, bedding stock, etc.; sober, reliable, German (38) best of references; able to take charge; state wages. Address, D. K., care The Florists' Exchange.

SITUATION WANTED—By landscape gardener, perfectly competent at any kind of modern landscape work, also engineering, single, sober, reliable and recommended by architects. Address, D. G., care The Florists' Exchange.

SITUATION WANTED—By practical man as head gardener, experienced in flower and kitchen garden, trees, shrubs, lawns, greenhouses, etc., aged 38, married, one child. References. Address, D. B., care The Florists' Exchange.

SITUATION WANTED—By strong young man (20) 3 years' experience in greenhouses and outdoor work. Good orchid potter and good worker; sober and honest; best of references. Address, Alson, to be called for, P. O., New Rochelle, N. Y.

SITUATION WANTED—By German gardener and florist, married, two children, 38, 20 years' experience; advertiser was working for big concerns and has first-class references. Private place out of town preferred. Address, D. A., care The Florists' Exchange.

SITUATION WANTED—Giving up my place, would like to place my gardener, married, with me a number of years, in good position; can well recommend him as first-class gardener in all branches; fully competent to take charge; prefers place with greenhouses. P. Hoguet. Address: Greenhouses, 140th street, Riverside Drive, N. Y. City.

The Horticultural and Landscape Gardening Department of the Baron de Hirsch Agricultural School announces that the graduates are ready to fill positions with commercial houses engaged in floriculture and landscape gardening, and also positions on private estates as Gardener. These men are fully capable of taking charge of greenhouses, nurseries, parks and landscape gardens. For reference apply to H. W. Geller, Supt., Baron de Hirsch Agricultural School, Woodbine, N. J.

EXPERIENCED SEEDSMAN

Is anxious to change employers. At present holds prominent position. Experience in all branches: catalog writing, buying and selling. Practical knowledge of every branch in the business. Salary no object with a first-class house. Address, D. D., care The Florists' Exchange.

Our advertisers will find our

Stock for Sale Column

most advantageous for advertising special lots of plants, nursery stock, seeds, bulbs, etc.

For Quick Sales

HELP WANTED

WANTED—Single, American man for general greenhouse work; potting, watering, etc. Joseph Wood, Spring Valley, N. Y.

WANTED—Two young men as helpers in rose houses—call or write. L. B. Coddington, Murray Hill, N. J.

WANTED—An experienced man on Easter plants and for general greenhouse work. Pankok & Schumacher, 11th ave., Whitestone, N. Y.

WANTED—A young man (single) with experience in greenhouse work. Scandinavian or German preferred. Supt. "Beechwood," Scarborough, N. Y.

WANTED—An experienced storeman, designer and maker-up, for a prominent retail store in the metropolis of New York. Address, with references, D. L., care The Florists' Exchange.

WANTED—A good all-around man for small private place on the shore. Address, stating full particulars, The New Haven Nurseries, New Haven, Conn.

WANTED—At once, for permanent position, sober, capable salesman and designer, able to handle best trade. H. F. A. Lange Est., Worcester, Mass.

WANTED—A young man with some nursery experience to assist in Herbaceous Department. State wages wanted. Chas. R. Fish & Co., Worcester, Mass.

WANTED—Two thoroughly experienced men, one for Carnation section and one for Rose section. Apply with references. S. J. REUTER & SON, Inc., Westerly, R. I.

WANTED—An experienced storeman; must be able to take care of store; permanent position. References required. H. L. Bantelman, 1875 Amsterdam Ave., New York City.

WANTED—Men capable of superintending forestry work; also planters and landscape construction men. No drinkers. State wages. Address, Box 13, Fuller Building, Jersey City, N. J.

WANTED—An experienced nursery foreman, temperate and reliable. Only those with A 1 references need apply. Address, stating full particulars, D. F., care The Florists' Exchange.

WANTED—Assistant in Rose and Carnation houses; one capable of taking charge when necessary. Apply with copy of references and wages desired to D. I., care The Florists' Exchange.

WANTED—An experienced nurseryman for propagating shrubs, herbaceous and bedding plants. State references, age, and wages wanted. Address, Rhode Island Nurseries, Newport, R. I.

WANTED—Two men who are thoroughly competent to superintend the planting of ornamental trees, shrubs, etc., also the grading of lawns and road making. State experience and salary required. Permanent positions. Intemperate men need not apply. Address, Box 115, Little Silver, N. J.

WANTED—A foreman well posted in trees, shrubs and perennials, to take charge of park plantings, street and park trees; must be able to design and execute planting plans and know how to handle men. Promising position for right man; single man preferred. Give references and state salary wanted. Address, Theo. Wirth, Supt. Parks, Minneapolis, Minn.

NURSERYMAN WANTED

WANTED—A nursery salesman with knowledge of landscape work; must be familiar with the variety and value of all Evergreens; also a nurseryman who is able to take full charge of first-class nursery. Only men with A1 references need apply. Address, stating full particulars, C. C., care The Florists' Exchange.

STOCK FOR SALE

CHRYSANTHEMUMS

GLORIA, a large early Enchantress colored 'Mum, R. C., now ready, $1.00 per 25; $3.75 per 100, prepaid. Chas. Froet, Kenilworth, N. J.

CHRYSANTHEMUMS—October Frost, Estelle, Monrovia, Golden Glow, Halliday, Yellow Bonnaffon, Enguchard. Cash please. George A. Realyea, Poughkeepsie, N. Y.

EXCHANGE OR SELL—'Mums, R. C., stock plants, for Pink and White Enchantress, Beacon, Perfection, White Geraniume. Waverly Greenhouses, Tuckahoe, N. Y.

FIRST CLASS STOCK

	Doz.	100
BOSTON FERNS, 5-in.	$2.50	$20.00
DRACAENA Indivisa, 5-in.	2.50	20.00
VINCA Variegata, 4-in.	1.50	10.00
IVY GERANIUMS, mixed, 2½-in.		2.50
GERANIUM, Mme. Salleroi, 2-in.		2.00

F. C. RIEBE, Webster, Mass.

Please mention the Exchange when writing.

STOCK FOR SALE

CARNATIONS

CARNATIONS—Apple Blossom and Wanoka; strong rooted cuttings. Delivery, January 1. Wanoka Greenhouses, Barneveld, N. Y.

STOCK FOR SALE—Carnations, rooted, clean and strong, from boxes; Winsor, Beacon $24.00 per 1000. Rose Hill Nursery, New Rochelle, N. Y.

CARNATION CUTTINGS.

Strong, clean and well rooted.

STANDARD VARIETIES

	Per 100	1000
Enchantress	$3.00	$25.00
Rose Pink Enchantress	3.00	25.00
Winsor	3.00	25.00
Winona	3.00	25.00
Afterglow	3.00	25.00
Lawson	3.00	25.00
Melody	3.00	25.00
White Perfection	3.00	25.00
White Enchantress	3.00	25.00
Queen Louise	2.50	20.00
Beacon	3.00	25.00
Victory	3.00	25.00
Variegated Lawson	3.00	25.00
M. A. Patten	2.50	20.00
Mrs. Hutchison	3.00	25.00
Roosevelt	2.50	20.00
Boston Market	2.50	20.00
Flora Hill	2.50	20.00
Dorothy	2.50	20.00
Elbon	2.50	20.00
Liberty	2.50	20.00
Climax	2.50	20.00
White Beauty	2.50	20.00
Yellow Beauty	2.50	20.00

NEW VARIETIES

Alma Ward	15.00	120.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Dorothy Gordon	10.00	75.00
Apple Blossom	6.00	50.00
May Day	6.00	50.00
Georgia	6.00	50.00

S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia Pa.

ROSES

ROSE STOCK.

5000 White Killarney, 2½-in. pots now ready at $8.00 per hundred, $75.00 per 1000. Richmond, Brides, Maids, Chatenay, Golden Gate, Killarney and other standard kinds, $30.00 per 1000. Charles H. Totty, Madison, N. J.

	100	1000
ROSES Dorothy Perkins	$6.00	$50.00
Lady Guy	7.00	60.00
Sweetheart	9.00	
LIGUSTRUM Ibota, 3-4 feet	7.00	60.00
" 2½-3 feet	5.50	50.00

THE HORTICULTURAL CO.,
Worcester, Mass. Castle Hayne, N. C.

MISCELLANEOUS

FOR SALE—Primula obconica grandiflora, mixed colors, in bud and bloom, fine plants, 3-inch, 6c.; 2¼-inch, 2½c. Address, Floral Hill Gardens, Chatham, N. J.

ASPARAGUS PLUMOSA PLANTS

2¼-inch ..... $3.00 per 100
4-inch ..... 6.00 per 100

S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia, Pa.

STOCK FOR SALE—Geraniums, Beaute Poitevine, $8.00 per 100. General Grant, Ricard, Nutt, Beauty, etc., $7.00 per 100. All 4-in. fine plants; guaranteed true to name. Alonzo J. Bryan, Washington, N. J.

MARGUERITE DAISIES

Bushy plants from 3 in. ready for 5 in., will make fine stuff for Decoration Day, $5.00 per 100, $40.00 per 1000. Madsen & Christensen, Woodridge, N. J.

STOCK FOR SALE—Gladiolus Alice Carey, the best white in cultivation, No. 1, $5.00 per 100; $40.00 per 1000. America, No. 1, $4.00 per 100; $30.00 per 1000. Price list free. E. Y. Teas, Centerville, Ind.

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices George Peters & Sons, Hempstead, N. Y.

STOCK FOR SALE—Ivy, English, pot grown plants, 4-in. pots, 3 ft. long, 3 to 5 branches, $12.00 and $15.00 per 100. A. L. Miller, Jamaica ave., opp. Schenck ave., Brooklyn, N. Y.

STOCK FOR SALE—Hyacinths from 4-in. pots, just right for Easter, blue, white, rose, pink or mixed, $8.00 per 100; try them. Tulips, 3 to the pot, $10.00 per 100. Alonzo J. Bryan, Washington, N. J.

STOCK FOR SALE—GERANIUMS, standard varieties from 2-in. pots, $17.00 per 1000. Asparagus plumosus, 3-in., $4.50 per 100. Asparagus Sprengeri, 3-in., $4.00 per 100, from 2-in. pots, $2.00 per 100. J. S. Pfeuffer, Chester Heights, Pa.

STOCK FOR SALE—Dahlia Roots, undivided field-grown clump. White Swan, Pearl d'Or, Kreimhilde, Nymphia, Lyndhurst and Catherine Duer. Send for special price list. Wood & Healey, Hammonton, N. J.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

STOCK FOR SALE

MISCELLANEOUS

FOR SALE—Princess of Wales Violets. Our strain is the finest to be found in New England; free from disease or spider. Large clumps, $8.00 per 100; strong rooted divisions, $1.25 per 100; $8.00 per 1000. Sweet Hill Greenhouses, Carl R. Lloyd, Prop., Plaistow, N. H.

STOCK FOR SALE—Hydrangea arborescens grandiflora alba. We have the largest stock of strong, 2-year plants in America. Plants, 2 to 3 ft., $2.50 per doz., $15.00 per 100, $140.00 per 1000; good plants, 15 to 20 inches, $10.00 per 100. Price list. E. Y. Teas, Centerville, Ind.

STOCK FOR SALE—2000 Easter Lilies from 2 to 6 buds, 10c. per bud or flower. Fine Hyacinths all colors, 10c. a flower. Tulips and Daffodils, double and single, $3.00 and $4.00 per hundred in pot or cut. Cash with order please. Christian Dehn, Saratoga Springs, N. Y.

BOXWOOD

Boxwood, dwarf. Fine, well furnished, perfect, 2-year transplanted plants, 6 to 10 in., $1.50 per doz.; $8.00 per 100. Packed free. No samples. Guaranteed as represented above. CHAS. BLACK, Hightstown, N. J.

STOCK FOR SALE—Genuine Irish Shamrock, original plant coming from cemetery Downpatrick, Ireland. 2¼ in., without pots, $4.00 per 100, $35.00 per 1000; with pots, $4.50 per 100, $40.00 per 1000; 250 at 1000 rate. Order early. Terms, cash. J. D. Harcourt's Son, Wappingers Falls, N. Y.

BEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2¼-in. pots, $12.00 per 100, $110.00 per 1000. Bay and Box Trees, in all sizes, pyramid and standards. Write for list. Orchids, largest stock in the country. Ask for prices. Julius Roehrs Company, Rutherford, N. J.

FERNS AND ASPARAGUS

Boston, 3, 4 6 in. at 6c., 12c., and 35c.
Piersoni, 3, 4, 6 in. at 6c., 15c., and 40c.
Whitmani, 3, 4, 6 in. at 10c., 20c., and 50c.
Sprengeri, 2, 3, 4, 5 in., at 2c., 3c., 6c. and 12c.
Smilax, 3 in., 3c.
GEO. M. TODD, GREENSBORO, N. C.

AMOOR RIVER PRIVET—Great Bargain.
This is fine, 2-year stock.
5-6 ft., $4.50 per 100, $40.00 per 1000.
4-5 ft. $4.00 per 100, $35.00 per 1000.
3-4 ft. $3.50 per 100, $30.00 per 1000.
Also 1-year stock.
2-3 ft. $2.50 per 100, $20.00 per 1000.
1-2 ft., $2.00 per 100, $15.00 per 1000.
GEO. M. TODD, GREENSBORO, N. C.

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA

The true large flowering forcing variety, warranted true 2¼-inch pots at $3.00 per hundred, one year field grown strong 12 to 18 inches, $6.00 per hundred, $55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

SUNDRIES FOR SALE

FOR SALE—Best brands greenhouse glass, all sizes at special low prices. Small or large lots. C. S. Weber & Co., 10 Desbrosses st., New York City.

FOR SALE—Two Florists' wagons, one closed and one open. Both in the best of shape. For particulars and prices, address, S. S. Pennock-Meehan Co., 1608 Ludlow st., Philadelphia, Pa.

FOR SALE—At a bargain, a steel galvanized-iron wind-mill tower, 75 ft. high; tank capacity, 5,000. Also a 2½ h.p. Mertz & Weisse kerosene engine. Everything in perfect condition. Address, Lucas V. Bean, Larchmont, N. Y.

FOR SALE

Special Florists' Refrigerator 6 ft x 3 ft. x 8 ft. high, display three sides, mirror back, overhead ice, moss drawers, white enamel interior and exterior, glass shelving and tile floor. Plans, specifications and price on application. THE DUBOIS MANUFACTURING COMPANY, 39 Wooster street, New York City.

FLORISTS—A good snappy Shetland Pony with a light wagon or runabout with your business address on, will deliver you more orders in a day than two horses, and it is the best advertising we ever had; will also interest your own boy in the best business on earth. We have Ponies, in all sizes, rigs and harness in every style. Write us. Theo. F. Imbach, Morgantown, W. Va.

FOR SALE—Three greenhouses at No. 416 Elm Street, Pittsfield, Mass. Glazed with 16x24 A double thick glass; heated with one large 8-section Furman boiler, 2-in. pipe. The drip bars and other material are all of Cypress—just like new. We will sell all or any part of same. Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

FOR SALE—600 boxes 12x20 and 12x16 double thick glass; lot hotbed sash, 15,000 feet of 1-in., 6000 feet of 2-in. and 1½-in., 4000 feet 4-in. Hitchings pipe; 1400 feet ventilating apparatus; 2 Erie locomotive boilers, one No. 6 Lord & Burnham and ona No. 17 Hitchings, 2 years old; everything in first-class condition; 10 greenhouses, 20 x 110; complete or in single lots, very cheap. Inspect S. C. Nash Roseries, Clifton, N. J., or inquire Suessermann, 229 Livingston Street, Newark, N. J.

FOR SALE OR RENT

FOR SALE—4 greenhouses, 10,400 feet of glass; over half an acre of ground; 6-room cottage; 75 miles from New York City in a city of 30,000 population. For full particulars, address, George A. Relyea, Orchard Place, Poughkeepsie, N. Y.

FOR SALE—In East Williamsburg, L. I., 2 family dwelling with stable and 4 greenhouses with 6000 sq. ft. of glass; 5 lots, 25x100 ft., and piece of land to hire in rear of property. Place in good condition; convenient to all cars and trains. Estate of Andrew Groll deceased. Inquire of Jacob Amann, Florist, 1702 Metropolitan Ave., Middle Village, L. I., at Lutheran Cemetery.

FOR SALE

Florist property, 5 greenhouses, connected with large shed, good steam boiler, plenty of own water, 3 acres in city limits; conveniently located in large suburb 6½ miles from center Philadelphia; near train and trolley. Owner having other business, will make reasonable conditions of sale. For further details, address, D. E., care The Florists' Exchange.

FOR SALE

Greenhouse establishment with four semi-iron frame greenhouses, 16x24, glass, with good barn and out buildings. Eight room house with hot water heating; 3 acres of ground right near good town and also handy to the New York market. This whole place has been built the last 3 years and is in first-class condition; well stocked and beautiful grounds. Price $12,000, half cash. Address, A. G., care The Florists' Exchange.

FOR SALE—The Norwich (Ct.) Nurseries. Conducted by the late Stephen Crane for 35 years and by me for 7 years. A good, reliable, live business to be sold only because the owner has other business occupying his entire time. Address for terms and interview, O. E. Ryther, prop., Norwich, Ct.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED AT ONCE

10,000 unrooted cuttings of White Perfection, 10,000 unrooted cuttings of Pure White Enchantress, 10,000 unrooted cuttings of Enchantress. WHITE BROS., Gasport, N. Y.

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 5c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Easter Plants

VIOLET CLUMPS, Gov. Herrick, low bushy, coldframe plants full of buds and flowers, to pot up for Easter; $8.00 per 100.

FERNS, 5½-in., specimens, Boston and Scottii, fine stock, 35c. each.

GERANIUMS Mme. Salleroi, large 3-inch, full of cuttings, $3.50 per 100, $30.00 per 1000; 2-inch, strong, $2.00 per 100, other standard varieties, heavy branched, 3-inch, $3.50 per 100, $30.00 per 1000.

Cash.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

We Pay The Freight on cut-flower and design boxes. See our price list on page 432, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.

Box 200 • • • Castorland, N.Y.

FOR SALE

RADIATORS Steam, 1½c. per lb.; hot water, 2c. per lb. Guaranteed. All sizes in stock.

BOILERS The following new, round, portable hot-water boilers—guaranteed, 16-in., rated to heat 1,125 sq. ft. of glass, $34.00. 19-in., rated to heat 1,600 sq. ft. of glass, $46.00. 22-in., rated to heat 2,250 sq. ft. of glass, $64.00. 26-in., rated to heat 3,075 sq. ft. of glass, $90.00. Get our prices on second-hand boilers. We have one of the largest stocks of new and second-hand round and sectional hot-water and steam boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 18c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large Stock—All Makes and Sizes—Send for special prices.

STILLSON WRENCHES New, guar. 18 in., capacity 2 in., $1.20. 24 in., capacity 2½-in., $1.80. Flat chain wrenches, No. 3, capacity ¾ to 6 in., $3.86.

GARDEN HOSE In lengths up to 500 ft., with couplings, 60 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 86c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.66. Glazed with 10 x 12 double thick glass at $1.86. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.36.

PANSY AND FLOWER BOXES. All sizes. Send for prices.

GLASS New American natural gas made glass, packed 60 sq. ft. to the box, 8x10, 10x12 and 10x16 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1388-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

FOR SALE

GIGANTEUM LILIES

Just right for Easter, at a reasonable price.

I want about 4000 CANDYTUFT plants. Would exchange rooted Chrysanthemum cuttings for Geranium cuttings.

ARTHUR COOMBS, West Hartford, Conn.

Please mention the Exchange when writing.

SEED by the oz. or lb. **PANSIES** **PLANTS** 150,000

The Jennings Strain, fine field-grown plants, large-flowering, in great variety of fancy colors. Strong plants for cold frames, $3.00 per 1000, by express, 60c. per 100 by mail.

PANSY SEED, finest mixed, $5.00 per oz., $1.00 per pkt. of 4000 seeds. Sample of Pansy blooms by mail free.

SALVIA, Splendens and Bonfire. My Own Growing. Trade pkts. 25c. and 50c. each.

E. B. JENNINGS, Lock Box 254 Southport, Conn.

Grower of the Finest Pansies

Prices Advertised in these Columns are for THE TRADE ONLY

A $50.00 SOLID SILVER CUP

IS OFFERED FOR THE BEST

SIX ROSES

AT THE 1910 SHOW, IN NEW YORK,

OF THE AMERICAN ROSE SOCIETY

By

Moore, Hentz & Nash

For Specification, see Prize Schedule

Please mention the Exchange when writing.

Catalogs Received

JOHN LEWIS CHILDS, Floral Park, N. Y.—An 8-page booklet entitled "Gladioli, Suggestions on Forcing Best Varieties, Notes and Remarks."

WILLIAM TRICKER, Arlington, N. J.—A 16-page catalog of Water Lilies and Hardy Old-fashioned Garden Flowers. This is a very comprehensive list of the best things in the lines catalogued. The list of Water Lilies is quite extensive and embraces Nymphæas, Nelumbiums and Victorias (Royal Water Lilies). The plant section covers many new and rare hardy perennials, Roses and Rhododendrons, as well as many greenhouse and decorative plants.

BOBBINK & ATKINS, Rutherford, N. J.—A 124-page catalog of Roses, Ornamental Evergreens, Conifers, Hardy Evergreen Flowering Shrubs, Weeping and Standard Deciduous Trees, Deciduous and Flowering Hardy Plants, Hardy Vines and Climbers, Spring and Summer-flowering Bulbs, Roots and Plants, Decorative Flowering and Bedding Plants, Pot Grown Forcing Plants, Fruits, and Hardy Herbaceous Plants. The catalog is well printed, on good paper, is profusely illustrated by half-tones, and appears in handsome covers with designs in half-tones of Roses and a Rhododendron planting.

H. H. BERGER & CO., 70 Warren St., New York City.—Spring Catalog for 1910, of Flower and Vegetable Seeds, Roots and Bulbs, Rare Japanese Shrubs and Trees, Roses, Rhododendrons, Hardy Vines and Climbers, Small Fruits, etc. There are several novelties shown, among them a new dwarf Delphinium Chinense, a new strain of Salpiglossis, a new Poppy, a new sweet-scented Dahlia called Coronata, some Sweet Pea novelties, Siberian Edelweiss, Tufted Pansies and Shirley Poppies. The publication embraces 80 pages and is profusely illustrated with half-tones. The catalog appears in covers bearing on the front page a garden view, and on the rear page some Poppies, both in natural colors.

BERTRAND H. FARR, Wyomissing, Pa.—"Farr's Hardy Plants." This is a 64-page catalog of perennials. In it some 16 pages are taken up with a list of Irises—in the cultivation of which Mr. Farr is a specialist—which contains many new and rare varieties. There are ten new seedling Irises listed for the first time, four of them in the Pallida section, including Juniata, a beautiful clear blue, deeper than Delmatica, with very large sweet-scented flowers. The Peony list, too, is very extensive and occupies several pages. Phloxes, Dahlias, Poppies, and Roses also form prominent sections of the book. There are two color plates, one a view of a Peony field at Wyomissing, the other showing six varieties of Oriental Poppies. There are several half-tone illustrations of good size throughout the book. The catalog appears within handsome covers, showing on the front page reproductions in natural colors of four of the Irises introduced this year, and on the rear page a representation, also in colors, of Peony Cameron.

WHOLESALE TRADE LIST

ASPARAGUS plumosus, 3-in. pots, $5.00 per 100.
ASPARAGUS Sprengeri, 2½-in. pots, $3.00 per 100.
CLEMATIS paniculata, 4-in. pots, $10.00 per 100.
CLEMATIS paniculata, 3-in. pots, $5.00 per 100.
CLEMATIS, 2 year old plants, dormant, $3.00 per dozen; colors, Purple, White and Pink.
DRACAENA indivisa, 4-in. pots, $10.00 per 100.
FEVERFEW, The Gem, 3-in. pots, $4.00 per 100.
DAISY PLANTS, White and Yellow, 3-in. pots, $5.00 per 100; 2½-in. pots, $3.00 per 100.
DAISY, Queen Alexandra, 3-in. pots, $5.00 per 100.
ENGLISH IVY, 3-in. pots, $5.00 per 100.

ROOTED CUTTINGS from soil, $1.00 per 100.

COLEUS, Verschaffeltii, Queen Victoria, Golden Bedder, Firebrand; **HELIOTROPE,** blue and white; **FEVERFEW; LOBELIAS,** double and single blue; **FUCHSIAS,** 4 varieties; **ACHYRANTHES; GAZANIAS; CIGAR PLANT; GERMAN IVY; AGERATUM; GERANIUMS,** assorted varieties.

Cash with order please.

C. EISELE

11th & Westmoreland Sts., PHILADELPHIA, PA

PLANTS AND ROOTED CUTTINGS

Fine, Clean, Strong, Well-Rooted Stock

Rose Cuttings

	100	1000
Richmond	$2.00	$17.50
Chatenay	2.00	17.50
Bridesmaid	2.00	17.50
Bride	2.00	17.50
Uncle John	2.00	17.50
Ivory	2.00	17.50
Killarney	2.50	20.00
Perle	2.50	20.00
Sunrise	2.50	20.00

Roses from 2½-inch Pots

	100	1000
My Maryland	$6.00	$50.00
Richmond	3.00	25.00
Chatenay	3.00	25.00
Bride	3.00	25.00
Bridesmaid	3.00	25.00
Uncle John	4.00	35.00
Ivory	4.00	35.00
Perle	4.00	35.00
Sunrise	4.00	35.00

Carnation Cuttings

	100	1000
O. P. Bassett	$6.00	$50.00
Victory	2.50	20.00
Beacon	2.50	20.00
Winsor	2.00	15.00
Rose Pink Enchantress	1.50	12.50
Lawson	1.50	12.50
White Lawson	1.50	12.50

PETER REINBERG, 35 Randolph Street, Chicago

BLUNDER RIBBONS

are usually cheap Ribbons that look all right until you use them with your decorations, and then you wish you had something different. Something different in Ribbons, are the qualities that bear **THE PINE TREE LABEL.** These are the Ribbons for **Novelty decorations, funeral decorations, banquets, weddings, etc.;** they are rich toned Ribbons, have a high lustre, are soundly constructed and yet they often cost little more than these Blunder Ribbons.

You will find it pays to use the best Ribbons especially when you can get them at our close quotations **direct from the Mill.**

Sample swatches will prove values. A postal brings them

The Pine Tree Silk Mills Co.
806-808-810 ARCH STREET
Philadelphia, Pa.

Please mention the Exchange when writing.

FANCY OR DAGGER FERNS, $1.00 per 1000.

GALAX, bronze or green, $1.00 per 1000. **SPHAGNUM MOSS,** 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Telegraph office: New Salem, Mass. L. D. Phone Connection

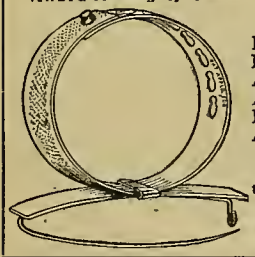
Partridge Berries, $2.00 per 1000 or 10c. per bunch of 50 sprays.—Order now. Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $12.00 to $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

WILSON'S CORSAGE-BOUQUET HOLDER

Award of "Highly Commended" of the S. A. F. Trade Exhibition at Cincinnati.



Holds Corsage-Bouquets securely and gracefully.
Prevents damage to apparel.
Adjustable to any diameter of bouquet stem.
Adaptable to anything from Violets to Roses.
Does away with Corsage Pins.
A handsomely silver plated article and ornamental in itself.

Samples to the trade, **25c. each,** by mail postage paid. **By the dozen $3.00,** postage paid. Correspondence Solicited.

Address

ROBERT G. WILSON, Fulton St. & Greene Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Henry M. Robinson & Co.,

Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

Dagger and Fancy Ferns, $1.50 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

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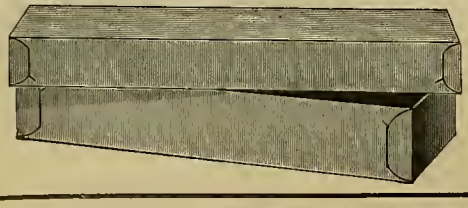
CUT FLOWER AND DESIGN BOXES



All Sizes, Lowest Price

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C. C. Pollworth Co.

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REED & KELLER

122 W. 25th Street NEW YORK

We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

F. E.—The Best Advertising Medium

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

Please mention the Exchange when writing.

Retail Notes

NEW ROCHELLE, N. Y.—W. S. Hitchcock has opened a retail store on Main st.

SCHENECTADY, N. Y.—Marvin K. Champion has opened a florist store at 220 Nott Terrace.

NEW HAVEN, CONN.—Charles Munro is building a Palm room at the rear of his store, 974 Chapel st.

CHATTANOOGA, TENN.—T. L. Metcalf of Hopkinsville, Ky., is opening a flower store at 730 Georgia ave.

OCEAN HEIGHTS, N. J.—M. S. Fleming, proprietor of the Ocean Heights Flower Shop, 1345 Pacific ave., will establish a conservatory at 104 So. Carolina ave.

Japanese Miniature Gardens

Before a transformation scene, the like of which has not before been witnessed in England, a Japanese garden artist of fame explained to me on Wednesday the crowning wonder of the Japan-British exhibition at Shepherd's Bush, and disclosed some of the secrets of culture.

Two separate acres in different parts of the exhibition will be converted, under 100 and more British workmen, into Japanese landscape gardens, representing two of the seven styles or schools prevailing in Japan. On one site the S-shaped lake is already excavated and the 16-ft. hill is rising. Quaint stringed and pegged patterns are dotted over the grass and the structure of the bridges, one over a railway, the others over the lake—are mapped out.

On this acre a whole countryside will be represented; a high waterfall, lakes, hills, trees, grass, flowers, with many other features. The Iris and the Lotus lake are side by side; and the supreme glory will be the Wistarias, some dwarf trees covered with bloom, some wide and spreading. All the plants will come direct from Japan; the Lotus plants and Irises and 16-ft. Maples, as well as the 200-year-old dwarf trees, the stones, and the 300-year-old stone lantern towers, with every bit of lichenous and mossy growth carefully protected. The flowers are coming by way of America, for fear that the heat of the other route should make the Lotus and Irises flower prematurely.

How to grow the dwarf trees has been kept a secret, but Mr. Eida (the Japanese artist) assured me that the secret was continual labor along the following lines: After some years' growth the tap root is cut, then every year the tree is repotted with necessary root trimmings; and, for the rest, growth is arrested by continually changing the tree from dark rooms to light rooms and from cold to hot, with immense care in supplying the exact amount of water. One of the favorite manures is powdered oil-cake, accurately measured out in teaspoons.—W. B. T. in *Daily Mail* (Eng.)

CULTURAL DIRECTIONS

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY
962 Mill Street, KENDALLVILLE, IND.

Please mention the Exchange when writing.

"Getsthere Soap Mfg. Co.
Conshohocken, Penna.
Please send us at once the enclosed order of your Getsthere Insecticide Soap. We find this a very satisfactory article for use on plants, and we recommend it highly.
ROBERT CRAIG & CO.,
Philadelphia, Pa.

GETSTHERE SOAP CO.
CONSHOHOCKEN, PA.

Please mention the Exchange when writing.

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.25	28x8x4	$4.50
18x6x3	2.25	30x6x3½	3.75
24x6x3½	3.00	36x6x5	6.50
21x7x3½	3.25		

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.50
18x18x8	9.00	36x10x6	10.00
20x20x8	10.00	30x12x7	8.50
24x24x8	12.00	28x12x4	6.50
24x18x8, Pillow Box			12.00
20x16x8, Pillow Box			10.00

10% discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.
Box 205 CASTORLAND, N. Y.
New York Office, 20 East 42nd Street

Please mention the Exchange when writing.

Orders by Telegraph

For twenty-five cents, cash, we will forward you a handsomely printed card, worth framing, which you can hang in a conspicuous part of your store, to let your customers know you "fill orders for flowers, plants or floral designs to any point" by telegraph.

A copy of Arnold's Florist's Code, price $2.50, will give you a key for the cipher transmission of orders to any of the advertisers in our "Directory of Reliable Retail Houses." All for sale by

The Florists' Exchange
No. 2 Duane St., N. Y.

USE KRICK'S

Perfect Handles and Hangers

Just the thing for Easter.

When crowded for space will sustain the weight of 100 pounds.

Sample and prices on request.

CHAS. A. KRICK
1164-66 GREENE AVE., BROOKLYN, N. Y.

Please mention the Exchange when writing.

WE MANUFACTURE

ICE BOXES

The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing **Art Wood Novelties** exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK

'Phone 4254 Madison Square

Please mention the Exchange when writing.

MICHIGAN CUTFLOWER EXCHANGE, Inc.

Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

Southern Wild Smilax

Now ready for shipment.

Write, wire, or 'phone the introducers.

CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA

Please mention the Exchange when writing.

THE EXCHANGE—Best Advertising Medium

THE KERVAN CO. 113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Bark, etc., etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

WHOLESALE PRICE LIST

GALAX, FERNS AND LEUCOTHOE

Direct from the woods to the dealer.

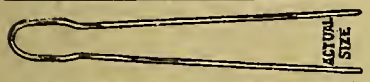
	Per 1000
Galax, green and bronze	$0.50
Ferns, dagger and fancy	1.00
Green Leucothoe Sprays, regular lengths	2.00
Green Leucothoe Sprays, 10 to 15-in.	1.00
Bronze Leucothoe, regular lengths	2.75

Special prices on lots of 100,000 and up.

Terms, strictly cash, f. o. b. Elk Park, N. C.

NORTH CAROLINA EVERGREEN CO., Banners Elk, N. C.

Please mention the Exchange when writing.



TIME IS MONEY Save half the time greenin' your designs by using Florist Greening Pins. 20c. per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c. per lb. Write for prices on larger quantities.

WM. J. SCHLATTER & SON, 422 Main Street SPRINGFIELD, MASS.

Please mention the Exchange when writing.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

Please mention the Exchange when writing.

E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

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WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire

IGOE BROTHERS

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes

63-71 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

F. E.—The Best Advertising Medium

Rhododendron Maximum
Hemlock Branches
for Cemetery Use

Always Fresh From the Forests

LOG MOSS in Large Sheets

Good Green Color—Well Dried

$1.60 PER BAG

ORDER NOW FOR EASTER

Alleghany Mountain Evergreen Company

FARMINGTON, PA.

THE third edition of our Design Book is now ready to be mailed out to purchasers. It has been thoroughly revised and greatly improved and is easily worth Ten Dollars a copy to any one with a Retail Trade. Sixteen pages have been added, older designs eliminated and many new and beautiful suggestions incorporated.

The Florists' Exchange Design Book

HANDSOMELY PRINTED ON ENAMELED STOCK, AND CONTAINING 80 PAGES, SIZE 9 x 12 INCHES, WITH STRONG PAPER COVER.

The work contains a reproduction of some 216 Designs, such as:
Bridal Bouquets, Broken Columns, Christmas Wreaths and Baskets, Easter Baskets and other Easter Designs, Casket Covers, Gates Ajar, Floral Chairs, Harps, Horseshoes, Lyres, Pillows, Easels, Panels, Anchors, Wreaths in great assortment, Standing Wreaths, Standing Crosses.

Miscellaneous Designs in quantity, including Decorated Automobiles, Railway Designs, Flags, Ships and Steamers, Shields, Broken Wheels, &c., Emblems, Table, Mantel and Mirror Decorations and Christmas and Church Decorations.

Page 80 shows forms for Masonic, Fraternal and other Orders, for which wire designs are kept in stock by the supply houses.

TERMS OF SALE

The Florists' Exchange for two years and one copy Design Book, $2.50, delivery prepaid. This offer is open to new subscribers or to renewal subscriptions. One copy of the Design Book to present subscribers for 75c., delivery prepaid. No copies obtainable except as above. Money refunded if book is not satisfactory to purchaser.

Only one copy can be supplied at the 75c. rate. Subscribers desiring more than the one copy can secure them at the rate of $1.00 each, postage prepaid.

Handsomely and durably bound, in stiff board covers, with 32 blank leaves for pasting in clippings of other designs, at One Dollar additional to above prices.

All prices include delivery prepaid.

The Florists' Exchange, P. O. Box 1697, New York City

WINNERS—Read Their Record

Pittsburgh, January 26, 1910

S. A. F. Silver Medal for best vase of 50 not yet disseminated—**Mrs. C. W. Ward.**
S. A. F. Bronze Medal for second best vase of 50 not yet disseminated—**Alma Ward.**
Best 100 light pink—**Mrs. C. W. Ward.** Best 100 white—**Alma Ward.**
Special Sweepstake Prize for best vase of any color—**Alma Ward.**

MRS. C. W. WARD

MRS. C. W. WARD is a perfectly formed flower with full center; color deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems, 24" to 36" in length. A vigorous, healthy grower, and has never shown disease of any kind.

A very early and free bloomer, producing fine flowers as early as September 1, which bring from twenty-five to fifty per cent. more than any other variety on the market.

Rooted Cuttings, $2.00 per 12, $12.00 per 100, $100.00 per 1000.
25 at the 100 rate. 250 at the 1000 rate.
DELIVERY FEBRUARY 21st

ALMA WARD

This beautiful Carnation is pure white, except during dark weather, when it shows delicate splashings of pink similar to the Cattleya, increasing its popularity.

ALMA WARD is the largest, most fragrant Carnation ever grown, producing perfect flowers 3½" to 4½" in diameter, on strong, erect stems, 36" to 42" in length.

Rooted Cuttings, $3.00 per 12, $5.00 per 25, $9.00 per 50, $15.00 per 100, $35.00 per 250, $65.00 per 500, $120.00 per 1000.
DELIVERY MARCH 1st.

FORMER AWARDS

MRS. C. W. WARD

Silver Medal of the Society of American Florists, Boston, 1906.
The Craig Cup for Best Seedling, Philadelphia, 1906.
The Lawson Bronze Medal, Washington, 1908.
The Horticultural Society of N. Y. Silver Medal, Sweepstake Prize for Best 100 Blooms, New York, 1909.
The Horticultural Society of N. Y. Diploma for Best New Variety, New York, 1909.

ALMA WARD

The Lawson Silver Medal, Toronto, 1907. (No Gold Medal having been awarded.)
The Lawson Gold Medal, Washington, 1908.
Silver Medal of the Society of American Florists, Washington, 1908.

INVITATION We extend a cordial invitation to all those interested to visit our establishment, where they will have an opportunity to see these varieties growing and to compare their good point with other standard varieties grown under the same conditions.

COTTAGE GARDENS CO. Inc. QUEENS (L. I.), N. Y.

Please mention the Exchange when writing.

PALMS

Extra good values in Palms for Easter. Stock in perfect condition

KENTIA BELMOREANA 6 in. pots, 6 leaves, 20 to 24 in. high, $1.00
7 in. pots, 6 to 7 leaves, 24 to 26 in. high 1.50
7 in. pots, 6 to 7 leaves, 26 to 28 in. high 2.00
8 in. pots, 6 to 7 leaves, 32 to 34 in. high 2.50
8 in. pots, 6 to 7 leaves, 34 to 38 in. high 3.50

KENTIA FORSTERIANA 6 in. pots, 6 leaves, 34 to 36 in. high 1.50
7 in. pots, 6 to 7 leaves, 36 to 40 in. high 2.50
8 in. pots, 6 to 7 leaves, 40 to 44 in. high 3.50
8 in. pots, 6 to 7 leaves, 44 to 48 in. high 4.50
10 in. pots, 6 to 7 leaves, 5½ ft. high 8.00

Made up **Kentia Forsteriana**, strong bushy plants, 3 plants to a tub.
7 in. tubs, 40 to 44 in. high 4.00
8 in. tubs, 44 to 48 in. high 5.00
10 in. tubs, 44 to 48 in. high (heavy) 6.00
10 in. tubs, 48 to 52 in. high (heavy) 7.00
10 in. tubs, 50 to 54 in. high (heavy) 8.00

PHŒNIX ROEBELENII 5 in. pot plants, nicely characterized, $1.00 each, $10.00 per dozen.

THE STORRS & HARRISON CO., PAINESVILLE, OHIO

Please mention the Exchange when writing.

Bay Trees, Box Trees, Evergreens, Palms, Crotons and Stove Plants

Ferns, Aspidistras, Araucarias,
PHOENIX CANARIENSIS
Large Oleanders and many other plants

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Please mention the Exchange when writing.

PALMS!

KENTIAS, in 2½ inch pots, $8.00 per 100; $75.00 per 1000.

JACKSON & PERKINS CO., Newark, (Near Rochester) New York

Please mention the Exchange when writing.

True Irish Shamrock

Nice thrifty stock, 2-in. Per 100 $3.00, per doz., by mail, 50c.

ROOTED CUTTINGS

	Per 100
Double Petunias, 25 vars., Dreer's strain	$1.00
LANTANAS, Dwarf, 5 vars.	1.00
LANTANAS, trailing	1.25
HELIOTROPE, dark, for soil, R. C.	1.00
GAZANIA Splendens	1.50
STROBILANTHES Dyerana	1.25
AGERATUM, Gurney, Pauline, and White	.60

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

Shamrocks

We have 25,000 True Irish Shamrocks for your Saint Patrick's Day trade.

The plants are in 1-in. toy pots, at $4.00 per 100, $35.00 per 1000. 1¾-in. pots (the popular size), same price as above. 4-in. pans, at $12.50 per 100.

Cash with order.

Get in line now for some extra money on March 17.

LEONARD COUSINS, Jr.
Concord Junction, Mass. Telephone Connection

DOMOTO BROS.

Wholesale Florists

Store, 2729 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.

Headquarters for
Japanese Plants and Bulbs, Choice Roses Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.

Please mention the Exchange when writing.

JOSEPH HEACOCK CO.

WYNCOTE, PA.

Growers of fine **KENTIAS**

Send for Price List

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

Prices Advertised in these Columns are for THE TRADE ONLY

VIOLET CULTURE
Price, $1.50 Postpaid
A. T. De La Mare Ptg. & Pub. Co., New York.

Seasonable Stock

Ready

Rooted Cuttings of Carnations

Enchantress, Rose Enchantress, White Enchantress, Beacon, White Perfection, Welcome at $2.50 per 100, $20.00 per 1000.

Georgia, new white, $4.00 per 100.

Rooted Cuttings of Chrysanthemums

October Frost, Golden Glow, Rosiere, Monrovia, Bailey, Appleton, and many others; $2.00 per 100. Pot plants, 2½ inch, $3.00 per 100.

VIRGINIA POEHLMANN, GOLDEN EAGLE, LYNNWOOD HALL, $4.00 per 100.

MRS. W. E. KELLEY, PRES. TAFT, $10.00 per 100.

A Few Stock Plants of Chrysanthemums Still Left

n following kinds at $3.00 per 100, $25.00 per 1000: OCTOBER FROST, CLEMENTINE TOUSET, APPLETON, GOLDEN GLOW, ALICE ROOSEVELT, DR. ENGUEHARD, WHITE BONNAFFON, YANOMA, NEW WHITE SEEDLING No. 1.

I. M. RAYNER, Greenport, N.Y.

Please mention the Exchange when writing.

CARNATIONS ROOTED CUTTINGS

	100	1000
WHITE		
Apple Blossom	$5.00	$40.00
Mrs. J. C. Vaughan	4.00	
White Enchantress	2.50	20.00
PINK		
Afterglow	4.00	
Viola Sinclair	3.00	25.00
Winona	3.00	25.00
Mrs. Thomas Lawson & Winsor	1.50	12.00
CRIMSON		
Harvard	3.50	30.00
Harry Fenn	1.25	10.00

February and March delivery.
Less 3 per cent for cash with order.
Quality guaranteed or money refunded.

B. F. BARR & CO.
Keystone Nurseries, Lancaster, Pa.

Please mention the Exchange when writing.

CARNATIONS and CHRYSANTHEMUMS
ROOTED CUTTINGS
Send for price list.
WILLIAM SWAYNE, P. O. BOX 215, Kennett Square, Pa

Please mention the Exchange when writing.

Carnations
F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

CYCLAMEN
Splendens Giganteum Hybrids.
The strain which I offer is unsurpassable, (August Seedlings); twice transplanted from flats, in five colors including fringed varieties, $3.00 per 100, $25.00 per 1000; from 2½-in. pots, $5.00 per 100, $45.00 per 1000.

GERANIUMS
Standard varieties, strong well grown plants, from 2¼-in. pots, $2.50 per 100, $22.00 per 1000.

CANNAS
Alphonse Bouvier, Duke of Marlborough, Chas. Henderson, Chicago, Papa Nardy, strong tubers, 2-3 eyes, $15.00 per 1000.

PAUL MADER, East Stroudsburg, Pa.

Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

For Those Who Want to Study Landscape Gardening

In answer to question 45, in issue of Feb. 26, regarding correspondence course in Landscape Gardening, would suggest that J. T. D. communicate with "Home Correspondence School," Dept. H. A., Springfield, Mass. A 250-page catalog will be sent upon application.

L. M. STOWELL.

Cromwell, Ct.

Baltimore

Williamson & Watts, one of our leading drug houses last Saturday offered to the public 1000 bunches of single Violets, 25 in a bunch at 19c. They have once a year Violet day, that combines with their sale of Violet preparations.

Fred Reitz, Woodlawn, Md., who is the heaviest bulb importer, is guessing. He has taken his Dutch bulbs inside to force and is a little afraid he will miss getting them in for Easter.

D. T. Connor, of the Lord & Burnham Co. was a visitor last week, looking for business.

The S. L. Lamberd Co. has rearranged its store to better advantage, bringing its seed department all on one side. Entering its large establishment a line of farming implements is to be seen set up ready for inspection. This display has been lacking with our implement houses here; seldom could an article be seen satisfactorily, and Mr. Lamberd realizing the defect at once set to work and had samples rigged up. He has also issued an uptodate catalog containing a fine line of choice garden seeds and the farming implements. He is going after the high-class trade, and will carry the latest in supplies.

The Market

The market has been keeping up fairly well, considering the extreme cold weather we have been experiencing up to last Saturday. On Sunday the thermometer climbed up to 68°, making a bright, clear Spring day. The trade had many visitors inspecting the Easter stock, which is making good headway and some little business was done.

Last week the market florists were up against it, unable to stand on the streets until last Saturday, and a great amount of cut blooms was on hand, the stalls loaded to their full capacity and flowers selling at an extremely low price. The street fakers had quantities of Roses and Violets, and thousands of Carnations. The Florists' Exchange is overloaded with Carnations, but the management moves them to the best advantage and the growers seldom complain. Roses are steadier, Violets are plentiful, retailing at 50c. per 100 for singles. Bulbous stock is getting heavier. Greens of all kinds are plentiful enough to meet the demand.

Club Meeting

The regular meeting of the Gardeners and Florists' Club was held in the Club rooms last Monday night with a small attendance, the weather being anything but agreeable. However, an interesting meeting resulted, with a deal of humor among the members. Some interesting subjects were held over until the last meeting in March. Much regret was expressed at the meeting that no Dorothy Gordon Carnations were sent to the Club's Carnation exhibition last month, as great interest is taken in this particular variety.

George Morrison, Carroll, Md., had on exhibition some very fine specimens of Cinerarias in 10-in. pots, 2½ ft. tall. The plants were well flowered and attracted considerable attention. The question box was dispensed with.

Ladies' Bowling

The bowling scores made last Wednesday evening by the ladies' bowling team, at the Garage alleys, were as follows:

				Totals
Mrs. James Boone	105	96	93	294
Mrs. H. Klein	84	92	68	244
Mrs. C. Seybold	123	105	79	307
Mrs. F. C. Bauer	120	145	152	417
Miss Cloman	68	97	92	257

C. N. J. Hannigan, florist for James A. Garey, Catonsville, Md., has fourteen boxes of some very fine Ulrich Brunner Roses growing in his grapery. The boxes are 4 ft. by 6 in. and contain six bushes to the box. The foliage is perfect, and the plants average three to seven buds. They were planted last June and he is now cutting some perfect blooms. He also has a choice collection of Roses, Carnations, single Violets and a large variety of plants. It is a pleasure to see the condition of his range of houses.

J. L. T.

SHASTA

WE are now shipping fine, strong cuttings of **Shasta,** as fast as they are ready to come out of the cutting bench. Orders on our books will take all that will be ready up to February 15th. If you want late February delivery you should send in your order at once before the other fellow gets them.

Come and see it growing if you can. Once you see it you will want to grow it. $12.00 per 100, $100.00 per 1000.

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

"Canary Bird" THE BEST YELLOW CARNATION EVER INTRODUCED

EARLY—FREE—LARGE

Rooted Cuttings Ready Now, per 100 $12.00, per 1000 $100.00

Henry Schrade Saratoga Springs, N. Y.

Scranton Florist Supply Co. Scranton, Pa.

Westerly, R. I., Feb. 12, 1910

HENRY SCHRADE,
Saratoga Springs, N. Y.

Dear Sir:—We received the cuttings of "Canary Bird" this day in good condition, and are also well pleased with the appearance of the blooms you sent us of this variety. In fact, we would like to increase our order, as this carnation looks very good and we would like to grow a fair batch for trial next season. The blooms which you sent us are at this writing in good condition, they having expanded considerable and it shows to be a good keeper. Can you ship us at an early date an additional quantity of cuttings?

An early reply would be appreciated.

Yours very truly,
L. J. REUTER,
For S. J. Reuter & Son, Inc

Please mention the Exchange when writing.

CARNATION GREEN

WE have a very powerful coloring which will dye many white flowers a beautiful emerald green in a few hours by absorption, or instantly by immersion. This dye is combined with a very powerful and harmless chemical agent which helps to preserve and color the flowers. We have the coloring in Red, Blue, Yellow and Green. Directions with each package, which will make 3 to 4 quarts of coloring. Don't be fooled with cheaper dyes, but get the real article.

PRICES: 1 package 75c.; 6 packages $4.00; 12 packages $7.50

Sent postpaid on receipt of price. Address

THE PHILADELPHIA CHEMICAL CO., Philadelphia, Pa.

C. S. FORD, Mgr. Box 4515 West Park

A. HERRMANN, Gen. Agent, 404-412 East 34th St., NEW YORK CITY

N. B.—Keep this for reference as this "ad" will not appear again.

Please mention the Exchange when writing.

Pansies

Stocky little plants of our best strain, $2.00 per 1000; transplanted plants that will be in bloom for Easter, $1.50 per 100; $12.50 per 1000.

DAISIES (Bellis) and FORGET-ME-NOTS, $2.00 per 1000.

CINERARIAS and PRIMULA Obconica, 4-in. pots, $5.00 per 100.

J. C. SCHMIDT
BRISTOL, PA.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

CINERARIA PLANTS

Large Stocky Plants, in 6-inch pots, in bud, will make fine 8-inch plants for Easter. **$25.00** per 100.

Also Fine Stocky Plants, in 4-inch pots, in bud, will make fine 6-inch plants, **$1.00** per doz. **$8.00** per 100.

ASPARAGUS Plumosus Nanus, 3-inch pot plants, very stocky, **$6.00** per 100.

DAISY PLANTS, 2½-in. pots in bud, **$5.00** per 100; 5-in. pots, in bud, **$2.40** per doz.; 6-in. pots in bud, **$4.00** per doz.; 8-in. pots, in bud, **$9.00** per doz.; 10-in. pots, in bud, **$2.00** per plant.

Also **Lilies, Azaleas, Tulips, Daffodils, Hyacinths, Spiraeas, etc.,** all in good shape for Easter sales

J. WM. COLFLESH, 58rd St. and Woodland Ave. Philadelphia, Pa.

Please mention the Exchange when writing.

Carnation Sangamo

SANGAMO

BRILLIANT PINK

Experienced Carnation growers, who have visited our place and have carefully watched Sangamo this season, claim it will produce at least twice as many blooms as any other variety grown to-day. It is not only the most *prolific* Carnation, but the calyx does not burst, and the stem is always long and stiff, therefore Sangamo increases your profits more than two-fold. We not only invite growers to visit our place to see for their own satisfaction, but we will pay your *railroad fare* from Chicago to our place and back again, if you will only come. It is not too late for Sangamo. Our best plants were propagated in March and April last year.

Strong, healthy, well-rooted cuttings ready.

$12.00 per 100, $100.00 per 1000

A. C. Brown SPRINGFIELD, ILL. **Chicago Carnation Co.** JOLIET, ILL.

Please mention the Exchange when writing.

The Best Rooted Carnation Cuttings

MONEY CAN BUY

Clean, Healthy Stock, Well Rooted.

	100	1000
CONQUEST	$12.00	$100.00
MARY TOLMAN	12.00	100.00
SANGAMO	12.00	100.00
WHITE PERFECTION	3.00	25.00
ENCHANTRESS	2.50	20.00
MAY DAY	6.00	50.00
DAYBREAK LAWSON	3.00	25.00
ROSE PINK ENCHANTRESS	3.00	25.00
WINONA	3.00	25.00
WINSOR	3.00	25.00
SPLENDOR	3.00	25.00
ALVINA	5.00	45.00
AFTERGLOW	3.00	25.00
LAWSON-ENCHANTRESS	3.00	25.00
O. P. BASSETT	6.00	50.00
VICTORY	3.00	25.00
ANDREW CARNEGIE	3.00	25.00
GOV. DENEEN	5.00	45.00
MRS. CHAS. KNOPF	6.00	50.00
WHITE ENCHANTRESS	April delivery 3.00	25.00
BEACON	April delivery 3.00	25.00

CHICAGO CARNATION CO. A. T. PYFER, Mgr. **Joliet, Ill.**

Please mention the Exchange when writing.

Rooted Carnation Cuttings

WHITE	100	1000
Alma Ward	$15.00	$120.00
Shasta	12.00	100.00
Georgia	6.00	50.00
Mrs. J. C. Vaughan	6.00	50.00
White Perfection	3.00	25.00
White Enchantress	3.00	25.00
Snow Flake	3.00	25.00
Lloyd	2.50	20.00
RED		
O. P. Bassett	6.00	50.00
Beacon	3.00	25.00
PLUM COLOR		
Gov. Dineen	6.00	50.00
CRIMSON		
Ruby	6.00	50.00
Wanoka	6.00	50.00

PINK	100	1000
Admiration	$12.00	$100.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Mary Tolman	12.00	100.00
May Day	6.00	50.00
Winsor	3.00	25.00
Afterglow	3.00	25.00
Winona	3.00	25.00
Enchantress	2.50	20.00
Rose Pk. Enchantress	2.50	20.00
VARIEGATED		
Conquest	12.00	100.00
Bay State	6.00	50.00
Apple Blossom	6.00	50.00
Mrs. M. A. Patten	2.50	20.00

Strong, clean cuttings—Ready for shipment now.

S. J. REUTER & SON, Inc., Westerly, R. I.

Please mention the Exchange when writing.

Carnations

April delivery, a few ready for March.

White Perfection, Rose-Pink Enchantress, and Victory at $15.00 per 1000.

White Enchantress, $17.50 per 1000. Lawson Enchantress, Winona and Beacon, at $20.00 per 1000.

O. P. Bassett and Alvina at $30.00 per 1000.

Feon, Lawson and Winsor at $10.00 per 1000.

Geraniums

Ready March 21st, and later.

Nutt at $10.00 per 1000. Ricard and Poitevine at $12.50 per 1000.

ASPARAGUS Plumosus, $25.00 per 1000.

ASPARAGUS Sprengeri at $25.00 per 1000.

Sprengeri "Special" ready for 4-in. pots at $50.00 per 1000, sample for 10c.

ALBERT M. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

Rooted Cuttings

	Per 100	1000
Perfection	$2.00	$17.50
Georgia	5.00	
Enchantress	2.00	15.00
Rose Enchantress	2.00	12.50
Winona	3.00	25.00
Afterglow	2.00	15.00
Winsor	2.00	12.50
Harry Fenn	2.00	12.50
Beacon	2.50	20.00

Boston Ferns, from bench, $2.50 per 100, $20.00 per 1000; ready to plant.

QUIDNICK GREENHOUSES

J. H. Cushing, Prop., Quidnick, Anthony P. O. R. I.

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings. Clean, healthy stock.	100	1000
Enchantress	$2.50	$20.00
Pure White Enchantress	3.00	25.00
Rose Pink Enchantress	2.75	22.50
White Perfection	2.75	22.50
Winona	3.00	25.00
Beacon	3.50	30.00
Winsor	2.50	20.00
Harlowarden	2.00	18.00

Cash with order.

SMITH & GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

CARNATION CUTTINGS

My stock has not been allowed to throw over three blooms per plant and is, therefore, very vigorous, producing cuttings strong and full of life. Cuttings from such stock will produce more and better flowers next Winter than the ordinary grade from stock that has been flowered to death.

	100	1000
Harlowarden	$2.00	$18.00
Enchantress	2.50	20.00
Rose Pink Enchantress	2.75	22.50
White Perfection	2.75	22.50
Pure White Enchantress	3.00	25.00
Winona	3.00	25.00
Beacon	3.50	30.00

250 at 1000 rate.

A. A. GANNETT, GENEVA, N. Y.

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, $12.00 per 100, $100.00 per 1000.

Alma Ward, $15.00 per 100, $125.00 per 1000.

Mrs. J. C. Vaughan, Bay State, Georgia and O. P. Bassett, $6.00 per 100, $50.00 per 1000.

White Enchantress, Beacon, Robert Craig, Afterglow, Rose Pink, Enchantress and Harlowarden, $3.50 per 100, $30.00 per 1000.

New crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons, at 25c. and $1.00 per package.

CHAS. H. TOTTY

MADISON, N. J.

Please mention the Exchange when writing.

The American Carnation Price $3.50

A. T. DeLa Mare Ptg. & Pub. Co., 2 Duane St., New York.

Bridgeport, Conn.

Henry, son of Julius Reck, has taken a position with Wm. Henry Maule of Philadelphia, seedsman; his intention is to work his way up and also to become acquainted with the trade there. There are four more young florists coming along from the Brooklawn conservatories of Mr. Reck.

Providence, R. I.

Providence has a population of over 200,000, and is the capital of Rhode Island. Business has been fair since the Xmas holidays and up to the beginning of Lent, at which time trade fell off slightly but has picked up considerably since. There are about 60 florists within a few miles of Providence, and nearly all stock handled is grown here.

Matthew Macnair, 322 Weybosset st., has an attractively decorated store, well supplied with mirrors and convenient shelves for display. An octagon ice box with all glass sides, located in the center of the store, is one of the novelties in use. Another useful labor-saving device is the Telautograph outfit used for sending orders to their make-up room in another part of the building. This device has been here for the past 5 years and has proven its value more than once since installed.

Edmund G. Brooke, in charge of the store of T. J. Johnston & Co., 171 Weybosset st., reports good trade, especially in funeral work. Jos. Reynolds of this store has been in the hospital since about Thanksgiving time with a badly fractured left wrist, upon which complications set in, and up to the present time he has been under doctors' care at the hospital. The window display here is one which attracts considerable attention.

E. E. King of Attleboro reports good business prospects and has enjoyed nice business during the Winter. Mr. King has 15,000 sq. ft. of glass devoted to Carnations, bulbous and bedding stock. Cigars were passed around Saturday, Feb. 26, by Arthur Battey, foreman for Mr. King, who had decided that two can live as one.

Johnston Bros, 38 Dorrance st., have an excellent location near the City Hall and close to the railroad station. Business here has been excellent. Mr. Villar, formerly with Math. Aitken in the Worcester store, has returned to Provience and is connected with this store.

J. F. Wood, 167 Westminster st., has samples of design work made up in artificial flowers and hung about the store, so that he can point out to prospective buyers of designs how their pieces will look. Mr. Wood has been in his present location about 18 months and reports good trade.

Miss M. F. Pollock has one greenhouse and store at No. 8 Franklin st. The glass is now being used as a conservatory. Trade here is very good considering the Lenten season. Miss Pollock has been for eight years in her present location, coming from another part of town where she was for several years.

T. O'Connor of Blackstone blvd. has a most attractive window and store at 272 Westminster st. The display this week is made up of gold baskets, red flowers and greens, making a splendid contrast rich in color.

C. H. Hunt, 127 Burnside st., has some 6000 feet of glass devoted to Carnations, bedding and bulbous stock, and finds his houses inadequate to produce all he can sell. He is planning to erect more houses.

J. Kopelman & Co., 21 Washington st., has a general line of florists' supplies and cut flowers. Some extra fine Callas of unusual size were brought in by Wm. N. Crompton of E. Greenwich. Mr. Kopelman has some 16,000 feet of glass and is building more houses, which, when finished, will make a range of some 40,000 sq. ft. which will be devoted to mixed stock for cut flowers, etc. The glass is located in Oaklawn, Cranston, R. I.

Wm. B. Hazard, 178 Mathewson st., has some 20,000 ft. of glass at 524 Academy st., devoted to general lines. He reports the best crop of Freesias this year that he ever had in the 26 years he has been in the trade. He also forces large quantities of Tomatoes. Business is picking up very fast in his new location, he moving here from a location on Westminster st. about two months ago.

O. H. Williams & Sons Co. have about 50,000 feet of glass on Hartford ave. devoted to growing a general line for their retail store at 147 Mathewson st. This store is finished in birch bark, in rustic effect, and presents a very neat appearance. Trade here is very grisk especially so in funeral work.

NEW CHRYSANTHEMUM

Mrs. Jane Cockburn

EARLY PINK

Ready for February and March delivery. Blooms first week in October.
Beautiful mauve pink. Good keeper and shipper.

$6.00 per 100, $50.00 per 1000. Five hundred at one thousand rate. FIRST COME, FIRST SERVED.

SAMUEL COCKBURN & SONS
233rd St. and Verio Ave., Woodlawn, - - NEW YORK CITY

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Polly Rose, Glory of the Pacific, Halliday, White and Yellow Bonnaffon, Robinson, Early Snow, Jennie Nonin.
Rooted Cuttings, $1.00 per 100; 2¼-in. pots, $2.00 per 100; $18.00 per 1000.
Bedding stock ready May 1.

E. L. RILEY, Trenton, N. J.
R. F. D. No. 2.

Please mention the Exchange when writing

CHRYSANTHEMUMS

Rooted Cuttings For Sale
$10.00 per 1000.

HALLIDAY, ENGUEHARD, BONNAFFON, IVORY, POLLY ROSE, PACIFIC, SHAW, ADELLA, ADELIA, OCTOBER SUNSHINE, MONROVIA, NONIN, POEHLMANN

Cash with order.

JACOB KOL, East Nutley, N. J.

Please mention the Exchange when writing.

White Sport of Helen Frick

CHRYSANTHEMUM

STOCK PLANTS, $2.00 & $3.00 perozd.
CARNATION ALVINA, $5.00 per 100, $45.00 per 1000.
DELIVERY AT ONCE

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing

Scholzeli Fern

The best payer and most prolific Fern to date. 2¼-in. $7.00 per 100.

	Per 100
Superbissima, 2¼-in.	$7.00
Whitmani, 2¼-in.	5.00
Scottii, 2¼-in.	5.00

CHAS. H. CAMPBELL
3601 Germantown Avenue
PHILADELPHIA, PA.

Please mention the Exchange when writing

ALL NURSERYMEN
SEEDSMEN and FLORISTS

Wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

Editors of the "H. A."
Chilwell Nurseries, - Lowdham, Notts.
European Agents for
THE AMERICAN CARNATION

Please mention the Exchange when writing.

Chrysanthemums

All the Standard Varieties
POMPONS and SINGLES
$2.00 per 100, $15.00 per 1000
Stock guaranteed true to name

GEO. B. HART
24 Stone St., ROCHESTER, N. Y.

Please mention the Exchange when writing.

ORCHIDS

We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawrenceana, Gaskelliana, Dowiana and Percivaliana. Write to-day.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

Please mention the Exchange when writing.

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants; also importations coming, which we offer at advantageous prices.

ORDONEZ BROS, 41 W. 28th St. New York, also Madison, N. J.

Please mention the Exchange when writing.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, ST. ALBANS, ENGLAND
and 235 Broadway, Room 1, New York City

Please mention the Exchange when writing.

ORCHIDS

CATTLEYA Warneri, C. Harrisoniae, C. Gaskelliana, C. Olgas, Hardyana type; DENDROBIUM Phalenopsis, Schroederi; ODONTOGLOSSUM Lateo-purpureum, Sceptrum.

LAGER & HURRELL, Summit, N. J.

Please mention the Exchange when writing.

THE BEST WAY
to collect an account is to place it with the

National Florists' Board of Trade

56 Pine St., NEW YORK

WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,460 losses amounting to a total of $164,000.00.

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

Your Money is well spent when you advertise in
THE FLORISTS' EXCHANGE

Announcement

To Our Friends and Patrons:

It has been brought to our attention that certain unscrupulous fellows, representing a **certain concern**, are spreading false and malicious reports to the effect that we are practically out of business, that we no longer travel, that we are on our "last legs," and that as a business concern, we are about to give up "our ghost."

We wish to announce **most emphatically** that all these rumors are absolutely false, that we are in the business to stay, that our progress, since the day we started up to the present time, has surpassed our own expectations, that the fellows using such contemptible means, in order "to catch" a few orders, are but short-sighted pygmies, unable to realize the ultimate harm they are causing to themselves and to their own interests.

Verily—"One cannot fool the people all the time."

Nor do we need to deny the malicious reports concerning our credit and business standing. Our creditors both here and abroad will bear us out when we say that our credit is second to none on this or on the European Continent.

We brand these rumors as deliberate and malicious falsehoods, calculated to undermine our business interests. Men employing such means are certainly unworthy of the name "MAN."

Respectfully yours,

SKIDELSKY & IRWIN CO.
1215 Betz Building PHILADELPHIA, PA.

Please mention the Exchange when writing.

SEND FOR SAMPLES OF OUR

"Cultural Directions"

Specially prepared for the use of your customers. These Leaflets are just the neat little factor to promote business and establish better relations between the dealer and his customer. They have been written by experts; they are fuller, and contain more detailed directions than it is possible to embrace in a catalogue. Hand one out with each sale. It will save your time, quicken and increase business, and aid you please your customer.

The following "Culturals" are now ready:

Amaryllis (Hippeastrum)
Annuals from Seed
Asparagus
Asters
Begonia, Tuberous
Bulbs
Cabbage and Cauliflower
Canna
Carnations, Monthly
Cauliflower, Radish and Beans under Glass
Celery
Chinese Sacred Lily
Chrysanthemum
Climbing Plants, Hardy
Coleus, and other bedders
Crocus, Snowdrop and Scilla Sibirica
Cucumbers under Glass
Dahlia
Deciduous Trees and Shrubs
Evergreen Trees and Shrubs
Ferns
Freesia
Geranium
Gladiolus
Gloxinia
Hot Beds and Frames
House Plants, Care of
Hyacinths, Dutch and Roman
Iris and Triloma
Lawns
Lettuce in the Open and under Glass
Lily Culture for House and Garden
Melons under Glass and in the Open
Mushroom Culture
Onions
Palms, House Culture of
Pansy
Peonies
Perennials, Hardy
Primula
Rhubarb and Asparagus under Glass
Rose Culture
Small Fruits
Standard Fruits
Strawberries under Glass
Sweet Pea, The
Tomatoes, Outdoors
Tomatoes under Glass
Tuberose
Tulip
Vegetables
Violets
Water Garden, How to Make and Manage a

Your selection of not less than 100 of a kind, delivered carriage paid, printed on white paper, clear type, size 6x9½ inches, 500 for $1.50; 1000 for $2.50.

Sufficient space will be left at the bottom of each leaflet for your name, address, etc. If you desire this imprint (3 lines) add 50 cents for 500 copies, 75 cents for 1000. Special quotations on quantities of 2500 or over.

A. T. De La Mare Ptg. and Pub. Co. Ltd.
Pubs. The Florists' Exchange. P. O. Box 1697, NEW YORK

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
2 to 8 DUANE ST., NEW YORK

Please mention the Exchange when writing.

Plant Culture

By Geo. W. Oliver, Propagator to the Bureau of Plant Industry, U. S. Department of Agriculture.

Printed on enamelled paper and illustrated with one hundred plates and engravings. Strongly bound, 12 mo., cloth. By mail postpaid, $1.50.

Every florist, nurseryman and grower will find Plant Culture the most useful assistant in his office. Order a copy of the book now, or send for free sample pages.

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NOS. 2 TO 8 DUANE ST., N. Y.

The Book of WATER GARDENING

By Peter Bisset
Price, postpaid, $2.50

A. T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

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WHOLESALE FLORISTS ☞ Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial

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GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager — Consignments Solicited

30 West 28th Street, Telephone 6237 Madison Square NEW YORK

Please mention the Exchange when writing.

HENSHAW & FENRICH

WHOLESALE FLORISTS

Roses, Carnations, Valley and Bulbous Stock of the best quality

VIOLETS

for out of town shipments in any quantity

51 West 28th Street, New York

Phones 325-5582-5583 Madison Sq.

Please mention the Exchange when writing.

A REVIEW OF THE MARKET

Amer. Beauty — Bride — Killarney — Carnation — Violets — Chrysan. — Orchids — Lilies

NEW YORK, March 2.—Conditions are worse than a week ago, and the market is experiencing one of the hardest slumps in years. American Beauty Roses move moderately well, but the demand is so small that, to use the expression of one wholesaler, "there is nothing doing." All other Roses are very plentiful and thousands of them are left over from day to day. Prices are out of the question, and the sales merely rest on the buyer's willingness to carry away the stock.

Carnations seem to suffer the worst, as it is simply impossible to clean out at any figure; 50c. per 100 is a common price, while whole shipments of day old stock are cleaned out for less.

Orchids "hang fire," no demand for anything in this line being noticeable; and while a few extra quality Cattleyas are sold for 50c. each the majority of sales are made at figures between 25c. and 35c. each.

Lilies, Callas, and Lily of the Valley also feel the slump, and but for sales made to speculators much material would ere now have found its way to the barrel. Tulips and Daffodils of every variety continue to pour in, in unlimited quantities, and sales on them are made at $1 to $1.50 per 100 in small lots. Violets are handled mostly by the street men, who are not backward in offering 15c. per 100, at which price the bulk of stock is moved. This applies to day old flowers; fresh shipments realize 25c. to 40c. per 100. Asparagus plumosus moves moderately well.

PHILADELPHIA, March 1.—Conditions have not changed since last week, and it is a matter of much concern with all connected with the business as to the outcome. Flowers of every variety are very plentiful, and prices are hard to maintain. American Beauty Roses are somewhat scarce, but the demand is below normal. All other Roses are hard to move; shorter grades sell more readily but stock has accumulated to such an extent that clearances are impossible.

Carnations are a veritable glut, and for the very best $2 is considered top price. Many thousands are being disposed of at 50c. to 75c. per 100, to the fakirs, who retail them at 15c. per doz.

Every other cut flower is under the same ban, especially bulbous stock, which is in the market in such quantity that much of it spoils before selling. Daffodils are arriving daily from the South, the supply alone creating a glut, as it is impossible to clean out on home grown stock. Lily of the Valley, Violets, and Sweet Peas, meet the same fate, and have succumbed to the general local conditions. The continued warm weather, trolley men's strike, and Lenten season are some of the factors, for which no remedy is apparent.

BOSTON, March 1.—In the early part of the week the market was very quiet. Saturday saw most flowers pretty well cleaned up, considering that this is Lenten season. Prices have held fairly well, but on the whole the market is not satisfactory and prices now show a downward trend. Trade in Roses is good. Richmond, Killarneys, and My Maryland bring good prices. There is a limited sale for Bride and Bridesmaid. Good American Beauty brings from $3 to $6 per doz.

Carnation prices are weakening and flowers are quite plentiful. Prices range from $2 to $4 per 100.

Violets are very plentiful; prices are from $2 to $4 per 1000. Sweet Peas are abundant, stock with long stems bringing fairly good prices. Bulbous material is in over supply and can only be disposed of in large quantities. Lilies are plentiful and prices are from $8 to $12 per 100. Callas very slow. Bunches of English Primroses sell well. Wallflowers are more plentiful but have a good sale. Snapdragons are selling well; in fact odd things bring good prices—people are fond of novelties. Acacia pubescens also moves well. Lily of the Valley is in good demand and prices are from $2 to $4 per 100. Gardenias are selling slowly. Cattleyas are in good demand, and bring from $4 to $6 per dozen. There is much demand for Dendrobiums. Adiantum is in good demand and prices hold well. Asparagus Sprengeri and plumosus are still scarce. Pansies are plentiful, as also are Calendulas. There is some good Mignonette and prices are fairly good. Forget-me-nots in the higher grades sell well.

R. C.

CHICAGO, March 1.—At this writing the market is very quiet, and prices have taken a tumble in nearly all lines, as there is a much increased supply in everything, with an overproduction of bulbous stock. If the present weather continues the situation will be relieved, as the street venders and peddlers, who have had to keep under cover the past few months will again begin to consume a large portion of the surplus stock. American Beauty Roses are fine and the price is somewhat reduced, as fine flowers with long stems are bringing only $3 per dozen. Other Roses are moving off slowly at less prices than during the past week. Carnations, with the exception of red and white sorts, are lagging; the other colored varieties are obtainable, fine stock, at $1.50 and $2 per 100, with red and white commanding $2 to $3.

Lilies and Callas hold their own, and for Lent are holding a fair price. Callas, extra, bring $10 to $12 per 100; at $12 they must be extra fancy. Harrisii Lilies stand at $12. Sweet Peas have at last become a drug on the market, and to command $1 per 100 have to be especially good. Violets go at almost any price; even at this it is hard to dispose of them. fine quality in singles bringing 40c. per 100, and doubles 40c. to 60c.

Orchids, while not in such demand as in the past, move off nicely, as there is not nearly so much stock. Prices are not so high as could be wished, the best Cattleyas selling at 50c. each. There are plenty of Gardenias and fancy flowers to satisfy all demands. Pansies are coming in in excellent size and colors; the demand for them though is very slight. Mignonette, Candytuft, Freesias, Jonquils, Snapdragons, Daisies and other miscellaneous stock are to be had in quantities, but move very slowly. Green stock is in good shape and in fair demand, at usual prices. These goods vary but little at any season. Ferns seem to be somewhat improved in quality.

INDIANAPOLIS, Feb., 28.—Steady Winter temperatures have brought with them a correspondingly brisk demand for flowers to grace the homes of the many unable to be about. Counter trade led throughout the past week, but funeral work was maintained in liberal quantities and a vast amount of stock was taken from the market. Plant decorations are still numerous but with the general complaint heard in regard to the price of foliage plants this line of the trade is not remunerative. The fine selection and quality of cut flowers make the salesman's duties far more pleasant at present, for only an exceptional purchaser can fail to be pleased with the beautiful stocks which practically sell themselves.

Bulbous flowers are as profuse as ever, and the prices vary but little from other years. Jonquils, Tulips, Lily of the Valley, Paperwhite Narcissus and Roman Hyacinths sell at $3.50 to $4 per 100. Mignonette, long spikes, is offered at the same figure. Forget-me-not is especially good at $2 per 100.

The home supply of Roses is sufficient in quality but lacks some in variety. Select Killarneys, Richmond, and My Maryland wholesale at $7 to $8 per 100. The best Bridesmaid and Bride bring about the same figure, except in the shorter grades which are more reasonable. American Beauty is in good condition at $5 to $50 per 100.

Carnations are being marketed in heavy quantities, and prices from a distance indicate a break. The local supply is not great enough to cause much of a decrease at this period. $3 to $4 per 100 is still being received for the choice ones. 75c. per dozen is the usual store price in this locality.

Harrisii Lilies and Callas have been in demand all the time, and are as good as the money at $10 to $12.50 per 100. Single Violets grow in favor as Spring approaches at 50c. per 100. Eastern doubles are received, often, in indifferent shape at 50c. to 75c. per 100.

The array of blooming plants promotes sales. This is perhaps not as profitable as the cut flower end of the business, but the potted plants certainly serve as a stimulus for the other lines. The green goods supply has been heavily drawn on for some time and at the present writing it is difficult to obtain either good Asparagus or Adiantum. Smilax is fairly good at $12.50 per 100. Cold storage Ferns are generally deprived of five per cent. in number before they are fit for the counter.

I. B.

ST. LOUIS, Feb. 28.—Trade last week was reported very good. It is said throughout the city that Lent has made little difference so far; the commission men, too, say business is most satisfactory, only that stock in some things has been too plentiful, in fact, a glut, and that was the reason so much stock was left over and prices so very low all of last week.

Roses have not been any too plentiful but more are coming in of late; the best sell for $8 per 100 and down as low as $2 for shorts. Ammann's stock is among the best; his Killarney, both white and pink, and Ivory are very fine and it looks as though he will be in full crop for Easter. Long, fancy American Beauty Roses are not too many at $5 per doz.; plenty of shorts can be had at from $4 to $8 per 100.

Violets are very cheap. Best Californias sold at 20c. per 100 and $1.50 in 1000 lots; these have been a glut since Valentine's Day and every grower in Kirkwood is sending in a full cut each morning. Of Carnations, too, there are more in the market than any of the commission men can dispose of; prices range from $1 to $2 per 100 for the best. The quality is of the best and some extra fine Enchantress, Nelson Fisher, White Perfection and Rose Pink Enchantress are seen daily, also some fine Beacons.

Callas, Harrisii Lilies, Freesias, Lily of the Valley and Jonquils are in plenty. Lilies sell at from $10 to $12.50 per 100. Sweet Peas, too, are a glut and sell for 10c. to 50c. per 100; white and lavender sell best of all. The market is well supplied with greens of all kinds.

ST. PATRICK.

Hartford, Conn.

Business continues good, the Lenten season having but little effect in decreasing the demand for flowers. A large amount of funeral work has been done the past week.

There is a good supply of all kinds of flowers; perhaps the most called for now are the Spring flowers, such as single and double Daffodils, Tulips, Freesias, Jonquils, Sweet Peas, etc. The single Daffodils are much more in demand than the double. Violets are selling unusually well and are fine in quality. Azalea plants at $2 and $3 each are also selling well.

John Coombs has been confined to the house, most of the time in bed, with rheumatism, for the past three weeks, but is now on the way to recovery.

A long distance telephone has been installed at Leonard Cousins' Jr.'s establishment, Concord Junction, Mass., the number being 82 Concord.

Orders for Shamrocks are coming in nicely, the demand for this popular little plants showing an increase each year. Many thousands are grown here and are in fine shape for St. Patrick's Day.

J. F. COOMBS.

Calendars Received

From Beyler, the Florist, Shillington, Pa.—A beautifully executed litho of young lady and Roses, with calendar attached.

For N. Y. City Notes, see page 414.

SPRING TRADE EDITION

Will be issued

MARCH 19

J. K. ALLEN

WHOLESALE COMMISSION FLORIST

106 W. 28th St., New York

I have room to handle more consignments to advantage, of **Roses, Carnations, Violets, Valley, Tulips** and other stock. Highest prices. Prompt returns. Give me a trial. Your correspondence appreciated.

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GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
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Violets, Roses, Carnations, Orchids
Established 1888
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All choice Cut-Flowers in season. Send for quotations.
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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
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PHILIP F. KESSLER Commission Dealer in Cut Flowers
Open from 5. a. m. to 6 p. m. Sunday till 10 a. m.
55 & 57 W. 26th St., New York City
FISCHER'S PURITY **FREESIAS** Grown by Mathews of Great Neck, L. I.
Tel. 5223 and 2921 Mad. Sq. Res., 345 J. Newtown. FINEST LILIES IN THE MARKET EVERY DAY IN THE YEAR

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, March 2d, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—		**CARNATIONS—**	
A. Beauty fancy—special	25.00 to 50.00	Inferior grades, all colors	.35 to .50
" extra	15.00 to 25.00	Standard Varieties: White	.75 to 1.00
" No. 1	8.00 to 15.00	Standard Varieties: Pinks	.75 to 1.00
" No. 2	5.00 to 8.00	Standard Varieties: Red	.75 to 1.00
" No. 3	1.00 to 5.00	Standard Varieties: Yel. & Var.	.75 to 1.00
Killarney	2.00 to 8.00	*Fancy (* The highest grades of Sta'd varieties): White	1.00 to 2.00
White Killarney	2.00 to 8.00	*Fancy: Pinks	1.00 to 2.00
My Maryland	2.00 to 8.00	*Fancy: Red	1.00 to 2.00
Richmond	2.00 to 8.00	*Fancy: Yel. & Var.	1.00 to 2.00
Mme. Abel Chatenay	2.00 to 8.00	Novelties	2.00 to 2.50
Golden Gate	2.00 to 8.00	Gardenias, per doz.	.50 to 2.00
Bride, Maid, fancy—spec.	6.00 to 8.00	Lilac, per bunch	.25 to .50
" extra	4.00 to 6.00	Lilies, Harrisii and Longi.	6.00 to 10.00
" No. 1	3.00 to 5.00	Lily of the Valley	.75 to 2.50
" No. 2	1.00 to 3.00	Mignonette, per doz.	.40 to .75
Adiantum	1.00 to 1.50	Narcissus	1.00 to 2.00
Croweanum	.... to 1.50	Orchids, Cattleyas	25.00 to 40.00
Antirrhinum (per bunch)	.25 to .50	Cypripediums	8.00 to 12.00
Asparagus, cut strings	25.00 to 40.00	Dendrobium Formosum	25.00 to 40.00
Plumosus, bunches	15.00 to 30.00	Pansies, per doz. bunches.	.25 to .50
Sprengeri, bunches	15.00 to 30.00	Poinsettias per doz.	.... to ....
Bonvardia	2.00 to 3.00	Roman Hyacinths	1.00 to 2.00
Callas	6.00 to 10.00	Smilax (per doz. strings)	1.00 to 1.50
Daffodils	.75 to 2.00	Stevia, per bunch	.... to ....
Daisies	.75 to 1.00	Sweet Peas, per doz. bun.	.35 to .75
Ferns, per 1000	.75 to 2.00	Tulips	.50 to 2.00
	.... to	Violets, single	.15 to .30
	.... to	" double	.15 to .35
			.... to ....

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ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1998 Madison Square JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
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TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

From Now On
UNTIL
EASTER
180,000 LILIES
Embracing 15,000 plants averaging 6 flowers to the plant, and 15,000 cut stems bearing the same average
All Fine Stock
Everything in Bulbous Flowers, Daffodils, Hyacinths, Tulips, Etc.
The Finest Carnations
ROSES
My Maryland
Richmond and
Killarney ∴
All Flowers of Superior Quality for Shipping and Local Trade.
No Pickled Stock.
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ESTABLISHED 1891
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Boston

George A. Perkins, representing Brown Brothers Co., Rochester, N. Y., visited us a few days ago. He is soliciting orders for their blue Rambler Rose (?) and other nursery stock.

Last week William H. Elliott addressed the young men in the floricultural and horticultural classes at Amherst Agricultural College. His subject was "Rose Growing as a Business." He speaks very highly of the interest the young men are taking in the lectures which are given by practical plant and flower growers. These lectures are supplemented by visits to the largest and best conducted establishments in New England. There is no reason why these young men from the agricultural colleges should not be good, practical men as well as theoretical.

While in the western part of this State Mr. Elliott visited H. W. Field's greenhouses at Northampton, and he has no hesitation in saying that Mr. Field has the best houses of Carnations and Violets that he has ever seen anywhere, and his Roses are also well done, although not quite as good as the Carnations and Violets. This is quite a compliment to Mr. Field as there are few large places in this country that Mr. Elliott has not seen. He also visited the Montgomery Co.'s greenhouses at Hadley, Mass. The work on the new houses is getting along quite fast, considering the unfavorable weather the builders have had to contend with. One house is almost ready for glazing.

Quite a number of Mr. Elliott's employees at Madbury, N. H. have been on the sick list this Winter. Mr. Armstrong, his foreman, has been sick for some time. Mr. Elliott is sorry he could not attend the banquet given John W. Duncan at the Parker House. He had to attend the funeral of Mr. Foss, the caretaker of his place at Madbury, N. H. Besides growing Roses at Madbury Mr. Elliott has quite a large dairy farm as a side issue. He has 55 head of stock in which he takes a great deal of pride, and his ambition now is to have one of the most uptodate dairy farms in New England.

John Van Leween, foreman at the R. & J. Farquhar & Co.'s nurseries at Roslindale and Dedham has just returned from an extensive business and pleasure trip in Europe. He visited Oudenbosch Nurseries in Holland, which are famed for their fine collections of young trees and shrubbery. He was also at Boskoop. Belgium was also visited. While in England he visited Veitch's nurseries at Combwood and saw many of the Chinese plants which were collected by Mr. E. H. Wilson. He also visited Fromow & Sons' Nurseries and Waterer's at Woking, which is so famous for its Rhododendrons. He went as far north as Aberdeen, Scotland, and visited James Croker & Son, who are noted for their collection of Roses.

Robert Montgomery of Natick is shipping to the Co-operative Flower Market No. 2, on Park st., some excellent Richmond, Killarney and My Maryland Roses.

Lewis E. Small of Tewksbury is the largest grower in this vicinity of Dimorphotheca aurantiaca. It is quite common in the retail florists' windows and a large vase of it at the Mass. Hort. Society exhibition was quite an attraction. The color is dark orange yellow and is the best in this class of flowers. We were pleased to notice that the flowers kept open until about 8 p.m. outdoors they close up before that time.

The Co-operative Flower Market No. 2 has disposed of the lease of Music Hall Market on very satisfactory terms.

The yellow Marguerites which are of such fine quality and which are conspicuous in the retail florists' windows are grown by Edward J. Ahern of Wellesley.

Bert Peirce is enjoying himself immensely at Savannah, Ga., where he is staying at the Hotel De Soto.

Doyle has some splendidly grown plants of Adiantum Farleyense in his Boylston st. store window. They are grown at his greenhouses at Cambridge. They sell well and bring handsome prices. Attention is being given to some fine specimens of Kentia Belmoreana and Forsteriana which they expect to exhibit at the National Show in 1910.

John Russell of W. W. Rawson & Co., who was in the hospital, is at home now recuperating, and is getting along nicely.

Rawson's revised edition of "Success in Market Gardening," which is being published by Doubleday, Page & Co., will be out on April 15.

The newly started Holland-American steamship line between Rotterdam and Boston gives the seedsmen and plant importers an equal chance with the New York importing houses for quick service. At present there is only one steamer in every two weeks, but just as soon as the business increases there will be a weekly service.

Mr. Irish, representing the Braslan Seed Co., San José, Cal., has been in town for three days, visiting the seed houses.

Edward MacMulkin visited New York and New Jersey growers last week and is very eulogistic of what he saw there. He speaks very highly of the Julius Roehrs Co.'s establishment. He had the decorations for the Bliss wedding last week. It was one of the most lavish decorations seen in the Back Bay district for some time past. He used over 5000 Killarney Roses.

At the Gardeners and Florists' Club on March 22 the speaker of the evening will be A. E. Thatcher of the Arnold Arboretum. His subject will be "New and Desirable Hardy Herbaceous Perennials." Mr. Thatcher is an expert on herbaceous plants and has had training under one of the best posted men in England on hardy plants.

H. R. Comley, the retail florist, had some choice and rare things in his window this week, including Odontoglossums, Dendrobiums, Cattleyas, Phalænopsis, Dimorphotheca and Amaryllis.

The decorations in MacMulkin's window this week were of a red hue. He used Anthurium Scherzerianum and Carnation Beacon, with a lot of ribbon. It was very attractive.

We are pleased to be able to report that Patrick Welch is back at his desk again after a bad attack of grippe. He is the best posted man on market conditions in Boston.

Welch Bros. are sole agents for Mexican Ivy (Vancouveria hexandra) and they think very highly of it. It is new to Boston and comes to Welch Bros. from California. It has splendid lasting qualities and will largely take the place of Adiantum when it is better known. Their sprays of Mahonia from the South are the best we have seen for some time and the green color is excellent. Welch Bros. have a good supply of the rare Acacia pubescens in sprays; it is grown by Joseph Fuller of Leominster, Mass.

We have had many visitors in town this week, among them William Twate, New York, representing M. Van Waveren, Holland; Mr. Van Zaanten, Holland; J. J. Greeleman, Jr., Holland; C. Van Zyverden, Holland; Ralph M. Ward, New York; R. T. Brown, Cottage Gardens, Queens, N. Y.; George W. Strange, representing Lager & Hurrell, Summit, N. J.; Edward Roehrs, Rutherford, N. J.; Thomas Knight, New York; Barnard Morris, John H. Stalford and William Miller, Bar Harbor, Me. A. C. Zvolanek, Bound Brook, N. J., was also a visitor.

Carnation Wodenethe from Winthrop Sargent's, Fishkill-on-the-Hudson, caused quite a sensation in Boston, and was highly spoken of. It won a silver medal at the exhibition.

March has come in like a lamb; we hope it wont go out like a lion.

Shamrocks are being pushed along for St. Patrick's Day. Quite a number of the florists are growing them this year. We saw a nice lot of them last week at W. W. Edgar Co.'s, Waverley.

Quite a large number of John W. Duncan's friends went to the South station last Thursday to see him off to Spokane. Mrs. Duncan is in Connecticut with friends and is going to Spokane about the end of April. R. C.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Mar. 1, 1910	Pittsburg Feb. 28, 1910	NAMES AND VARIETIES	Boston Mar. 1, 1910	Detroit Feb. 28, 1910	Cincinnati Mar. 1, 1910
25.00 to 85.00	35.00 to 40.00	Roses—A. Beauty, fancy—special	40.00 to 50.00	20.00 to 25.00	..... to 30.00
.... to 25.00	20.00 to 30.00	" extra	20.00 to 30.00	15.00 to 20.00	..... to .....
15.00 to 18.00	10.00 to 15.00	" No. 1	10.00 to 15.00	12.00 to 15.00	..... to .....
4.00 to 8.00	4.00 to 8.00	" No. 2	2.00 to 8.00	4.00 to 10.00	..... to 4.00
..... to	6.00 to 15.00	Killarney	8.00 to 12.00	..... to	6.00 to 10.00
..... to	6.00 to 15.00	White Killarney	8.00 to 12.00	..... to	6.00 to 10.00
..... to	6.00 to 8.00	My Maryland	8.00 to 12.00	4.00 to 8.00	6.00 to 12.00
4.00 to 8.00	6.00 to 15.00	Richmond	8.00 to 12.00	4.00 to 10.00	8.00 to 10.00
4.00 to 6.00	6.00 to 10.00	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
4.00 to 8.00	..... to	K. A. Victoria	..... to	4.00 to 8.00	..... to .....
..... to 8.00	..... to 12.00	Bride, Maid, fancy—special	5.00 to 8.00	6.00 to 8.00	6.00 to 10.00
..... to 6.00	6.00 to 10.00	" extra	2.00 to 4.00	4.00 to 6.00	..... to .....
..... to 4.00	6.00 to 8.00	" No. 1	..... to	3.00 to 4.00	..... to .....
..... to 2.00	..... to 4.00	" No. 2	..... to	..... to	..... to .....
..... to 1.00	1.00 to 1.25	Adiantum	1.00 to 1.50	.75 to 1.00	..... to .....
..... to	..... to	Antirrhinum, (per bunch)	..... to	..... to	..... to .....
..... to 30.00	25.00 to 50.00	Asparagus, Plumosus, bunches	..... to 50.00	30.00 to 50.00	..... to 25.00
..... to 30.00	20.00 to 40.00	" Sprengeri, bunches	..... to 50.00	30.00 to 50.00	..... to .....
..... to	..... to	Bouvardia	..... to	..... to	..... to .....
..... to 12.50	..... to 12.00	Callas	8.00 to 10.00	..... to 15.00	..... to 10.00
..... to	..... to	Chrysanthemums	..... to	..... to	..... to .....
..... to	..... to 1.00	Carnations—Inferior grades, all colors	1.00 to 1.50	..... to	1.00 to 3.00
..... to 2.00	..... to 1.50	Standard Varieties: White	..... to	1.00 to 2.00	..... to .....
..... to 2.00	..... to 1.50	Standard Varieties: Pink	1.50 to 3.00	1.00 to 2.00	..... to .....
..... to 2.00	..... to 1.50	Standard Varieties: Red	1.50 to 3.00	1.00 to 2.00	..... to .....
..... to 2.00	..... to 2.00	Standard Varieties: Yellow and var.	..... to	..... to	..... to .....
..... to 3.00	..... to 2.00	*Fancy (*The highest grades of standard vars.): White	3.00 to 4.00	2.00 to 3.00	..... to .....
..... to 3.00	..... to 2.00	*Fancy: Pink	3.00 to 4.00	2.00 to 3.00	..... to .....
..... to 3.00	..... to 2.00	*Fancy: Red	3.00 to 4.00	2.00 to 3.00	..... to .....
..... to 3.00	..... to 2.00	*Fancy: Yellow and var.	..... to	..... to	..... to .....
..... to 3.00	1.50 to 3.00	Daffodils	2.00 to 4.00	..... to 3.00	..... to .....
..... to .50	1.00 to 3.00	Daisies	1.00 to 2.00	..... to	..... to .....
..... to .25	..... to .16	Ferns, hardy	..... to	..... to .15	..... to .....
2.00 to 3.00	..... to 2.00	Freesia	2.00 to 4.00	..... to 3.00	..... to .....
..... to .20	..... to .12	Galax, green and bronze	..... to	..... to .12	..... to .....
..... to	..... to	Gardenias, per doz.	..... to	..... to	..... to .....
..... to	..... to 8.00	Lilac	..... to	..... to	..... to .....
..... to 12.00	8.00 to 12.00	Lilies, Harrisii and Longi	8.00 to 12.00	15.00 to 20.00	..... to .....
..... to 3.00	2.00 to 4.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00	..... to .....
..... to	2.00 to 4.00	Mignonette	2.00 to 5.00	6.00 to 8.00	..... to .....
..... to 3.00	1.50 to 3.00	Narcissus	2.00 to 3.00	..... to 3.00	..... to .....
..... to	50.00 to 60.00	Orchids—Cattleyas	..... to 50.00	..... to	..... to .....
..... to	..... to 15.00	Cypripediums	..... to	..... to	..... to .....
..... to	..... to	Dendrobium Formosum	..... to 35.00	..... to	..... to .....
..... to 8.00	.50 to 1.00	Pansies, per doz. bunches	..... to 2.00	..... to	..... to .....
2.00 to 3.00	1.00 to 3.00	Roman Hyacinths	1.00 to 2.00	..... to	..... to .....
..... to 1.50	1.25 to 1.50	Smilax, (per doz. strings)	10.00 to 12.00	1.50 to 2.00	..... to .....
..... to	..... to	Stevia, per bunch	..... to	..... to	..... to .....
..... to .60	.25 to 1.50	Sweet Peas, (per doz. bun.)	.25 to .75	.50 to .75	.50 to 1.00
2.00 to 4.00	2.00 to 4.00	Tulips	2.00 to 3.00	3.00 to 4.00	1.50 to 3.00
..... to .50	.50 to .75	Violets, single	.25 to .50	.50 to .75	.35 to .50
..... to .50	.25 to .75	" double	..... to	.50 to .75	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. CINCINNATI, O.

All Cut Flowers in Season.

I Sell Heller Bros. Roses

WIRE WORK A SPECIALTY

Get your order in now for

HANGING BASKETS

The Best—The Strongest—The Cheapest

Green Sheet Moss, $1.00 per Bundle

Sphagnum Moss, $1.00 per Bale

Please mention the Exchange when writing.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

Milwaukee, Wis.

Please mention the Exchange when writing.

The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

937 Liberty Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee St., MILWAUKEE, WIS.

'Phone, Main 874. P. O. Box 108.

Please mention the Exchange when writing.

Detroit

Last week's record was the first sad feature of the season and the inexorable law of supply and demand asserted itself in a general and most decisive tumble of wholesale prices.

A few warm sunny days brought forth an over-abundance of Carnations and the bad weather following cut counter sales to a minimum. Even Mr. Sullivan's special offerings in Carnations did not stimulate the exchange of coin for flowers and the result was a surplus of some 20,000 Carnations in the hands of wholesalers on Saturday night. Roses seem to have become jealous of Carnations, and after being off crop for several weeks past they are now coming in large quantities and elegant quality, from all sides. With these two staples in over supply counter sales also greatly diminished and while a great quantity of funeral work was called for it was distributed mostly among retailers who are also growers. Such a strong combination could not be overcome by a large shipping trade, such as local wholesalers enjoy. The consequence is a demoralized market from which we all hope to be delivered before long, else some retailers might indulge in price cutting, which would be most deplorable now with Easter just a few weeks away.

The adjourned meeting of the Florists' Club showed the result of an active financial campaign. The needed guaranteed fund is all subscribed, the Wayne Pavilion is rented and general interest in the Fall show is plainly noticeable. FRANK DANZER.

WHITE KILLARNEY
PINK KILLARNEY
RICHMOND
MARYLAND

A large supply in all grades. Try a sample shipment of our $8.00 grade; you will find it exceptionally good value.

CARNATIONS

Quality first consideration. The price we know you will find satisfactory. Our stock consists largely of the best varieties. We guarantee their freshness.

SINGLE AND DOUBLE DAFFODILS, $2.00 to $3.00 per 100.
SINGLE AND DOUBLE TULIPS, $2.00 to $3.00 per 100.
VALLEY, very choice, $3.00 to $4.00 per 100.
PEAS, extra long stems, $1.00 per 100. Good stock, 75c. per 100.

THE LEO NIESSEN CO.,
Wholesale Florists
Open from 7 A.M. to 8 P.M.
1209 Arch Street
PHILADELPHIA

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Feb. 28, 1910	Buffalo Mar. 1, 1910	NAMES AND VARIETIES	Phil'delphia Mar. 1, 1910	St. Louis Feb. 28, 1910
to	30.00 to 40.00	**Roses**—A. Beauty, fancy—special	40.00 to 50.00	25.00 to 35.00
to 25.00	to 25.00	" extra	30.00 to 40.00	15.00 to 20.00
15.00 to 20.00	to 12.00	" No. 1	15.00 to 25.00	8.00 to 10.00
6.00 to 10.00	6.00 to 8.00	" No. 2	8.00 to 15.00	4.00 to 6.00
to	4.00 to 12.00	Killarney	8.00 to 10.00	5.00 to 8.00
to	4.00 to 12.00	White Killarney	8.00 to 10.00	5.00 to 8.00
5.00 to 10.00	5.00 to 10.00	My Maryland	2.00 to 8.00	5.00 to 8.00
5.00 to 8.00	5.00 to 12.00	Richmond	2.00 to 5.00	5.00 to 10.00
4.00 to 6.00	5.00 to 8.00	Perle	3.00 to 6.00	to
4.00 to 10.00	to	Golden Gate	to	to
4.00 to 10.00	to	K. A. Victoria	to	to
to 10.00	10.00 to 12.00	Bride, 'Maid, fancy—special	6.00 to 8.00	6.00 to 8.00
to 8.00	8.00 to 10.00	" extra	5.00 to 6.00	4.00 to 5.00
5.00 to 6.00	6.00 to 8.00	" No. 1	3.00 to 5.00	to
to 4.00	4.00 to 6.00	" No. 2	2.00 to 3.00	to
to 1.00	1.00 to 1.50	**Adiantum**	1.00 to 1.50	to
to	to	**Antirrhinum** (per bunch)	to	to
25.00 to 50.00	to	**Asparagus,** Plumosus, bunches	25.00 to 45.00	to
25.00 to 50.00	to	" Sprengeri, bunches	20.00 to 35.00	25.00 to 60.00
to	to	**Bouvardia**	to	to
8.00 to 10.00	10.00 to 15.00	**Callas**	6.00 to 8.00	8.00 to 10.00
to	to	**Chrysanthemums**	to	to
1.00 to 1.50	1.50 to 2.00	**Carnations**—Inferior grades, all colors	.25 to .50	1.00 to 1.50
2.00 to 2.50	1.50 to 2.00	Standard Varieties: White	.75 to 1.50	1.00 to 1.50
2.00 to 2.50	1.50 to 2.00	Standard Varieties: Pink	.75 to 1.50	1.00 to 1.50
2.00 to 2.50	1.50 to 2.00	Standard Varieties: Red	.75 to 1.50	1.00 to 1.50
2.00 to 2.50	1.50 to 2.00	Standard Varieties: Yellow and var	.75 to 1.50	to
to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	1.50 to 2.00	2.50 to 3.00
to 3.00	2.50 to 3.00	*Fancy: Pink	1.50 to 2.00	2.00 to 2.50
to 3.00	2.50 to 3.00	*Fancy: Red	1.50 to 2.00	2.50 to 3.00
to 3.00	2.50 to 3.00	*Fancy: Yellow and var	1.50 to 2.00	to
to 3.00	to	**Daffodils**	.75 to 1.50	to
to	1.00 to 1.50	**Daisies**	.60 to 1.00	to
to	to	**Ferns,** hardy	to .20	to .20
.50 to 1.50	2.50 to 3.00	**Freesia**	.75 to 1.25	to
to	to .15	**Galax,** green and bronze	to .20	to .12
to 2.00	to	**Gardenias,** per doz.	5.00 to 15.00	to
to	to	**Lilac**	8.00 to 12.00	to
10.00 to 12.00	12.00 to 15.00	**Lilies,** Harrisii and Longi	6.00 to 8.00	to 10.00
3.00 to 4.00	3.00 to 4.00	**Lily of the Valley**	1.00 to 2.00	3.00 to 4.00
to 3.00	2.00 to 3.00	**Mignonette**	1.00 to 2.50	4.00 to 5.00
to 3.00	2.00 to 3.00	**Narcissus**	1.50 to 2.00	to 2.00
to	40.00 to 50.00	**Orchids**—Cattleyas	25.00 to 40.00	to
to	10.00 to 15.00	Cypripediums	8.00 to 10.00	to
to	to	Dendrobium Formosum	25.00 to 35.00	to
.50 to .75	1.00 to 1.50	**Pansies,** per doz. bunches	.50 to .75	to
2.00 to 5.00	2.00 to 8.00	**Roman Hyacinths**	.75 to 1.50	to 2.00
2.00 to 2.50	1.25 to 1.50	**Smilax,** (per doz strings)	1.00 to 1.25	to 1.25
to	.25 to .30	**Stevia,** per bunch	to	to
.50 to 1.00	.50 to 1.00	**Sweet Peas,** (per doz. bun.)	.60 to .75	.15 to .40
2.00 to 3.00	2.00 to 4.00	**Tulips**	1.00 to 2.50	2.00 to 3.00
.40 to .60	to	**Violets,** single	.20 to .35	.15 to .25
to	.50 to .75	" double	.25 to .40	to
to	to		to	to
to	to		to	to
to	to		to	to

Philadelphia

At the next meeting of the Florists' Club there will be presented a paper on Lilies, a subject which should bring forth an able discussion at this season.

J. Griffin of Frankford, Pa., is having good success with the Orchid plants he bought last Summer. The plants are making a fine growth.

Edw. Stroud says that every retail grower should try some Schizanthus for cut flowers. It is a dainty novelty, and gives the customer a change from the ever present staple articles.

The sale of rooted cuttings of Carnation Dorothy Gordon goes merrily on, and the flowers show up better and better as the season advances.

A. Fahrenwald hopes that as many Rose growers as possible will go to New York on March 16-17, to see the American Rose Society's display, and attend the convention. Those who decide to go should communicate with him in order to make a party and travel together.

The new propagating house recently completed at the Robt. Craig Co.'s establishment at Norwood, Pa., will be ready for use by the end of this week and will soon be filled with cuttings of all descriptions. This company has recently finished potting 75,000 rooted cuttings of Lorraine Begonias.

D. Anderson of Garretsford, Pa., has decided to build two new houses of the King construction type this Spring.

Business with the retailers has been very slow the past week, due no doubt to the unsettled feeling of the public caused by the trolley men's strike. That the influence of this strike bears on all branches of business is conceded, and efforts are being made to bring the trouble to a speedy end.

Robt. Kift said at the Florists' Club meeting he found that a cold air shaft from outside connected to his ice box was a great factor in the keeping of Carnations. A simple device, nothing less than an electric fan served the purpose of regulating the supply of air admirably, and he hoped that many store men would look into the proposition.

It has been suggested by several wholesalers that Saturday sales of Carnations and other flowers be inaugurated, to the end that the market may be cleaned up, and the public get the benefit of the low price of greenhouse products.

The annual Spring show of the Pennsylvania Horticultural Society will be held in Horticultural Hall on March 15, 16, 17. All who intend exhibiting plants and flowers at that time should communicate with Secretary Rust as soon as possible.

Henry F. Michell Co. is very busy this week, and the demand for gardening tools of every description has steadily increased. Poultry supplies are also in great demand.

The Leo Niessen Co. will handle the green dye for dying Carnations for St. Patrick's Day. Shipping trade with this firm keeps the entire force busy daily.

The S. S. Pennock-Meehan Co. is making special offers of Cattleya blooms for next week. These should meet with popularity among the out-of-town trade. Ribbons for Easter trade are also a specialty which this house handles extensively.

Southern grown Daffodils have made their appearance in the market.

From comments freely expressed it is not very difficult to learn that Pink Delight Carnation will be popular, as its color under any circumstances appeals to all who see it.

Retailers were especially interested in the self-watering flower box, exhibited at the recent Club meeting, which is handled by the Conard & Jones Co. of West Grove, Pa.; and from testimonials received the box evidently embodies all the claims made for it. It's a good thing.

Gardenias and Cattleyas

The Aristocrats of the Flower World

Such values, and such qualities, it has seldom been our privilege to offer. Truly magnificent blooms.

GARDENIAS—SPECIALS, per doz. $3.00; FANCY, per doz. $2.00; FIRSTS, per doz. $1.50.

CATTLEYAS—Per doz. $6.00; per 100 $40.00.

Mention this advertisement and we will sell a box of two dozen of the choicest Cattleyas for $10.00.

FOR ST. PATRICK'S DAY

Shamrocks, 2¼-in. pots, $10.00 per 100.
Empty Shamrock Pans, 6 in. diameter, 2 in. deep, 15c. each. These Pans can be filled from 2¼-in. pots, and used for table decorations.
Green Carnation Dye, $1.00 per package.

CATALOGUE ON REQUEST

S. S. PENNOCK-MEEHAN CO.
The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St., Philadelphia, Pa.
1212 New York Ave., Washington, D. C.
Stores close at 6 P. M.

Please mention the Exchange when writing.

EDWARD REID
Wholesale Florist
Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias
All other seasonable flowers
1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

Headquarters in Western New York
For Roses, Carnations,
And all kinds of Seasonable Flowers

WM. F. KASTING CO.
Wholesale Commission Florists
Dealers in Florists' Supplies and Wire designs
383-87 Ellicott St., BUFFALO, N.Y.
Give us a trial—We can please you

Please mention the Exchange when writing.

Your Money is well spent when you advertise in THE FLORISTS' EXCHANGE

Prices Advertised in these Columns are for THE TRADE ONLY

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

Please mention the Exchange when writing.

HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

51 Wabash Ave.

Please mention the Exchange when writing.

Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

Please mention the Exchange when writing.

E. G. HILL CO.

Wholesale Florists

RICHMOND, INDIANA

Please mention the Exchange when writing.

Wietor Bros.

Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

Please mention the Exchange when writing.

ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Mch. 1, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	.... to 4.00
30-inch stems.. "	.... to 3.00
24-inch stems.. "	2.50 to 3.50
20-inch stems.. "	.... to 2.50
18-inch stems.. "	1.50 to 2.00
12-inch stems.. "	1.00 to 1.25
8-in. stems and shorts "	75. to 1.00
Killarney	5.00 to 8.00
" extra	10.00 to 12.00
White Killarney	10.00 to 12.00
Richmond	6.00 to 12.00
My Maryland	5.00 to 12.00
Bride, Maid, fancy special	6.00 to 8.00
" extra	4.00 to 6.00
" No. 1	.... to 4.00
" No. 2	.... to 2.50
Perle	4.00 to 7.00
Chatenay	3.00 to 8.00
Kaiserin	.... to 8.00
Uncle John	.... to 8.00
Mrs. Marshall Field	.... to 8.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Calla Lily	8.00 to 10.00
Chrysanthemums doz.	.... to ....
" fancy doz.	.... to ....
Daisies	.... to 1.00
Daffodils	.... to 3.00
	.... to ....

CARNATIONS		
Standard Varieties	White	1.50 to 2.00
	Pink	1.50 to 2.00
	Red	2.00 to 4.00
	Yel. and Var.	.... to ....
Fancy (The highest grades of Sta'd varieties)	White	.... to 3.00
	Pink	.... to 2.00
	Red	.... to 3.00
	Yel. and Var.	.... to ....
Ferns, hardy, per 1000		.... to 2.00
Freesia		.... to 3.00
Galax (green)		.... to 1.00
" (bronze)		.... to 1.25
Gardenias		24.00 to 40.00
Hyacinths, Roman		.... to ....
Lilac		.... to 3.00
Lilies, Harrisii and Longi.		.... to 12.00
Lily of the Valley		3.00 to 5.00
Mexican Ivy		.... to 1.00
Mignonette		4.00 to 6.00
Narcissus—Paper White		.... to 3.00
Orchids—Cattleyas		35.00 to 50.00
" Cypripediums		15.00 to 20.00
Pansies		.... to ....
Smilax		12.00 to 15.00
Stevia, bunch		.25 to .50
Sweet Peas		.50 to 1.00
Tulips		2.00 to 4.00
Violets, single		.... to .40
" double		.50 to .75
		.... to ....
		.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

Chicago

Stock in general has increased considerably and there is an abundance of flowers of all sorts in season. Bulbous stock, with the exception of Tulips, moves but slowly, and it is stated by many that there appears to be more Daffodils and Jonquils than for many seasons. The later crop of Jonquils turned out far superior to the first, when there were so many blind bulbs. The shipping trade is what is helping out with the consumption of stock. City trade is rather quiet with Easter approaching; the outlook for a brisk trade is bright.

Charles Reid Barnes, professor of plant physiology at the University of Chicago, and an eminent botanist, died suddenly on Thursday evening, February 24, at his home 1357 East Fifty-sixth st. He was stricken within a block of his home, but managed to stagger to the doorway of his residence, where he fell unconscious, dying without rallying. Prof. Barnes was 53 years old, and came from the University of Wisconsin in 1898. He was first dean of the college and since 1902 had been college examiner. He was also recognized as an authority in his particular line of research.

Mrs. Mary A. Hunt, wife of Geo. Hunt of the firm of A. E. Hunt & Co., Evanston, Ill., died Saturday morning, February 26, after a long and painful illness. Mrs. Hunt was born in Norfolk, England, August 18, 1838, and was the mother of A. E. Hunt of Evanston, I. G. and H. H. Hunt of Park Ridge, Ill., Mrs. E. Piddington, Mrs. F. E. Twist and Mrs. L. M. Powell, all of London, England. The funeral took place from her late residence, 1515 Payne ave., Evanston, Tuesday morning, March 1, with interment at Rose Hill.

The new Carnation, Mary Tolman, which was a seedling of A. E. Hunt's, was named by him for his mother, her maiden name being Mary Tolman.

The staff of Winterson's Seed Store are at present busy distributing the annual catalog of the house, which arrived from the press last week and which is exceedingly attractive.

The E. F. Winterson Co. is remodeling its wholesale cut flower department, installing new offices, and a complete set of new fixtures throughout.

C. S. Stewart of W. W. Barnard Co.'s Fifth ave. store, is serving two weeks' jury duty. This is a most inconvenient time for him, as seed orders are beginning to come in rapidly.

The Mastin Automatic Sprayer is commanding considerable attention by people who have heretofore used the small tin sprayers. The fruit growers are also using it extensively, as it fills a long felt want for this purpose.

Mr. Fulton of the firm of Henry & Lee, New York, visited in Chicago a few days on his way home from Japan. Mr. Fulton was very much pleased with his trip abroad.

Jas. Souden of Minneapolis, Minn., visited the trade here on Friday and Saturday of last week, purchasing supplies for the new firm about to start in Minneapolis, to be known as the Radison Flower Shop, with Mr. Souden as manager.

Harry Manheim, who has been connected with the J. A. Budlong Co. for the past eight years, is now in the employ of Hoerber Bros.' wholesale market.

Geo. Freeman, Orchid collector, of Fall River, Mass., visited among the growers of Chicago the past week.

Thomas J. McNally, the new florist of 477 Wabash ave., reports that everything looks very favorable. As a beginning he has no complaint to offer.

George Woodward of 4973 Lake ave. says the past two weeks have been record breakers for funeral work.

The Armour Conservatories, at Lake Forest, are nearing completion and make a very magnificent addition to the already beautiful surrounding grounds.

E. L. Martin left Friday for New York, where he will again associate himself with the business of his aunt, M. E. Martin, Floral Park, Long Island.

Allie Zech has resigned his position with Zech & Mann and will spend some time in seeing some of the country before settling down to any permanent work.

The Bowling Club had a meeting on Tuesday evening instead of Thursday this week, owing to the regular meeting of the Chicago Florists' Club, which is to entertain the ladies on Thursday evening, March 3.

M. Suzuki, of the Yokohoma Nursery Co., Yokohama, Japan, is taking a business trip through the States. Mr. Suzuki arrived in Chicago last Monday.

Visitors: Geo. F. Crabbe, of Crabbe & Hunter, Grand Rapids, Mich.; Andrew Anderson, Batavia, Ill.; C. C. Pollworth, Milwaukee, Wis.

Bowling

The Florists' Bowling Club League bowled as usual at Bessinger's Alleys on Thursday night, February 24, with the Violets looming up with highest score. The Orchids played the Carnations with a score of 1993 to 2113 in favor of the Carnations. The Violets and Roses bowled together with a total of 2324 to 2062 in favor of the Violets.

Waynesboro, Pa.

Henry Eichholz has received a shipment of English Carnation seedlings from J. H. Burnett, of Guernsey, England. They arrived in fine shape, and are to be tried here before Mr. Burnett puts them on the market.

Rochester, N. Y.

Conditions of trade here have shown no improvement from last week, business being practically at a standstill. Carnations still swamp the market and in order to get rid of them have to be jobbed off at ridiculous prices, which certainly do not pay the growers. With conditions such as these at this time of the year, what will be the outcome in early Spring when the crop will be at its best? Is not overproduction a great factor in these gluts we are experiencing of late? This question might be discussed by the trade papers to great advantage to all concerned. The opinions of some of the large growers on this subject would probably throw some light on the subject.

Roses are coming more freely now, owing to a week of bright sunny days, although the weather has been cold. At present writing it is raining and a general breakup is imminent, which we hope will revive general business.

The executive committee of the S. A. F. is expected here on or about March 12 to make final arrangements for the convention, and a meeting will be held on Wednesday to consider preparations for the banquet, which will be held in honor of the members of the executive committee. Chairman C. H. Vick of the souvenir album committee, and the members of this committee, have started work, and a very creditable production is assured. The meeting of the Bowling Club was not as well attended as is usual, the severe weather no doubt keeping many away. H. B. STRINGER.

Chas. Suhr will have a fine lot of Spiræas in bloom for Easter, as well as many other well grown flowering plants, including Tulips, Daffodils, Hyacinths, Azaleas and Boston Ferns.

John Suhr will soon be in his new place as grower for the Geo. Crooke Co. at Mount Hope Cemetery. This position should give John some valuable experience, and his many friends wish him success.

Jas. Vick's Sons are busy with Aster seed orders and, from present outlook, the amount of sales will exceed those of last season. Chas. Vick is busy on S. A. F. convention matters, and is making arrangements for the reception of the Executive Committee of the S. A. F., which will hold a session here about March 12, looking towards the settlement of plans for the coming convention.

Hugo Teute is meeting with good success as a grower of seedling Carnations; a new red seedling, having Beacon as one of its parents, should prove interesting later on. This young man recently forced 4000 Dutch Hyacinths into bloom, under contract for a Western house.

Salter Bros.' store on E. Main st. reflects great credit on Geo. Cramer for its unique window displays.

Geo. T. Boucher is now occupying his new uptodate store at 345 Main st. E. It is elegantly fitted up and finished in white enamel. Pagodas, used for decorative effect in the window will play an important part in its general appearance; this is an entirely new feature in a retail store.

J. B. Keller's Sons have their Lilies about right for Easter; the types grown include Formosa and giganteum, which have proved by far the two best varieties. The firm is very busy at this time of the year with decorative work for the Spring opening of the large department stores. Home-made Birch bark baskets for mixed flowering plants are a strong feature with this firm.

Joe Scofield has decided to give up his position as grower for Geo. Crooke Co.

H. E. Wilson's establishment on Hudson ave. is filled to overflowing with an immense variety of plants. Bulbous stock, Azaleas, Lilies and Spiræas form the chief product at this time of the year.

Chas. Briggs, who has been bookkeeper for Salter Bros. for many years, will try his fortune with W. H. Campbell, one of Rochester's popular florists. A. H. S.

ASPARAGUS PLUMOSUS
From 3-in. pots, $6.00 per 100; from 2¼-in. pots, $3.00 per 100.

MAMMOTH VERBENAS, Rooted Cuttings; $1.00 per 100, $8.00 per 1000.

ASPARAGUS SPRENGERI
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Newport, R. I.

The flower trade is slack with plenty of good material available; and the greatest demand has been brought about by funeral work.

For Easter preparations are being made. At both Gibson Bros. and C. O. Schultz's the Lilies look well, and from present appearances will be in on time—a healthy lot with no signs of disease whatever.

Many of the private gardeners are busy as usual at this time of year transplanting large trees, picking up fine specimens wherever they can be had, especially in the compact part of the city. Among those who are going into this business heavily are the gardeners for Hugh D. Anchincross, Charles F. Hoffman and C. Cass Ledyard, but for the present this work has been interfered with by the thaw that has set in.

At the Mrs. William Grosvenor place a new greenhouse is to be built for Carnations, but the contract has not yet been given out. At the Belmont place several of the old greenhouses are to be taken down.

During the cold spell James McLeish had one of his old boilers give out; it was used for heating one of his Peach houses, which was just in bloom, but by the use of stoves quickly placed he managed to prevent damage.

Gibson Bros. also had a similar experience, but they were more fortunate in that the weather then was mild and continued so until repairs were made.

Thomas J. Wade, representing Bonnie Brae Nurseries, was here last week and booked many orders for their famous fertilizer, as well as other goods.

ALEX. MACLELLAN.

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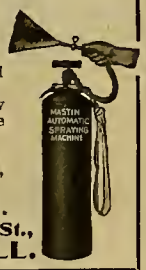

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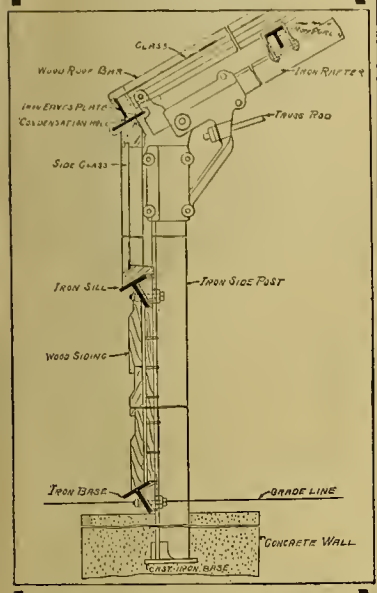

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F. E.—Best Advertising Medium

Los Angeles, Cal.

Announcement is made by the Pasadena Gardeners' Association of its fifth annual Spring flower show, to be held March 31, April 1 and 2, at the corner of West Colorado st. and Pasadena ave., in a tent. There is no hall in the city large enough to accommodate the Spring shows of the Association. Efforts will be made during this year to secure a lot and put a building on it of sufficient size to meet the requirements of this body of men in their zeal to educate the public in horticulture.

Ed. Howard is home on a little visit from the jungles of Mexico and Central America, where he spends most of his time making collections of plants for a Los Angeles amateur grower of plants with abundant means to carry on this line of work. The effect of a tropical climate has not been so detrimental to his health the past year as the one preceding.

Dr. Schiffman of Pasadena sailed Feb. 15 from San Francisco for the Philippine Islands, where he has large real estate holdings; and combining business and pleasure he promises us some new plants from that far away country for testing in southern California. The doctor is a man possessed of business acumen above the average, and with it an inherent love for flowers. He was one of the most successful Orchid breeders in the United States while living in St. Paul. Several years ago he was in the Philippines and made a collection of Orchids—Phalænopsis—and when he got them in to seaport looked about for some method by which he might pack them securely in an economical way for transportation. He chanced to be where carpenters were planing Camphor lumber. He was impressed with the idea that the shavings would be suitable packing material, and securing large baskets he placed his plants, layer about, with them, firmly and securely, which proved to be a great success, and he disposed of the lot with profit to himself and pleasure to his patrons, because of his less expensive method of packing, and the reduced price of the plants.

Howard & Smith have put up at their Montebello place a new building, 20x50 ft., two stories, designed for an office, packing shed and store room for bulbous stock on first floor, the second divided into comfortable rooms for the employees on the place, bathroom, kitchen and dining room. They have a new perennial member of the natural order Convolvulaceæ, of the Spomea section; and in a slat house without any effort to protect it from the chilly atmosphere at night it has furnished enough bloom the entire Winter to demonstrate its adaptability to our climate. The foliage is after the manner of Mina lobata; the flowers are borne on stems which are eight to twelve inches long. The corolla is of funnel form, an inch wide, the tube a half-inch or more long. There are two varieties, one of light red color and yellow throat, the other of a dark red, both very attractive because of their size and color. Finding no mention of it in any available work on plants, I chose to name it Ipomea Howardii and shall so refer to it in the future; nevertheless, if this specific name should usurp one previously applied to this beautiful subject I am ready to accept the correction. Readers of these notes living in countries with climates similar to our own southern California would do well to give this plant a trial for covering porches and pergolas. The strain of Pansies developed at this establishment is of marvelous size, and produces beautiful colors. Red Watsonias were in bloom in a slat-house February 10, and a branch of Moschosma riparium close by, which escaped the effects of frost, showed it to be a desirable shrub, especially for Winter blooming; but it is too tender for our Winters outdoors, and a plant that fails in that particular does not find favor on this Coast. The list of plants which may be cultivated outdoors successfully is so long and the varieties so great that few people will bother with subjects that require much attention.

D. F. Reichard, who was so severely burned during the holiday season, is able to be about again, even though his hands will not be of much service to him for a month or two.

Since New Year's Day we have not had enough rain to keep the dust washed from trees and plants, and the result is that vegetation does not have the fresh appearance it usually wears at this time of year. Grain sown during the last thirty days is beginning to suffer, and wild feed is becoming so short that stock have a difficult time picking a living. One of the strange things about our "wild feed" is that English Barley Grass, Hordeum murinum, is one of the many plants composing it, and what a pest this foreigner is. When Winters are wet it grows with a tropical luxuriance, and the barbs of the heads torture all kinds of stock by penetrating the mucous membrane of the mouth, and that too in a way that their accumulation is so great that they often have to be removed by a surgeon. When ripe they penetrate clothing, and are even more irritating than Spanish Needles.

Dietrich & Turner are cutting fine Roses and Carnations. They have a white Carnation superior in form and substance to any variety that has ever come under my observation. Their entire stock covers varieties of Turner's own origination.

At the semi-monthly meeting of the Pasadena Gardeners' Association last night, Iris veticulata was shown by one of the members. Why has this exquisitely beautiful variety not come into general cultivation? It was not large, to be sure, but so rich in color that what it lacked in size of flower was made up in quality of color—a rich dark purple.

P. D. BARNHART.

Howard & Smith have added the three back yards next to their sales yard on Olive st., in Los Angeles, to their grounds. Now almost all backyards in Los Angeles are 50x50, or 50x100 feet; in this case it is the first named size. They have in cultivation Bellis perennis of the large flowered type, such as are found in flower markets of Eastern cities. These are the first that I have met with on this Coast. The plant becomes a pest in lawns here if given half a chance, but the flowers are either single or only semi-double, and such has been the stock florists have been content to furnish their patrons because they were more easily grown from seed than from divisions of the plants, which is the only method by which good strains may be perpetuated. For the first time, too, since I have lived on this Coast have I seen pot-grown Heliotrope plants put upon the market,

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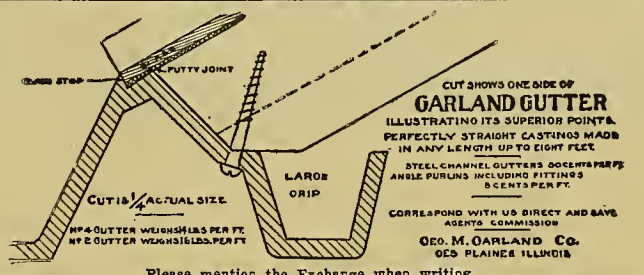

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THE JENNINGS IMPROVED IRON GUTTER
PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.
Send for Circulars **DILLER, CASKEY & KEEN.** Successors to JENNINGS BROS.
S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

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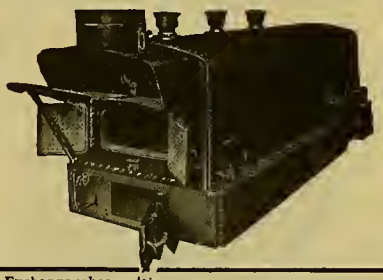
THE KROESCHELL BOILER
IS THE ONLY PERFECT
HOT WATER BOILER
No. 1 FOR SMALL GREENHOUSES
No. 15 FOR A RANGE OF 50,000 SQ. FT. GLASS HEATED TO 60 AT 15 BELOW ZERO.
Prices and Catalogue on application.
KROESCHELL BROS. CO.
468 Erie Street, CHICAGO



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TILE DRAINED LAND IS MORE PRODUCTIVE
ROUND TILE
Earliest and easiest worked. Carries off surplus water; admits air to the soil. Increases the value. Acres of swampy land reclaimed and made fertile. Jackson's Round Drain Tile meets every requirement. We also make Sewer Pipe, Red and Fire Brick, Chimney Tops, Encaustic Side Walk Tile, etc. Write for what you want and prices. JOHN H. JACKSON, 50 Third Ave., Albany, N.Y.

Please mention the Exchange when writing.

Estimates Cheerfully Furnished **S. JACOBS & SONS** Get Our Prices and Catalogue

Established 1871 1365-1379 Flushing Ave. BROOKLYN, N. Y.

Clear Gulf Cypress GREENHOUSE MATERIAL

Cut and Spliced Ready for Erection

Pecky Cypress for Benches

We Carry 1,500,000 ft. of Louisiana Cypress in Stock

GREENHOUSE GLASS 20,000 Bxs. In Stock At Wholesale

LATEST UP-TO-DATE

Twin-Section Boilers

Pipe, Fittings, Valves

BRACE and SPLIT FITTINGS

WE INVITE COMPARISON

Everything for Erection

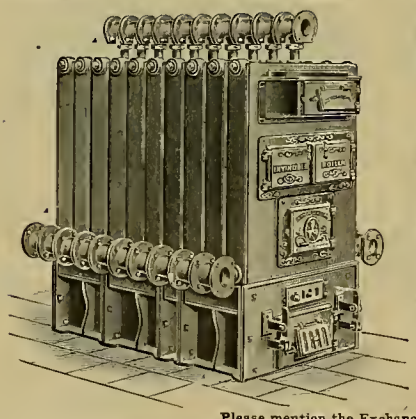
We carry the largest stock of

HOT-BED SASH In the United States

Our New **VENT APPARATUS** Will Lift Easy 100 Feet

DOUBLE LIGHT HOT-BED SASH Requires No Covers

Please mention the Exchange when writing.



SCOLLAY BOILERS

ARE BEST

For Greenhouse heating, Standard Cast Iron Greenhouse Pipe and Fittings

We are Headquarters for all sizes wrought iron pipe and fittings.

It will pay you to get our special quotations. We also contract for and erect Steam and Hot Water Heating appsratus in all parts of the country.

Illustrated catalogues free on application

JOHN A. SCOLLAY,

74-76 MYRTLE AVE.

BOROUGH OF BROOKLYN, NEW YORK CITY.

Telephones, 1492-1493 Main.

U. G. SCOLLAY, Manager

Please mention the Exchange when writing.

Are you going to build a Sash Bar, Semi-Iron Frame or Iron Frame Greenhouse? We have interested others in our methods of construction and in our prices—why not you?

ISAAC CASSIDY,

Summer Ave. and Erie R. R.

NEWARK, N. J.

Please mention the Exchange when writing.

F. E.—The Best Advertising Medium

LOS ANGELES—Concluded from p. 445

such as John Cook, of Baltimore grew years ago—and this firm has the plants. If there is any doubt about the prosperity of this town a visit to their sales yard will soon remove it. They have carloads of conifers in boxes shipped here, from the northern part of the State, to meet the demand for specimen plants. One Araucaria imbricata, a foot in diameter at base and 15 ft. high, weighs a ton and a half in the box. Some other specimens of other varieties of the cone-bearing section of plants are quite as large.

A method of caring for potted plants in this dry atmosphere, as practised by this firm, could be profitably followed by other nurserymen on this Coast. All potted plants are kept plunged in sand to the rim—this prevents rapid drying out. They use no tin cans for any plants, which keeps the gardener who buys them in a more cheerful frame of mind, when removing the plants, than if they were grown in tin cans. I wonder how many Eastern gardeners there are who have seen the tin can method of growing plants. If there is any one thing that will make a man swear more quickly than another it is transplanting a plant grown in a tin can.

Reference was made in these notes, in January, to the Citrus trees being damaged by frost. It is now definitely known that about one-third the crop in this end of the State was also frosted enough to make it unmarketable in the East. The temptation to dispose of it will be great, and if none of it leaves the State it will be a marvel. A frosted Orange is difficult to detect from outward appearances, but when opened its character is at once revealed. Moreover, there will be a shortage in the crop of several thousand cars as compared with last season, even though it were all good.

Mr. Winsel tells me that the place of his nativity is Brussels, Belgium, not Holland as was stated recently.

P. D. BARNHART.

General Dutch Bulb Growers' Society of Haarlem

The following awards of merit were made at the recent meeting of the Tulip committee:

Single early Tulip la Discretion. A seedling variety, cherry color, with broad white border. Originator J. E. C. Pernout, Haarlem.

Single early Tulip Golden Horn. A new variety; raised from single early Tulip Rosamundi Huikman; flowers light yellow tinted with rose, a splendid forcing variety. Originator, A. Van den Berg, Heemstede.

Darwin Tulip William Copeland. An early flowering, good forcing variety. Originators, Roes & Goemaus, Vogelensang.

HEATING QUERIES

Conducted by U. G. Scollay

Inquirers Read This

Subscribers asking questions for Heating Problems must be particular to give the following: Length, width, height at ridge, height at eaves, glass on sides, glass on ends, position of house as regards points of compass, grade of house, location of boiler pit, size of boiler pit, depth of boiler pit, size and location of chimney, temperature desired in each house, whether steam or hot water is used for heating, number of pipes and size in each house, dimension and position of benches, location of doors. The above information I must have before I can answer any definite questions regarding any heating plants already installed.

If the inquiry is for proposed new house or houses, send full measurements of the houses as described above, including glass, proposed location of boiler pit, proposed location of chimney, position of house as regards points of compass, number and position of benches, temperature required of purposes for which the houses are intended; whether steam or hot water heat desired.

Subscribers who may contemplate asking for information regarding heating apparatus are particularly requested to cut this out, so that when they write, the questions will be answered fully, and will save time and help the writer materially to arrive at the proper conclusions.

U. G. Scollay.

—Will you kindly give us the amount of 2 in. pipe necessary to heat one house 32x100 and one 40x100. Also, would an A. B. Farquher Co.'s 30 h.p. horizontal boiler be sufficient to heat about 2200 sq. ft. of glass at a temperature of 50 degrees in zero weather. Also, what size flow pipe would be proper to carry the two houses mentioned and two more of the same size, using hot water system?

The 40 and 32 ft. houses will be joined together; will have three ft. of glass in each of the two outside walls; about 6 ft. to eaves. There will be a 15 ft. ridge in 32 ft. house and 18 ft. ridge in 40 ft. house. The other four houses are about 12 ft. to ridge; 5 ft. eaves; are connected, with no glass on sides, also small passage way 14x75, running between the ends of the two blocks of houses is about 12 ft. to eaves. We enclose herewith a rough sketch of these houses.—S. E. C., Virginia.

—Your first letter does not agree with the plans so I reply from the additional data and base my calculations on the plans. In the 40 ft. house, place twenty-five lines of 2" pipe, and in the 32 ft. house twenty lines of 2" pipe. In each of the 25 ft. houses put twelve lines of 2" pipe, and in the 7 ft. house seven lines of 2" pipe. I would advise running a separate set of mains for the two divisions of your plant. First division, one house 100x40, one house 100x32, start out with 6" pipe, and carry the 6" until you have taken off twelve runs of 2" pipe, then follow with 5" until you have taken off twelve more, then 4" for eight more, and 3½" for eight more, and five with at least 2½". In the second section consisting of three 25 ft. houses and the 12 ft. house, start from boiler with 5" and include on this 5" fifteen runs of 2", and reduce to 4½" and carry along eight runs of 2", then 4" for eight more of 2", 3½" for eight more, then 2½" for four. The above will give you the size of mains required both for flow and return, being sure to apportion the returns in the exact way that you take them for the flow. These calculations are based on 50° inside, zero outside. I do not consider a 30 h.p. boiler of sufficient capacity to warm all of the above. You should at least have a boiler of 40 h.p. If you decide to use a regular make of greenhouse boiler or boilers, have the capacity or the combined capacity of said boilers to equal 6000 feet 4" pipe rating.

Tubular Boilers

Steam and Water

The Most Economical and Efficient Boiler for Greenhouse Heating

CENTRALIZE YOUR HEATING PLANT

The economy in heating large ranges of glass from a central plant is so great that the first cost is repaid in a few years.

Following are a few plants which we designed and installed:

THOMAS YOUNG, JR.
BOUND BROOK, N. J.

150,000 sq. ft. glass heated by steam from a central plant; the exhaust from pumps is passed through a condenser which heats 2-150 foot propagating houses with hot water.

F. R. PIERSON CO.
SCARBOROUGH-ON-HUDSON, N. Y.

150,000 sq. ft. glass heated by steam from a central plant; the steam is passed through condensers and the hot water is forced through the houses with circulators.

JOHN N. MAY
SUMMIT, N. J.

75,000 sq. ft. glass heated by steam from a central plant.

Estimates and Full Information Furnished Without Charge

JOHNSTON HEATING CO.
138 East 31st St., New York

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Washington, D.C.

The closing day of February saw a heavy downpour of rain which continued into the opening of March. The unseasonable hot spell which comes each year and pushes the Easter stock ahead is upon us and cool places are a luxury.

Oswego, N. Y.

The Winter of 1910 will long be remembered as one of the longest and worst that has been experienced for many years—blizzards, gales and low temperature, and almost unprecedented heavy falls of snow. The U. S. weather report states that, up to the present, ten feet of snow has fallen, the greatest amount in forty years. As I write the snow piled in the streets is higher than trolley cars.

Business has been very light indeed; funeral orders are the only breaks. Still, the florists are not discouraged, and with fine weather look for a record breaking Easter trade.

P. G. Campbell sustained a very heavy loss by fire February 23, which totally destroyed three houses, and seriously injured the stock in those remaining. The fire is supposed to have started in the boiler room, or office. A fearful blizzard was on at the time and it occurred at the noon hour. It made such headway that nothing could be saved. A large quantity of seeds were stored in the office and the burned houses contained large stocks of Palms, Ferns, Azaleas, and the larger part of Easter bulb stock. There was no insurance on the stock and only $500 on the houses. The craft all express great sympathy for Mr. Campbell. The new houses and store he is building on the island in the river will not be completed till warm weather comes. H. Y.

THERE'S MONEY IN FARMING

If you understand Modern Methods and FARM INTELLIGENTLY

Every reader of the Florists' Exchange who is interested in farming or gardening, in the growing of fruit or of flowers, is invited to send for a free copy of our 80-page catalogue and full information in regard to the Home Study Courses in Agriculture, Horticulture, Landscape Gardening and Floriculture which we offer under Prof. Brooks of the Massachusetts Agricultural College and Prof. Craig of the Cornell University.

The Home Correspondence School
Dept. 77 Springfield, Mass.

Please mention the Exchange when writing.

SUCCESS BRINGS SUCCESS

ADVERTISING

IN

The Florists' Exchange

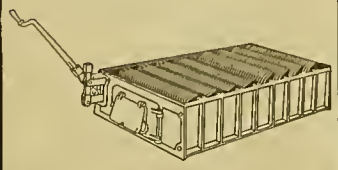
IS ONE OF THE VERY BEST INVESTMENTS OPEN TO THOSE IN THE

Florists : : : Seedsmen : Nurserymen

AND ALLIED

Industries :

The Burnham GRATES



Grates are ridged on top—double trussed underneath, so that they smash the clinkers and not the grate. They dump to the front, which makes ash removal easy.

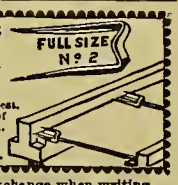
SEND FOR CATALOG

LORD & BURNHAM CO.
IRVINGTON, N. Y.

New York St. James Bdg | Boston Tremont Bdg. | Philadelphia Heed Bdg. | Chicago The Rookery

Please mention the Exchange when writing.

Holds Glass Firmly
See the Point of PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.



Please mention the Exchange when writing.

For Good Serviceable **SECOND-HAND PIPE**

Our prices are—1-in. pipe, $2.52; 1¼-in., $3.55; 1½-in., $4.05; 2-in., $5.55; 2½-in., $8.50; 3-in. $11.00 per 100 feet. We also sell Boiler Tubes.

ALBERT & DAVIDSON, Brooklyn, N. Y.
Tel. 2225 Williamsburg 68-70 Troutman St

Please mention the Exchange when writing.

KEEP A

HOLLY STANDARD CIRCULATOR

busy and watch results.

SUB-TARGET GUN CO.,
STEAM ENGINEERING DEPARTMENT
216 High Street, BOSTON, MASS.

Please mention the Exchange when writing.

For Greenhouses, Greeneries, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS

N. COWEN'S SON,
14 & 16 Wooster Street, New York

We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over Write for circulars and prices

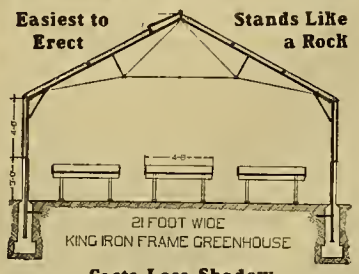
The **A. T. Stearns Lumber Co.**
NEPONSET, Boston, Mass.

Please mention the Exchange when writing.

How About This? "The Best Houses we have and we erected them ourselves without any trouble."—*From one of the well known growers in Jersey.*

Easiest to Erect

Stands Like a Rock



Casts Less Shadow

"Ask the Man Who Has One"

John Young Co., New York City, 54 by 561
Scott & Son, Sharon Hill, 5 houses, 25 by 166.
John N. May, Summit, N. J., Whole Range, 5-28-225.
E. W. Fengar, Irvington, N. J., 3 houses, 28 by 150.
G. F. Neipp, Chatham, N. J., 42 x 300.
C. E. Meehan, Holland, Pa., 50 by 300.
Florex Gardens, North Wales, 172 by 700.
John W. Young, Germantown, Pa., 2 houses, 35 by 300.

Why Not You?

KING CONSTRUCTION CO., NORTH TONAWANDA, N. Y.

A New Catalog

WE have just issued a catalog of pipe and fittings for florists. It is the only catalog of the kind published, and you should by all means get a copy and keep it handy. It gives you complete lists of steam and hot water heating materials, steam traps, cast iron and wrought pipe, valves, hose bibbs, rubber hose, etc. Don't forget to send for this book, 100 pages of information.

A postal request will bring it

John C. Moninger Co., Chicago

906 Blackhawk Street

A Better Water Supply

is what you will need when the dry, hot summer follows this long winter, and the best obtainable is a **Standard Pumping Engine** because it takes the water from the source of supply and puts it into the pipe line by *direct pressure.*

This is the simplest, most reliable and cheapest way of doing your watering.

Catalogue and more about it sent on request.

STANDARD PUMP & ENGINE CO.,
15 Michigan Street, CLEVELAND, OHIO

Write to us about your

Materials and Plans
for any size and style of
GREENHOUSE
for new structure or repairs.

Hot-Bed Sash
in stock or any size required.

Pecky Cypress Benches
most lasting—least expensive.

THE FOLEY MFG. CO.
Western Ave. and 26th St.,
CHICAGO.

A. HERRMANN

Manufacturer of Floral Metal Designs

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK

Office and Warerooms: 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

Greenhouse Material **Hot-Bed Sash**

of Louisiana Cypress and Washington Red Cedar

Greenhouse Hardware and Post Patent V and U Gutters.

OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT.

Write for Catalogue and Estimate when figuring on your new houses.

A. DIETSCH CO., 2638 Sheffield Avenue, CHICAGO, ILL

Please mention the Exchange when writing.

ANNOUNCEMENT

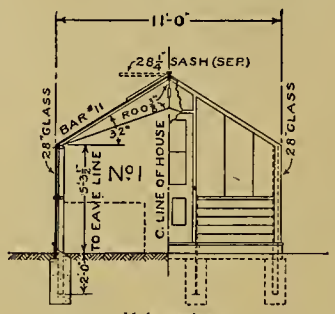
OUR ANNUAL SASH OFFER HAS BEEN EXTENDED TEN DAYS

As some of the trade felt we had not given them sufficient notice in the florist papers, so they could take advantage of the offer. It now stands good until March tenth.

LORD & BURNHAM COMPANY

SOME SEMI-IRON SECTIONS

(ALSO CALLED PIPE FRAME)

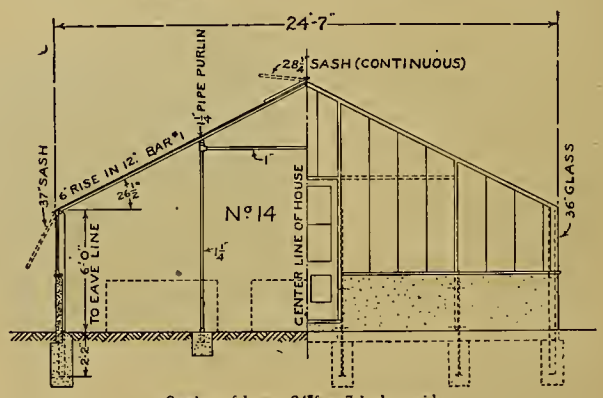


11 ft. section

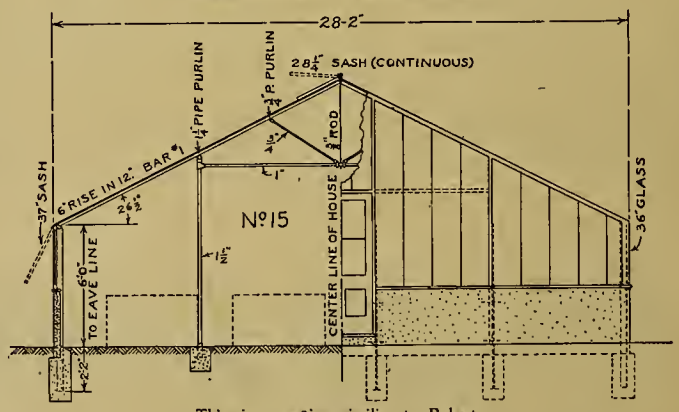
HERE they are, three of them, and you will find three more in the 1910 edition of the Handy Hand Book.

Next to the Sectional Iron Frame House, our Pipe Frame House is the house to build. It has Wrought Iron Posts, Galvanized Ice-Clearing Eaves and Sash Bar Clasps, Pipe Purlins, Pipe Columns, Cast Iron Foot Pieces; combination of purlins and cross ties making the famous Giant Arch.

Send for an estimate on your proposed house.



Section of house 24 feet 7 inches wide



This is a section similiar to Robert Craig & Sons' houses at Norwood, Pa.

LORD & BURNHAM COMPANY

IRVINGTON, N. Y.

NEW YORK St. James Bldg. | BOSTON Tremont Bldg. | PHILADELPHIA Heed Bldg. | CHICAGO The Rookery

Please mention the Exchange when writing.

THE AMERICAN CARNATION By Peter Bisset

Price $3.00. Send for Sample Pages

A. T. De La Mare Ptg. and Pub. Co., Ltd., 2 to 8 Duane Street, NEW YORK

NEXT WEEK **Spring Trade Number** THIS WEEK **HEATING An Easter Window**

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 11 NEW YORK AND CHICAGO, MARCH 12, 1910 One Dollar Per Year

Widener Hall M. A. C. Amherst MASS

SELECT FERNS

For Fine Store Trade

We offer a grand lot of exceptionally well-grown plants of the different varieties of

NEPHROLEPIS

which will be found one of the best-selling and most profitable plants that florists can handle. Our stock is in unusually fine shape, and we will guarantee it will please the most exacting, as it is exceptionally good value at the prices quoted.

Improved Elegantissima. The finest of all this type. It was introduced by us in 1905. This form of Elegantissima has been greatly improved, and shows no tendency to revert to the Boston, making it the most valuable fern of this type.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8-in., $12.00 to $18.00 per dozen—according to size.

Superbissima. Introduced by us in 1908. A very unique and distinct novelty. Its distinguishing characteristics are its dark green foliage and dense growth. Fronds are very heavily imbricated, making them very dense and compact.

Strong plants, 4-in. pots, $3.00 per dozen; 6-in., $6.00 to $9.00 per dozen—according to size; 8 in., $12.00 to $18.00 per dozen—according to size.

Bostoniensis, Piersoni, Whitmani, Scottii—Extra fine plants, 6-in. pots, $6.00 per dozen; 8-in. pans, $12.00 per dozen.

F. R. PIERSON CO. Tarrytown-on-Hudson New York

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

GRAFTED AND OWN ROOT ROSES

WHITE KILLARNEY (Waban Strain)

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.50 "	8.00 "	75.00 "

KILLARNEY

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

MY MARYLAND

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	6.00 "	50.00 "

RICHMOND, KAISERIN, BRIDES and 'MAIDS

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

CHRYSANTHEMUMS

For immediate delivery. **Mrs. W. E. Kelley, Gloria, President Taft, Polly, Merry Jene, Dolly Dimple.** From 2¼-in pots, **$10.00** per 100, **$90.00** per 1000.

We have a large stock of **Pecilic Supreme** and **Golden Glow** ready for shipment from 2¼-in. pots, **$3.00** per 100, **$25.00** per 1000.

BEDDING PLANTS

Coleus, Salvia, Alternanthera, Heliotrope, Ageratum. Now ready.
Send for catalogue

Please mention the Exchange when writing.

GRAFTED AND OWN ROOT ROSE PLANTS

KILLARNEY, RICHMOND, WHITE KILLARNEY (Waban Strain), **MY MARYLAND, RHEA REID, BON SILENE,** and **SAFRANO.**

EXCEPTIONALLY fine large plants of **Kaiserin,** grafted and own root, which, if planted early, would produce flowers early in the Summer, when there is a good demand for them. Have also a large lot of one-year-old dormant plants, suitable for out-door planting; **Killarney, Richmond, Rhea Reid, Bon Silene** and **Safrano.** Send for prices.

W. H. ELLIOTT

BRIGHTON, MASS.

Please mention the Exchange when writing.

HARDY POMPON CHRYSANTHEMUMS

Our collection is the largest and most complete in the country, $2.00 per 100, $18.50 per 1000

SPECIAL: One plant each of 100 varieties, $5.00

We have ready for immediate shipment—

	2-inch 100	2-inch 1000	3-inch 100
ALTERNANTHERA, Red and Yellow	$2.00	$18.50	$3.00
SWAINSONA, White	2.00		3.00
ALYSSUM, Dwarf and Giant Double	2.00	18.50	3.00
COLEUS, Golden Bedder and Verschaffeltii	2.00	18.50	3.00
GERMAN or PARLOR IVY	2.00	18.50	
LANTANAS, 5 Varieties	2.00	18.50	3.00
PETUNIAS, Dreer's Single Superb	2.00	18.50	3.00
PETUNIAS, Double Mixed	2.00	18.50	3.00
LOBELIA, Kathleen Mallard	2.00	18.50	3.00
LEMON VERBENAS	2.00	18.50	3.00
VERBENAS, Red, White, Pink and Purple	2.00	18.50	
GERANIUMS, Standard Varieties	2.00	18.50	3.00
GERANIUMS, Apple-Scented	2.00		3.00
IVY-LEAVED GERANIUMS	2.00	18.50	

DAHLIA and CANNA ROOTS: We are booking orders for next season; send for list for future or immediate shipment.

Cash With Order. Visitors Always Welcome.

COWENTON, B. & O. R. R. CHASE, PENN. R. R.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

Please mention the Exchange when writing.

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Ides of March Are Here

BEGONIAS

Single, separate colors..100..$2.50
Double, separate colors.100.. 4.00

GLOXINIAS. Heavy bulbs, separate colors .....100.. 3.50

TUBEROSES, 4 to 6, plump tubers .....1000.. 8.00

CALADIUMS, medium heavy... ..... 100.. 8.00

COMMERCIAL SWEET PEAS (Orchid-Flowered Varieties)

	¼ lb.	Lb.
Countess Spencer (true). A lovely clear pink	$0.25	$1.00
Gladys Unwin. Charming pale rose-pink	.20	.50
Nora Unwin. A magnificent white	.15	.50
Salvplan. Splendid brilliant scarlet, best of all	.10	.25
STANDARD VARIETIES		
Blanche Ferry. Pink and white	.10	.25
Dorothy Eckford. The finest standard white	.10	.35
Earliest of All. Re-Selected. Same color as Blanche Ferry, but a week earlier than the extra early type, fine for forcing	.10	.30
Emily Henderson. Purest white	.10	.20
Katherine Tracy. Brilliant pink	.10	.25
King Edward VII. Rich, deep crimson scarlet	.20	.75
Lady Grisel Hamilton. Pale lavender	.10	.40
Lovely. Shell pink, extra fine	.10	.25
Mont Blanc. An early-flowering white, for forcing	.15	.40
Othello. Dark chocolate red	.10	.25
Prima Donna. Deep pink, fine	.10	.25

WM. ELLIOTT & SONS
42 Vesey St., NEW YORK

Please mention the Exchange when writing.

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HILLEGOM—HOLLAND

Extra Dutch Bulbs Extra

We beg to inform the Trade, that our Messrs. K. H. and C. J. van Bourgondiën have again arrived for their annual trips through the United States and Canada.

It will be of the greatest advantage to every firm needing **A1 Bulbs** to correspond with us and give us a trial. Our many years of successful business in the United States, which every year has increased, clearly proves enough. Address until May 1, 1910

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HIGHEST GRADE ONLY

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Try The Following

CINERARIA—Extra Choice Mixed.
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PANSY—"Burnett's Gorgeous Strain."
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Blue List of Wholesale Prices mailed only to those who plant for profit.

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WINTER FLOWERING SWEET PEAS
ALL COLORS
SEND FOR LIST
ANTON C. ZVOLANEK, Bound Brook, N. J.

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F. E.—The Best Advertising Medium

Special Gladiolus Offer

AMERICA

A few points of merit—Color: A beautiful soft flesh pink, very light and much like "Enchantress" Carnation, except slightly tinged with lavender. Size: growth very strong and healthy, producing beautiful dark green foliage, and strong, erect spikes of the largest flowers. Purposes: For florists' use its color makes it everything to be desired; delicate, attractive and absolutely new. It is most desirable for planting in beds in parks, private estates, etc.

America. The best commercial pink in existence. 1st size bulbs, 100, $4; 1000, $30; 5000, $125.

Attraction. Deep, dark, rich crimson with a very conspicuous large pure white center and throat. At once a most beautiful and attractive sort. 100, $4.00; 1000, $35.00.

Augusta. Lovely pure white with blue anthers. 1½ to 2½ inches. 100, $2.25; 1000, $20; 5000, $80.

Blue Jay (Baron Hulot). The finest blue Gladiolus yet seen. It is a rich deep color of indigo shade. The only real blue Gladiolus on the market. 100, $9.00; 1000, $76.00.

Brenchleyensis. Extra fine red variety. 1½ to 2½ inches. 100, $1.50; 1000, $12.00; 5000 $55.00.

Columbia. Light orange scarlet, freely blotched and penciled with bluish-purple. Throat freely mottled. 100, $2.00; 1000, $15.00; 5000, $70.00.

Cerea. Pure white, spotted with purplish rose. 100, $1.50; 1000, $12.00; 5000, $55.00.

May. A lovely pure white flower, finely flaked, bright rosy crimson. 100, $2; 1000, $15; 6000 $70.

Nezinscott. Bright blood scarlet, with deep velvety crimson black blotches, and white mottlings in throat. 100, $4.00; 1000, $30.00; 5000, $146.00.

Princepe. Rich crimson with very deep shadings in the throat and broad blotches on lower petals. 100, $10.00.

Salem. Fine salmon-pink, maroon blotches. 100, $6.00; 1000, $40.00.

Sulphur King. The finest yellow Gladiolus. 100, $15.00; 1000, $140.00.

Gladiolus America

GLADIOLUS IN MIXTURE

	100	1000	5000
Trial Grounde Mixture	$1.50	$10.00	$45.00
Groff's Hybrids Mixture	1.50	12.00	58.00
White and Light Mixture	1.50	12.00	58.00
Pink and Rose Mixture	1.50	12.00	58.00
Red and Scarlet Mixture	1.50	12.00	58.00
Lemoine's Extra Fine Mixture	1.00	10.00	45.00
American Hybride Mixture	1.00	8.00	35.00
Childsii Mixture	1.50	12.00	58.00

Stumpp & Walter Co. 50 Barclay St. New York

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Surplus Peas and Beans

18 Bush. Peas, Telephone; Crop 1908.
4 Bush. Beans, Golden Wax; Crop 1908.
2 Bush. Beans, Wardwell's Kidney Wax; Crop 1908.
4 Bush. Beans, Refugee, or 1000 to 1; Crop 1908.
2 Bush. Beans, Wardwell's Kidney Wax; Crop 1909.
6 Bush. Beans, Detroit Wax; Crop 1909.
2 Bush. Beans, Ex. Ey Rd. Pod Red Valentine; Crop 1909.
2 Bush. Beans, Refugee, or 1000 to 1; Crop 1909.
2 Bush. Beans, Burpee's Bush Limes; Crop 1909.

A. V. D. SNYDER, Seedsman, RIDGEWOOD, N. J.

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HOLMES' SEEDS . .

Our illustrated catalog will tell you all about the BEST TESTED SEEDS for the PRIVATE or MARKET GARDENER. We make a specialty of supplying seeds for the most critical trade. Send for our catalog at once and send us your list for special quotations.

HOLMES SEED CO.
Harrisburg, Pa.

Please mention the Exchange when writing.

THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

SHAMROCK

IRISH! THE REAL THING!! GREEN!!!

Very fine and strong, ready for immediate shipment, perfect beauties; $3.00 per 100; 50c. per doz., postpaid.

XXX STOCK

LOBELIA Mallard, the new double blue, XXX fine, $2.00 per 100.

ROSE GERANIUMS, strong, 3-in., 50c. per dozen.

ROSE GERANIUMS, new red-flowering, extra fine and showy; strong plants, 3-in., 50c. per dozen.

VERBENA California Giant, strong and fine, mixed colors, 2-in., $1.50 per 100.

HELIOTROPE, dark, extra strong and bushy, 2½-in., $3.00 per 100.

NASTURTIUMS, Double, extra fine, 3-in., 50c. per doz.

XXX SEEDS

GIANT PANSY, finest grown, critically selected 6000 seeds $1.00, ½ pkt. 50c., oz. $2.50.

CHINESE PRIMROSE, finest grown, single and double, 500 seeds $1.00, ½ pkt. 50c.

PRIMULA Kewensis, the grand, new, sweet-scented, Yellow Primrose, pkt. 20c.

CINERARIA, large flowering dwarf mixed, 1000 seeds 50c., ½ pkt. 25c.

CASH. Liberal extra count.

JOHN F. RUPP, Shiremanstown, Pa.
RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
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37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

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Do You Need

Cycas Stems

(Sago Palm)

TRUE LONG-LEAVED VARIETY

Pounds	Per pound
10	10c.
25	8c.
100	7½c.
300 (case)	$21.00

Stems are graded in cases, as follows: ½ lb. to 2 lbs.; 2 lbs. to 5 lbs.; 5 lbs. to 10 lbs.

TUBEROUS BEGONIAS

LARGE PLUMP BULBS FROM A PRIZE STRAIN

	Doz.	100	1000
SINGLE MIXED	$0.35	$2.00	$18.00
SINGLE SEPARATE COLORS	.40	2.25	20.00
DOUBLE MIXED	.50	3.50	33.00

GIANT GLOXINIAS

	Doz.	100	1000
CHOICE MIXED	$0.50	$3.25	$30.00
SEPARATE COLORS	.60	3.50	33.00

Write for our Wholesale Bulb List.

JOHNSON SEED COMPANY

217 Market St., Philadelphia, Pa.

Please mention the Exchange when writing.

Seasonable Seeds

CALADIUM esculentum, Fancy Caladium from Brazil. GLADIOLI, all sorts. Japan IRIS. Japan LILIES. Double-flowering CHERRIES for Easter. Send for our new Spring list. Ready by January 10.

H. H. BERGER & CO.

70 Warren St., New York City

Please mention the Exchange when writing.

HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Stock Seed

Fiske's Branching in all colors. Tr. pkt. 40c., oz. $4.00. Pure White, tr. pkt. 50c., oz. $5.00. Also Beauty of Nice strains.

H. E. FISKE SEED CO., Boston, Mass.

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S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

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Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C.

Trade Mark **American Spawn Co., St. Paul, Minn.**

Please mention the Exchange when writing.

FRESH TESTED

VEGETABLE AND FLOWER SEEDS for Store Trade

in lithographed packets, with directions for cultivation on the reverse side of the packet. *Send for list of varieties and prices.*

GOELLER BROS., Seedsmen,

159 HAMILTON AVE., TRENTON, N. J.

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GET QUOTATIONS FROM

LANDRETH SEEDS which SUCCEED

Bloomsdale Farms **Bristol, Pa.**

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MICHELL'S SEEDS GIVE RESULTS

1018 & 518 MARKET STREET.

PHILADELPHIA, PA.

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SCHLEGEL & FOTTLER CO.

BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

New Double Lobelia

"KATHLEEN MALLARD"

We can furnish excellent plants of this splendid novelty in 2½-inch pots, at $6.00 per 100, or $50.00 per 1000.

RAWSON'S LEADING ASTERS

QUEEN OF THE MARKET ASTER

This is the best early out-of-door Aster. In colors as follows: Dark Blue, Light Blue, White, Rose, Peach Blossom, Crimson, per ¼ oz., 20c.; per oz., 60c. All colors mixed, per ¼ oz., 15c.; per oz., 50c.

RAWSON'S NEW MIDSUMMER ASTER

This is one of the best Asters for Midsummer or late crop and we recommend it highly. Flowers are large and are borne on erect long stems, often 2 feet in length. We offer the following colors: Pure White, Delicate Shell-Pink, Royal Purple, True Lavender, and Bright Rose, per ¼ oz., 60c.; per oz., $2.00. All colors mixed, per ¼ oz., 50c.; per oz., $1.50.

RAWSON'S LATE BRANCHING ASTER

This is the best American Branching Aster grown to-day. It is a late cropper and a money-maker. Flowers grown from our seed invariably bring from ½ to 1c. a flower more in the wholesale market than other similar strains. We can furnish the following separate colors: Crimson, Dark Blue, Light Blue, Rose Pink, Shell-Pink, Scarlet, and White, per ¼ oz., 30c.; per oz., $1.00. All colors mixed, per ¼ oz., 25c.; per oz., 75c.

We have many other good strains of Asters and specialties for Florists all described in our special catalogue to florists (mailed free).

W. W. RAWSON & CO., SEEDSMEN BOSTON, MASS.

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The book of WATER GARDENING

By PETER BISSET. Price, postpaid, $2.50.

A. T. De La Mare Ptg. & Pub. Co. 2 to 8 Duane St. New York

F. E.—The Best Advertising Medium.

AMERICAN SEED TRADE ASSOCIATION

President J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec. Leonard H. Vaughan, Chicago.

IMPORTS, SEEDS, ETC.—Feb. 28.—R. J. Godwin's Sons, 1 case plants. Mar. 1.—Kennedy & Moon, 51 packages seeds, Vaughan's Seed Store, 5 barrels seeds. Mar. 2.—Reed & Keller, 3 crates plants. Mar. 3.—J. M. Thorburn & Co., 4 barrels garden seeds; H. F. Darrow, 30 cases plants;; H. F. Darrow, 62 packages seeds; Davies, Turner & Co., 1 case plants; Hutchinson & Co., 10 cases seeds; McHutchison & Co., 5 cases plants; A. Rolker & Sons, 17 cases plants; C. B. Richard & Co., 8 cases plants. Mar. 4.—American Express Co., 17 cases bulbs; H. F. Darrow, 4 bags flower seed; H. F. Darrow, 12 bags seed; P. Henderson & Co., 10 bags garden seed; New Jersey Central R. R., 78 bags garden seed; O. G. Hempstead & Son, 27 cases plants; F. B. Vandegrift & Co., 20 bags tree seeds and 15 cases plants; C. B. Richard & Co., 8 cases plants; W. R. Huntington, 99 packages plants; Star Union Line, 25 cases plants; W. Elliott & Sons, 18 cases plants; W. Elliott & Sons, 20 cases plants; H. F. Darrow, 19 cases plants; Downings Am. Desp., 15 bags garden seed; Vandegrift & Co., 18 bags garden and flower seeds and 3 cases bulbs; American Express Co., 325 Cases trees, shrubs and bulbs; M. D. T. Co., 6 cases plants; J. W. Hampton Jr. & Co., 2 cases plants; H. F. Darrow, 2 cases bulbs; W. Elliott & Sons, 1 case bulbs; McHutchison & Co., 3 cases plants. Mar. 5 and 6.—C. C. Abel & Co., 29 cases plants; Maltus & Ware, 6 cases plants; Amerman & Patterson, 15 cases plants; F. B. Vandegrift & Co., 26 cases plants; American Express Co., 2 packages bulbs; F. B. Vandegrift & Co., 11 bags seed; J. M. Thorburn & Co., 3 packages seeds; P. Henderson & Co., 5 bags seeds; United States Express Co., 2 cases plants; T. L. Hopkins & Co., 2 bags seeds; Vaughan's Seed Store, 1 case plants.

European Notes

Warm, wet and stormy, only more so; that summarises but does not summerize the position. [Mr. Editor, the joke is not ill-timed, although our brains, like our fields, are well-nigh waterlogged, and that, as you will admit is no joking matter.]

It is really remarkable how much bright sunshine the weather king manages to sandwich in between the storms; as a result our Primulas, Cinerarias and Cyclamens are at their very best nearly two weeks before the usual time, while our Spring-flowering plants in the open

"Horseshoe Brand" Products

"NOT HOW CHEAP— BUT HOW GOOD"

If you see a pile of empty Lily Bulb boxes stencilled "Horseshoe Brand" in a grower's back yard, it is an indication that he buys the best the market affords. You will find good quality within, and it is a safe place to buy. It gives the grower a reputation for buying the best the market affords. "Horseshoe Brand" Giganteums are produced from the choicest seed-bulbs in the world. They will produce the best average in quantity and quality of flowers of any brand known. Write or call.

RALPH M. WARD & CO.

12 West Broadway—New York

Please mention the Exchange when writing.

Vaughan's Spring Bulbs

TUBEROSES

	Per 100	Per 1000
Excelsior Pearl. First size	$1.00	$8.50
" " Mailing size	.50	3.50
Armstrong. Everblooming.	1.80	16.00
Variegated-Leaved	1.15	10.00
Albino	1 25	11.00

GLADIOLUS

	Per 100	Per 1000
America	$3.50	$30.00
Augusta	1.75	15.00
Brenchleyensis	1.45	10.00
Ceres	1.45	12.50
Eugene Scribe	3.50	
Emma Thursby	2.50	
Isaac Buchanan	4.00	
Jessie	1.75	14.50
Madam Monerel	2.25	20 00
May	1.75	14.00
Mrs. Francis King	3.00	28.00
Princeps	9.00	
Reine Blanche	2.50	
Shakespeare	4.25	40.00
Red and Scarlet Shades	1.30	11 00
Scarlet White Throat	2.00	18.00
Striped Shades	2.75	22.00
Pink Shades	1.50	13.00
Yellow Shades	3.50	

MIXTURES

	Per 100	Per 1000
Rainbow Mixtures	$2.75	$25.00
Vaughan's XXX Florist Mixture	1.75	15.00
Seeding Mixture	1 50	12.00
Extra Fine Mixed	2 00	18.00
Vaughan's Fancy Mixture	3.50	30 00
Childsii Mixed	2.00	18 00
Good Mixed	.85	7.00

NEW and RARE CALLAS

	Per doz.	Per 100
Elliottiana. Giant yellow	$2.00	$19.00
Cinnamon Vine. Mailing size		2.00
Cinnamon Vine. Large "		2.75
Chlidanthus Fragrans.		4 00

		Per doz.	Per 100
Mikado Fern Ball.	5 in.	$2.00	$15.00
	7/9	3.00	20 00

	Per 100	Per 1000
Madeira Vine.	$1.25	$10.00
Montbretias.	1.50	10.00

ROOTS

	Per doz.	Per 100	Per 1000
Dahlias. Assorted colors undivided clump	$1.25	$8 00	
Cannas Mixed		1.25	$8.00
Dicfyra, Bleeding Heart.	1 00	7.00	
Valley Clumps	3.00	20 00	

GLOXINIAS

	Per 100	Per 1000
Separate Colors	$3.25	$30 00
Mixed Colors	2 85	26.00

Excelsior Pearl Tuberose

CALADIUMS

	Per 100	Per 1000
Size 5 to 7 inches	$2 00	$17.00
Size 7 to 9 inches	3.00	28.50
Size 9 to 11 inches	6.00	55.00
Size 12 inches up	14 00	

HARDY LILIES

	Per 100
Auratum. 8 to 9 inches	$5.25
9 to 11 inches	9 00
Album. Pure white, very fragrant, 8 to 9 inches	7.25
9 to 11 inches	12.00
Rubrum or Roseum. 8 to 9 inches	5 25
9 to 11 inches	8.00
Melpomene. 8 to 9 inches	6 00
9 to 11 inches	8.00
Canadense Drooping bell shaped, yellow flowers	4 50
Elegans. Bicolor	5.50
Superbum. Orange with purple spots	5 00
Tenuifolium. (Siberian Lily.) Flowers scarlet	5 50
Tigrinum Simplex. Single Tiger Lily	2.75
Tigrinum Splendens. Improved Single Tiger Lily	2.75
Tigrinum Fl. Pl. Double Tiger Lily	4.00
Umbellatum	5.50
Philippensis	15.00

AMARYLLIS

	Per doz.	Per 100
Belladonna Major	$1 50	$11.00
Burbank's Vittata Hybrids.	5.00	
Johnsonii. 7 to 9 inches	2 25	15.00
9 to 11 inches	3 00	20.00
Formosissima	.65	4.00

BEGONIAS

	Per 100	Per 1000
Single—White, Yellow, Scarlet, Pink	$2.50	$22.00
Double—White, Yellow; Scarlet, Pink	4.50	40.00

	Per doz	Per 100
Cardinal	$2 00	$14 00
Lafayette	1.50	10 00
Graf Zeppelin	1.25	8.00
Cristata	1 50	10.00

OXALIS

	Per 100	Per 1000
Oxalis. Pink	$0 30	$2.75
Oxalis. White	.30	2 75
Oxalis. Red	.30	2.75
Resurrection Plants	3.00	25.00
Richardia Alba Maculata. Spotted Calla, choice stock	3.25	30.00

TIGRIDIAS

	Per doz.	Per 100
Conchiflora. Yellow spotted red	$0.45	$3.00
Grandiflora Alba. White with red spots	.45	3 00
Speciosa. Scarlet.	.45	3 00
Canariensis. Yellow spotted scarlet	.45	3.00
Mixed Colors	.40	2.75

ZEPHYRANTHUS

	Per doz.	Per 100
Candida	$0.35	$2.00
Rosea	.40	2.50

We can supply Everything in Dormant Shrubbery, Roses and Hardy Perennials

Write for Special Prices on Large Quantities
Book for Florists, Spring Edition, now Ready

VAUGHAN'S SEED STORE

NEW YORK
25 Barclay St.

CHICAGO
84-86 Randolph St.

Please mention the Exchange when writing.

ground, where not buried under water, are leaping into life as if anxious to be on hand to charm us, as usual, in the Easter holidays.

As regards Primulas, the only distinct novelty seen thus far is a salmon-tinted scarlet with a very large brown shaded eye. It would be very effective if the foliage were made of black velvet, but on the bronzy green leaf the color is flat and it will only rank with flowers of the Duchess type. Cinerarias are hardly at their best at present and must be reserved for further and fuller notice later on.

Cyclamen have never been grander than they are this season and as the plants are exceptionally vigorous a good crop of seed may reasonably be expected.

The new salmon shades are steadily winning their way in popular favor and they have been so much improved of late both in form and size, as to be worthy to rank with the finest of the grandiflora section. Of the fringed varieties, the white is the most worthy of commendation; the enclosed life size photo will show how true this is. [A reproduction of this white fringed Cyclamen will be found in another column.] The "freak" section is justly neglected.

EUROPEAN SEEDS.

P. S.—It is hardly necessary to say that the impassé with the Radish and Spinach growers still blocks the way to business.

Spring Trade Edition

Will be issued

next Saturday, March 19

The wide awake Advertiser acquainted with the value of our columns requires no additional advices from us.

American Notes

Another Busy Week

The seedsmen throughout the entire country have had a very busy week; night work is now a regular feature in the trade, and even with the additional hours given to filling orders it seems well nigh impossible to get the seeds out fast enough. When the real warm days do come the rush will be terrific, as every user of seeds seems imbued with a fixed determination to supply his needs early this year. Seed buyers fully realize that seeds are in shorter supply than for many seasons. The problem of extra hands for the rush season is always a very difficult one to arrange, but not in years has it been, apparently, so difficult to obtain satisfactory people to help out the regular force. The seed business needs skilled employees in its every branch, and as in the rush season fully twice as many or more orders are every day received than can be properly taken care of, unless extra help is employed, we yearly have this short-handed situation to face. To single out any particular line of the trade for special mention as regards activity would be superfluous, as on all sides everyone is simply working to the limit of endurance.

Sweet Peas and Nasturtiums

Every dealer, when arranging for his stock of flower seeds, should supply himself with a quantity of bulk seed of the better mixtures of Sweet Peas, and both the tall and dwarf growing Nasturtiums. No matter how limited a dealer's trade in flower seeds may be, and even if he is starting the same for its first season, Sweet Peas and Nasturtiums will always find purchasers. It is almost unbelievable to what an enormous extent the output of these staple varieties of flower seeds has developed during the last few years. The writer, only a few days since, was speaking of this matter of ever-increasing Sweet Pea sales with the manager of a large Eastern seed house, and the fact was brought out that from a few hundred pounds of Sweet Peas a year, the firm in question has steadily kept increasing their sales in this direction, until this season will see an output of several thousand pounds against hundreds only a comparatively few years back. Yes, Sweet Peas and Nasturtiums are the most popular and largest quantity sellers in flower seeds, and should be very prominently pushed.

The Eschscholtzias

During the last few seasons it has been very noticeable that the Eschscholtzias (California Poppies) have wonderfully increased in popularity. Many seedsmen have made specialties of certain varieties, until at the present time they can certainly be considered as among our most desirable and fast selling annual flower seeds. There are many fine sorts that can be utilized to great advantage in making up flower seed collections, among them Golden West, The Mikado, Thorburni, Crimson King, and Dainty Queen. Being of the easiest culture the Eschscholtzias always give satisfaction, blooming as they do, from Spring-sown seeds, all Summer long. They will be found a most satisfactory flower seed to sell freely. V.

New York Seed Trade

At last the weather has turned pleasant and quite Spring-like, and the seed business has jumped accordingly. Orders, in every branch, are much heavier than last season. It is to be a year, as expected, of early buying. All the seedhouses here could, to great advantage, keep busy more employees, but skilled labor is very difficult to obtain. A great seed-selling season is fairly started.

The Stumpp & Walter Co. is meeting with unexpected success in its sales of 5-cent packets (retail) of vegetable seeds, to dealers. The assortment being sent out consists of 300 packets, made up very carefully to meet the requirements of the average country store; but should any dealer fail to sell the assortment entirely out, he has the privilege of exchange for any varieties that may be especially salable in his locality. This vegetable packet seed-selling plan should become very popular, as the dealer takes no risk whatever, of carrying dead stock over to another year.

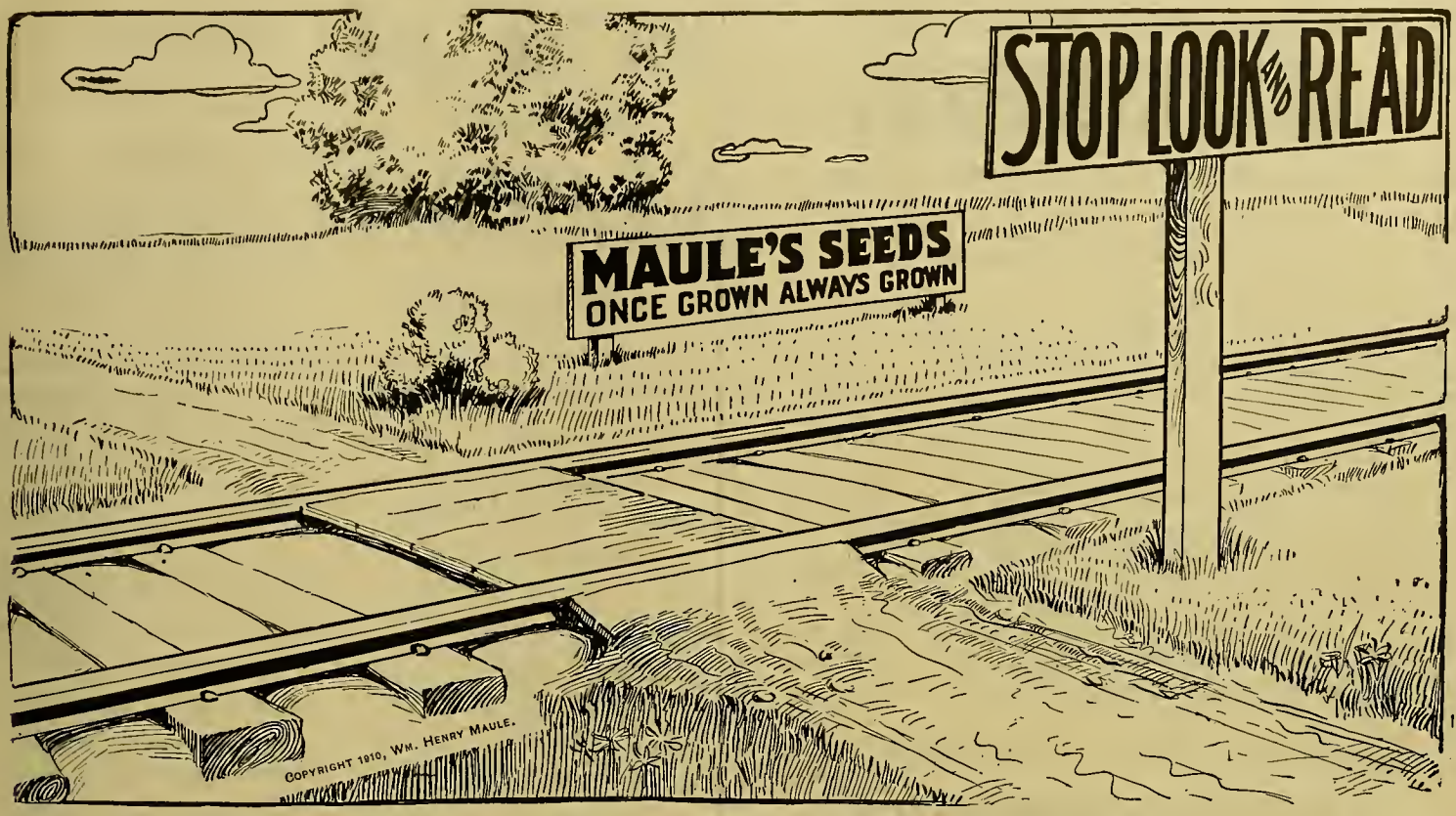
Vaughan's Seed Store has been disposing of unusually large quantities of the various brands of Mushroom spawn. Its customers for this item have very much appreciated an explanatory leaflet —"How to Grow Mushrooms."

McHutchison & Co. have been handling an unusually large quantity of raffia the past few weeks. The demand for this item is larger than in many seasons.

At Boddington's orders are coming in fast, but the large force is keeping things moving in good shape. Shipments of Canna bulbs have been made this past week to England and Holland. The special offer of the house on Roses is taking well. Mr. Bunyard is very much pleased with the Sweet Pea sales, especially of the newer varieties; it certainly looks like another great year for this favorite flower. Plenty of night work is in order.

C. McTaggart, for many years with J. M. Thorburn & Co., has established himself as a seedsman and florist, at 123 Warren st., near West st. Mr. McTaggart will carry, besides seeds, bulbs, and plants, a full line of garden tools, fertilizers, insecticides, lawn mowers, etc.

Burnett Brothers report an unusually large number of orders being received from the private trade.



MAULE'S SEEDS

Once Grown Always Grown

Few gardeners have any idea of the size of the Maule Seed business. To one firm of celery growers I have sold in the last five years over 1,000 pounds of my XX Golden Self-Blanching Celery seed; this year I have already shipped them 200 pounds for their own planting. To another gardener I shipped last year $550 worth of Maule's Prize Earliest Cauliflower; this year I am getting $100 per pound for this seed. In one county in New York last season I sold almost 1,000 pounds of my selected Danish Ballhead Cabbage. One of my customers last year cleared up $3,375 net on 15 acres of Maule's Earliest Valentine Beans; another made $9,000 net profit on a 50-acre field of White Bush Squash; another, on 300 acres on an Island in the San Joaquin River, in California, made a net profit of $92,000 on Maule's XX Golden Self-Blanching Celery. In the small town of Sunnyside, Wash., I shipped last year direct to growers 110 pounds of Maule's Earliest of All Tomato seed, while in a small town in Texas, with a population of 25, more than $3,000 worth of Maule's Seeds are annually consumed.

I will be glad to send my Seed Book for 1910 to every reader of Florists' Exchange who will send me their address on a postal.

Other facts are that in the last five years I have paid the U. S. Government $214,898.07 in cash for postage. For years I have received more registered letters at the Philadelphia Post Office than any other Philadelphia seed house. In my home State of Pennsylvania alone I have 67,801 customers, fully 15,000 more than any other seed house in the country. During the late Boer War more cases of Maule's Seeds, bound for the Transvaal, were held up by the British Army than of any other seedsman, whether French, German, English or American. These facts may prove of interest to readers of the Florists' Exchange who do not know Maule. Maule's Seeds have today a reputation surpassed by none, equaled by few, and as you can get

Your Money Back if Not Satisfied

you need this book in your business. Send me a postal today and put money in your pocket.

WM. HENRY MAULE, 1760 Filbert Street, Philadelphia, Pa.

CANNAS

F. O. B. New York or Chicago For Immediate Delivery

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business. **Stock Unequalled.**

RED-FLOWERING CANNAS

	100	1000
Louisiana, height 7 ft.	$1.75	$15.00
A. Bonvier, 5 ft.	1.50	14.00
Beante Poitevine, 3½ ft.	2.00	17.50
Black Prince, 3 to 4 ft.	2.25	20.00
Chas. Henderson, 4 ft.	1.75	15.00
J. D. Eisele, 5 ft.	1.75	15.00
Exp. Cramphell, 6½ ft.	1.50	14.00
Pres. McKinley, 2½ to 3 ft.	1.50	14.00

RED, GOLD-EDGED AND SPOTTED SHADES

Gladiator, 4 ft.	2.75	25.00
Cinnabar, 4½ ft.	1.75	15.00
Indiana, 3 to 4 ft.	1.75	15.00
Queen Charlotte, 3½ ft.	2.25	20.00
Mad. Crozy, 5½ ft.	2.25	20.00
Premier, 2½ ft.	2.00	17.50
S. de A. Crozy	2.75	25.00

PINK SHADES

Louise, 5 ft.	2.00	17.50
Mlle. Berat, 4½ ft.	1.75	15.00

YELLOW SHADES

	100	1000
C. de Bonchard, 4½ ft.	$2.00	$17.50
Florence Vaughan, 6 ft.	2.50	20.00
L. E. Bailey, 4½ ft.	2.75	25.00
Richard Wallace, 4½ ft.	2.75	25.00

WHITE AND CREAM SHADES

Alsace, 3½ ft.	1.75	15.00

BRONZE-LEAVED, FLOWERING CANNAS

Brandywine, 4 to 5 ft.	2.00	17.50
Black Beauty, 5 ft.	2.75	25.00
Egandale, 4 ft.	1.50	14.00
King Humbert, 4 ft.	3.25	30.00
Musafolia, 6 ft.	2.75	25.00
Pillar of Fire, 6 to 7 ft.	2.25	20.00
Shenandoah, 6 ft.	1.75	15.00

ORCHID-FLOWERING CANNAS

Austria, 6 ft.	1.25	12.00
Italia, 4½ ft.	1.75	15.00
Kronus, 5 ft.	1.75	15.00
Mrs. Kate Gray, 6 ft.	1.75	15.00
Pennsylvania, 6 ft.	1.75	15.00
Wyoming, 7 ft.	2.75	25.00

Our Cannas are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at 1000 rate. It is cheaper for you to buy a box than 200 at 100 rate.

Chicago and Western Agents for Our Cannas **Winterson's Seed Store**
45-47-49 Wabash Ave., CHICAGO, ILL.

ARTHUR T. BODDINGTON
SEEDSMAN
342 West 14th Street, NEW YORK CITY, N. Y.

Please mention the Exchange when writing.

CANNAS

Our own home-grown stock is true to name. Extra Selected, plump, sound, 2, 3, 4-eyed roots.

	Per 100		Per 100
Austria	$1.20	M. Washington	$2.25
Allemania	1.20	Mont Blanc	4.50
Alba Rosea	1.20	McKinley	1.40
Alph. Bouvier	1.50	Mrs. K. Gray	1.50
Alsace, white	1.50	Niagara	2.50
B. Poitevine	1.75	Papa Nardy	2.00
Buttercup, new	1.50	Pennsylvania	1.50
Black Prince	1.80	Premier, gold ed	1.75
Black Beauty	2.50	Pres. Meyers	2.00
Brandywine	2.00	Queen Charlotte	2.00
Chas. Henderson	1.50	R. Wallace	2.50
Crimson Bedder	2.00	Robusta, red	1.50
D. of Marlboro'	2.00	So. d'A. Crozy	2.25
Egandale	1.50	Shenandoah	1.75
Express, dwarf	2.00	Sec. Chabanne	2.00
Flor. Vaughan	1.80	Venus, new	3.00
Gladiator, new	2.25	Wm. Saunders, new	10.00
Italia	1.75	West Grove	1.80
King Humbert	4.50	Wm. Boffinger	1.50
Louise, pink	1.30	Sep. colors mix.	1.00
Louisiana	1.50	All kinds mxd.	.70
Mad. Crozy	2.00		

CALADIUM Esculentum (Elephant's Ears).

	Doz.	100
6-8 in. circumference	$0.25	$1.75
8-10 in. circumference	.50	3.50
10-12 in. circumference	.75	5.50

TUBEROSES, Dwarf Pearl, 1st size, $7.50 per 1000, 80c. per 100; 2nd size, $4.50 per 1000, 60c. per 100.

GLADIOLUS Gandavensis, light shades, all colors mixed, 75c. per 100.

SHELLROAD GREENHOUSES, Graoge, Baltimore, Md.

Please mention the Exchange when writing.

Gladioli

Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck, Pactole, white and light yellow and orange and Mixtures.

LILIES, IRIS, MADEIRA VINES, CINNAMON VINES and other bulbs for Spring planting.

Send for prices.

E. S. MILLER
WADING RIVER, LONG ISLAND, N. Y.

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

CANNAS

KING HUMBERT, CHAS. HENDERSON, EX. CRAMPBELL, MAD. CROZY, ALPHONSE BOUVIER, MLLE. BERAT, FLORENCE VAUGHAN, SOUV. DE ANTOINE CROZY.

Write for special prices, stating quantity wanted.

FRESH TOBACCO STEMS. Bale of 300 lbs. $1.75; Ton $9.00.

W. C. BECKERT
SEEDSMAN
103 Federal St., N. S., Pittsburg

Please mention the Exchange when writing.

Started Cannas At $2.00 per 100

Austria, Chas. Henderson, Mlle. Berat, Allemania, Cinnabar, Red Indian, Pennsylvania Beaute Poitevine, Egandale, Robusta, Florence Vaughan and A. Bouvier.

J. B. SHURTLEFF & SON
Revere, Mass.

Please mention the Exchange when writing.

GLADIOLUS

ISAAC BUCHANAN. In sizes, No. 1, 2, 3, 4 and 5, at special prices, in lots of five to ten thousand, for cash with order. Also, No. 2 and 3, SILVER TROPHY and GROFF'S HYBRIDS, The John Fay Kennell stock.

Mrs. EMMA J. KENNELL,
CHILI, N. Y.

Please mention the Exchange when writing.

60,000 GLADIOLUS BULBS

¾ to 1¼ at $2.00 per 1000, 1¼ to 1½, $4.00 per 1000, 1½ and up, $5.00 per 1000. Mixed Colors Gandavensis and Lemoine. All kinds of Vegetable Plants. Contract growers of Tomato and Pepper Seed, and Asparagus Roots.

I. & J. L. LEONARD, Iona, N. J.

Please mention the Exchange when writing.

Not Too Late

TO PLANT

GLADIOLI

FOR FORCING

Booklet containing suggestions on *Forcing Gladioli* free on request

John Lewis Childs
Floral Park, N. Y.

Please mention the Exchange when writing.

Philadelphia Seed Trade

The many friends of A. E. Brown, the well-known cashier at the W. Atlee Burpee & Co.'s establishment, will regret to learn of the death of his mother, on March 6, at his home in Wyncote, Pa.

The Henry F. Michell Co. is making quite a feature of the Uncle Jonathan heads, many of which have grass growing where ordinarily hair should be. These heads are becoming more and more popular with the public every year. This house has been doing a fine mail order trade, especially in Aster seed, the quality of which is well known.

Walter P. Stokes has had a very fine electrical display sign suspended over his store so that customers, for a long distance up and down Market st., can locate "Stokes Seed Store" by a view of the garden seed sign.

The store of Henry A. Dreer is a hive of industry these days, and customers are daily lined up in front of the counters. Garden tools, as well as seeds and plants are in active demand, and the supply is enormous this year.

The Johnson Seed Co. is busy with the inquiries and sales on Cyphers incubators, for which this concern is agent.

The sympathetic strike in this city, which was inaugurated on Saturday last, has not, we are assured, affected the seed business in any way whatsoever, and deliveries are being made with regularity and on time just as though no trouble existed. Customers of Philadelphia houses need have no hesitation in placing their orders as usual. There is too much of the sensational in even the most conservative of the daily papers in the effort to publish (and often magnify) the most minute details of occurrences, and it has been much that way in the present instance. There would be no necessity to mention this strike were it not that possibly some ultra cautious buyer, misled by glaring headlines, might be impelled to order goods elsewhere while the strike continues.

Burpee's Prize Supplement for 1910

Burpee's Prize Supplement, just published, furnishes interesting reading. For many years W. Atlee Burpee & Co. have authorized the secretaries of every State Fair in the United States to offer a cash prize of twenty dollars for the best collection of vegetables grown from Burpee's seeds. Every County Fair, in like manner, has also had placed at its disposal a prize of five dollars for the best display of the products (vegetable or flowers) of Burpee's seeds. Prizes are also offered for photographs of the prize-winning exhibits, many of which are reproduced in connection with descriptions of what was done last Fall throughout the country at the State and County Fairs in these Burpee competitions. Another feature of the Supplement, is the report in full detail, of the prize awards made for photographs and descriptions from customers, on the Burpee Novelties of 1909. Of the ways in which to do effective advertising there are many; the Burpee prize offering idea, as above, is among the leaders and educational as well.

J. BOLGIANO & SON

WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS

BALTIMORE, MD.

Please mention the Exchange when writing.

ONION SEED==ONION SETS

We are large growers of and dealers in Onion Seed and Onion Sets.

Write for prices on 1909 crop.

Can also quote contract prices for the 1910 Onion Seed crop.

SCHILDER BROS., Chillicothe, O.

Please mention the Exchange when writing.

CABBAGE

Wakefield and Succession, $1.50 per 1000.
BEET Plants, $1.25 per 1000.
PARSLEY, 25c. per 100, $1.25 per 1000.
LETTUCE, Big Boston, Boston Market and Grand Rapids, $1.00 per 1000.
Cash with order.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

Please mention the Exchange when writing.

CAULIFLOWER CABBAGE SEED

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

ASTER SEED

SMITH'S PEERLESS

Also a good line of the Late Branching Type for Florists and Market Gardeners.

Catalogue Free.

ELMER D. SMITH & CO.
ADRIAN, MICH.

Please mention the Exchange when writing.

EVERY FLORIST WHO GROWS ASTERS

Should Send for Our Aster Book Immediately

Get your name on our files for our regular **Florists' Wholesale Catalogue.** These books are free.

JAMES VICK'S SONS
ROCHESTER, N. Y.

Mention this paper

Please mention the Exchange when writing.

Famous Aster Lady Roosevelt

Gorgeous Pink, 20 to 40 inch stems, scientifically grown and separated seed. Reduced prices while the stock lasts, order today: ⅛ oz. 40c., ¼ oz. 75c., ½ oz. $1.60, 1 oz. $2.60.
Aster Seed in mixture, best colors, and ¼ Roosevelt. Oz. $1.00.

GLEN MAWR SEED FARMS, Kinzers, Pa.

Please mention the Exchange when writing.

SPRING BULBS

Tuberoses

EXCELSIOR PEARL—

	Per 100	1000
Monsters	$1.25	$12.00
No. 1, large	.90	8.00
No. 2	.60	5.50

Tuberous Begonias

	Per doz.	100	1000
Single Mixed	$0.30	$2.25	$22.00
Separate Colors	.35	2.50	23.00
Double Mixed	.50	4.00	37.00
Separate Colors	.60	4.25	38.00

Gladiolus

FLORACROFT MIXTURE—

	Per 100	1000
No. 1	$1.50	$10.00
No. 2	1.00	7.50

STOKES' SEED STORE
219 Market St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

DAHLIAS

Charles Clayton is my best introduction; for brilliancy, form and stem, this new Cactus leads them all. Other superb Novelties are: Mrs W. K. Jewett, Manitou, Princess Yetive, Corona, Olive Tracy. These with other fine varieties were awarded a Bronze Medal at the Alaskan-Yukon Exposition, last season. Select list of Standard Dahlias; and Field-Grown Hollyhocks, both Double and Allegheny. Catalogue on application.

W. W. WILMORE, P. O. Box 382, Denver, Col.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

Florists' Dahlias

A good assortment of Dahlias for Florists, at prices that will surprise you for undivided field clumps.

J. MURRAY BASSETT, Packerd St. Hammonton, N. J.

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIA POLES

2 to 6 Feet Long

POINTED HARDWOOD STICKS; Green and Plain, 5, 12 and 18 inches long.

BLUNT END SOFTWOOD STICKS; for stemming, Green and Plain, 6, 12 and 18 ins. long.

HUGO L. GROTE, 1123 Broadway New York

Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the Exchange.

Boddington's Quality Sweet Peas

Remember you may deduct 5 per cent. if cash accompanies the order

25c. per lb.;

Agnes Johnstone. Soft light pink
Apple Blossom. Rose and white
Bolton's Pink. Orange-pink
Blanche Ferry. "Extra early," rose and white.
Black Knight. Maroon
Dainty. Light pink
Duke of Westminster. Blue and purple
Dorothy Eckford. Pure white
Earliest of All. Pink and white
Emily Henderson. Pure white
Evelyn Byatt. Orange-pink
Emily Eckford. Mauve and blue
Flora Norton. Blue and purple
Honorable Mrs. E. Kenyon. Pale yellow
Jeannie Gordon. Light pink
Janet Scott. Pale yellow or primrose
Katherine Tracy. Pink shades
King Edward VII. Crimson-scarlet
Lovely. Light pink
Lady Grisel Hamilton. Lavender and mauve.
Lottie Eckford. Lavender and mauve, picotee edged
Lord Nelson. Violet and indigo
Mont Blanc. Pure white
Miss Willmott. Orange-pink
Mrs. Walter Wright. Mauve and blue
Mrs. Geo. Higginson, Jr. Lavender and mauve
Mrs. Collier. Pale yellow
Navy Blue. Violet and indigo
Othello. Maroon
Prima Donna. Pink
Queen Alexandra. Crimson-scarlet
Queen of Spain. Light pink
Queen Victoria. Pale yellow or primrose
Romolo Piozzanni. Mauve and blue
Salopian. Crimson-scarlet
Stella Morse. Light pink and primrose
Shazada. Maroon
Shasta. Pure white
Sadie Burpee. Pure white
White Wonder (double), pure white

10c. Per ¼ lb.;

Black Michael. Maroon, lb. 35c., ¼ lb. 15c., oz. 10c.
Earliest Sunbeams. Pale yellow or primrose, lb. 40c., ¼ lb. 15c., oz. 10c.

5c. per oz.

Duke of Sutherland. Maroon
***Gladys Unwin.** Light pink
Helen Pierce. Violet, feathered white
Henry Eckford. Salmon-orange
***Her Majesty.** Rose-crimson
***Mrs. Alfred Watkins.** Light pink
***Nora Unwin.** Pure white
***Paradise.** Light pink
Phenomenal. Lavender and mauve, picotee edged
***Primrose Spencer.** Pale yellow or primrose

50c. per lb.; 15c. per ¼ lb.; 10c. per oz.

***Countess of Spencer Hybrids Mixed.** Mixed
***E. J. Castle.** Rose-crimson
***Frank Dolby.** Lavender and mauve
***Phyllis Unwin.** Deep rosy carmine, self

75c per lb 25c. per ¼ lb. 10c per oz.

***Countess of Spencer** (true stock). Light pink
†**Christmas Pink** (Boddington's). Pink and white
†**Christmas White** (Boddington's). Pure white
†**Florence Denzer.** Pure white

$1.00 per lb. 40c. per ¼ lb.; 10c per oz.

Earliest White. Pure white, lb. $1.25, ¼ lb. 40c., oz. 10c.

***Enchantress.** Light pink
***Florence Morse Spencer.** Pink shades
***George Herbert.** Almost self-carmine
***Helen Lewis.** Orange-pink
***John Ingman.** Rose and white
***Prince Olaf.** Striped and mottled blue, white ground
***White Spencer.** Pure white

$1.50 per lb.; 40c. per ¼ lb.; 15c. per oz.

	Per lb	¼ lb.	Oz.
†**Watchung.** Pure white	$1.75	$0.50	$0.20
†**Snow Bird** (Boddington's). Pure white	2.00	.75	.20
†**Canary.** Pale yellow or primrose.	2.50	1.00	.30
†**Flamingo.** Rose-crimson	5.00	1.50	.50

Those marked with a * are Countess of Spencer or Unwin types.
Those marked † are Winter-flowering.

ARTHUR T. BODDINGTON
Seedsman, 342 West 14th St., NEW YORK CITY, N. Y.

Please mention the Exchange when writing.

SEEDS Best that grow. We sell direct to gardeners and florists at wholesale. Big beautiful catalogue free. Write today.

ARCHIAS' SEED STORE. Box 51, SEDALIA, MO.

Please mention the Exchange when writing.

Have You Ever Heard Him?

"Ladies and gentlemen," he said, exhibiting considerable nervousness, "if I had known that I was to be called on to-night I should have taken the trouble to look up—ah— that is, I should have fortified myself with—ah—as I have just said, if I had been aware that I was to be asked to address you on this suspicious occa—I mean auspicious occasion, I should have primed myself with facts concerning the subject to which I have been, or rather the subject that has been assigned to me. I assure you, ladies and gentlemen, that it gives me great pleasure to—ah—to—it is one of the most pleasant moments of my life to meet you here to-night There is a story of—of—a story—you will please pardon me if I read it, as I can't remember just now—that is, it may be more—ah—fallacitous—or felicitous, I should say—to—ah—read it if you will b-bear with me. I—ah—did not expect when I came here to—ah—to—ah—to——"

Then he got his manuscript out of his pocket and read for twenty-seven minutes without a break.—Tit-Bits.

Direct Importations

AT FOREIGN GROWERS' PRICES

From BELGIUM Palms, Araucarias, Bay Trees, Azalea Indica, etc.
From HOLLAND Boxwood, Rhododendrons, pot grown Shrubs for forcing, etc., etc.
From GERMANY Valley Pips. Early or late forcing.
From ENGLAND English Manetti selected for grafting.
From JAPAN Lilium Longiflorum, Giganteum, Multiflorum, etc.

Full list of Japanese, Holland, English and French Nursery Stock

Write for catalogues, special lists, etc., mentioning the class of stock you are interested in.

RAFFIA 5 grades. Bale lots only.

Our business is import and wholesale only. Don't write unless you use sufficient to make direct separate importations

McHUTCHISON & CO.
17 MURRAY STREET Please mention the Exchange when writing. NEW YORK

Spring Trade Edition

Will be issued
next Saturday, March 19

The wide awake Advertiser acquainted with the value of our columns requires no additional advices from us.

CALADIUM ESCULENTUM

(Elephant's Ear)

Special offer, per 100

Mammoth, 11 inches and up	$8.00
First size, 9 to 11 inches	6.00
Second size, 7 to 9 inches	3.50

Subject to being unsold.

WEEBER & DON,
Seed Merchants and Growers
114 Chambers St., NEW YORK

Orchid-Flowered Sweet Peas

DREER'S SWEET PEAS

We give below a short list of the best kinds for Florists' use. For complete list see our Wholesale Catalogue.

Orchid-flowered Varieties

	¼ lb.	Lb.
Countess Spencer (true). A lovely clear pink	$0.30	$1.00
Florence M. Spencer. Delicate blush with pink margin	.30	1.00
Frank Dolby. Largest pale lavender	.30	1.00
Gladys Unwin. Charming pale rose-pink	.10	.35
George Herbert. Rich rose carmine	.30	1.00
Mrs. Alfred Watkins. Superb pale pink	.15	.50
Nora Unwin. A magnificent white	.15	.50
Primrose Spencer. Primrose or creamy yellow	.15	.50
White Spencer. A pure white Countess Spencer of very large size	.15	.50

Standard Varieties

Blanche Ferry. Pink and white	.10	.20
Dorothy Eckford. The finest standard white	.10	.25
Earliest of All. Re-Selected. Same color as Blanche Ferry, but a week earlier than the extra early type, fine for forcing	.15	.50
Emily Henderson. Purest white	.10	.20
Flora Norton. The clearest and most pronounced bright blue	.10	.30
Hon. Mrs. E. Kenyon. The finest primrose yellow yet introduced	.10	.25
Janet Scott. A large and bright pink	.10	.25
Katherine Tracy. Brilliant pink	.10	.25
King Edward VII. Rich, deep crimson scarlet	.10	.25
Lady Grisel Hamilton. Pale lavender	.10	.25
Lord Nelson. Improvement on Navy Blue Color, rich navy blue	.10	.30
Lovely. Shell pink, extra fine	.10	.25
Miss Willmott. Rich, deep orange pink	.10	.25
Mont Blanc. An early-flowering white, for forcing	.10	.35
Mrs. George Higginson, Jr. Clear azure blue	.10	.25
Mrs. Walter Wright. Deep mauve	.10	.35
Othello. Dark chocolate red	.10	.25
Prima Donna. Deep pink, fine	.10	.25
Prince of Wales. Deep rose	.10	.25
Salopian. Rich deep scarlet	.10	.25

HENRY A. DREER, Seeds, Plants and Bulbs Philadelphia

Please mention the Exchange when writing.

ELEPHANT'S EAR

Caladium Esculentum

Bulbs 6 to 8 inches in circumference, 200 in a case, 25c. per doz., $2.00 per 100, $15.00 per 1000.

Bulbs 8 to 10 inches, 100 in a case, 50c. per doz., $3.50 per 100, $30.00 per 1000.

Bulbs 10 to 12 inches, 75 in a case, 75c. per doz., $5.50 per 100, $50.00 per 1000.

Bulbs 12 to 13 inches, 50 in a case, $1.00 per doz., $8.00 per 100, $75.00 per 1000.

Monster bulbs 13 inches and upward in circumference, 25 in a case, $1.50 per doz., $12.00 per 100.

Full cases at 100 rate

ARTHUR T. BODDINGTON
SEEDSMAN
342 West 14th Street
NEW YORK CITY, N. Y.

Please mention the Exchange when writing.

Pansies

Stocky little plants of our best strain, $2.00 per 1000; transplanted plants that will be in bloom for Easter, $1.50 per 100; $12.50 per 1000.

DAISIES (Bellis) and FORGET-ME-NOTS, $2.00 per 1000.

CINERARIAS and PRIMULA Obconica, 4-in. pots, $5.00 per 100.

J. C. SCHMIDT
BRISTOL, PA.

Please mention the Exchange when writing.

THE EXCHANGE—Best Advertising Medium

Seed Trade the Country Over

TREMONT, TEX.—The E. L. Reel Co., has been incorporated to conduct a seed business. Capital $3000.

LARIMOOR, N. D.—The new M. & M. Seed Co. is to go into the seed business on a large scale. Property has recently been acquired and several buildings for purposes of the business are to be erected, among them a seed storehouse which is to contain all the modern improvements for kiln drying, storing and curing seeds. A commodious greenhouse is also to be built.

MITCHELL, S. D.—According to a local paper, the Dakota Seed Company of Mitchell is rather a unique organization. It is conducted by Prof. W. A. Wheeler, former agronomist at the Agricultural College. Every package of seed put out is tested for germination and is guaranteed to the purchaser. No other seed house ever dared to do this and it is yet a question if it can be successfully done because of the many conditions which may make a crop a failure even if seeds be good.

SALEM, MASS.—A fund of $1,000 to the town of Marblehead, the income to be divided annually among the Marblehead women who have become mothers of twins in the course of the year, is one of the unique things provided for in the will of the late James J. H. Gregory, the wealthy seedsman, who died recently. The testator's widow is the principal beneficiary under the will; but at her death, the residue is to go to the American Home Missionary Society to establish a fund for the purchase of "character building books" for distribution among the children of the mountain whites in the South. The will provides small bequests to the Episcopal, Methodist, Roman Catholic, Universalist, and Congregational Churches of Marblehead, declaring that each "in its own way, is doing its best for the improvement of mankind."

A Y. M. C. A. Course in Agriculture

A practical course of lectures and conferences for the presentation of agricultural and similar themes is offered by the Bedford Branch of the Y. M. C. A. of Brooklyn, N. Y. Sessions will be held on Wednesday evenings, beginning March 9. The idea is to be of help to men who have a longing to get back to the soil and earn a living therefrom, but who do not know how to make a start. The course is also designed to be of benefit to owners of country property that they wish to further develop as profitable farms or inexpensive country homes. For the man who is a fixture in the city but has a desire to utilize his limited garden facilities in the back yard or on a vacant city lot, there will be much of suggestion and interest in the lectures and discussions.

The Association has gone to much pains to secure an exceptionally able lot of authorities to lecture and conduct the conference. The instruction will eliminate all unnecessary theory and give emphasis to the practical application in every case of the topic under discussion.

The opening lecture, scheduled for Wednesday night, March 9, is by Prof. W. J. Spillman, chief of the Department of Farm Management of the Department of Agriculture at Washington. The dates, subjects and speakers are as follows: March 9.—Types of Farming for the City Man, W. J. Spillman. March 16.—The Soil and Its Fertilization, George D. Leavens, Expert Soil Chemist. March 23.—Fruit Raising, George T. Powell, President of Agricultural Experts' Assoc. March 30.—Fruit Raising, George T. Powell. April 6.—Vegetable Gardening, Leonard Barron, Editor of the Garden Magazine. April 13.—Vegetable Gardening, Leonard Barron. April 20.—Poultry Raising, John Hollock, Poultry Expert. April 27.—Poultry Raising, John Hollock. May 4.—Live Stock, Charles W. Burkett, Editor of the American Agriculturist. May 11.—Dairying, Charles W. Burkett. May 18.—Practical Suggestions to Beginners, Prof. L. C. Corbett, horticulturist to Dept. of Agriculture, Washington, D. C. May 25.—Individual Successes. A Symposium of Experiences. First hand reports from city people who have taken up country life.

Several excursions will be made on Saturday afternoons to vegetable, fruit, chicken and dairy farms convenient to New York City.

Coming Exhibitions

New York, March 16-18, 1910.—Exhibition of The American Rose Society at the American Museum of Natural History, 77th st. and Central Park West. Secretary, Benjamin Hammond, Fishkill on-Hudson, N. Y.

Boston, Mass., May 26-30, 1910.—Great Exhibition of Orchids and other plants by the Massachusetts Horticultural Society. Secretary, William P. Rich.

SEED by the oz. · 1 lb. **PANSIES** **PLANTS** 150,000

The Jennings Strain, fine field-grown plants, large-flowering, in great variety of fancy colors. Strong plants for cold frames, $3.00 per 1000, by express, 50c. per 100 by mail.

PANSY SEED, finest mixed, $5.00 per oz., $1.00 per pkt. of 4000 seeds. Sample of Pansy blooms by mail free.

SALVIA, Splendens and Bonfire. My Own Growing. Trade pkts. 25c. and 50c. each.

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4-inch, $10.00 per 100.

PRIMULA Obconica, 2-in., $1.50 per 100; 3-in., $4.00 per 100; 4-in., $6.00 per 100.
GERANIUM, Ricard, 2-in., $2.00 per 100.
FICUS Elastica, 5-in., $30.00 per 100.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100. Plumosus, 2-in., $2.00 per 100.
ENGLISH IVY, R. C., 75c. per 100; var. R. C., 75c. per 100.
FERNS, Scottii, 2½-in., $5.00 per 100; 3-in., $10.00 per 100; 4-in., $15.00 per 100; 5-in., $20.00 per 100; 6-in., $35.00 per 100.
FERNS, Boston, 3-in., $5.00 per 100; 4-in., $15.00 per 100.

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ASPARAGUS plumosus, 2-in. $3.00 per 100; 3-in., $5.00 per 100. Cut sprays, 25c. per bunch.
ASPARAGUS Sprengeri, 3-in., $5.00 per 100.
GERANIUMS, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in., $3.00 per 100.
FERNS. Whitmani, 4-in., 25c. each. Boston, 4-in., 15c. each; 5-in., 25c. each.
CYCAS PALMS, 4 to 5 leaves, $1.00, $1.50 and $2.00.
VINCA Var., 2-in., $2.00 per 100.

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It will help us, and you, if we have your Easter order early

Price List : : Easter 1910

COME AND SEE OUR STOCK Any Buyer seeking quality will be well repaid by inspecting our large stock of Crimson and Pink Ramblers, Hydrangeas, Lilies, Azaleas, Rhododendrons, Spiræas, etc., etc.

The early Easter will make absolutely no difference to us. Our stock is excellent and timed just right for Easter. Send us your orders at once to insure satisfaction.

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Our stock is exceptionally good this year.
Plants from 4 to 8 blooms....at 12c. per bloom
Made up pans from 12 to 20 blooms .....at 12c. per bloom
Plants with less than 4 blooms, at 15c. per bloom

Azaleas

Our stock of Azaleas is the largest and finest we have ever had and includes:
Van der Cruyseen, Verveneana, Emp. of India, Emp. of Brazil, Niobe, Bernard Andrea Alba, Prof. Wolters, etc., etc., at 75c., $1, $1.25, $1.50, $2, $2.50, $3, $3.50, $4, $5, $6, $7.50 and $10 each.
Pyramid Azaleas, very fine, at $3, $3.50 and $4 each.
Azalea Mollis, Anthony Koster, the best yellow, at $15 and $18 per doz.
Azalea Mollis Ass't, very large plants, at $2.50, $3 and $3.50 each.
Small Azaleas for Basket Work, at $4 per doz., $30 per 100.

Crimson Rambler Roses

These plants are unusually fine and will be just right for Easter.
6-in. and 7-in. pots..at $1, $1.25 and $1.50 each
8-in. pots .....at $2 and $2.50 each
Plants trained in fan and globular shapes, extra fine, at $2, $2.50, $3, $3.50, $4, $5 and $6 each.

Pink Rambler Roses

Lady Gay and Dorothy Perkins

In great condition, trained into fan, globular and pyramidal shapes. At $1.25, $1.50, $2, $2.50, $3, $3.50, $4, $5 and $6 each.
Special Ball Shapes, at $1.50, $2, $2.50, $3 and $3.50 each
Special Wire Fan Shapes..at $3 and $3.50 each
Standard Lady Gay Umbrella Shape..$3.50 each
We want to call your attention to this **Special Standard Lady Gay Umbrella** which we have in exceptionally fine condition. This, we believe, cannot be duplicated anywhere.

Tausendschon (New) "Thousand Beauties"

This was our finest Climber last Easter and this year the plants are still better. We cannot recommend the Tausendschon Rambler too highly.
Strong plants in 6-in. and 7-in. pots, at $1, $1.25 and $1.50 each.
Trained plants, Fan, Globular and Pyramidal Shapes, at $2, $2.50, $3, $3.50, $4 and $5 each.

Baby Rambler Standards

Exceptionally fine plants, 3 to 5 foot stems, at $1, $1.25, $1.50, $2 and $2.50 each.

White Baby Rambler Standards

At $1, $1.25 and $1.50 each.

Standard Double-Budded White and Red Baby Rambler on Same Plant

At $1.50 each.

Baby Ramblers

Good strong stock, well flowered, at $3, $6 and $9 per doz.

Hiawatha

The best of its color.
6-in. and 7-in. pots, trained in globular and fan shapes, at $1.25, $1.50, $2, $2.50 and $3 each.

Mrs. Cutbush (New)

Pink Baby Rambler

This is a good one, in 6-in. pots, at $6 and $9 per doz.

Baby Dorothy (New)

Pink Baby Rambler very similar to Mrs. Cutbush.

4-in. and 4½-in. pots.....at $4 per doz.
5-in. pots .....at $6 per doz.
6-in. pots .....at $9 per doz.

Hybrid Roses

We have an unusually large stock of Hybrids which will be just right for Easter; all the best varieties, including:
Richmond, Kaiserin, Mrs. Henshaw, Killarney, etc., at $6 and $9 per doz.
Magna Charta, very fine, at $9, $12, $15 and $18 per doz.

Hydrangeas

At $6, $9 and $12 per doz.
Large plants at $1.50, $2 and $2.50 each.
Hydrangea Otaksa, Standard (New), at $2, $2.50 and $3 each.

Rhododendrons

Shapely, well-budded plants, including all the best varieties, at $1.50, $2, $2.50, $3, $3.50 and $4 each.
A few larger plants in tubs, very handsome, at $5 and $6 each.

Rhododendron Pink Pearl (NEW)

The most beautiful of all the Rhododendrons, at $2.50, $3, $3.50 and $4 each.

Lily of the Valley

5-in. pots .....at $6 per doz.
6-in. pots .....at $9 per doz.

Bougainvillea Glabra Sanderiana

Magnificent plants, exceptionally well flowered, at $3.50, $4, $5, $6, $7.50 and $10 each.

Genistas

A grand stock, grown cool and just right for Easter, at $2, $3, $4, $5, $6, $9, $12 and $15 per doz.

Spiraea Gladstone

Our stock is in superb condition.
6-in. pots .....at 50c. each
7-in. pots .....at 75c. each
8-in. pots, made up .....at $1 each
9 and 10-in. tubs, made up..at $1.50 and $2 each

Pink Spiraea

Queen Alexandra, very beautiful

6-in. pots .....at $9 per doz.

Double Daisy, Queen Alexandra

Well grown and well flowered.
4-in. pots .....at $2.50 per doz.
5-in. pots .....at $4 per doz.
6-in. pots, very fine.....at $6 and $9 per doz.

Marguerites

Very well flowered, 6-in. pots....at $4 per doz.

Oranges

5-in. and 6-in. pots, 4 to 8 fruits, at 60c., 75c., $1 and $1.50 each.

Nephrolepis Scottii

6-in. pots .....at $6 and $9 per doz.
8-in. pans .....at $12 per doz.
10-in. pans .....at $1.50 and $2 each

Nephrolepis Todeaoides

The London Fern.

We have a large stock for growing on, in 2-in. pots, at $5 per 100, $45 per 1000.
6-in. pots .....at $6 and $9 per doz.
11-in. tubs .....at $2.50 each

Nephrolepis Amerpohli

The Philadelphia Lace Fern.

5-in. and 6-in. pots .....at $6 and $9 per doz.

Nephrolepis Whitmani

9-in. pots .....$2 each

Nephrolepis Scholzeli

Ready Now.

2¼-in. pots .....at $8 per 100, $75 per 1000

Asparagus Plumosus

2-in. pots .....at $4 per 100

Areca Lutescens

Exceptionally fine stock.
5-in. pots .....at $7.50 and $9 per doz.

Dracaena Massangeana

Perfect plants, 6-in. pots, at $18 and $24 per doz.

Dracaena Fragrans

6-in. pots .....at $6 and $9 per doz.

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We have the largest stock of Crotons in America. Well colored plants.
4-in. pots .....at $25 per 100
5-in. pots .....at $50 per 100
6-in. pots .....at $75 per 100
Large plants .....at $1, $1.25, $1.50 and $2 each
Made up plants .....$2.50 to $10 each

Pandanus Veitchii

Well colored
4-in. pots .....$6 per doz., $40 per 100

English Hawthorn

8-in. pots, 3½ to 4 feet tall.....at $2 each

Standard Prunus (Plum)

Very handsome plants .....at $2 each

Wistaria (Blue)

at $1.50 and $2 each.

Flowering Apples and Almonds

at $1.50 each

Ficus Pandurata

6-in. pots, 24 to 36 inches high, at $2, $2.60 and $3 each.
Larger plants .....at $3.50, $4 and $5 each
Branch Plants ....at $2.50, $3, $3.50 and $4 each

Begonia Gloire de Lorraine

We claim to have the largest and finest stock of this grand Xmas plant in America.
All plants propagated from leaves and twice shifted. Shipped from 2½-in. pots, at $15 per 100, $140 per 1000.

Special prices on lots of 5000 plants, or over.

An early Easter makes no difference to us, we are always ready

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"Craig Quality" stands out everywhere

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

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Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

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Standard—Tree Box—Pyramidal

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100 Acres of Nursery. Ask for quotations upon your own list of wants.

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ROSES for forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff CLEMATIS, AMPELOPSIS, TREE HYDRANGEAS and LILACS, SHRUBS, VINES and PERENNIALS. Write for prices.

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Nurserymen and Florists—Wholesale only. Use printed stationery.

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5-inch pots—4 to 5 tiers—15 to 18 inches high

60 cts. each, $6.00 per dozen

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TREES AND PLANTS

Of every kind and description, in wholesale quantities

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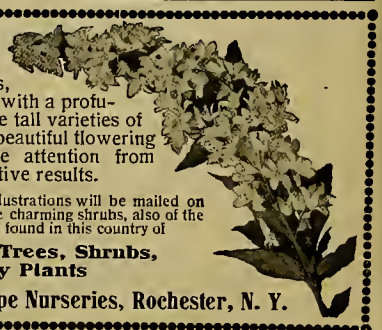

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A beautiful catalogue with many new illustrations will be mailed on request. It contains descriptions of these charming shrubs, also of the largest and most complete collections to be found in this country of

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Japanese Judas, very heavy, 3 to 4 ft.
Spiraea Anthony Waterer, very heavy, 1½ to 3 ft.
Regel's Privet (Ligustrum Regelianum), 2 to 4 ft.

These are but a few of our leaders; we have an enormous assortment of other varieties. Also deciduous trees, especially **Willows, Lombardy Poplars, American Lindens,** and **Dogwood.** Let us have your "want list," and ask for our catalogue.

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Specimen trees 14-18 ft., 2-4 in. dia.

RHODODENDRON HYBRIDS
1-3 ft. Best varieties and colors

RHODODENDRON MAXIMUM
(The Natives) 2-6 ft. in car lots; fine plant

KOSTER BLUE SPRUCE
4-5 ft. and 5-6 ft.

CAL. PRIVET for hedge
Fine plants 2-3 ft. and 3-4 ft.

A large assortment of Fruit, Shade and Ornamental trees and shrubs

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Seedlings, 3 to 5 inches, $8.00 per 1000, with 6-in. roots; 2 to 3 inches, $5.00 per 1000, with 6-in. roots.

CAROLINA POPLAR

2 years, clean and smooth, nicely branched.

10 to 12 ft.	$15.00	per 100
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Several times transplanted.

3 to 4 ft.	$30.00	per 100
2 to 3 ft.	8.00	per 100
18 to 24 in.	6.00	per 100

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Transplanted.

3 to 4 ft.	$40.00	per 100
2 to 3 ft.	8.00	per 100

CALIFORNIA PRIVET

2 yr. cut back, extra heavy.

	100	1000
3 to 4 ft.	$4.00	$35.00
No. 1, 3 to 4 ft.	3.00	30.00
12 to 18 in.	$60 per 5000	16.00

This is the best stock GOOD GROWING can produce.

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DEUTZIA LEMOINEI, pot-grown, in fine condition.

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Strong, one year old planting canes, just right for present planting.

In the following varieties:

MUSCAT OF ALEXANDRIA
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Price, $2.50 each (Two dollars and fifty cents)

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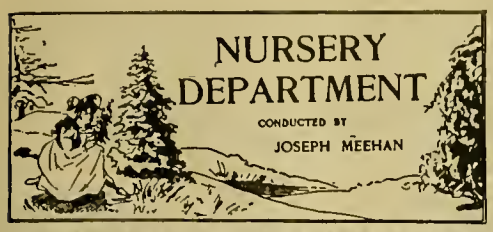

AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-president; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer.

OLYMPIA, WASH.—The Selah Valley Nurseries of Selah, have incorporated with a capital stock of $5000. The incorporators are Clarence B. Wood and A. C. E. Brown.

MARTINSBURG, W. VA.—The Mt. Glen Orchard Co. of Martinsburg has been incorporated to grow fruits and vegetables and to cultivate Orchids. The capital stock is $50,000.

WICHITA, KANS.—The Arkansas Valley Farmer is offering 100 Catalpa trees, all ready to grow, shipped direct from the nursery, to all subscribers of one dollar for the paper.

Cedrus Deodara In collections of trees in the Middle States, the Deodar Cedar, Cedrus Deodara, is not seen as often as are the C. Libani and the C. Atlantica, the probable reason being that it is not as hardy or, at least, has not proved so, where it has been tried. On some of the older estates in our midst the C. Libani and C. Atlantica are not uncommon, while to meet with the Deodara is rare. In the vicinity of New York City it has been set out more than once and, though uninjured so far as the shoots are concerned, the cold caused the loss of its leaves.

In the vicinity of Philadelphia, some years ago, there was a very nice specimen of it, perhaps 15 feet high and bushy, and this endured the cold of many Winters unharmed, dying eventually one Summer from some unknown cause.

The one we illustrate represents a tree growing in southern California, the photograph of which was sent us by P. D. Barnhart. The growth is different to that of what the tree makes here. The branches are very much more heavily clothed with foliage than would be seen on such a tree growing here. In this way it represents just what this Cedar of Lebanon does. Such a tree in Penna. would not be nearly as dense as this one, so would not have the weighted down appearance this has.

Cedrus Deodora

Clematis flammula A correspondent in Maryland sends us some Clematis seed which he says has been sent him for C. paniculata, and which he says he would call C. flammula, and desires our opinion on the seed. The seds of both of these Clematis are alike, and we do not think anyone could tell them apart. Those of paniculata that are sold here are altogether, we think, of home growth, vines of flammula being uncommon in collectons, and where they are to be found they never grow as strongly as paniculata, hence make but few seeds. The seeds of flammula as they come to our seedsmen from abroad are just of the same appearance as paniculata, but the wings of the seed are of much lighter color—whether always so it cannot be said.

In view of the greater vigor and floriferousness of paniculata it may seem to some that there is no place for flammula; but there is, for it gives us its sweet scented flowers a month earlier in Summer than paniculata, and, occasionally, where but a moderate grower is required, it may be preferred to the other.

Unless some good reason exists for it there is no need to leave the long growths of the previous season on the paniculata when Spring comes; instead, cut back the vines to near the ground. This will result in having fresh growth from the ground to the top of the 20 feet or more of height the vine will attain to.

Spiræn Reevesianna Hedges In a recent communication E. Y. Teas says the Spiræa Reevesiana makes a good hedge. No doubt it does as an ornamental feature only, but not in the way of a division hedge that in most respects would act as deterring passage. Around private grounds thorny plants are seldom required, still, something pretty stiff and at the same time having some ornamental features is desired. The ornamental feature the Spiræa Reevesiana gives, but not the stiff one that should accompany it. The other shrub Mr. Teas mentions, the Spiræa Thunbergii, is very good. It is prickly, bushy and highly ornamental when in berry, but it is slow in making height; and everyone having to do with planting a hedge knows how impatient owners of grounds are to have a line of hedge of good height and appearance.

Mr. Teas says the California Privet is not hardy with him. Why not try the Ligustrum Ibota or Regelianum, both are hardier than the Californian? In Philadelphia, everyone is satisfied with the latter. It is hardy, quick growing, foliage dark green, bears pruning well, and, undoubtedly, leads all other plants available for the purpose. The several photographs of it that have appeared in the EXCHANGE of late show what beautiful hedges are made of it. It is very nice to have Mr. Teas' suggestion of the Spiræa Reevesiana, but it would not do to plant along street lines as the Privet is. For one thing the flowers would be too tempting to passers-by; and it would seem that to get a green line from the ground to the top of the plant from foliage, as is done with the California Privet, would not be possible.

Magnolia Fraseri Considering the fragrance and the beauty of the canary yellow flowers of the Magnolia Fraseri it is rather strange how very rare the tree is in collections. Or is it that it is not so scarce in collections outside of Pennsylvania as it appears to be in it? It must be that our friend H. P. Kelsey could supply anyone with plants of it from its home in North Carolina, or even the seeds of it! For some reason, as the writer once mentioned to Mr. Kelsey, the tree never or most rarely perfects seeds in Pennsylvania. There are three very large trees in Philadelphia—and likely more—and these bloom profusely every year, but do not perfect seeds. At rare intervals a pod will perfect its seed, but not more than a pod in a half-dozen years. One of these trees is in the Bartram Botanic Garden, another on the grounds of the late Franklin B. Gowen, Mt. Airy, a third in the Meehan Nursery, Germantown. Why the trees do not bear seeds seems puzzling.

If plants cannot be had from North Carolina some of our nursery propagators should take hold of it and bud it on the tripetala stock. The M. acuminata has been much used as a stock, but the more fibrous roots of tripetala makes it a better one to use.

Late Flowering Wistarias By late flowering Wistaria, which a correspondent mentioned some time ago, the W. frutescens and W. magnifica must be meant, as these flower some weeks later than the W. Chinensis, the well-known Chinese Wistaria. The handsomest of all is the one last mentioned, its racemes of flowers being much larger and handsomer than either of the others, and blooming very early in Spring it is one of the floral delights of that season.

The late flowering ones, while handsome and attractive, are somewhat cast in the shade by the superior beauty of the other, and would be more so only for the fact of the Chinese one being out of flower when the others are displaying theirs. The late ones are better for uses vines are usually put to, as they make a thicker showing of foliage, having more shoots, and these make a longer growth in a season than the Chinese. And there is a difference, too, in the two late ones. The magnifica is much more floriferous than frutescens. This, the magnifica, is thought to be a hybrid, but there is little or no resemblance to the Chinensis in any part of it, appearing only as a greatly improved frutescens.

Tartarian Honeysuckle for Cold Climates Those nurserymen whose trade extends to the coldest parts of our country, and to the northern part of Canada, find a constant call for a few shrubs which have proved very hardy, not the least among them being the Tartarian Honeysuckle, Lonicera Tatarica. It has proved one of the hardiest of shrubs, as might be expected, coming from northern Europe originally.

There are several varieties in nurseries; the white and the red fruited are two of them, and a third is the L. grandiflora, having handsome, large pink flowers. These Tartarian Honeysuckles are really nice shrubs in home collections, because of their early flowers, for they are among the first of those of Spring. In addition to this is the beauty of their berries, which ornament the bushes greatly, and these berries do not wait until Autumn before they ripen, but mature almost as soon as formed. All in all, these shrubs are good ones for the nurserymen to propagate. As hard wood cuttings root readily a stock can soon be had.

Caragana arborescens and the Lilac, Syringa vulgaris, are two of several other hardy kinds that are called for in the same way as the Tartarian Honeysuckle, by those living in very cold places.

Root Pruning Fruit Trees Florists well understand how the checking of a plant's growth forces it into flower. A plant in a small pot lacking room for its roots will flower earlier than it would were it shifted on from time to time from one size pot to a larger one. The checking of it at the root intimates to the plant that growth has to cease, and so it turns to the next thing to do, the producing of flowers and seeds. It is the same with vines, shrubs, trees and all that grows outside. So long as everything conducive to growth is present, growth will be made; when this encouragement fails it, it proceeds to flower. Hardy vines have long been an example of this. So long as there is something to do, space to cover, there is less desire to produce flowers than there is when this work has been accomplished.

The checking of the growth of fruit trees by root pruning them is followed closely by European gardeners. As the climate permits it, it is done in Winter, usually. Often the trees are wholly dug up and reset, severing many roots in the process; and even when no roots are cut the transplanting itself checks the tree. In England the climate is so wet in Winter that transplanting can be carried on all the time without fear of roots drying up. There is no need of mats and waterpots to keep the roots wet, as there is with us; and with open Winters the work goes on all through it.

Some fruit trees, such as the Seckel Pear, are always many years growing before they bear; others may find the soil so rich as to cause them to continue growing for years when they should be bearing. Whatever the cause may be, root pruning will promote flowers and fruit. It really matters little at what season the pruning be done. Midsummer, before growth has stopped, is a good time, as it is not too late to get fruit buds to form then to give flowers the coming Spring. If delayed until Autumn it would not be effective until the Spring following, not until a year had passed.

Aside from root pruning fruit trees to cause fruitfulness, shade trees are greatly benefited for safe transplanting when root pruned a year or so in advance. Neither in the case of the fruit tree nor the shade tree is it required that all the roots be cut off; a few of the stronger ones is sufficient with fruits, but in the case of shade trees it is better to cut all around the tree, the better to transplant it later.

California Privet

California Privet is still the leading hedge plant, because nothing has yet been produced to surpass it.

I have an extra large stock of two-year-old plants, in all grades, to offer for Spring shipment. This stock is well branched with plenty of fibrous roots.

I can compete in price, quantity and quality with any reliable grower.

I AM GROWING PRIVET TO SELL

LET ME QUOTE YOU PRICES BEFORE YOU BUY.

C. A. BENNETT Robbinsville, N. J.

Please mention the Exchange when writing.

Last Fall

MY OUTPUT OF CALIFORNIA PRIVET WAS GREATER THAN EVER BEFORE.

Ribsam's Reputation

Orders booked now daily. Owing to business and fibrous roots my plants are far above the average grade sold by others at less prices; just one order will enroll you as one of our regular patrons. Thanking all for past favors.

CALIFORNIA PRIVET	Per 100	Per 1,000	Per 10,000	Per 20,000
3 to 4 feet, Our Special	$6.00	$40.00	$350.00	$650.00
2½ to 3 feet, Extra Bushy	5.00	35.00	300.00	550.00
2 to 3 feet, Our No. 1	3.50	25.00	200.00	350.00
1½ to 2 feet, Our No. 2	2.50	17.50	150.00	250.00
10 to 18 in., Our No. 3	1.50	12.00	100.00	175.00

Packed free. Our stock is A1 in every respect, and I prefer you to call and see it. A trolley line from P. R. R. station leaves you at my gate, only 10 minutes' ride. Hoping to see you and have your order early as possible, as we have only 300,000 left for this Spring's delivery, I remain, yours truly,

CARLMAN RIBSAM, Office, 31 Wall St. (Nursery, Hamilton Ave,) **Trenton, N. J.**

Please mention the Exchange when writing.

California Privet

See our prices on small lots in classified advertisements.

For large orders in carload lots we can do better, and will ship you 10,000, 18 to 24 inch, 4 to 6 branches, in bulk in car, for **$100.00.** Cash with order. Other sizes in proportion.

Jos. H. Black, Son & Co.

Hightstown, N. J.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

CALIFORNIA PRIVET

500,000 8-yr. plants, with 12 to 20 branches; have been transplanted once and cut back 2 yrs.; $4.00 per 100, $37.50 per 1000, packed. Will make a good close hedge at once. 500,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr.; $3.00 per 100, $27.50 per 1000, packed. 1-yr. plants 12 to 18 in., well branched, $2.00 per 100, $17.50 per 1000, packed. 500 at 1000 rates. Cash with order.

JOHN BENNETT, Atlantic Highlands, N. J.

Please mention the Exchange when writing.

50,000 **CALIFORNIA PRIVET,** fine 1-year-old stock, 18 to 24 in., $2.00 per 100, $16.00 per 1000; 24 to 30 in., $2.50 per 100, $20.00 per 1000. Special prices in 5000 lots to dealers, all No. 1 stock. 5,000 extra strong AMPELOPSIS Veitchii. Field grown vines, live tops and roots, now in cellar. $4.00 per 100, 500 at $3.50 per 100. P. S. 25,000 Canna Roots.

BENJ. CONNELL, Florist, **Merchantville, N. J.**

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New Seedling Rose

Radiance

A seedling from Cardinal, a brilliant rosy carmine with opaline tints in the open flower. The form is fine, large, with cupped petals, bud long, brilliant, radiant, with extra long stems, a constant bloomer, fragrant, foliage abundant and of splendid substance.

2½-inch pots, $18.00 per 100; ready for delivery in April and May

CASH OR SATISFACTORY REFERENCE

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PEONIES

Lucretia Dewberry

in large quantities. If in need write.

GILBERT H. WILD, SARCOXIE, MO.

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August Haerens

Somergem, Belgium

Special grower of High-Grade and new AZALEAS, KENTIAS, ARAUCARIAS, BAYS, etc.

August Rolker & Sons, 51 Barclay St., New York, **American Agts**

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FOR SALE

Rhododendron, Catawbiense, Mountain Laurel. Native Honeysuckle, Trailing Arbutus and Natural Peach Pits.

HICKORY SEED CO., Hickory, N. C.

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KOSTER & CO.

HOLLANDIA NURSERIES

Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

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RASPBERRY PLANTS

20 varieties at 25c. per dozen.
Blackberry Plants, 10 varieties, at 25c. per dozen.
Currant Plants, 8 varieties, at 50c. to 75c. per dozen.
Grape Vines, 25 varieties, at 50c. to $1.00 per dozen.

Ask your customers double the above prices, and I will fill the orders for you with first-class stock. At above prices you make 75 to 100 per cent.

CHARLES C. NASH, Kalamazoo, Mich.

Please mention the Exchange when writing.

LIST OF 200 ROSES

Bumper crops for Spring delivery.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD, OHIO.

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GRAFTED ROSES

We have an exceptionally fine stock of grafted plants, strong, clean and healthy

	Per 100	Per 1000
White and **Pink Killarney, My Maryland, Richmond, Kaiserin, Bride, Bridesmaid,** 2½ in. pots	$15.00	$120.00
Own Root Stock, Ready Now		
White Killarney, 2½-in. pots	8.00	75.00
My Maryland, 2½-in. pots	6.00	50.00

S. J. REUTER & SON, Inc., Westerly, R. I.

Please mention the Exchange when writing.

Outdoor Floriculture in Northern States. Present Development and Future Mission

A paper by Richard Rothe, read before the Bar Harbor Horticultural Society at its March meeting.

Broadly speaking, the New England States have a well-established and enviable record in all lines of outdoor floriculture as far north as Boston. Beyond the Massachusetts boundary, however, the horticultural fraternity of this country still looks with more or less doubt. Maine, New Hampshire and Vermont have not been heard from often enough to make an impression. I don't think I am exaggerating when stating that in the minds of a great majority of American horticulturists floriculture within those States is still in its infancy, and little is expected of this section in the near future. While this may properly apply to the thinly settled regions, it hardly does to our larger cities. Floriculture as a means to beautify home surroundings and city squares is better understood and becomes more noticeable year after year. For obvious reasons we find it farthest advanced along the seacoast line. With the establishment of fashionable Summer resorts and subsequent building of cottages the desire to have the immediate surroundings laid out in the customary lawn-like shape, planted with trees, ornamental shrubbery and some flowers, followed. It was, and in many cases still is, simply the introduction of the conventional city suburban lawn into the native Spruce and Pine region of the North. Whatever little of flowering, everyday bedding plants during the early stages of development were employed, were supplied by the large, faraway, central markets. The comparatively short growing seasons, the uncertainty of plant material coming a long distance from a much warmer climate thriving, not to speak of the frequent absence of skilled labor for proper handling and care, proved in many instances serious obstacles in the pathway of quick advance. The rapid floricultural progress of Bar Harbor is first and last due to the early employment of high-class professional plantsmen, and subsequent foundation of her own plant-growing industries. To lay bare the floricultural possibilities of a region, which at the beginning must have looked near to hopeless, required a vast amount of patient experimenting. There is no need to talk to you of the many disappointments, or, on the other hand, of the many happy surprises the northern floriculturist meets with, but it is safe to say that, so far, the latter have outclassed the former in number and importance.

Hardiness of Popular Shrubs in the North

It was one of the happy surprises to find out that we can safely employ many of the Azalea mollis and pontica varieties along the Atlantic coast line as far north as Canada. Calycanthus floridus, Cydonia Japonica, all the free-flowering Deutzias, Diervillas, Forsythias, Bush Honeysuckles, Mock Oranges, Spiræas and Viburnums have proven perfectly hardy and the rich florescence of immense Lilac bushes gives evidence that the climatic conditions of the North are exceptionally favorable for their growth. Let us hope that the popularity of the hardy Hydrangeas and Rosa rugosas is soon to be shared by Rose varieties such as Austrian Brier, Copper, Harrison's Yellow and Persian Yellow. Likewise are the Rubiginosa Penzance Hybrids and the many comparatively new Rugosa Hybrids worth serious consideration, for they are not only perfectly hardy within this locality, but also exceedingly prolific in flowering. Hybrid perpetuals, Teas and Hybrid Teas, need Winter protection in New England, and more so along the Canadian boundary. If carried through in good shape and otherwise properly cared for, their growth is extraordinarily vigorous, the crops of buds are heavy and the period of their flowering long lasting; not to mention the fortunate absence of the obnoxious Rose bugs which often ravage crops of outdoor Roses in the Middle Atlantic States.

Popular Bedding Plants Freely Used in the North

There is no climatic or other hindrance for the free use of nearly all the popular bedding plants, such as Geraniums, tuberous-rooted Begonias, Heliotropes, Salvias, Petunias, and so forth. If there had been any doubt as to the possibility of flowering such bulbs as Dahlias, Gladiolus, and Cannas, your magnificent exhibits of last year's flower show would have quickly removed it. But, after all, there is nothing that can eclipse the great success we had in the line of hardy biennials and perennials. Not alone can we grow well nigh everything worth having; no, time has divulged the fact that we can also cultivate many varieties up to a perfection and floriferousness that is simply impossible south of Massachusetts. I said cultivate up, lest we forget that growing of perennials in the North means increased attention and, in consequence thereof, higher expenses, especially in overwintering, than in the Middle States. For those few extras, northern-grown plants, after surviving our long icy Winters under protecting leaf-covering, hardy and vigorous, are ready to put forth that wonderful sturdy growth, rich floriferousness and brilliancy of colors, which year after year compel the unreserved admiration of the multitude of our flower-loving visitors. This marvelous color phenomenon manifested equally strong in the flowers of all our Summer annuals, is variously attributed to the moderate average Summer temperature, the always cool nights, and along the seacoast line the beneficent influence of the sea atmosphere. In the interest of all future progress, I cannot emphasize too strongly that a liberal amount of care in the preparation and fertilization of the soil, timely irrigation, weeding and cultivating are not less important whenever first-class results are desired.

Some years ago I read an article on new Amaryllis Hybrids and their magnificent outdoor effect in Florida gardens. I can easily imagine a mass of them in full bloom must be a floral revelation to the eye; still I cannot believe that they ever can vie with the splendor of hue, for instance, of a well-assorted bed of Japanese Iris. It is not necessary to go into any further details on color questions, for Bar Harbor, for years past, has witnessed veritable floral color carnivals in Peonies, Phloxes, Irises, and, in fact, in all hardy flowering plants, both perennials and annuals. This remarkable clarity in tints and shades has hereabout elevated many varieties to the rank of salable cut flowers, which ordinarily as such find no market at all.

I fear this brief recapitulation of facts to those of you who have been for years familiar with them may seem a mere waste of time. Still, just this familiarity is apt to make us near-sighted, and by giving up our thoughts entirely to cultural and other particulars we lose the right view-point to the matter as a whole. We may, as professional floriculturists, comprehend and take careful advantage of our opportunities as growers, but we should, at present, under no circumstances misunderstand the hitherto mainly evolutionary character of the situation. Northern outdoor floriculture in spite of its great productiveness would have no future without a mission.

Richard Rothe

Essayist at the March meeting of The Bar Harbor Hort. Society.

Floriculture Improves Real Estate

Last Fall one of my customers, when leaving orders for Spring planting, summed up by saying: "Now please be sure and see that my little garden and my piazza boxes are again well attended to, for, you know, they help to rent my cottage,"—a brief, clear-sighted statement touching the matter from a sober, business-like point of view. It pays a city, by the agency of floriculture, to beautify her squares and boulevards, for it helps to bring up the value of adjacent property and in turn increases her tax receipts. It pays house owners along residential city and suburban streets and avenues to call on the floriculturist and brighten up the Summer aspect of their small front lawns, for concerted efforts in that direction will aid in giving the locality that air of refinement which attracts cultured people of means. It is a wise policy for the intelligent native population of northern seacoast districts to study and to avail themselves of ornamental shrubs, perennial and annual flowers, because the Summer resort calls especially for neatness and beauty of home grounds.

Floriculture as a Pastime

There is, however, another mission of northern floriculture which seems to me is of a higher order than the one just mentioned. That host of flower lovers, who, as a health preserving outdoor exercise, take delight in doing things themselves, can find no better opportunity than the invigorating Summer climate of the North offers. To our cottage inhabitants there seems hardly a more enjoyable pastime than that of outdoor floriculture. After the large city markets have regaled them during the Winter with the floral output of acres under glass, they find in their Summer homes amid the Pines and the Spruces of Maine conditions altogether reversed. Here the northern-grown perennial and annual is supreme, and Iceland Poppies, Foxgloves and Canterbury Bells have their innings. The change is as radical as it proves agreeable, and amateur flower growing has become a strong feature of northern Summer resort life.

As gratifying, however, as the ready popular response is, and as much as the present activity along this line may encourage us, we should not overlook our next task, which is, as much as possible, to educate our patrons in the ways and modes to use our plants to their best effects. Since Bar Harbor from the very start has taken a leading part in the development of outdoor floriculture, and her floral garden effects are known to represent the best artistic examples, it is natural that the North will, more and more, look to her and this Society for competent council. In my opinion, the time is at hand to give this problem a more careful thought than we have done so far. As a northeastern outpost, situated far away from most of the nation's business centers, it is not likely that we will see great exploits in elaborate landscape architecture in the near future. Summer residences on Mount Desert, the opposite mainland shore lines and adjacent islands, as dwellings are all of a more or less temporary character. The native vegetation and sceneries themselves are extremely attractive and beautiful. These conditions naturally limit extension and outlay on private grounds. The future will see a steady increase of all sorts of flower growing, and attempts at gardening on a small scale, with the local professional in demand for intelligent advice.

The excellence of the home-grown hardy plant material alone should prompt us to direct the present private activity, by degrees, into those channels which lead to a higher standard of effect in outdoor arrangements. We are also face to face with the necessity of giving careful study to color harmony. Furthermore, the infinite variation of ground surface and the everchanging character of our native vegetation, will demand thorough familiarity with the material, and here especially with the habit of growth and with singular as well as mass effects of hardy perennials.

Nature's Great Assistance

During my whole thirty years' practical career, I have not found a single locality offering by Nature as many rare and unique propositions for high-class miniature work in landscaping as does the North, and above all, Mount Desert Island; problems which would inflame ingenuity to enthusiasm and put mediocrity at once out of commission. To the trained eye a mere glance at some of our rugged granite ledges and their picturesque wild vegetation discloses ideal natural conditions for the rock-garden, and yet the flower-loving lady is very apt to turn a deaf ear to all our suggestions, and decide on Heliotropes and Poppies, or a Nasturtium bed may be the final outcome. Occasional disappointments on account of lack of understanding should, however, not in the least discourage us in the patient, tactful pursuits of our aims for the best effects.

To sum up: A careful study of the situation soon convinces us that the home-grown hardy perennials rank first in resistance. They should, in a general way, form the nucleous of northern outdoor planting, with the more tender flowering bulbs, bedding plants and annuals as seconds. Many of the hardy perennials appear in no way out of place when in a natural, informal style, mixed in among our wooded landscapes. They are equally effective in the formal gardens, and they give our plantings from the start a much desired stability, which at no time should be underestimated.

We find ourselves near the threshold of a new growing season. Soon a large contingent of the wealthy metropolitan population will return to their cottages amid our eververdant Spruce and Pine woods to enjoy the invigorating northern Summer. Let us not forget that the last and highest mission of northern outdoor floriculture is to aid in strengthening the ties of attachment and in binding the bands of love for our home country and her beautiful North.

Rose Nurseries for North Carolina

Some extensive trials have been made in the direction of the production of dormant Rose stock in the northern sections of North Carolina, and with great success. A large real estate corporation has interested some of the Dutch growers in the subject, and two or three of them have visited the field of proposed operations, with the result that, for a starter, one Dutch firm expects to remove its business from Holland to a location in this new American field next Fall. It is conceded that ideal conditions for such an enterprise exist in the section mentioned, both climate and soil being, practically, similar to those of Holland and Belgium.

See Announcement—on page 467—of our

Spring Trade Edition

To be Issued next Saturday, March 19, 1910

PROVED BY 20 YEARS' ACTUAL USE

TRADE MARK.

SOLD BY THE SEED DEALERS, IN QUANTITIES TO SUIT

For pamphlets on Bugs and Blights, write to

Hammond's Slug Shot Works
Fishkill-on-Hudson, N. Y.

Please mention the Exchange when writing.

AZALEAS FOR EASTER

VAN DER CRUYSSEN
VERVAENEANA ALBA
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VERVAENEANA

50c., 75c., $1.00, $1.25, $1.50, $2.00, $2.50, $2.75, $3.00

A large stock of Privet, also Shrubs in all varieties

Clematis Paniculata 2-year No. 1, **$7.50** per 100; 3-year X size, **$9.00** per 100: 2-inch pot plants, **$2.50** per 100.

ALSO 150,000 California Privet Cuttings

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Please mention the Exchange when writing.

We have a SPECIALLY nice lot of

YOUNG CARNATION AND CHRYSANTHEMUM STOCK

now ready, heavily rooted, sturdy stock, and liberal count. Try us once.

CARNATIONS

Per 100

	R. C.	2½-in
Enchantress	$2.50	$3.50
Rose Enchantress	2.50	3.50
Beacon	2.50	3.50
White Perfection	2.50	3.50
White Enchantress	2.50	3.50
Georgia	4.00	5.00
Welcome	3.00	4.00

CHRYSANTHEMUMS

A few stock plants of October Frost, C. Touset, Alice Roosevelt, Golden Glow, still left at $3.00 per 100, $25.00 per 1000.

The Following in R. C. and 2½-in. Stock.

Alice Roosevelt, October Frost, Golden Glow, Rosiere, Monrovia, Minnie Bailey, Appleton, White Bonnaffon, Alice Byron, Dr. Enguehard, Yanoma, Wanamaker, Mankey, and nearly all standards, $2.00 per 100, $15.00 per 1000, R. C.; $2.50 per 100, $20.00 per 1000, for 2½-in. pots.

Virginia Poehlmann, $3.00 per 100, R. C.; $4.00, 2½-in.

Golden Eagle, Lynnwood Hall, $4.00 per 100, R. C.; $5.00, 2½-in.

Pres. Taft, Mrs. W. E. Kelley, $10.00 per 100, R. C.; $12.00, 2½-in.

I. M. RAYNER, Greenport, N.Y.

Please mention the Exchange when writing.

Firms Who are Building

CANANDAIGUA, N. Y.—Abram C. Cappan will, this Spring, erect a 50 by 90 ft. house.

KNOXVILLE, TENN.—H. M. Stetzer is enlarging his greenhouse and will install a new boiler.

West Grove, Pa.

The congratulations and well wishes of the trade are extended to Robert Pyle, president of the Conard & Jones Co. who, on March 15, is to be married to an estimable young lady.

Detroit

A tolerably busy week saw an overabundance of all kinds of flowers shipped to the local market, which ended in a complete demoralization of retail prices. A most brilliant Spring day last Saturday brought fakirs and buyers out in force, and by night most all surplus stock was cleaned up.

J. F. Sullivan's Saturday special was Carnations, and he managed to dispose of over 10,000.

Violets are very plentiful now and sell at $1.50 per 100. Otherwise, matters are moving along nicely with a very good stock of pot plants in sight for Easter. Some wholesalers are in fear though that the present warm Spring-like weather may bring Roses and Carnations along too fast, and cause an ultimate shortage of these flowers around Easter.

Breitmeyer's Lilies for the Easter market are locally considered to be far the best, being medium high, stocky plants with 5 to 7 buds on each stalk.

FRANK DANZER.

HEATING QUERIES

Conducted by U. G. Scollay

Inquirers Read This

Subscribers asking questions for Heating Problems must be particular to give the following: Length, width, height at ridge, height at eaves, glass on sides, glass on ends, position of house as regards points of compass, grade of house, location of boiler pit, size of boiler pit, depth of boiler pit, size and location of chimney, temperature desired in each house, whether steam or hot water is used for heating, number of pipes and size in each house, dimension and position of benches, location of doors. The above information I must have before I can answer any definite questions regarding any heating plants already installed.

If the inquiry is for proposed new house or houses, send full measurements of the houses as described above, including glass, proposed location of boiler pit, proposed location of chimney, position of house as regards points of compass, number and position of benches, temperature required of purposes for which the houses are intended; whether steam or hot water heat desired.

Subscribers who may contemplate asking for information regarding heating apparatus are particularly requested to cut this out, so that when they write, the questions will be answered fully, and will save time and help the writer materially to arrive at the proper conclusions. U. G. Scollay.

My hot water heating does not work right. I enclose a plan from which you will see the top of boiler is three feet higher than the coil in store. The two lower pipes in the coil never get hot. When I have a good fire in boiler it drives the water out of the expansion tank. I have air vent on my flow pipes. The boiler is 6 ft. high; it is a six or seven horse power high pressure boiler. I do not get much work out of this boiler; it should do four times as much. —J. M., N. Y.

—I assume that your main trouble is with the coils in the store, and that the greenhouse works fairly well. Owing to the distance of the store from the boiler would advise that you increase the openings 2½", and connect into each of the 1¼" coils with 2½" pipe. The same proportion of sizes to govern the return. You have over 110 square feet heating surface in each coil, and 1¼" pipe in the position that these coils are, and taking into consideration also the position of the boiler, is not sufficient to properly take care of them. You must be careful to see that you raise from the boiler to the highest point and take an air vent from that point, and after reaching the highest point see that everything grades back toward the boiler. Even the coils would have the advantage by having the pitch to the boiler, providing you feed them from the far end of the coil.

You might overcome much of your difficulty by installing a heat generator at the boiler and connecting to the return pipe that leads from the expansion tank to the boiler. This would allow of increased pressure on the system and consequent higher temperature of the water in the pipes.

You do not mention the size of the greenhouse so I do not know the exact amount of heating surface you have on this particular job, but would say that this boiler should be able to take care of between 800 and 900 square feet of hot water radiation.

Be sure in case you use the heat generator to have a separate connection from the expansion tank, running into the system near the boiler; the heat generator should be placed on this pipe between the tank and the boiler.

Catalogs Received

A. DE MEYER, Ghent, Belgium, McHutchison & Co., sole agents, 17 Murray st., New York City.—Wholesale List for 1910, of Araucarias, Ficus, Dracænas, Palms, Azaleas, Rhododendrons, Begonias, Hydrangeas, Bay Trees and miscellaneous plants. The publication embraces 30 pages, and contains several full page illustrations covering views of the DeMeyer establishment.

WILLIAM H. MOON CO., Morrisville, Pa.—"Moon's Hardy Trees and Plants for Every Place and Purpose." This is the Company's 1910 catalog of Evergreens, Evergreen Shrubs, Trees, Flowering Shrubs, Hardy Plants, Garden Roses, Vines, Perennials, Ornamental Grasses and Hardy Fruits. The publication has evidently been prepared with great care and is profusely illustrated with unusually fine half-tones, many of them object lessons in landscape gardening and plantings for effect. The publication contains 80 pages, is printed on first-class paper stock and is bound in a handsome paper cover with illuminated title page.

Jack Rose Dahlias

LARGE UNDIVIDED CLUMPS

$15.00 per 100, or $2.00 per dozen.

W. C. WARD

577 Adams St., East Milton, Mass.

Please mention the Exchange when writing.

CARNATION CUTTINGS and PLANTS FOR SALE

A change in our plans enables us to offer the following cuttings and plants, from stock reserved for ourselves.

White Perfection, White Enchantress, Pink Enchantress, Winsor and Beacon Rooted Cuttings, $20.00 per 100, $2.50 per 10. Same sorts from 2½-in. pots, $30.00 per 100, $3.50 per 100.

The Florex Gardens, North Wales, Pa.

Please mention the Exchange when writing.

ROSES From 2-inch pots at Rose Lawn Greenhouses

Richmond, $3.00 per 100.
Kaiserin, $3.50 per 100.
My Maryland, $6.00 per 100.
White Killarney, $8.00 per 100.
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MYRTLE, Extra large, field-grown, two years old, for Cemetery and Park work. $6.00 per 100.

MYRTLE, rooted cuttings, by mail prepaid, 75c. per 100.

EXTRA NORWAY MAPLES, in quantity, 3 to 4 inches caliper.

DAHLIAS, 3000 mixed, divided, all good varieties, $35.00 per 1000.

SHEEP MANURE. The pure stuff, sold under this State's license, by the ton, or car lots, at the lowest rates; also in cartons for retail trade.

CANADA HARD WOOD ASHES by the 100 lbs or ton.

GRASS AND LAWN SEED in any quantity.

Buyers will do well to write me before placing orders.

Ask me for price on Laurus Latifolia by the car lot.

F. A. BOLLES, Coney Island Ave. and Avenue L **Brooklyn, N. Y.**

Please mention the Exchange when writing.

DUBUQUE, IA.—Harkett's Floral Nursery is to move its business to the Lyric Building, 9th and Main sts.

KINGSTON, N. Y.—The C. W. Brownell Co. has been incorporated to deal in Ferns and flowers. Capital $2000.

KALAMAZOO, MICH.—The Central Nursery & Floral Co. has moved its downtown office from 136 South Burdick st. to 104 East Main st.

CINCINNATI, O.—Hobert P. Dowling has been appointed receiver for the greenhouses and florist business of Brian P. Critchell.

HOMESTEAD, PA.—Faulk, the florist, has taken store quarters at 8th ave. and Amity st., and will occupy them about March 15. Jacob Elicker, florist, is also changing his quarters.

WHEELING, W. VA.—Arthur Langhans, florist, will on April 1, move his store to 1217 Chapline st. A large greenhouse will be a feature of the new quarters.

SUMNER, WASH.—The Woodland Floral Co. is starting in business near this town, having purchased a 10-acre property which it will plant to Dahlias and other herbaceous stock.

WAUKESHA, WIS.—Thos. Weaver & Son have disposed of their greenhouses and fruit farm to the Milwaukee Electric Railway & Light Co. The business, however, will be continued until June.

GREENFIELD, MASS.—William Kennedy, the well-known florist and horticulturist, with his wife, on March 2 were receiving the congratulations of their friends on their golden wedding anniversary. The happy pair were the recipients of many presents and testimonials.

Spring Trade Edition

Will be issued

next Saturday, March 19

Advertisers are requested to send in their copy early in the week. No abvertisements received after Wednesday night.

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Question Box

(62) **Geraniums for Name.**—I am sending you two Geraniums for name. I bought them for S. A. Nutt but the color does not look like some Nutt I have had. If it is Nutt and off color, is there anything I can use to restore the color? Do you think I can pinch them back at this time?—S. A. P., New York.

—Samples of Geraniums sent are the S. A. Nutt variety and we do not doubt but that when they are planted out or become established in your soil, you will be better satisfied with them. This Geranium has a tendency to vary a little, the true type being maintained by careful selection for propagating purposes.

(63) **Insects and Worms on Cinerarias, etc.**—I send you a phial containing a few specimens of a little white insect, and a few little worms with black heads. These I find always together, destroying the roots of Cinerarias, Narcissus and Dracænas especially. As I never saw them before I should be glad if you could give me advice how to destroy them, and, if possible, their names.—A. O., S. I., N. Y.

—Your phial was broken in transit and we did not find the worms. Would suggest you use lime water, or air-slaked lime or soot on the soil in the pots. Better still, make a small hole in the soil in each pot, or box, about 2 to 3 inches deep, into which pour a teaspoonful of bisulphide of carbon, filling the hole immediately with soil. The fumes from this will kill the worms. Evidently your soil is sour, and we would suggest repotting plants into fresh soil, after removing from the roots all that can be easily loosened.

(64) **Care of Spanish Iris.**—I have some Spanish Iris that have been in a cold frame all Winter. They were planted to bloom Decoration Day. The glass has been over them since about Dec. 1, and at night we keep them covered now, when cold, and on mild nights we ventilate. How must they be handled from now on? They are about three inches above the ground.—H. J. S.

—Had we known earlier in season we would have suggested planting bulbs of Spanish Iris in flats, for the reason that they can be handled much better in a temperature that is warmer than that in a cold frame. At this time of year one can hardly expect to have flowers on a certain day from cold frames, as the weather is so changeable that without means of controlling the temperature inside the frames we fail to see how it is possible to succeed; and if room could be found in a greenhouse we would suggest the careful lifting of the bulbs and planting them in a bench in a cool greenhouse, where a more even night temperature can be maintained. Plenty of ventilation and careful watering is necessary as well as keeping strict watch for slugs. Light manurial waterings would be beneficial. Treatment necessary for the growing of good Mignonette should be about right for the Iris.

Trade Notice

APHINE

To meet the increasing demand for small packages among our selling agents, we have decided to produce Aphine hereafter in gallon, quart, pint and half-pint cans.

Gallons $2.50
Quarts $1.00
Pints 65c.
Half-Pints 40c.

Jobbers' discount will be furnished to florists' supply houses upon application.

Aphine Manufacturing Company
Madison, N. J.
Please mention the Exchange when writing.

123 WARREN STREET
(Near West St.) NEW YORK

NOTICE

To My Friends and the Public.

I have leased part of the building at the above address for a term of years.

I am now in a position to serve my Friends and the Public more faithfully than ever, and will be greatly pleased to have an enquiry or call.

Tested and Reliable Seeds, Bulbs and Plants. Anything you want for the Garden.

And at Reasonable Prices.

You can pay more—you cannot get any better qualities.

C. McTAGGART
SEEDSMAN AND FLORIST
123 WARREN ST. (Near West St.)
NEW YORK

Please mention the Exchange when writing.

AZALEAS

We offer a fine lot of Azaleas, shapely specimens, well "headed," double and single flowered, which should make splendid plants for Easter sale.

We offer the well known and popular sorts:

Mme. Van der Cruyssen, Niobe, Deutsche Perle, Mme. C. Van Langenhove, Vervaeneana, Empress of India, Helen Thielman and Simon Mardner.

	Per doz.	Per 100
10 to 12 inch heads - - -	$6.00	$45.00
12 to 14 " " - - -	7.00	55.00
14 to 15 " " - - -	10.00	75.00

6 sold at dozen rates, 25 at 100 rates.

Peter Henderson & Co.

35 and 37 Cortlandt Street, NEW YORK

Please mention the Exchange when writing.

EASTER LILIES

12 Cents per Bud, or Bloom

Nothing Shipped After March 21st

Terms Cash

H. F. Littlefield

Worcester, Mass.

Please mention the Exchange when writing.

EASTER LILIES

Just Right for Easter. 3 to 6 buds to the plant; 10 cents a bud.

300 'MUMS, Pacific Supreme, 2-in., $2.00 per 100.

CASH PLEASE

JOHN F. HORN & BRO.

20 North 6th St., Allentown, Pa.

Please mention the Exchange when writing.

CROTONS

Fine varieties, first-class plants, highly colored, 25c., 35c., 60c., 75c. and $1.00 each.

DRACAENA SANDERI, 3-in., 25c.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

Washington, D.C.

F. H. Kramer has some novelties in tub-grown Box bushes which are attracting much attention; the plants are well grown, of good size, and trimmed in shape of pyramids, arm chairs, fountains and roosters on pedestals.

An electrical storm of considerable severity, the first of the Spring, which came on the last day of February, was followed for six days by abnormally high temperatures and beautiful weather, when another thunderstorm visited us. The high temperatures are telling rapidly on all classes of trees and shrubbery, and in many places Forsythia is in full flower. A most unusual and beautiful sight to behold at this season is two lawns directly on the east side of the Capitol Building, where the grass has surpassed any seen elsewhere by attaining a uniform height of about four inches.

Local Violet growers are entering their usual complaint incident to the season, regarding the overproduction of Violets and slow demand. One grower claims that 50,000 flowers are going to waste on his plants alone. The street fakirs are beginning to appear with Violets and occasionally a few other Spring blossoms, but they are numerically weak as compared with former years.

The stores about town are well filled with good qualities of Azaleas and bulbous stock. The dark pink Azalea is in high favor this season.

Novelties for St. Patrick's Day are already being shown, save the green Carnation, so popular, and which is to come a day or so previous to the feast. Artificial Irish Potatoes with a spray of Shamrock, clay pipes with same, and basket-shaped pipes filled with flowers and tied with green ribbon are among the leaders in public favor.

The unsightly old greenhouses of the Department of Agriculture, which for years have served for experimental work of the Department, at 14th and B. sts. S. W., have at last been razed to the ground and replaced with six modern even span houses, and a large Banana house 30 ft. high, all erected on the west side of the new marble office building which is nearing completion. These houses, which are rapidly being filled with a miscellaneous stock, are under the direct charge of David Bisset. The other large range of houses at 14th and B. sts., N. W., where the Carnations, Roses, etc., are grown for the Department, present a good appearance throughout. The Carnations here have been especially fine this season, but like elsewhere in overproduction. The solid beds have again made good in every instance. This range, which originally was heated by exhaust stream from the power plant opposite, is now maintained by the large and perfectly equipped steam plant under the new office building. It also cares for the other newly erected greenhouses, all of which are under the superintendence of E. M. Byrnes.

When that cordial gentleman, able florist, and typical type of the "Scotch gardener," John Clark, asst. supt. of the U. S. Botanical Gardens, returned a few months ago from a trip to Scotland, he brought some novelties and new additions to the Gardens. Among these are Alocasia Sanderiana superba and nobilis from his native country. From Sanders in England he secured new plants—Pereskia Goodreffearia and Selaginella, and a plant of Emiliana aurea; these are said to be rare, and in their welfare Mr. Clark takes much pride. But the "joy forever" is a plant of Begonias, Glory of Cincinnati, presented personally by Mr. Petersen of that city. The plant is of the Gloire de Lorraine type, but it is described in detail by Mr. Clark as far superior to any of the Begonia family which he has seen. The magnificent clusters of deep pink flowers and large, richly colored leaves combine to hold the plant in good shape for two months at a time. In Ferns Mr. Clarke showed the new crested variety of Nephrolepis Scottii, under label of N. Schoelzeli which is quite distinct and promising. A considerable number of fine Orchids were flowering, but none were more showy and beautiful than a collection of Dendrobium nobile in full and profuse blossom.

JAS. L. CARBERY.

MANKATO, MINN.—The greenhouse of E. C. Willard, in this town, was burned to the ground February 25.

COLUMBUS, O.—Julius E. Raether, of the Franklin Park Floral Co. has been appointed florist for the Columbus State Hospital.

2000 Easter Lilies

Plants Just Right for Easter

From 1½ to 3 feet high, from 3 to 6 buds to the plant, 10 cents per bud or flower.

Cash with order please.

Christian Dehn

Saratoga Springs, N. Y.

Please mention the Exchange when writing.

FLOWERING PLANTS FOR EASTER

LILY PLANTS, 3 to 6 flowers per plant, 12c. per flower.
AZALEA PLANTS, 75c., $1.00, $1.25, $1.50 per plant.
HYDRANGEAS (white), 3 to 4 blooms, 5-in. pots, $4.00 per dozen; 4 to 6 blooms, 6-in. pots, $8.00 per dozen.
CINERARIAS, large stocky plants, 6-in. pots, buds just opening, $35.00 per 100.
BABY RAMBLER ROSES, 6-in. pots, standing 2½ to 3 feet, $12.00 per doz; 7-in. pots, standing 3 feet, $15.00 per doz.
DAISY PLANTS, 2½-in. pots, right for Easter flowers, $5.00 per 100; 5-in. pots, right for Easter flowers, $2.40 per doz.; 8-in. pots, standing 2½ feet high, $9.00 per doz.; 10-in. pots, $2.00 per plant.
SPIRAEAS, 6-in. pot plants, $35.00 per 100; 7-in. pot plants, $50.00 per 100.
HYACINTHS, 4-in. pots, $12.00 per 100.
DOUBLE TULIPS, 5 plants to 5-in. pot, $25.00 per 100.

J. WILLIAM COLFLESH,
53rd & Woodland Ave., PHILADELPHIA

Please mention the Exchange when writing.

EASTER PLANTS

SPIRAEAS, 6-in. pots, 25c. to 50c. each.
LILIES, 10c. a bud.
RHODODENDRONS, 75c. to $1.00 a plant.
AZALEAS, 50c. to $1.00 each.
AMERICAN BEAUTY ROSE PLANTS, 15c. a bud; other ROSE PLANTS, 15c. to 50c. a plant; RAMBLERS, 50c. to $1.00, 5 and 6-in. pots.
CINERARIAS, 25c. each.
HARDY AZALEAS, 75c. to $1.00 each.
BLEEDING HEARTS, 25c. a pot.

Just right for Easter. Cash please.

FRANK B. RINE,
LEWISBURG, PA.

Please mention the Exchange when writing.

ORCHIDS

We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawrenceana, Gaskelliana, Dowiana and Percivalliana. Write to-day.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

Please mention the Exchange when writing.

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants; also importations coming, which we offer at advantageous prices.

ORDONEZ BROS., 41 W. 28th St. New York also Madison, N. J.

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ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, ST. ALBANS, ENGLAND

and 235 Broadway, Room 1, New York City

Please mention the Exchange when writing.

ORCHIDS

CATTLEYA Warneri, C. Harrisoniae, C. Gaskelliana, C. Gigas, Hardyana type; DENDROBIUM Phalaenopsis, Schroederi; ODONTOGLOSSUM Luteo-purpureum, Sceptrum.

LAGER & HURRELL, Summit, N. J.

Please mention the Exchange when writing.

The American Carnation Price $3.50

A. T. De La Mare Ptg. & Pub. Co., 2 Duane St., New York

EASTER—EASTER

EASTER LILIES (in pots) $12.50 per 100

ROSES—American Beauties, Brides and Bridesmaids, Richmonds, Killarneys, Pink and White, Marylands.
CARNATIONS, LILY OF THE VALLEY, TULIPS—La Reine and Murillo.
DAFFODILS and JONQUILS—best varieties, SINGLE and DOUBLE VIOLETS, CUT EASTER and CALLA LILIES, PANSIES, SWEET PEAS, MIGNONETTE, MARGUERITES.
SMILAX, ASPARAGUS—Sprengeri and Plumosus, CROWEANUM FERN.

BEST QUALITY FLOWERS AT THE LOWEST MARKET PRICES

We also carry a full line of Florists' Supplies and Hardy Cut Evergreens, such as Dagger and Fancy Ferns, Bronze and Green Galax, Cut Boxwood Sprays, Festooning and Branch Laurel, Leucothoe Sprays, Green and Sphagnum Moss.

Henry M. Robinson & Co.

15 Province Street BOSTON, MASS. 9 Chapman Place

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We Never Disappoint. Satisfaction Guaranteed. Orders placed with us mean that you can depend on us.

Please mention the Exchange when writing.

Heliotrope Novelty "Deutsche Schone"

From Moeller's Deutsche Gaertner-Zeitung.

NEW HELIOTROPE DEUTSCHE SCHOENE (German Beauty).—This novelty is a cross between Frau G. von Poschinger and Frau Medicinalrat Lederle, the result of experiments made by O. Kowalski of Burg, near Magdeburg, Germany, with a view to obtaining a Lederle heliotrope of more attractive appearance. German Beauty is a plant of splendidly vigorous habit with dark green stiff leaves, like those of the well-known old sort, Anna Turell. The trusses are very large and spreading, and the color of the flowers is a pure dark violet blue; they have a delicate perfume. This novelty is considered as the best of the present day Heliotropes. It is offered by Teupel Bros of Quedlinburg, Germany.—*Moeller's Deutsche Gaertner-Zeitung.*

Easter Lilies

With Clean Foliage and Fair Length of Stem

Price per Bud or Bloom, cut, 10 cents; in pots, 12 cents, but the latter only shipped by team to short distances.

TERMS CASH

FLORAL HILL GARDENS

G. F. NEIPP, Prop. Chatham, N. J.

Please mention the Exchange when writing.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

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The address label indicates the date when subscription expires and is our only receipt therefor.

Registered Cable Address: Florex, Newyork.

Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 6 p.m. Wednesday and marked "Night Press Message, Collect."

Peach "Brown Rot" and "Black Spot"

As the result of experimental work by the U. S. Department of Agriculture, a cheap and simple remedy for these diseases has been found in the self-boiled lime-sulphur wash. This can be applied during the growing season with very little danger of injuring the fruit or foliage, and it is very effective. Furthermore, by mixing arsenate of lead with the fungicide, the curculio can be destroyed at the same time. The Department has just issued a bulletin describing the preparation and use of the remedy.

Parcel Post and Second Class Mail

These two items still continue to absorb attention and will do so, we trust, until both are finally and decisively settled in favor of the right.

Speaking on these matters recently at a meeting in New York, former Second Assistant Postmaster-General W. S. Shallenberger, a gentleman whose experience certainly entitles him to a hearing and to credence said, in part:

"It is not a question of overpaying the railroads, nor of spending too much money on the rural mail delivery system, nor paying too much for the pneumatic tube service, but it is the underworking of all these facilities that are the causes of the postal deficit.

"We are not getting the service and the revenues out of the facilities that we could and should easily obtain by the proper intelligent effort," he added.

"The postal service does not deserve the criticism that has been heaped upon it, for the reason that the figures presented by the Post Office Department to the President, and by him voiced in his message to Congress, have no substantial basis on which to stand. The proper cost of transporting and handling mail matter is not as represented.

"The comparison with express matter, which was the primary object of these investigations, has not been attempted. The basis upon which express matter stands is a percentage of gross revenue; the basis on which postal matters stand, according to the reports referred to, is a flat per pound rate. No other country in the Postal Union, not even this country in its foreign mail service, accepts any other basis of gross revenue received as determining the proper cost of transportation.

"The fact is, as has already been pointed out, we are not utilizing our facilities as we might, and, therefore, not receiving the revenue that we should.

"We are not utilizing our rural mail delivery. We have there already the foundations of an excellent parcel post, reaching almost every family, adding materially to the convenience and enjoyment of rural life and at the same time adding to the revenue of the government.

"We are not utilizing our railroads to anything like the full extent. Following suggested methods, we could reduce the present expense of handling second class matter materially. We could reduce the cost of handling parcels. We could reduce the cost of handling light merchandise in city and country by eliminating the duplication of delivery agencies.

"In my judgment, we are getting all the revenue from second class matter that it will stand. We are giving to the people an education in literature and art that supplements a public school education. We are paying the railroads for the carriage of that matter 30 per cent. of its gross revenue. We are paying no more than 30 per cent. of the gross revenue derived from mail carried on railroads on that or any other class of mail matter. This compares favorably with 45 to 55 per cent. paid by express companies."

Lettergrams

Commencing with this week the Western Union and the Postal Telegraph Co. have inaugurated a service of value to business men. These companies now accept letters of fifty words for transmission at night and delivery at opening of business the following morning, at a charge based on one-fifth of the day rate. In other words a telegram can be sent at night, containing five times the number of words of a day message, at the day rate.

Greenhouse Construction and Heating

A series of papers on Greenhouse Construction and Heating, written by two of the most eminent men in the business, starts with this issue.

The first two articles are by Fred'k J. Elder, heating engineer for the Lord & Burnham Co., and the subject matter is confined entirely to heating, illustrated by diagrams.

Succeeding this will be given, commencing with our issue of March 26, a series of articles by John A. Payne, as follows: 1, Plan for Future; 2, General Arrangement; 3, Form and Size of Houses; 4, Material; 5, Ventilation; 6, Benches; 7, Potting Shed; 8, Heating; 9, Boiler Room. In these articles the author will deal with the entire subject of greenhouse construction and heating and will include descriptions of all the latest improvements in every line covered.

These articles will appear at an opportune time and should be of considerable value, more particularly to those who are planning extensions and new structures.

For Pure Insecticides

The Lowden bill for preventing the manufacture, sale or transportation of adulterated or misbranded Paris greens, lead arsenates and other insecticides and fungicides had a hearing last Tuesday before the House Committee on Interstate Commerce at Washington. The measure also provides regulations for the traffic in those insecticides and is designed to protect the growers' interests.

E. D. Sanderson of the New Hampshire Agri. Exp. Station, president of the National Association of Entomologists, declared that one-tenth of the agricultural products of the country were lost because of the ravages of insects, and another one-tenth from fungous diseases. Other speakers were J. H. Hale of Connecticut; E. W. Catchpole, president of the Cornell Horticultural Union; H. F. Baker, president of the Thomson Chemical Co. of Baltimore; E. W. Worshom, State Entomologist of Georgia; John B. Smith, State Entomologist of New Jersey, and T. P. Symons, State Entomologist of Maryland. All the speakers favored the bill. Later a hearing will be given the chemical and entomological bureau representatives from the Department of Agriculture.

The American Rose Society

Program of Proceedings for Annual Meeting

The annual meeting of the American Rose Society will open at 7.30 p.m., sharp, on Wednesday, March 16, in the American Museum of Natural History, 77th st. and Columbus ave., New York City.

The transaction of business will be in the following order: Opening address by President August F. Poehlmann. Reading minutes of previous session. Secretary's report. Treasurer's report. Report of committees. Selection of place for next year's meeting. Miscellaneous business. Election of officers. Appointment of committees. Adjournment, as business may require.

A question box will be open at the secretary's desk.

Under the order of essays and discussions, addresses will be made as follows:

First Session.—Paper by Adolph Farenwald, Roslyn, Pa. "Roses—the brightest of Flowers." Paper by S. B. Sibson, Portland, Ore., "North Pacific Coast Roses."

Second Regular Session.—Thursday afternoon at 2.30 p.m., sharp. Address by James Wood, Mt. Kisco, N. Y., president of the Horticultural Society of New York. "The Ideals of Horticulture." Lecture by George V. Nash, secretary of the Horticultural Society of New York, "The Rose and Its History," illustrated with colored lantern slides.

The American Rose Society fixed no hotel headquarters in the city, as all the business pertaining to the annual meeting will be transacted at the American Museum of Natural History.

There has been another prize of $10 offered by S. J. Reuter & Son, Inc., Westerly, R. I., for the best vase of My Maryland Roses, 50 blooms.

Joseph A. Manda is the manager of the exhibition.

The Horticultural Society of New York has issued a joint premium list with the American Rose Society, and in that list the value of the silver cup offered by Moore, Hentz & Nash of New York City, should be placed at $50. It is listed as Number 190 in Division F.

Benjamin Hammond, Sec.

Fishkill Landing, N. Y., March 5, 1910.

Our 1910 Novelty Edition

We are in receipt of congratulatory letters from all over the country in praise of our Novelty edition, which was issued Feb. 26. The encouragement received is appreciated and will nerve us to repeat the undertaking in 1911.

Exhibition of the Nat'l Ass'n of Gardeners

The annual flower show and convention of the National Association of Gardeners will be held in Philadelphia, March 15, 16 and 17, in conjunction with the Spring Show of the Pennsylvania Horticultural Society.

The preliminary schedule of the N. A. G. covers some sixty classes, embracing Carnations, Roses, cut flowers of all bulbs and tuberous plants, Orchids, miscellaneous plants and under-glass grown vegetables. In the Carnation class cups are offered by Robert Craig, F. R. Pierson, Peter Henderson & Co. and Rickards Bros. In Roses, cups are offered by George Bertanzel, The Chronicle Press, Benjamin Hammond, Bobbink & Atkins, Hitchings & Co., P. H. Goodsell, Gold Chemical Co., Ellwanger & Barry and The Weathered Co. Michael Fallon and F. J. Michell offer cups for cut flowers, tuberous and bulbous. Lager & Hurrell, Julius Roehrs Co. and Joseph A. Manda offer cups in the Orchid section. Lord & Burnham Co. offer a gold medal for the best group of flowers and foliage plants and William Kleinheinz, a silver cup. Wilson Plant & Fertilizer Co. offer a cup for the best twelve foliage plants. Cups are offered by W. Atlee Burpee and J. P. Sorenson for Sweet Pea exhibits. Burnett Bros. offer a silver cup for the best six plants of Cineraria Hybrida. There are also a number of other cups offered in the different classes as well as certificates.

The Pennsylvania Horticultural Society's schedule includes the Henry A. Dreer premiums amounting to $126, for Roses and other plants; the Henry F. Michell Company's premiums, amounting to $200, for bulbous stock, Lilies and other plants; and the Hosea Waterer premiums, amounting to $215, for bulbous stock and other plants.

The joint exhibitions will be held in Horticultural Hall, Broad st. below Locust st., Philadelphia, Pa.

Copies of the schedules may be obtained from the N. A. G. secretary, W. E. Maynard, 236 William st., New York City, or David Rust, secretary of the Penna. Hort. Soc., at the Hall.

American Association of Nurserymen

Thirty-fifth Annual Convention

There is every indication that this year's gathering of the nurserymen of the United States at Denver, Colorado, June 8, 9 and 10, will be both large and enthusiastic. The new secretary, John Hall of Rochester, N. Y., is busy looking after details, and expects shortly to issue a circular letter to members setting forth the arrangements made for hotel accommodations and terms, as well as information concerning railroad rates and special offers. The Brown Palace Hotel has been selected as headquarters. It is a thoroughly modern, fireproof building, all large outside rooms, and under excellent management.

Those who know anything about "The Queen City of the Plains" are aware that it is a popular convention city, and an ideal place for the assembling of an organization like that of the American nurserymen in "the month of Roses."

The entertainment committee has not been asleep, either. Chairman Frank A. Weber, Peter Youngers and A. M. Ferguson recently met in Denver, and arranged for the following entertainment to be given by the Western nurserymen to the members attending the national convention of the American Association of Nurserymen:

Afternoon of June 8. The ladies will be given a sightseeing trip through Denver and vicinity.

Afternoon of June 9. The ladies will be entertained at a matinee in one of the theaters.

Friday, June 10 (subject to the action of the program committee). The committee has arranged for a sightseeing trip over the Moffat route to Corona, for the members and their ladies. This is said to be the finest scenic route out of Denver, and has been styled by eminent civil engineers as the greatest piece of engineering in the world. This trip will be complimentary to members and their ladies, and it is hoped the nurserymen will take advantage of this splendid display of hospitality on the part of their Western brethren. Luncheon will be served on the trip. A special train will leave Denver at a convenient hour in the morning, returning in the late afternoon.

Other features have been arranged, and will be announced later. The Western nurserymen hope that the members from the East will be well represented. Besides those already mentioned, the members of the entertainment committee are: F. H. Stannard, ex-officio; J. W. Hill, C. G. Ferguson and George B. Fravert.

Secretary Hall is exceedingly anxious that members will anticipate his circular letter and be ready to give quick response to his appeal for membership fees and for advertisements and registration in the badge-book. "First come first served," is his motto.

ANNUAL SPRING TRADE EDITION
March 19, 1910

OUR first Spring Trade Edition was issued in March, 1890; consequently this forthcoming issue will be our twenty-first—**and every one a success.**

Despite competition and the business changes of a score of years, our Spring Trade Edition has always met with the hearty support of our advertisers. Years ago we called it our

Spring Trade, Sale, Mart and Exchange Number

BECAUSE IT CLEARED UP STOCKS

From now on, hundreds of growers have surplus stock to dispose of, while other thousands of growers are waiting to buy from these advertisers. Therefore,

If you have any Stock to Sell / If you have to Buy any Stock } ***Try This Issue***

Advertisements should reach us by or before March 16—**that's next Wednesday.** Try an inch, a column or page advertisement, according to your requirements.

"JUDICIOUS ADVERTISING PAYS"

Pubrs. THE FLORISTS' EXCHANGE

Single Branch of Hybrid Dahlia Plant
Dahlia chisolmii ♀ × Twentieth Century Dahlia ♀

Experiments in Crossing Dahlias

From "New Methods of Plant Breeding," by Geo. W. Oliver.—Bulletin No. 167 of the Bureau of Plant Industry, U. S. Dept. of Agriculture.

The original Twentieth Century Dahlia was used in pollinating a new species from Mexico four years ago. This species has very small, bright red flowers, and the stems are exceedingly long. The larger and very rough leaves are produced near the crown of the plant, leaving the principal stems with only very small leaves. The flowers of the Mexican plant were depollinated and pollen applied to three of the flowers. Sixteen seedlings resulted; the small number of seeds was probably due to the fact that the mother plants were growing in small pots in the greenhouse and did not flower till after the outdoor crop had been blackened by frost. The pollen was obtained from flowers which had been saved and kept in water.

The resulting first generation seedlings were strictly intermediate between the parents, all of them with very long stems, but the varieties were not striking enough in color or size of flower to warrant vegetative propagation. The best of them were bagged and allowed to set seeds. The seedlings of the following season gave a very large assortment of forms, and the colors were more varied than those of the first generation. About fifty forms were saved for further crossing and selection. The following Summer the best of these were crossed with pollen from the Cactus and other varieties. As a result a few crosses were produced which show that varieties may be raised in this way with large and well formed flowers, some of them equal in these respects to some of our best varieties bred from plants in cultivation for nearly a century. One of the forms with single flowers is shown in plate herewith.

Crossing Cultivated Varieties on Natural Species

Pansies

To show what might be expected in renewing the vigor of some varieties by crossing them on wild progenitors, it may be permissible to mention some work in the improvement of the common Pansy in an attempt to enable it to better withstand our hot Summers. Some time ago a number of plants of Viola tricolor were found growing luxuriantly in southern California in hot and dry places. Even far down in the Imperial Valley, where the temperature frequently reaches a stage unheard of in the East, the plants seemed at home.

The idea suggested itself that this plant might be of use in imparting heat-resistant characters to the cultivated Pansies. Plants were raised from the seed gathered and pollen from a strain of Pansies applied to the stigmas of the wild plants. Some of the flowers of the first generation progeny are shown in our illustration. The petals were removed from the flowers of the wild plant and their stigmas cleared of pollen with the aid of water previous to pollinating. All the plants secured have fair sized flowers, more or less resembling in color and markings those of the wild type. The foliage more closely resembles the mother than it does the father. Recrossing, with pollen from a good strain the present season will probably give the desired size next season.

Flowers from First-Generation Seedlings of Crosses of Pansies (Natural Size)
Viola tricolor ♀ × cultivated forms ♂. The row of flowers at the bottom is *Viola tricolor* uncultivated.

Lilium giganteum
Grown by Peter Roemer, Woodlawn, N. Y.

A Well Flowered Lilium Giganteum

The photograph sent herewith, will, I trust, be of some interest to your readers. The fact that there are twelve flowers on one stem not only makes it a rare specimen, but also adds greatly to the beauty of the plant.

New York City. PETER ROEMER.

Among the Growers

Godfrey Aschmann, Philadelphia, Pa.

Visitors to the establishment of Godfrey Aschmann, Philadelphia, will find much to interest them for the Easter trade. Plants of every description are carried in stock. Lilies, giganteum, multiflorum and Formosum, Azaleas in all sizes and varieties, including Van Der Cruyssen, Verveneana, Simon Mardner, Deutsche Perle, Prof. Wolters, and others are all well budded, and show the results of much care.

Hydrangea Otaksa will be just about right to handle, the large stock of plants having from three to eight large trusses of fine blooms to each plant.

Hyacinths raised from best selected bulbs in all colors, and giving good strong spikes, are in plenty. Tulips and Narcissus are also among the bulbous stock grown for the increasing demand. Cinerarias, Begonias—new improved Erfordii—Primula obconica, Begonia Flambeau, as well as many decorative and specimen Ferns are grown in quantity, as well as Ferns for table use, Latania Borbonica and Kentia Belmoreana.

Mr. Aschmann receives many orders daily, some of which come from customers who have bought his goods for many years. Firms in Peru, Mexico and California have placed orders at this establishment, and credit must be given for the good packing methods employed when it is known these goods arrive in fine condition after their long journey.

Constant advertising has brought this florist's name very prominently before the trade.

In his efforts to secure the best stock to be had, annual trips to Holland and Belgium are made, so that what is secured is usually selected from the fields where it is growing.

Connected with Mr. Aschmann in his business are his three sons, who are thoroughly experienced in all its branches, and upon whom most of the actual labor of producing plants of "Aschmann quality" rests.

Robert Craig Co., Philadelphia, Pa.

A visit to this establishment is very interestesting at this time of year, especially in the case of store men who are somewhat anxious as to the amount and quality of stock to be offered them for Easter, by the wholesaler growers of plants and cut flowers in all the larger cities. The fact that Easter occurs this year at an early date has presented a serious proposition to many growers, and those having stock in good shape should find no difficulty in disposing of it readily. All the Craig houses are full of good things, and special mention must be made of the Rambler Roses. These plants were pot grown last Summer and the results have shown wise forethought The plants have been trained in many ways, globular and fan shapes predominating All the well-known varieties have been grown, including Crimson Rambler, Tausendschon, Hiawatha, Lady Gay and Dorothy Perkins. Standards, double budded, white and red Baby Rambler on same plant, white Baby and others, as well as the well-known bush form of Baby Dorothy, and Mrs. Cutbush, the new pink Baby Rambler, are all filled with flower buds, while the foliage is all that can be desired.

Lilies have been quite a proposition with the concern, and the labor which has been expended to get the enormous quantity of plants into bloom has been unending. Now the several houses of Formosum and giganteum present a fine appearance. Nearly all of the plants will be in good shape to ship.

Hydrangea Otaksa has finished remarkably well, considering the short space of time available in which to accomplish the result, consequently plants having from 3 to 12 heads of fine pink blossoms are the rule and not the exception.

Azaleas in all the best known varieties are on hand in immense quantities, from the small plant in a 4"-pot up to the largest size in tubs. Small plants of Azaleas for use in basket work have become very popular of late years, as well as Azalea mollis in variety.

An unusual stock of Hybrid Roses is on hand. Richmond, Kaiserin, Mrs. Henshaw, Killarney, Magna Charta and others forming a complete list for selection, all of which are well budded.

The Rhododendrons, especially the Pink Pearl variety, have that beautiful dark green foliage so necessary to the beauty of these plants, and when crowned with masses of heavy trusses of bloom the effect is charming, and as Easter plants they are second to none.

Marguerites, Oranges, Ferns of every description, Dracænas, Crotons, and many other useful decorative plants are also on view, while a whole house of Spiræa Gladstone presents a sight hardly to be forgotten. The pink Spiræa, Queen Alexandra, should appeal to those seeking something new and novel, and is, besides, well flowered and thrifty.

Bougainvillea glabra Sanderiana has been finished remarkably well, and at very few places in the country can so fine a sight be seen as a house full of these plants in bloom. They are of various sizes, low, and exceptionally well flowered Other plants offered by the company are English Hawthorns, standard Prunus, flowering Apples and Almonds, Double Daisy Queen Alexandra, Wistaria (blue) and many more, too numerous to mention. Incidentally, it may be said that a larger stock of Begonia Lorraine, propagated from leaves and now in 2¼"-pots, would be hard to find in the East. Cyclamen seedlings to the number of 75,000 have been recently transplanted, all of which are doing fairly well; many of the first sowing have reached the 4"-pot size.

COSMOS HYBRIDA GRANDIFLORA PURPUREA.—This is a valuable novelty introduced by the Cosmos specialist, F. Roemer of Quedlinburg, Germany. The flowers are about 3½ in. in diameter, single, and of a bright purple. The plant grows to a height of nearly 4½ ft. and is much branched; the foliage is very delicate and graceful. If sown toward the end of March in pots in hotbeds it may be transplanted by the middle of May; it will begin to bloom by the end of June, and from that time on the plant is covered throughout the Summer and Fall by a mass of flowers. As these have splendid keeping qualities when cut this Cosmos is especially suited for florists' purposes.—Der Handelsgaertner.

Morris Co. (N. J.) Gardeners and Florists' Soc.

We have received a copy of the preliminary schedule of the prizes to be awarded at the fifteenth annual flower show of the Morris County Gardeners and Florists' Society to be held in conjunction with the show of the Chrysanthemum Society of America at Morristown, N. J., Nov. 2-4, 1910.

The prizes offered by the Society amount in the aggregate to $2500, and include a sweepstake cup valued at $150. The additional offerings of the C. S. A. and others will swell the sum total of prizes very considerably.

The Chrysanthemum classes are numerous and the premiums quite generous. Among the more important may be mentioned:

Class 1, covering 60 flowers in 20 varieties, 3 of each, to be shown in twenty vases, lengths of stems 20 inches; three prizes, $100, $60 and $40 respectively.

Class 2, for 36 flowers in 6 varieties, 6 of each; prizes, $40, $30 and $20.

Class 16, for 24 flowers in 24 varieties, stems not over 12 inches, to be shown in single vases; prizes $50, $30 and $20.

Class 22, for 36 flowers in 36 varieties, stems not to exceed 12 inches, to be shown on mossed boards; prizes $25, $15 and $10.

The Chrysanthemum classes for commercial florists are as follows:

Classes 23 to 27, for the best 10 flowers, yellow, white, pink and crimson varieties, and any other color; prizes in each class, $10, $7 and $5.

The Chrysanthemum Society of America will offer a grand array of special prizes in addition to its silver cup for the best 10 flowers of any Chrysanthemum, one variety.

W. Wells & Co., Merstham, Eng., offer gold, silver and silver gilt medals for best six flowers of Chrysanthemum Howard Gould; also gold, silver and silver gilt medals for the best three vases of single Chrysanthemums, in three varieties, 6 sprays of each variety.

C. H. Totty, Madison, N. J., offers a silver cup, value $50, for the best 12 flowers of Chrysanthemum R. F. Felton.

Wm. Duckham, Madison, N. J., offers for 6 flowers of Chrysanthemum Onunda, 1st, $10; 2nd, $5.

Anton C. Zvolanek, Bound Brook, N. J., offers for 3 varieties of Chrysanthemums, cut blooms, 3 flowers to a stem, one prize of $10.

The Morris County Gardeners' and Florists' Society offers a "Grand Sweepstake Prize" on the following conditions: A cash prize of $20 is offered to any winning member of any regularly organized floricultural or horticultural society exhibiting in this class, for the best 18 blooms, in 18 varieties, stems not to exceed 12 inches, to be shown in single vases. The competition for this prize is to be between members of the same society. The 1st prize exhibits of members of each society so competing will be judged for the grand sweepstake prize silver cup, value $150.

In groups, the principal Chrysanthemum class is No. 60, for a group of Chrysanthemums in pots, arranged for effect, on a floor space of 50 sq. ft., prizes $50, $30 and $20. Two other group classes, for 12 and 6 plants in pots carry prizes of $10 and $5 and $5 and $3 respectively.

There are separate classes for specimen plants, pot or tub, and size, pink, white, yellow, and any other color, prizes in each class $15, $10 and $5.

The Rose section includes fourteen classes, as follows:

Class 29, for 36 American Beauty, prizes $30, $20 and $10.

Class 30, for 12 American Beauty, prizes $10, $6 and $4.

Classes 31 to 36, for 25 each, Bride, Bridesmaid, pink Killarney, My Maryland, Richmond, and any other color, prizes $10, $6 and $4 in each class.

Class 37 to 42, are for 12 Roses each, in the same varieties as in classes 31 to 36, prizes $6, $4 and $2.

Floral Hill Gardens, Chatham, N. J.

Our illustration shows a house of the Floral Hill Gardens, at Chatham, N. J., of which G. F. Neipp is the proprietor. Built last year by the King Construction Co., it is 42 x 300 ft., and contains 30,000 giganteum Lilies which are of a very even growth and look exceedingly healthy. The photograph was taken just as the first buds could be seen, and they are coming on nicely for Easter. Another house of similar dimensions is stocked with Carnations, being in heavy crop now and of top grade. One house is devoted to Rose My Maryland; one to Asparagus plumosus. The two remaining houses contain miscellaneous stock, especially bulbous flowers, of which over 300,000 were produced this season. One of the specialties of this establishment is the raising of Asparagus plumosus from seed, the young plants from which are sent all over the United States.

New King Construction Greenhouse at Floral Hill Gardens, Chatham, N. J.

There are thirteen classes in the Carnation section, with first prizes $15, $10, $8, $6 and $5, and liberal second and third prizes. A special prize, cup value $25 or cash, is offered by Charles B. Gee of Madison for the best vase of 18 blooms, any undisseminated variety.

A notable offer in the plant section is the one in class 59, for a group of flowering and foliage plants, exclusive of Chrysanthemums, on a floor space of 100 sq. ft., arranged for effect; prizes $100, $75 and $50.

There is one class for Orchids, covering the best exhibit of Orchid plants, some cut flowers permissible, arranged for effect on a round table 6 ft. in diameter. The Aphine Manufacturing Co. of Madison, N. J., offers $50 as first prize; the other prizes are $15 and $10.

Arthur T. Boddington of New York offers a special prize for the best 12 distinct kinds of vegetables, to be judged under the rules specified by the M. C. G. & F. Soc., first $50, second $20, and third $10.

Copies of the schedule may be obtained on application to the secretary, Edward Reagan, Box 334, Morristown, N. J.

Horticultural Notes from Cuba

BY WM. FALCONER

It was February, a terrible month of snow and frost in Pittsburgh and the North generally, so my daughter and I hied us off to the balmy South, the land of sunshine and flowers; away down through Florida to Palm Beach, Miami and Knight's Key, and thence to the more congenial and frostless island of Cuba. Although we stopped at Richmond, Savannah, Jacksonville, St. Augustine and other cities of Florida, it would be too long a story to tell you about anything except some impressions of the new Republic in the West Indies.

Around Havana

Havana is a large and most beautiful city, busy and clean, and in its interior are many acres of park and prado. These are filled with tropical shade trees and shrubs, a liberal assortment of vines and garden flowers, and, in the prados especially, pretentious attempts at geometrical or carpet gardening. The lawn is Bermuda grass.

Park Bedding

The flower beds are accurately defined, banked 12 to 16 inches high with a slope of about ½ to 1, the banks being of closely shaved grass, but much more frequently of common Portulaca sborn to a dense carpet. On the level above these banks carpet designs are defined in Alternanthera, rose, red and yellow, and lettering in Pilea muscosa. The panels are variously filled, in fact this filling is their weakest point. Instead of using seedlings of Portulaca in the banks, they use cuttings, dibbling them in, four or five together, in holes 2 in. apart. Colon is the most pretentious park and right in the center of the city, but it is not as well kept as the prados, which were scrupulously neat and clean.

The Shade Trees

Most all of the shade trees, especially in the prados, are closely pollarded like Willows along a Dutch canal. What sacrilege, I thought, but it isn't so. Some months ago a cyclonic hurricane passed over the city, breaking the trees so badly that the park gardener pruned them all back to about a uniform height, under the circumstances in my judgment the best thing that could have been done with them, and now they are breaking into vigorous growth.

The commonest shade tree in Havana is Ficus religiosa; they call it "Poplar"; this name they also apply to Thespesia populnea, which is more sparingly planted; frequent also are "Laurel" (Ficus nitida), our common Rubber (Ficus elastica), and a very handsome, glossy, large, brown-rusty Rubber (Ficus ferruginea). In town and country the Cuba Bast tree (Paritium elatum) is much used; it now is in bloom, large yellow and red Hibiscus-like flowers.

Another bold tree is the Ceibo or Silk Cotton (Eriodendron anfractuosum), now full of big crimson-red blossoms. But nowhere did I see a Ceibo tree nearly as large as those I saw near Spanish Town, Jamaica, or in Nassau in the Bahamas. The Horse-Radish tree (Moriuga) is also full of small whitish blooms, and the Women's Tongue tree (Albizzia) is laden with dangling, chattering, yellow pods.

Here, still full of lacey foliage and many big brown pods, the Royal Poinciana is at home; later it will be an umbrella of fire. The Soapberry tree (Sapindus) looking not unlike an Ash is esteemed for shade. A frequent and refined appearing evergreen tree is Tecoma pentaphylla. The Sea Grape tree (Coccoloba uvifera), a small tree in southern Florida assumes large proportions here, and so does the tropical Almond (Terminalia Catappa), and both are common as highway shade trees. The Mexican Rubber tree (Castilloa elastica) grows finely in Cuba, and it is a smoldering question with some Orange growers whether to extend their Citrus plantations, or fill in close with Castilloa.

It is generally conceded that the Mexican Rubber is not quite as good as the Para Rubber (Hevea Braziliensis) but I didn't notice a Hevea plant in Cuba—there may be any number of them there though, for I saw only a small part of anything. Mango trees are as much at home here as in India and are used for shade, also shelter belts in Orange plantations. Cecropia palmata is a very vigorous tree with large palmate foliage white underneath, used in the parks.

The Australian "Pine" or Beefwood tree (Casuarina equisetifolia) so extensively used about Palm Beach and Miami is equally at home in Cuba and a good deal planted. I would strongly urge setting it out as a timber tree, for firewood and timber are scarce on the island. But the everlasting Palms prevail over the face of the whole earth, and the finest specimens of the Royal Palm I ever saw are at the Botanical Gardens, trunks 60 ft. high and as straight as a plummet.

The Smaller Trees

Among lesser trees not at all uncommon in cultivation are the Avocado Pear, the Sapodilla Plum, Mammee Apple, Custard Apple, Ginep, Rose Apple (Jambosa) and the Otaheite Gooseberry (Cicca). The Japanese Loquat does well and the China tree (Melia) grows like a weed. I saw several plants of the Akee Apple (Cupania), but they were not as happy as in more tropical parts. Tamarind trees made fine specimens. Mahogany was at home in a wild state.

Along the roadsides I noted several Calabash trees (Crescentia), and one of the most plentiful and beautiful trees was the Star Apple (Chrysophyllum) its satiny brown and golden leaves glistening in the sunshine. Erythrina umbrosa is a large native tree, and its branches are lopped and stuck into the ground for fence posts, and these posts take root and grow as Poplars and Willows do with us, and are now in full bloom. Although Eucalyptus trees grow fairly well they cannot compare in thrift with those on the Pacific Coast. E. robusta and E. resinifera are the two species I noticed.

Some of the Shrubs

Roses and shrubs hold a prominent place in all Cuban gardens, and there are large Rose nurseries in the vicinity of Havana. Most of the shrubs are evergreen and look well in or out of bloom, and a goodly number of Crotons, Dracænas, Acalyphas, Phyllanthus, Sanchezia and Pandanus are cultivated for their variegated or colored foliage alone.

Here, as in Florida, red Hibiscus and Oleanders are extravagantly planted. The orange Jessamine (Murraya exotica) and Crape Jessamine (Tabermemontana) are among the commonest and best, and little behind is the Pittosporum Tobira. Ixoras, white and red, are in bloom; Meyenia erecta, white and blue, is freely used; the blue Plumbago Capensis makes a big bush; the Frangipanis, with stout fleshy stems, delight in cultivation; and several varieties of Mountain Ebony (Bauhinia) brighten the gardens with large showy purple or whitish blossoms.

Melia floribunda is forever in bloom, and Allamanda Williamsii, Tecoma stans and Thivetta nerifolia all have their quota of yellow flowers. Hamelia patens is a dainty plant with orange flowers, but in the Botanical Garden in Havana I found it a little tree with stem 5 in. in caliper.

Several kinds of true Jasmines prevail, but preference seems to be given to gracillimum and pubescens. Daturas, 8 ft. high, were laden with their big white drooping trumpets, and the scarlet Malvaviscus seemed as happy as on the banks of the Brazos or in Mexico. By the way, Mr. G. W. Oliver of the Bureau of Plant Industry, Washington, showed me a fine specimen in bloom of a new species from Mexico, the flowers of which are very much larger and more showy than those of the old M. arboreus.

Both the day and night blooming Cestrums are among the commonest of garden plants, and have a double value, blossoms and fragrance by day or night, and then a load of Snowberries. Rank as a weed, but pretty and spreading into broad, dense patches, several times I found Clerodendron fœtidum with its purple fragrant flowers and malodorous leaves. A shrubby Morning Glory (Ipomœa fistulosa), 6 or 7 ft. high and full of large purple flowers, was quite interesting, and Jacobinia coccinea, red, and a yellow Justicia, in good bloom, were common in gardens.

Flowering Vines

In the way of vines, purple and red Bougainvilleas, yellow Bignonia, blue and white Clitoria, Balfour's Clerodendron, the great blue Thunbergia (Harrisii), and the little white one (fragrans), the Mexican Mountain Rose (Antigonon), and a few kinds of Morning Glories were in bloom.

Common Garden Flowers

Among common garden flowers lots of common annuals prevailed, such as Zinnias, African Marigolds, Drummond Phloxes, Candytuft, Celosias, Salvias, Four-o'clocks, Ageratum and the like. The Globe Amaranth (Gomphrena) judging from the quantity used is a favorite. The white Vinca has run wild. Bryophyllum abounds wherever it once got a foothold, and the same is true of Sansevierias. I saw Impatiens Sultani in splendid form there. Goldfussia isophylla, Eranthemum pulchellum, and Russelia juncea are common and never out of bloom; and one of the brightest plants, wild or cultivated, is the scarlet and yellow Asclepias curassavica. In the park were beds of Begonia ricinifolia doing well. And, amusing to me, one of the commonest plants in the park flower beds was the ordinary Balm, Ocimum basilicum.

Stray Notes from Abroad

BY T. A. WESTON

Apropos to Trade Jealousies I have ofttimes marveled at the spirit of good fellowship that appears to prevail among seedsmen and nurserymen throughout America, for while members of the trade on this side are generally friendly, there is not the true, brotherly attitude. A spirit of rivalry is actually beneficial, but among some of our men there is something bordering on jealousy, and at times it amounts to what one may term "getting trade anyhow, and by any means." Of course, it is not to be supposed that all U. S. A. growers and traders are free from the taint of unfairness, and the recent appeal by one of your men, a Mr. Dayton, indicates that some do lack the essential qualities that go to make up the spirit of friendliness. One of our own Carnation men, Mr. M. Allwood, has been calling on growers, on this side, for a little more square dealing, for the object of bettering the trade in general; while in the seed way we have had W. J. Unwin and Wm. Cuthbertson appealing for a similar state of affairs. The idea of securing business by means of dumping surpluses, undercutting prices, or by false claims and claptrap statements, is not calculated to improve the trade in general. The great failing over here is the lack of combination or cooperation, many of the most important firms holding off from anything that is likely to foster the true spirit of good fellowship.

The reason, perhaps, is that we have not a real trade combination such as you have in the S. A. F. & O. H. Our societies, R. H. S. and others, are largely made up of amateurs, and while the committees of such societies include many really good traders there is always a suspicion that one class or the other is seeking to come out on top.

Many of the amateurs possess the notion that traders are, in the main, seeking to make capital out of such societies; on the other hand, some of the traders suspect that the other class wants to call the tune, while they pay the piper.

The broadminded of both sections, I am sure, would like to see a better state of things existing, but until we have a general trade understanding, I fear we shall always have petty jealousies existing. I say petty, but actually these troubles are much deeper seated and in some instances culminate in tactics that border on the disgraceful.

Insecticide and Fungicide Advances The advance made in the production of insecticides and fungicides in recent years is not far short of remarkable, and both European and American chemists and scientists appear to be approaching the final stages of investigation.

I am led to make these remarks after reading Mr. Jos. Meehan's reference to the effectiveness of Scalecide for destroying scale insects. The success of Aphine in America is also indicative of the advance that is being made in the U. S. A. On this side we are being inundated with insect and fungus fighters, many of them probably being purely quacks, but nevertheless the success of some is nothing short of phenomenal. Soil fumigants for destroying all forms of soil insects are becoming very numerous, the simplicity of their use being a particularly valuable feature.

In addition, we have a real chemical soil sterilizer, which destroys disease spores, etc. as effectively as steam, without affecting the general character of the soil.

The washes and spray fluids for clearing off insects and diseases on plants and trees are legion, many of them accomplishing all that is claimed for them. One item that is attracting no small amount of attention is a German emulsion known as H. This fluid, when applied in varying strengths, proves itself to be not only an insecticide but fungicide also. It possesses a very pungent odor, which makes it useful for checking bird depredations. As a fruit wash it can be used in Winter for destroying larvæ and disease, while in Summer it is applicable for the same purpose. My own tests prove it a perfect annihilator of all forms of aphis on Roses, etc., effective as a remedy and preventive of mildew, and also of value as a remedy against spot on Carnations out-of-doors.

Recent experiments also tend to prove that it is a soil sterilizer, and destroyer of insects such as slugs, wireworms, etc., even the root aphis on Apples giving way before it. I hope to give this new emulsion a thorough testing during the coming season.

Flat Trained Fruit Trees Respecting flat trained fruit trees, mentioned by Mr. Meehan, I would point out that such trees, including Apples, Pears and Plums, are pruned twice yearly. All growths are pricked back to five or six leaves in July or early August, and cut back to two buds in the Winter.

The training is a simple matter if maiden trees are handled properly at the beginning. In cordons, the leaders must be allowed to have their head until the desired height is reached, and much the same applies to other forms.

The Late Henry A. Stone

Editor The Florists' Exchange:

I waut to thank you for printing the sketch of my father's life. For the last five years he had been an invalid from rheumatism but mentally he was bright as ever, and he kept his accounts and correspondence in shape until ten days before he died. He was a great reader, but "The Florists' Exchange" was his favorite paper, he read it from end to end, and would mark articles for me to read. I will continue the business until it is settled up. Possibly I may buy the property.

Kingston, N. Y. THOMAS A. STONE.

The Exchange Read by Uptodate Horticulturist

Editor The Florists' Exchange:

I wish to express my appreciation of the notice which you ran in the EXCHANGE relative to our wanting an assistant at this station. We have concluded that the EXCHANGE is read by every uptodate horticulturist in the United States. We received a long list of applications from a very competent set of men and have selected one that we think will fill the bill desirably.

C. B. WALDRON.

North Dakota Agri. College, March 5, 1910.

Remarkable Freedom from Mildew

Editor Florists' Exchange:

We would like very much an expression of opinion from your readers regarding the absence of Rose mildew in our houses. We are not Rose growers, but for the past five years have always had a few plants in the houses, including Crimson and Baby Ramblers, Hermosa, Clothilde Soupert, Ivory, Etoile de Lyon, Gruss an Teplitz, etc. There has never been any sulphur in the houses, which are run for Smilax exclusively, and are often very hot, close and moist; and in the Summer this is usually succeeded by very cold nights, the temperature often dropping to forty degrees or lower, as we are in the mountains—but we have never seen a trace of mildew on the Roses.

Our neighbor, near by, but on a different soil, has the usual trouble with mildew, and we had it in his houses when we were growing Roses there.

We have wondered if our immunity could be due to any constituent of the soil, especially since reading of the carbolic acid remedy as published in the EXCHANGE some time ago. Our soil is naturally very poor, and was formerly Hemlock and White Pine forest land, an open and leachy loam, but producing good crops with proper treatment. We have noticed on various species of plants growing in the original soil a malformation of the tip of the leaf that would apparently indicate the presence of some ingredient prejudicial to plant growth. This malformation, however, disappears with liming and thorough fertilization. J. C. GALLOWAY.

Port Alleghany, Penna., March 7, 1910.

Variation of Zinnia Elegans Under Trauma

Some curious variations of Zinnias which had been cut back close to the ground, after having been frozen toward the end of May of last year, have been observed by the French florist, M. Paul Becquerel. The Zinnias in question began to grow again profusely at the base of the cut stems, and these new branches bore very fine flowers from July to the end of November. But they showed a series of remarkable variations, affecting the color of the petals and the sepals, the structure of the buds and the grouping of the leaves around the stem. For instance, a Zinnia with red double flowers produced a shoot with superb white flowers; another with red and white striped flowers produced a shoot with flowers that were wholly or partially red. On certain Zinnias were found monstrous flowers with two, or three, or even four conical receptacles bearing normal petals. And in some shoots, finally, the leaves were curiously twisted, and grouped in several whorls very closely together. M. Becquerel intends to sow some of the seed of these variations, so as to find out whether these new characteristics will be constant.—Revue Horticole.

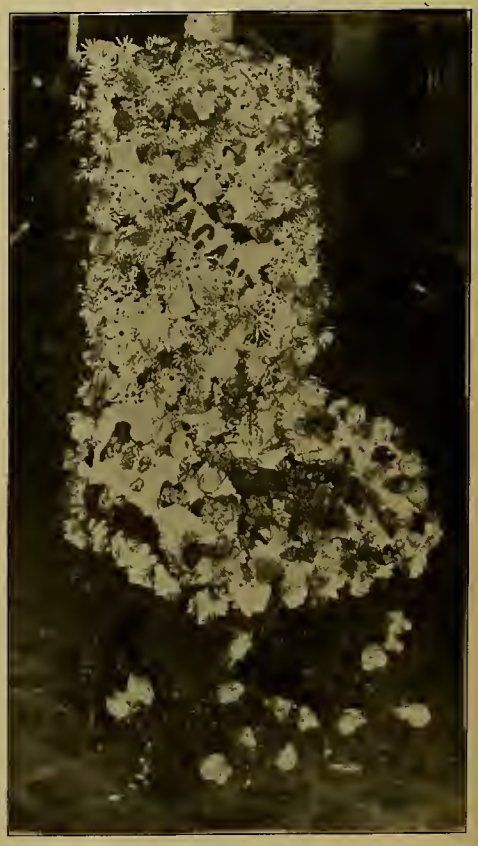
See Announcement—on Page 467—of our
Spring Trade Edition
To be Issued next Saturday, March 19, 1910

An Easter Window Decoration

As Easter approaches, among the thoughts uppermost in the mind of a florist is the one "How shall I dress my Easter window." A setting such as is shown in the drawing herewith is both economical and effective. It

Design for an Easter Window
Drawn for The Florists' Exchange by J. Meiklejohn

may be carried out as follows: First get a thin strip of lumber, which can be procured at any lumber yard. moisten it well so that it can be bent in the form of an arch. I would suggest having it about from 2 to 2½ ft. longer than the width of the window, according to the height of the arch desired, and also of the window. Then make the ends of the strip fast to either side of the window, about 2 ft. from the rear and about 6 ft. or 7 ft. from the bottom, leaving sufficient space behind for a bank of Palms. Where this is not possible, owing to the construction of the window-casing, place the arch at the rear and build a temporary platform, on a level with the floor of the window, and behind the arch, for the bank of Palms to stand on. After the strip is in place, cover it neatly with white cheese cloth, wound around in strips of about 4 in. wide. Then take some cheap white ribbon, about 1½ in. wide, make one end fast to the ceiling, bring it down around the arch and up to the ceiling again, thus forming a perpendicular strip, pinning it at the bottom to prevent sliding. Repeat this at intervals of about 4 in. apart the entire width of the arch. Next take some good symmetrical sprays of southern Smilax and entwine it between and outside the ribbon, fastening, by means of a pin catching the ribbon, back and front, the Smilax fastened between. While the Smilax may dry up a little by the end of the week, it will still be in presentable shape. If unable to procure southern Smilax, substitute garlands of any fine green, such as Asparagus or strings of regular greenhouse Smilax; in such case, however, it will be necessary to renew the garlands two or three times during the week, and I would, therefore, advise southern Smilax, if it is possible to procure same. You will now have a very effective arch for the top of the window. Next get some dark green felt, or cloth of some description—possibly green Canton flannel would do, and could be bought much cheaper. Cover the entire bottom of the window with same, and try to avoid showing a seam. Then get a very thin board, about ⅛ in. thick, 6 ft. long, and 7 in. broad, upon which nail another piece of board of the same width and thickness, and about 31 in. long, in the form of a cross. Now get two boxes—soap boxes would do—one about 2 ft. long, 6 in. deep and 12 in. wide, the other 2½ ft. long, 6 or 7 in. deep, and 18 in. wide. Turn the smaller box upside down, and nail the cross, exactly in the center of the outside edge; afterward place the box on the top of the larger one, at an even distance from either end, with the backs even, and nail a strip to hold them together. You now have a well-shaped "Rock of Ages" cross. Next take strips of white muslin, or cheese cloth, and wind them around the body of the cross, covering the base with the same material, which can be tacked on. Have a good thick paste made of flour and hot water, allowing same to cool before using, and cover the entire cross with the paste. Then take sheets of waxed or white tissue paper—preferably waxed, which will give a lustre—and lay them flat on the cross, crinkling them with an upward motion of the fingers while the paste is yet wet, being sure to keep an even edge on the outside. Place the cross directly under and in the center of the arch and bank around the base with pots of Easter Lilies, with small pots of Ferns on the outside to hide the pots. Now take two 4 ft. wooden pedestals, painted either white or gold, and place them directly in a line with the bottom of the arch and about a foot nearer the front of the window. Artistically fill two jardinières with Easter Lilies, allowing long sprays of Asparagus Sprengeri, or A. plumosus, to hang down, and place them on the pedestals. Bank around the base with pots of Easter Lilies, tapering from within a foot of the top down, forming a sort of half circle around the bases of the pedestals, with small Ferns on the outside to hide the pots. Don't, however, take up too much floor space. Now procure a wax figure, preferably that of a boy dressed as a chorister, which can be hired at a very trifling cost for the week; place it in the center of the window, the figure holding a piece of music characteristic of its office. A *prie dieu*—devotional chair—could also be introduced here, trimmed with Smilax and clusters of Easter flowers; but this would necessitate fresh flowers every day, which would prove to be quite an expensive item at that period of the year, how take a ten-yard piece of broad ribbon, either Nile green, or a very pale blue—of good quality, as it will show very prominently—catch it in the center, and tie a bow knot around the cross, just above the arms; have the loops stand out as much as possible, leaving long streamers at each end, and bring the streamers well out to the front of the window and catch them up in the claws of two white doves suspended from the ceiling by a black thread, or a very fine invisible wire. Sprays of Asparagus would add effect



Vacant Chair
Designed by Burt, the florist, Syracuse, N. Y.

Vacant Chair

The accompanying illustration is from a photograph of a floral piece made by Burt, the florist of Syracuse, N. Y. It was five feet high, and was made of Carnations, Roses, Narcissus, Daisies and Violets. The arms were made of Carnations paneled with Violets. It was a most artistic piece and reflected great credit on Mr. Robinson the artist. H. Y.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

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Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street
We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

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We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

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Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

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Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

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The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

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Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co — CONNECTICUT — New Haven — 1026 Chapel St., Opposite Yale College
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

O. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

if stuck in around the knot. Now bank the rear of the window behind the arch with tall Kentia Palms in the background, and a row of Scottii Ferns in front of them to hide the pots or tubs. Two vases of yellow Forsythia could be used to advantage, placed in tall glass American Beauty vases, on either side of the cross, but well back in the bank of Palms. You have now the general effect of the window, which can be added to by small attractive Easter novelties well in the foreground.

I would especially suggest, however, that you do not overdo the arrangement in the foreground of the window—use simple little novelties, such as a few small hampers, that will harmonize with the color scheme, and do not take up much room. And, above all, avoid using anything in the way of artificial flowers, which would show a lack of refinement and would hardly be in keeping with the festival. JAS. MEIKLEJOHN.

Breitmeyer's Auto Delivery Wagon

The illustration herewith is of Breitmeyers' auto delivery wagon, driven with a Grabowsky power motor. Notwithstanding the extraordinary heavy snowfalls this Winter, this machine has done duty every day and easily overcome the heaviest of snowdrifts. Its daily saving on carfares for messengers alone more than doubly pays for its upkeep. During a recent heavy snowfall in New York City, which blockaded traffic, a Grabowsky power wagon used for distributing purposes on Staten Island gave uninterrupted service all through the storm, and was one of the few automobiles that bucked the snow drifts successfully. It is no wonder that Detroit, the principal automobile city, should house a concern making the best delivery wagon for either light or heavy work. Naturally, the mayor of Detroit, with his daily increasing delivery of cut flowers must needs take advantage of a local product, when it reduces cost and time of delivery as effectively as a Grabowsky machine does.

FRANK DANZER.

John Breitmeyer's Sons Dissolved

The dissolution of the firm of John Breitmeyer's Sons, in which Philip and Fred. Breitmeyer were partners, took effect March 1. Philip Breitmeyer acquires the firm name, the Detroit end of the business consisting of the store, good will and all belongings, also the greenhouses and stock at Mack and Bellevue aves. Fred. Breitmeyer acquires all the land and greenhouses at Mt. Clemens, Mich., hitherto the growing end of the concern, including all stock and other belongings to said business, and will conduct the same under his own name. F. D.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see pages 476, 477

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Every Retailer should have a copy of this valuable collection of designs on his desk. It can be obtained only through subscription for this paper; see terms of sale as fully explained on another page.

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John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave.
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

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We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

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I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

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Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — MONTREAL, CANADA — 855 St. Catherine St., West
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

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We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

All advertisers in this column are provided with Arnold's Florists' Telegraph Code No. 16.

The Grabowsky Power Wagon Which Defied the Snowdrifts

Abutilon Hybridum maximum
From Moeller's Deutsche Gaertner-Zeitung.

Abutilon Hybridum Maximum

This novelty, which Ernst Benary of Erfurt, Germany introduced in 1909, and which we noted in a brief paragraph in our issue of Nov. 13, is very much admired in the home of its originator, according to a writer in Moeller's Deutsche Gaertner-Zeitung. The result of cross-fertilization of the largest flowered varieties, the Benary Abutilon hybrids form a class by themselves of permanent value. The plants are strong and healthy. The leaves are very large and firm and, as the branches are spreading, they permit their wealth of bloom to come into full view. The flowers, which open wide in the form of a flat cup, are from 2¾" to 3½" across. The flower stems are generally short and stout, and we have here nothing of that retreating into the leaves which make the older garden sorts so often ineffective.

The range of color was especially large last year among the seedlings, and there were many new colors so far not found in the Abutilon. Aside from the chief colors, white, yellow, pink, chamois, scarlet, purple, lilac, dark red and brown, there are found shades lying between these colors. The flowers are very lasting, not only on the plant, but also for a very long time after being cut. A number of flowers that had been exhibited at a meeting of the Erfurt Gardener's Association, was placed the following morning, uncovered, in a cold house, where they kept for about 40 hours, without wilting or becoming spotty. This indicates that this splendid Abutilon as a cut flower is especially suited for decorative purposes as, for instance, filling flat bowls and jardinieres, and for table decorations.

Taken all in all, these Abutilon hybrids are among the best novelties and should soon find general favor with florists.

Color Harmony

A paper read by E. A. Slattery at the Buffalo Florists' Club meeting, Tuesday, Mar. 1, 1910, at Hotel Iroquois.

Ever since the Grecians, in the early ages, made garlands of flowers, the question of color harmony has been one that has received the attention of those interested in supplying decorations; and the difference of opinion that existed in those days, we find, are perplexing the florists of today, and in a far greater degree; for every year since those olden times, the demand has been constantly on the increase for floral decorations, until no social, business or other function is complete without its floral accompaniment.

It is for this reason, no doubt, that I have been asked this evening to give my views as to the harmony of colors in flowers, and thus pass on to the craft we represent the knowledge that I have acquired in my years of experience in this and other cities.

Color harmony! What does it mean? It means that blending of the various shades so that the picture presented to the eye will be attractive, beautiful, and fascinating to a marked degree. When you attain this you have reached the goal of satisfaction to your patron as well as to yourself.

True color harmony must originate with the florist himself; others can suggest, but on his or her own artistic judgment one must rely. True it is, that what will be pleasing to the eye of one person will not appeal in as strong a degree to another.

Nature, 'tis true, is the best harmonizer, and a person following in her footsteps cannot wander far from the true pathway of color harmony. Certain individuals are blessed by either being born with, or later developing to a greater degree than others, the art of harmonizing colors; if this were not so all of us would be as expert harmonizers, and handle the various shades with the same impunity as Nature herself.

Nature has endowed many persons with a clearer perception of the true idea in color harmony than is given to others; to such fortunate persons, be they florists or not, the problem of color harmony has been solved, for it is within their own brains that the scheme of harmony is developed, and their handiwork will proclaim their efficiency, and generous customers seek their work.

Not many years ago, when I first took up the art of arrangement of flowers, if a customer desired a floral piece for a funeral no one thought of making up anything except in white and green; and it was the height of impropriety to send a floral token with any color in it. Today how different! The floral emblems used at obsequies are most brilliant, and often gorgeous, yet so skillfully, deftly and artistically arranged. They are most pleasing to the eye, reflect the beauties of Nature, and at the same time are in complete harmony with the surroundings in the death chamber, be it in hovel or mansion. The one color scheme has been laid away with many other obsolete ideas.

The combinations that have taken the place of the one color schemes are more cheerful than those formerly in vogue, still they retain an artistic beauty. The change has benefited both the florists and their patrons; the florist by furnishing an outlet for the flowers of various colors, allowing a greater leeway in their selection, the substitution of one flower for another, even if a little different in shading—in the one color scheme of harmony this could not be done; the patrons, by the more cheerful aspect given their tokens, and the radiation of a cheerfulness among those who are the recipients of these gifts of flowers, be it the débutante or the bereaved family of some departed soul.

The range of vision and purchase of the patron, as well as that of the florist, has been widened, until the flowers that are in commercial use today are almost as numerous as the sands on the seashore. This is a most satisfactory situation or condition, for it permits of color combinations that could never before be executed and brought to the perfection which is excelled only by Nature herself.

The true idea of artistic and harmonious color blending must, and always does, originate in the inner man or woman; the handiwork is but the visible evidence of the color working of the mind; if it is not in the mind, it cannot be successfully transmitted to the floral pieces or scheme itself. You cannot get blood out of a Beet, neither can you get artistic and harmonious combinations of colors from those persons who have no conception of harmony and beauty themselves. In submitting a few combinations of colors that, in my experience, have found favor with people in general, I do so fully realizing that they may or may not meet with your approval, for, as I said at the commencement, there were differences of opinion along this score in the ages past and they are still with us in this twentieth century; but the combinations that I will submit are those that have received the seal of public approval, and in this commercial age that is what counts.

Some years ago, I had the pleasure of first introducing a two color combination. For some length of time the idea met with ridicule, not only from members of our craft, but also from our best patrons, who pooh-poohed the idea, and not one was willing to give me the opportunity to demonstrate the beauty and artistic value of the idea by actual decoration. I abided my time and finally persuaded one of our best customers to grant my request, for I had embraced every opportunity to impress upon him the desirability and the effectiveness that I felt sure would result from the combination I had in mind.

I decorated the dinner table according to my two color scheme, and it was the "hit of my life." The colors in this particular combination were pink Killarney Roses and yellow Daisies. Today every florist in Buffalo, and in fact all over the world, is using the same combination—evidence sufficient that the combination was a most happy thought, thoroughly artistic, attractive to the eye, and pleasing to the æsthetic taste. This combination, making the hit that it did, caused me to give serious thought to other color schemes and I evolved many combinations, some of which I will mention.

Richmond Roses and deep yellow Roses, the Richmond predominating. This combination is used most extensively today and is a close second in popularity with the first mentioned combination by me.

While speaking of yellow, I might say that a combination of yellow Pompon Chrysanthemums and Bon Silene Roses make a most striking combination, and one that is very effective from every point of view. The yellow Oncidium and Violets form a combination you will find most satisfactory, and one that will command the attention of your patrons at once and, furthermore, will always be satisfactory.

The combining of Safrano Roses and Violets is very pleasing and attractive, and a combination that is difficult to beat; while many find the combination of Perle Roses and Violets forms what has been termed by many florists as "the combination irresistible."

Violets are the "standby" of the florists, for the reason that there are so many other fine combinations that will go well with them; in fact, there is not a flower of any color that will not go well with Violets in a two color combination, with the possible exception of anything scarlet. To this fact is due much of the popularity of the Violets. Whenever a customer is in doubt as to the color of the flowers he is to purchase for his lady to wear, on account of his not knowing the color of the bodice she is to use, a florist can never go astray by suggesting Violets, for they are a never failing match for any shade or color.

I could suggest to you combinations from now until morning, but the few that I have mentioned will suffice to indicate that the day of one color scheme and combination has passed forever from the florists' horizon, and that upon us falls the duty of making combinations that will be pleasing and find favor with our customers. No one has a monopoly of the combination business; put your ideas into effect; make up a combination that appeals to your idea of color attractiveness and effectiveness. It is by so doing that you give to the craft the benefit of your ideas, and thus the floral art keeps pace with the progress of the hour.

Many are bewildered by complicated color schemes; for color harmony, as we know it today, has made enormous and wonderful strides, from the color harmony of twenty, yes, five years ago, and there is no telling where further study and development of it will lead the coming generation of the florist craft.

White-fringed Cyclamen
See European Seeds, page 452.

Some New Zonal Pelargoniums

The firm of Daiker & Otto of Langenweddingen, Germany, wholesale growers of Pelargoniums, who are credited with having one of the largest and best establishments of the kind, have some novelties that are worthy the attention of florists. Foremost among those introduced last year is Tiptop. The flowers are semi-double and rise evenly above the leaves; the color is a brilliant pink, quite different from that of any other variety. Tiptop is among the most dwarf of Pelargoniums, its height not exceeding that of an Alternanthera, so that it is splendidly suited for bedding. Germania, also introduced in 1909, is another dwarf variety, with brilliant meteor-red flowers; it has no rival as a free bloomer. It is an excellent sort for pot culture, its habit being very compact.

Chief among their novelties for 1910 is the pink Director Hommel, which may be designated as a Pink Rival, for it resembles this latter in habit and in foliage as well as in the opening of the flowers; it is compact in habit and a free bloomer. Else Bethge is remarkable for its magnificent dark salmon color; the individual flowers are very large and are bunched in immense trusses nearly covering the plant. Its habit is low, and the leaves are dark green with a dark zone. Else Bethge may be considered as the finest zonal Pelargonium of this color.—*Moller's Deutsche Gaertner-Zeitung.*

HARDY PERENNIAL PLANTS

All the following, and many others, are fully described in my Catalog No. 1, a richly illustrated book of 80 pages; mailed free. Send for special Trade List giving details.

Write for 1000 rate on any variety wanted in quantity.

Where no size is stated, they are first class field-grown stuff.

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ALYSSUM saxatile compactum.	.50	4.00
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D. Sinensis. Blue and white	.65	6.00
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Both varieties. Strong, field-grown	1.00	8.00
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EUPATORIUM ageratoides, cœlestinum and purpureum	.60	6.00

	Per 10	100
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GAILLARDIA grandiflora	.50	4.00
G. grandiflora compacta	.60	5.00
G. grandiflora, Giant Hybrids	.75	6.00
GENTIANA Andrewsii	.75	6.00
GERANIUM sanguineum	.60	5.00
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HELIANTHUS croceum. 2½-in. pots.	.60	4.00
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S. spectabilis. Clumps	.75	6.00
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STOKESIA cyanea. 2½-in. pots	.50	3.50
S. cyanea. Strong roots	.60	5.00
S. cyanea alba. 2½-in. pots	.50	4.00
S. cyanea alba. Strong roots	.75	6.00
SWEET WILLIAM, Ruby, Snow, Hunt's Perfection. Clumps	.60	5.00
Newport Pink, Royal Irish. Clumps.	1.00	8.00
TANACETUM Huronensis, Bible Leaf.	.75	6.00
T. vulgaris. (Tansy).	.60	5.00
THALICTRUM adiantifolium and aquilegifolium	.60	5.00
TRADESCANTIA Virginica rosea	.60	5.00
TRITOMA uvaria grandiflora. Strong roots	.60	4.00
VALERIANA officinalis	.75	6.00
VERONICA amethystina, incana, repestris, spicata	.60	6.00
V. longifolia subsessilis. From frames	.50	4.00
V. longifolia subsessilis. Clumps	.75	6.00
VERNONIA Noveboracensis	.60	5.00
VINCA MINOR. Fine, field-grown	.50	4.00
V. minor alba	.60	5.00
VIOLA cornuta (Alpine Violet). 2½-in. pots	.50	3.50
YUCCA filamentosa. Good roots	.60	5.00
Y. filamentosa. Strong roots	1.00	8.00

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HOPS, Golden Cluster	$0.40	$2.50
LAVENDER, Sweet	.75	6.00
MINT, PEPPERMINT, SPEARMINT.	.40	3.00
ROSEMARY	.60	5.00
SAGE, Holt's Mammoth. 2½-in. pots.	.50	3.50
TANSY and **THYME**	.60	5.00

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Boston

For some time there has been quite serious doubts among the growers as to whether Easter plants and flowers would be just in the right condition for that festal season. Each day this doubt is lessening and if the lovely weather we are enjoying now will only continue everything will be in tip-top shape.

Since the Lenten season began this week has been the dullest. In the early part of the week it was rather discouraging. If it wasn't for the boys in the streets things would be in bad shape. Owing to the mild weather, almost like Summer some days, the boys were able to handle large quantities of bulbous material, Carnations and Violets. They have their failings, but at a time like this we can endure them.

The lecture at Horticultural Hall on Saturday, March 5, was by Miss Laura Blanchard Dawson of Jamaica Plain. Her subject was "Horticulture as a Profession for Women." She handled her subject in an able manner and brought out many new and original ideas. There was quite a good attendance, the larger number being ladies. There was a good discussion and the principal points brought out were that women are not fitted for the hard manual labor of the profession, but that they are quite well suited to work as salesladies in retail florists' stores and all lighter occupations of the profession. It was also pointed out that ladies did most of the work in the flower stores in England and Scotland and in fact in most countries of Europe, and also in Australia and New Zealand. The question was raised "Why don't we see more ladies working in our retail florist stores?"

The next lecture will be on March 12 and the subject will be "Lilies in the Home Garden," by E. S. Miller, Wading River, N. Y. This should prove an interesting subject as most of us need some more practical information on this beautiful genus of garden plants. There are only a few species of hardy Lilies that grow satisfactorily in New England.

There was a batch of eight plants of Dendrobium nobile virginale exhibited at the Horticultural Hall on Saturday, March 5, by Dr. G. C. Weld (Wm. C. Rust, gdr.) This was a most remarkable lot of plants. Every one was a perfect specimen and a good large specimen at that. This is a rather unplentiful Dendrobium, only seen in small pieces, and we did not think there were such large specimens in this country. We believe this is the true Dendrobium nobile virginale and those that we have seen before exhibited were only forms of Dendrobium nobile Ballianum. The plants were bought of Hugh Low & Co. eleven months ago. They were awarded a silver medal, and if they were only owned or cared for a little longer by the grower we think he ought to have had a higher award. This is the whitest Dendrobium we have seen and it is very floriferous. It will make a capital florists' Orchid and there is no reason why in a few years it wont be quite plentiful, and also quite cheap. The plants on exhibition only cost $5 a piece eleven months ago—they ought to be worth today from $25 to $30 each. The grower, Mr. Rust, also received an award of a cultural certificate, which he thoroughly deserved for this fine exhibit.

The Gardeners and Florists' Club will hold its first field day for this year on March 19. The members are to visit the W. W. Edgar Company's greenhouse and inspect the Easter plants. The writer visited this establishment on Washington's Birthday and he can assure all that the plants will be in fine condition for March 19. The houses of Acacia paradoxa, Azaleas and Lilies are well worthy of inspection. Peirce Bros. of Waverley are close by and there may be time to inspect their immense stock of Lilies, Azaleas and other Easter plants, which are said to be in very fine condition this year.

William N. Craig, secretary of the Gardeners and Florists' Club delivered a lecture on Tuesday, March 8, before the members of the Manchester Institute of Arts and Sciences at Manchester, N. H. His subject was "Planting the Home Garden," illustrated by fine stereopticon pictures.

Alexander Montgomery has been on the sick list for a week, but he is now convalescent. We hope in a few days that he will be quite well again and able to resume his duties.

The best American Beauty Roses I have seen this year are shipped from the Waban Rose Conservatories. Their Killarneys are also of the very highest grades.

Carbone has some very fine Calla Elliotiana and vases of Phalænopsis in his window this week.

Galvin's Tremont st. window has some very dark varieties of Dendrobium nobile and vases of Phalænopsis, which are very attractive and much admired.

Penn's store on Bromfield st. has always the best Violets in town, and their window displays of this flower are most elaborate.

Probably one of the last gifts the late James J. H. Gregory of Marblehead gave was a fund for an annual premium for the best Apple orchard in the State of Maine. This prize is offered for the first time this year.

Mrs. E. M. Gill of Medford has been on the sick list for a week. We missed her at Horticultural Hall on Saturday.

Since March came in we have had real Spring weather and we have seen in some of the gardens around the Hub, Snowdrops, Scilla Sibirica, and Crocuses in all colors, in full bloom.

William S. Grassie, who has been employed at the Harvard Botanic Garden for the past three years, has resigned, and has bought several acres of land at Waverley, Mass., where he is going to build a large range of houses at once and grow for the market. His many friends wish him much success in his business.

Charles Graus of Watertown is shipping some well grown Queen Alexandra Marguerites in pots. The plants are stocky, well branched, good healthy foliage, and have an abundance of flowers.

Butterworth's Lily of the Valley in pots is well grown, and is bringing good prices in the market.

Thomas Peglar at the Park st. market is handling some extra fine Wallflowers. They are grown by Lemoine Bros., South Framingham.

Robert McGorum's Shamrocks are the best we have seen so far this season. We saw a fine batch from him a few days ago. His Killarney, Bride, and Bridesmaid Roses are of extra good quality.

The energetic Sydney Hoffman has opened a new retail store on the corner of Devonshire and State sts. The store is nicely located and very well equipped. This is the first time, as far as is known, that there has been a flower store on State st. Mr. Hoffman is right among all the financial men and the location should prove a good one.

Cyclamens in 6-in. pots, with an abundance of flowers, find a ready sale in Park st. market No. 2. They are grown by J. W. Foot, Reading, Mass.

Mann Bros. are shipping some fine bulbous material. Their Tulips are really very fine. Their Narcissus Sir Watkins, Barri conspicuus and poeticus are of very good quality.

At the present time at the Park st. market there may be seen some fine specimens of Lilium speciosum from Peirce Bros. at Waverley.

The best Callas that are seen in the market come from the Willow Hill Greenhouses, West Roxbury. They are also shipping very nice plants in flower of Rose Clothilde Soupert.

The friends of John W. Duncan, who had feared he might have been caught in the dreadful avalanche, will be pleased to know that he reached Spokane in safety on March 1. He had a very comfortable journey and saw plenty of snow in the mountains. When he reached Spokane he found the weather delightful and there was no snow there.

R. C. Bredgham has purchased the stock and good-will of the business of Albert Scott, at 67 Beacon st., and will continue the business.

On March 4, Thomas J. Grey, the seedsman, gave an interesting address before the North Shore Hort. Society, subject, "The Old Gardeners." It proved to be of great interest to the younger gardeners. Mr. Grey told some very interesting reminiscences of the men who laid the foundations of the gardens of New England on which the younger generation is building today.

There was a good discussion and Joseph Clarke, one of the oldest and most respected gardeners in New England, took part. Mr. Grey received the thanks of the Society for his interesting lecture.

Two large plants of Hamamelis Japonica, which are in full bloom at the Arnold Arboretum, are drawing a great deal of attention. Crocuses, Squills (Scilla Sibirica) and four species of Snowdrops are in bloom at the Harvard Botanic Garden. R. C.

Pittsburgh (Pa.) Florists' Club

The monthly meeting of the Club, held last week in the Dutch room of the Fort Pitt Hotel, was well attended; about 45 members were present. Two new members were elected and four proposed. The auditing committee reported everything in good order. The secretary stated that the list of members was 167, and one member died during the year. The secretary's salary was fixed at $75 for the coming year. The resignation of Wm. Hamilton, former supt. of the North Side Parks, was accepted. The finance committee, which had charge of matters of the Carnation Society's convention in January made a final report, stating that a nice balance was left over after paying all expenses, and, as the money was contributed solely for the

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You still have **one** opportunity to get a stock of rooted cuttings of our splendid new Carnation, Dorothy Gordon, for Fall and Winter trade. Early orders took our entire stock during February and March, but we offer a limited quantity of fine rooted cuttings for April delivery—which, from past experience, however, won't last long. Meanwhile our

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has added to its laurels: At the Toronto show, just closed, a gold medal was awarded this splendid Carnation when exhibited in competition with others. Carnation Dorothy Gordon **is** a winner—a winner of prizes and a winner of profits, as our customers are learning.

Some of its merits are: Strong constitution—absolutely free from disease; wonderful productiveness—50% more flowers than Enchantress; good color—clear, uniform pink; splendid form and keeping qualities—flowers last four and six days after cutting; and enormous size—averaging three inches in diameter. We know of no variety possessing all those strong qualities.

Order **NOW** some of the splendid stock we offer for April. Prices remain the same—**$10.00 per 100, $75.00 per 1000**—and you'll find, long before the season is over, that it was the best investment you made this year. If you want to investigate first, come to see us, or write for particulars—but don't delay, for the stock won't last!

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NOTE THE DAY AND DATE

SPECIAL: Preparation Now Being Made for Sale of Flowering Plants Each Day During the Week Preceding Easter. Correspondence Invited.

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entertainment of the visiting delegates, it had decided to return to each contributor his pro rata share. A letter was read from the Chicago Florists' Club, thanking the Pittsburgh florists for hospitalities extended to their visiting members. The congratulations of the Club were extended to B. L. Elliott and Edward Blind, who were married lately. The sympathy of the Club was tendered to James Moore, foreman of the North Side Park, in the recent death of his father.

The subject for the meeting was Easter flowers, but the exhibition thereof was very small. Merlin Harris, gdr. to Dr. Shafer, showed a few Orchids, Phalaenopsis Schilleriana, Dendrobiums nobile, crassinodes and Wardianum, Dendrochilum glumacea; a cultural certificate was awarded to his exhibit. Frank Crook, gdr. to H. Park, showed nice pot Hyacinths, Queen of the Blues, La Grandesse, Gertrude and Morena; Tulips Montresor, Keizerkroon and Belle Alliance; Narcissus Poeticus ornatus, Emperor and Golden Spur, for which he was awarded a cash prize donated by H. Waterer Co., of Philadelphia. Messrs. McCallum and Wiseman acted as judges.

The secretary announced that he had received $12 cash to be given to the private gardeners for next month's competitive display as per schedule for 1910.

Easter Lilies were discussed, and it was thought that not so many would be in bloom for Easter as the date is early and the Lilies are coming on slowly. Mr. Randolph of Randolph & McClements said that his were fine and the percentage of loss would be small; he grows L. giganteum and Formosum, prefers the first named, and thought the Formosum were mostly seedlings and uncertain.

John Jones, foreman of Schenley Park Conservatories, claims that his Lilies will be in bloom for Easter although they did not look very promising for Easter bloom when the delegates to the A. C. S. convention visited the conservatories in January last; one gentleman, from the West, I think, promised to buy a silk hat for John if they came to bloom. I can see John wearing that hat after Easter.

After the meeting adjourned, Edward Blind, who as before stated, recently took unto himself a wife, asked the members present to partake of some refreshments and a very pleasant hour was spent. E. C. REINEMAN.

Tuxedo (N. Y.) Hort. Society

On Wednesday evening, March 2, the old and new members of the Tuxedo Hort. Soc. assembled in the Village Club, and by way of celebrating the reorganization of the Society had a tip top time from start to finish. The attendance was good and the enthusiasm showed on the faces of all. The president, Thomas Murray, made all feel at home, and started the affair by drawing for sides for bowling with Fred. Bently, captain on the other side. This part was thoroughly enjoyed by everybody. A collation followed, which was also enjoyed. After cigars were passed around the president in a fitting address expressed the pleasure it gave him to see so many present, and all eager to make the Society a success. Mr. Bently spoke in the same vein, urging harmony as one of the great essentials for success. Vice-president Mac. Machan, James Allen, David S. Miller, Albert Fischer, Joseph Tansey, G. O. Bush, Richard Schaeffer, Michael Cassidy, David McIntosh and Wm. Brock also spoke interestingly in relation to matters concerning the Society. Taken all through, the evening was spent profitably and pleasantly. Much credit is due to the committee for its success. The committee consisted of Fred. Bently, G. O. Bush and Fredk. Rake.

The regular monthly meeting of the Society was held Tuesday evening, March 8. President Thomas Murray was in the chair, and there was a good attendance of members on the floor. Ten applications for membership were acted upon and all the applicants elected. About as many applications were handed to the secretary and the required action taken regarding them. The members are coming in so rapidly that next month every gardener and horticulturist in the Park and vicinity will be enrolled in the Society, making an active membership then much larger than the old Society ever had. A very interesting discussion followed the routine business, on "Pruning." Every member took part in it, the whole making one of the liveliest discussions the writer has had the privilege of listening to. One member laid much stress on the importance of Summer pruning, and that only for Apples and Pears. The prevailing opinion, as expressed in the remarks of the speakers, was that too much pruning is done in the Winter and Spring in the cases of fruit trees and flowering shrubs. The president then called for an expression of opinion on the advisability of holding one or two shows this year, when it was plainly evident that the members wish to have a Rose show in addition to a Chrysanthemum show. The executive committee was asked to take note of this sentiment, and try to act accordingly.

D. M.

Buffalo (N. Y.) Florists' Club

The annual election, banquet and Carnation Show, was held at the Iroquois Hotel on Tuesday, March 1.

The Carnations shown were very good and much admired by the local florists and, no doubt, the exhibit will be the means of selling quite a few cuttings. The show demonstrated that there were a few growers of Carnations in this section who will bear watching. A new variety was shown by Mr. Stroh of Attica, that he intends sending out next year; it is very similar to Enchantress, but has a fuller flower and is of a deeper shade. The blooms sent in by Cottage Gardens, N. Y., Bauer & Smith and Messrs. Gunther, Palmer, Ehman, White Bros., Anthony Paula and others were much admired and the Committee wish to thank them one and all.

Election results: Joseph Strict, president; Otto Gillis, vice-president; Wm. Legg, secretary (re-elected); Jerome Deutcher, financial secretary. Directors, Wm. Palmer, Wm. Kasting, S. A. Anderson.

The election was followed by the banquet and songs and music by Joseph Tobin, Andrew Fisher, Mark Palmer, and then by the treat of the evening, cartoons of all the prominent members, which were all drawn by Mark Palmer, the 18-year old son of W. J. Palmer; judged by the applause received they made a great hit. Then Mr. Slattery read his paper on "Color Harmony," which will be found in another column of this issue; the subject matter treated showed considerable research and was well received.

W. H. G.

Worcester Co. (Mass.) Hort. Soc.

This Society held the first meeting of the season in its hall, Mar. 3, and it proved one of the best the Society ever held. The attendance was large, so also were the displays which were in excellent condition. Many well known florists of Worcester County were present. One of the leading attractions was an Orchid (a Dendrobium) grown by Wm. McAllister, gdr. for Mrs. J. C. Whitin of Whitinsville; which carried 228 flowers. In the front part of the hall, near the stage, Leonard C. Midgely had an attractive display of Roses; his White Killarney and Richmond were unusually fine.

Edwin W. Breed of Clinton made a fine showing of Cyclamens, Hyacinths, Azaleas and other plants. The estate of H. F. A. Lange was at the top in most of the displays. CAROLUS.

Newport (R. I.) Horticultural Society

At the meeting of the above named Society on Tuesday evening, March 8, the attendance was fairly good. President James Robertson was in the chair. It was voted to hold the Rose and Strawberry show at Masonic Hall on the same dates as last year, June 23-24. A premium list was adopted. Offer of special premiums for the children's classes amounting to $60 were received from Mr. and Mrs. Lorillard Spencer; this amount will cover both the June exhibition and school garden premiums. The S. G. Harris special prizes of $10 and $5 are offered for the best display of Peony blooms in six varieties, six blooms of each. One new member was elected, and one name was presented for associate membership—that of a lady—which means annual dues of $5 per year.

ALEXANDER MacLELLAN.

Catalogs Received

PALISADES NURSERIES, INC., Sparkill, N. Y.—1910 Wholesale Price List of Hardy Perennials, Vines, Shrubs, Roses, Evergreens, Fruit and Shade Trees. This is a well gotten up catalog of 24 pages, illustrated with fine halftones.

F. W. KELSEY NURSERY CO., 150 Broadway, New York City.—Eighteen page catalog of Trees and Hardy Plants for all purposes, including Deciduous Trees, Hardy Evergreens, Evergreen and Deciduous Shrubs, Hardy Rhododendrons, Hardy Plants, Hardy Vines and Climbers, Perennials, Grasses, Roses and Fruits.

THE STANDARD PUMP & ENGINE COMPANY, Cleveland, O.—"The Standard Pumping Engines for Water Supply." Under this title is presented catalog No. 10 of the company's Standard Pumping Engines using gas or gasoline for fuel. It contains descriptions of pumps designed for pumping from shallow wells, cisterns, lakes or rivers, etc., as well as some to pump from deep wells. The information contained in the publication is very complete and quite sufficient to enable purchasers to order from it, only, as is stated in the introduction, "It is neither possible or desirable to give all the details of construction of the different machines shown." The publication is printed on extra heavy enameled paper stock and contains a number of unusually fine illustrations. Every florist interested in water supply should obtain a copy of this catalog, which may be had on application to the company.

WATKINS & SIMPSON, Ltd., London, England.—Their annual Foreign and Colonial Wholesale Catalog of 112 pages, which, throughout, is most attractively and fully illustrated with the finest halftone reproductions. The company offers this season, an unusually attractive list of novelties and specialties in both vegetables and flowers. Among the former the following are especially noted: Garden Pea Primo, Bean Eclipse Longpod, and Early Dawn Tomato. Among the flower seed introductions are: four new colors in dwarf-growing Antirrhinums—Dainty Queen, Rose Queen, Buff Queen, and Golden Fairy; several new Asters, Dahlias and Carnations. Their matchless Pansy is offered this year, and is an unusually fine addition to the giant varieties. In Sweet Peas, Picotee, George Stark, and an improved strain of King Edward VII are offered, also a full list of the best "Spencers" as well as the older sorts. As always, they list a full line of standard seeds, both flower and vegetable. A special feature this season is the combining of their illustrated album, which they published a few years ago, with the present catalog, also adding many new electros from photographs taken from nature on their trial grounds. These fine catalog illustrations will all be supplied to the trade at reasonable rates.

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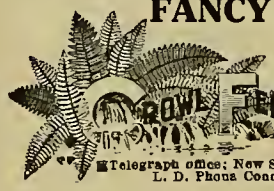

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Telegraph office: New Salem, Mass. L. D. Phone Connection

Partridge Berries, $2.00 per 1000 or 10c. per bunch of 50 sprays.—Order now. Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $12.00 to $15.00 per 100 lbs.

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Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

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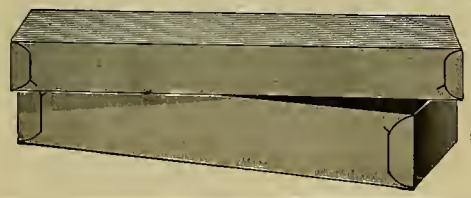

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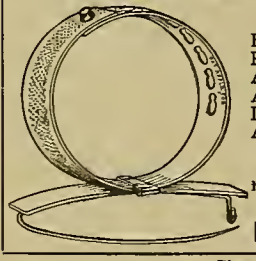

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Prevents damage to apparel.
Adjustable to any diameter of bouquet stem.
Adaptable to anything from Violets to Roses.
Does away with Corsage Pins.
A handsomely silver plated article and ornamental in itself.

Samples to the trade, 25c. each, by mail postage paid. By the dozen $3.00, postage paid. Correspondence Solicited.

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Retail Notes

WATERBURY, CONN.—Frank Fioto, the florist, on Hamilton st., is convalescing from a severe illness.

WORCESTER, MASS.—Aitken, the florist, at 424 Main st., is giving up business here and removing to Springfield.

STOCKTON, CAL.—The Flower Shop is the name of a new florist store opened in the Idle Hour Theatre building on N. Sutter st., by Messrs. Davis & Louttit.

WASHINGTON, PA.—C. C. Philips, florist, and Earl J. Sedam, who was lately in charge of the Forrest Greenhouses have formed a partnership under the firm name of Philips & Sedam, and have purchased the floral busines with which they have been connected, and will continue the same.

JACKSONVILLE, FLA.—The Jacksonville Floral Co. recently completed a hurry order from President Taft for 10 dozen American Beauty Roses to be delivered in Havana, Cuba, on the occasion of the wedding of Miss Gomez, daughter of Prest. Gomez, of Cuba. The Roses were delivered by special messenger at the American legation in Havana.

NEWBURGH, N. Y.—Schaefers, the florists on Broadway, recently received fifty cents conscience money from Fishkill-on-the-Hudson. The money came with a letter, which read: "Enclosed please find 50 cents, the price of a plant I once took without permission." The letter was well written and the spelling of every word was correct. The letter was written on the back of an old scrap of paper.

PEORIA, ILL.—The floral decorations of the tables at the Creve Cœur banquet were the work of Geo. A. Kuhl, the florist of this place, and were deserving of special praise. The tall glasses of Spring flowers were a happy departure from the common heavy centerpiece of hot house plants and were the subject of general admiration. The George Wittbold Co. of Chicago, designed the decorations of the main hall, which were so beautiful as to excite comment from all visitors.

Health Among the Flowers

Lately it has come to my knowledge that one of the most conspicuous women in England saved her life from wreckage through the health-giving grace of a garden.

Owing to the prominence of her family, and the traditions of her birth, she was engaged when little more than a schoolgirl to a peer of the realm, an arrangement that to her was utterly distasteful. The peer was double her age, a man of no charm of personality and a renowned lover of the material pleasures of life. The girl was idealistic, high-strung and nervous to a degree.

A few days before the wedding she revolted openly. It then became a matter of nine days' gossip that the peer had been thrown over. Her relatives and friends referred to her as "Poor Amy," and as "Amy, who is a bit queer." Indeed, she felt herself to be so amid the general disapproval that broke over her head. She dreaded to go anywhere, since everywhere she felt that she was adversely criticised. At length her nerves gave away and she had a severe fit of illness.

One of the first things that interested her after the crisis was a bouquet of Jonquils. They seemed to open up a train of thought that she had never had before. She wondered about them a great deal.

Some months later it was stated in a society paper that this erratic lady was growing Daffodils in extraordinary numbers, and that she had, moreover, sent men to foreign countries to hunt for rare specimens of these plants. Indeed, her collection of Daffodils soon grew to be as much of an interest to horticulturists as the breaking of her engagement with the peer had been to society.

After awhile her interest extended to other flowers. She studied them scientifically, as well as from an artistic point of view. In an incredibly short time she became recognized as an authority on mooted points of plant distinctions. The famous Kew Gardens in London, even, have been pushed to ask her advice on more occasions than one. In truth, she is wedded to her flowers. In their presence she feels no nervousness, no lack of confidence. It seems that through some occult force they have the power to soothe and to comfort her, as well as to make her happy. She is at present, besides, a woman of abundant health.—ELAINE VALENTINE in *Good Housekeeping Magazine.*

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.26	28x8x4	$4.60
18x5x3	2.36	30x6x3½	3.76
24x5x3½	3.00	36x6x5	6.60
21x7x3½	3.26		

Printed free in lots of 300 or more; 60c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.50
18x18x8	9.00	36x10x6	10.00
20x20x8	10.00	30x12x7	8.60
24x24x8	12.00	28x12x4	6.60
24x18x8, Pillow Box			12.00
20x16x8, Pillow Box			10.00

10% discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.

Box 205 . CASTORLAND, N. Y.

New York Office, 20 East 42nd Street

Please mention the Exchange when writing.

Orders by Telegraph

For twenty-five cents, cash, we will forward you a handsomely printed card, worth framing, which you can hang in a conspicuous part of your store, to let your customers know you "fill orders for flowers, plants or floral designs to any point" by telegraph.

A copy of Arnold's Florist's Code, price $2.50, will give you a key for the cipher transmission of orders to any of the advertisers in our "Directory of Reliable Retail Houses." All for sale by

The Florists' Exchange

No. 2 Duane St., N. Y.

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire

IGOE BROTHERS

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes

63-71 Metropolitan Ave., BROOKLYN, N. Y.

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USE KRICK'S

Perfect Handles and Hangers

Just the thing for Easter. When crowded for space will sustain the weight of 100 pounds.

Sample and prices on request.

CHAS. A. KRICK

1164-66 GREENE AVE., BROOKLYN, N. Y.

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Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY

962 Mill Street, KENDALLVILLE, IND.

Please mention the Exchange when writing.

WHOLESALE PRICE LIST

GALAX, FERNS AND LEUCOTHOE

Direct from the woods to the dealer.

	Per 1000
Galax, green and bronze	$0.50
Ferns, dagger and fancy	1.00
Green Leucothoe Sprays, regular lengths	2.00
Green Leucothoe Sprays, 10 to 15-in.	1.00
Bronze Leucothoe, regular lengths	2.75

Special prices on lots of 100,000 and up.
Terms, strictly cash, f. o. b. Elk Park, N. C.

NORTH CAROLINA EVERGREEN CO., Banners Elk, N. C.

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

New Rose "Leuchtfeuer"

From Moller's Deutsche Gaertner-Zeitung.

Under the title "Confusion in Rose Nomenclature," page 418, issue of March 5, we published a translation from Moeller's Deutsche Gaertner-Zeitung showing the confusion into which the nomenclature of this Rose (Bright Fire) has fallen. It appears the originator takes objection to the Rose being called by any other name than Bright Fire.

PURCELLVILLE, VA.—The sympathy of his friends is extended to Mr. Joseph H. Sperry, manager Virginia Nursery Co., and to Mrs. Sperry, in the sudden death of their eldest daughter, aged 32, which occurred recently in Massachusetts.

FRANKFORT, KY.—Louis D. Singer, who has been with John A. Keller in Lexington for some time, has leased the Henry greenhouses near Thorn Hill. Mr. Singer learned his business in New York and other large cities, and should make a success of his venture.

THE third edition of our Design Book is now ready to be mailed out to purchasers. It has been thoroughly revised and greatly improved and is easily worth Ten Dollars a copy to anyone with a Retail Trade. Sixteen pages have been added, older designs eliminated and many new and beautiful suggestions incorporated.

THE FLORISTS' EXCHANGE **DESIGN BOOK**

Handsomely printed on enameled stock, and containing 80 pages, size 9x12 inches, with strong paper cover.

The work contains a reproduction of some 216 Designs, such as:

Bridal Bouquets	Casket Covers	Easels
Broken Columns	Gates Ajar	Panels
Christmas Wreaths and Baskets	Floral Chairs	Anchors
Easter Baskets and other Easter Designs	Harps	Wreaths in great assortment
	Horseshoes	Standing Wreaths
	Lyres	Standing Crosses
	Pillows	

Miscellaneous Designs in quantity, including Decorated Automobiles, Railway Designs, Flags, Ships and Steamers, Shields, Broken Wheels, &c., Emblems, Table, Mantel and Mirror Decorations and Christmas and Church Decorations.

Page 80 shows forms for Masonic, Fraternal and other Orders, for which wire designs are kept in stock by the supply houses.

TERMS OF SALE—The Florists' Exchange for two years and one copy Design Book, $2.50, delivery prepaid. This offer is open to new subscribers or to subscribers renewing. One copy of the Design Book to present subscribers for 75c., delivery prepaid. No copies obtainable except as above. Money refunded if book is not satisfactory to purchaser.

Only one copy can be supplied at the 75c. rate. Subscribers desiring more than the one copy can secure them at the rate of $1.00 each, postage prepaid.

Handsomely and durably bound, in stiff board covers, with 32 blank leaves for pasting in clippings of other designs, at One Dollar additional to above prices.

All prices include delivery prepaid.

Address: THE FLORISTS' EXCHANGE, P. O. Box 1697 NEW YORK CITY

Rhododendron Maximum
Hemlock Branches
for Cemetery Use

Always Fresh From the Forests

LOG MOSS in Large Sheets

Good Green Color—Well Dried

$1.60 PER BAG

ORDER NOW FOR EASTER

Alleghany Mountain Evergreen Company
FARMINGTON, PA.

Please mention the Exchange when writing.

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"Getsthere Soap Mfg. Co.
Conshohocken, Penna.
Please send us at once the enclosed order of your Getsthere Insecticide Soap. We find this a very satisfactory article for use on plants, and we recommend it highly.
ROBERT CRAIG & CO.,
Philadelphia, Pa.

GETSTHERE SOAP CO.
CONSHOHOCKEN, PA.

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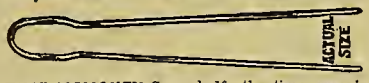

TIME IS MONEY Save half the time greening your designs by using Florist Greening Pins. 20c. per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c. per lb. Write for prices on larger quantities.

WM. J. SCHLATTER & SON, 422 Main Street SPRINGFIELD, MASS

Please mention the Exchange when writing.

MICHIGAN CUTFLOWER EXCHANGE, Inc.

Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

WE MANUFACTURE
ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK

'Phone 4254 Madison Square

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED
LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

Please mention the Exchange when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

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E. A. BEAVEN
EVERGREEN, ALA.
LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

Southern Wild Smilax

Now ready for shipment.

Write, wire, or 'phone the introducers.

CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA

Please mention the Exchange when writing.

THE EXCHANGE—Best Advertising Medium

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—As assistant in Rose or Carnation houses or as general greenhouse man; commercial place. F. J. Taney, 132 Guernsey st., Brooklyn, N. Y.

SITUATION WANTED—A1 designer and decorator wants position. Able to manage store. First-class references. Address, E. I., care The Florists' Exchange.

SITUATION WANTED—Working foreman, single, competent grower of Roses and Carnations; life experience, temperate, reliable; best references. Address, "Florist," 203 East 19th st., New York City.

SITUATION WANTED—By single man, 27, German, as assistant in general greenhouse work; commercial or private place; willing worker. Address, D. C., care The Florists' Exchange.

SITUATION WANTED—Experienced gardener, recently married, desires position on private place; first-class references. Address, Johnson Seed Co., 217 Market street, Philadelphia, Pa.

SITUATION WANTED—By a German-American man, 27, married, no children, as assistant in greenhouse work; advertiser has some experience and is sober and honest; best of references. Address E. O., care The Florists' Exchange.

SITUATION WANTED—German florist, age 28 years, married, 10 years' experience in Germany, 2 years in this country, good grower in Carnations, 'Mums, and general greenhouse stock. State wages, etc. Address, E. F., care The Florists' Exchange.

SITUATION WANTED—By experienced grower of Roses, Carnations, Chrysanthemums and bedding plants; section of Roses preferred. Middle aged, single, sober; state wages. Address, E. B., care The Florists' Exchange.

SITUATION WANTED—By young man, 23, single, as gardener and florist; advertiser was working on inside and outside work and is very well acquainted with any line of the business. Private place preferred. Address, Robert Simon, 223 W. 24th St., N. Y. City.

SITUATION WANTED—By two Swedes, single, ages 25 and 26; experience from Germany and England in Roses, Carnations, Chrysanthemums, potted plants and general greenhouse work. Vicinity New York preferred. Address, E. C., care The Florists' Exchange.

SITUATION WANTED—By Hollander as manager or head gardener of private estate. Disengaged April 1st; graduate of Horticultural College and thoroughly experienced in all branches of horticulture. Best of references as to ability and character. Address Box 23, Abington, Pa.

SITUATION WANTED—By a thoroughly experienced German gardener and florist as head gardener on gentleman's country estate for April 1; grower of Roses, Carnations, 'Mums, all cut flowers, Palms, Ferns, fruit, vegetables, landscape gardening; handling of help. Competent to take full charge of any place; fifteen years' in present place. Married; small family. Address, E. G., care The Florists' Exchange.

SITUATION WANTED AS HEAD GARDENER

on a Gentleman's Country Place. Understands care of lawns, kitchen garden, flowers, shrubs, greenhouse plants, landscape work. Can work from pans, can handle men. American, single, healthy, sober and willing. Understands cement work and general repairs. 172 Water St., Morristown, N. J.

The Horticultural and Landscape Gardening Departments of the Baron de Hirsch Agricultural School announces that the graduates are ready to fill positions with commercial houses engaged in floriculture and landscape gardening, and also positions on private estates as Gardener. These men are fully capable of taking charge of greenhouses, nurseries, parks and landscape gardens. For reference apply to H. W. Geller, Supt., Baron de Hirsch Agricultural School, Woodbine, N. J.

SITUATIONS WANTED

EXPERIENCED SEEDSMAN

Is anxious to change employers. At present holds prominent position. Experience in all branches: catalog writing, buying and selling. Practical knowledge of every branch in the business. Salary no object with a first-class house. Address, D. D., care The Florists' Exchange.

SITUATION WANTED—As head gardener on private place by a married, well educated man, 20 years of age, German, no children, 16 years' practical experience in all branches. Likes to have full charge over a place, any size, where a man is wanted who can show only best of results in any line of the florist trade. Last employ 4 years in one of the finest private estates on Hudson. Can furnish only best of references. Wishes position March 15 or later. Address, E. E., care The Florists' Exchange.

HELP WANTED

WANTED—Single, American man for general greenhouse work; potting, watering, etc. Joseph Wood, Spring Valley, N. Y.

WANTED—A boy 14 to 16 years old to learn florist business; German preferred. Address, E. A., care The Florists' Exchange.

WANTED—A single man with some experience for small commercial place. Lake Newell Floral Co., Newell, W. Va.

WANTED—A young man with some nursery experience to assist in Herbaceous Department. State wages wanted. Chas. R. Fish & Co., Worcester, Mass.

WANTED—Two thoroughly experienced men, one for Carnation section and one for Rose section. Apply with references. S. J. REUTER & SON, Inc., Westerly, R. I.

WANTED—A good all-around man for small private place on the shore. Address, stating full particulars, The New Haven Nurseries, New Haven, Conn.

WANTED—A handy man to take care of horses and do outside work. Apply to R. Shannon & Son, 2380 Fort Hamilton ave., Brooklyn, N. Y.

WANTED—Rosegrower for section; wages $14.00 per week. Address, with recommendations, Pittsburgh Rose & Carnation Co., 222 Oliver ave., Pittsburgh, Pa.

WANTED—A good night fireman, willing to work at anything in connection with the business. Steady position. State wages. P. M. Olm, Bath, Me.

WANTED—Capable, all-around greenhouse man, for mixed stock; German preferred; good wages. None but reliable man must apply. C. M. Newman, Charleston, S. C.

WANTED AT ONCE—An experienced man on Easter plants and for general greenhouse work. Pankok & Schumacher, 11th ave., Whitestone, N. Y.

WANTED—Experienced lady clerk for store, must be quick and good maker-up. Do not apply if you cannot do it. Good wages; traveling expenses paid back. C. M. Newman, Charleston, S. C.

WANTED—Active, young man with experience in Rose growing, as assistant. Position now open; good wages. Apply or send full particulars with references. Madison Cut Flower Co., Madison, N. J.

WANTED—Garden assistant on private estate. Young, married, Protestant. Wife to board help. State experience, references, and wages required, with house, etc. Address, E. L., care The Florists' Exchange.

WANTED—An experienced storeman, designer and maker-up, for a prominent retail store in the metropolis of New York. State wages. Address, with references, D. L., care The Florists' Exchange.

WANTED—An experienced nurseryman for propagating shrubs, herbaceous and bedding plants. State references, age, and wages wanted. Address, Rhode Island Nurseries, Newport, R. I.

WANTED—Men capable of superintending forestry work; also planters and landscape construction men. No drinkers. State wages. Address, Box 13, Fuller Building, Jersey City, N. J.

WANTED AT ONCE—Sober, industrious man used to general greenhouse work, also assistant, and man for bedding, etc. Apply immediately, stating wages expected and full particulars. Apply "Central New York," care The Florists' Exchange.

WANTED—Working foreman for landscape work. Must be able to handle men to advantage and acquainted with grading, planting, etc. Address with particulars and state wages required, to E. H., care The Florists' Exchange.

Use our columns when needing a situation.

Use our columns when needing the best help.

HELP WANTED

WANTED—Two men who are thoroughly competent to superintend the planting of ornamental trees, shrubs, etc., also the grading of lawns and road making. State experience and salary required. Permanent positions. Intemperate men need not apply. Address, Box 115, Little Silver, N. J.

NURSERYMAN WANTED

WANTED—A nursery salesman with knowledge of landscape work; must be familiar with the variety and value of all Evergreens; also a nurseryman who is able to take full charge of first-class nursery. Only men with A1 references need apply. Address, stating full particulars, C. C., care The Florists' Exchange.

WANTED AT ONCE.

Experienced grower to take charge of flower houses of large vegetable greenhouse establishment 23 miles from Boston. 50,000 surface sq. ft. will be devoted to Carnations the coming season. Young German preferred. Must be married, steady, temperate and a good willing worker. Wages to start, $45.00 a month with new five-room house. Call or address,

W. E. LENK, SUPT.,
HALIFAX GARDEN CO.,
HALIFAX, MASS.

STOCK FOR SALE

CARNATIONS

A FINE LOT of Rose Pink Enchantress, strong 2½-in. pots, $20.00 per 1000. C. C. Pollworth Co., Milwaukee, Wis.

CARNATIONS—Apple Blossom and Wanoka; strong rooted cuttings. Delivery, January 1. Wanoka Greenhouses, Barneveld, N. Y.

10,000 R. C. CARNATIONS from boxes, good strong, healthy stock, heavy rooted, in Enchantress, Winsor, Beacon, Lady Bountiful, $3.00 per hundred; $25.00 per thousand. Cohanzie Carnation Greenhouses, New London, Conn.

STOCK FOR SALE—Well rooted Carnation cuttings, Winsor, P. Lawson, White Lawson, Victory, L. Bountiful, $15.00 per 1000. W. Enchantress, Rose P. Enchantress, Enchantress, $20.00 per 1000. Good stock and good count. Cash please. George A. Relyea, Poughkeepsie, N. Y.

CARNATION CUTTINGS.
Strong, clean and well rooted.

STANDARD VARIETIES

	Per 100	1000
Enchantress	$3.00	$25.00
Rose Pink Enchantress	3.00	25.00
Winsor	3.00	25.00
Winona	3.00	25.00
Afterglow	3.00	25.00
Lawson	3.00	25.00
Melody	3.00	25.00
White Perfection	3.00	25.00
White Enchantress	3.00	25.00
Queen Louise	2.50	20.00
Beacon	3.00	25.00
Victory	3.00	25.00
Variegated Lawson	3.00	25.00
M. A. Patten	2.50	20.00
Mrs. Hutchison	3.00	25.00
Roosevelt	2.50	20.00
Boston Market	2.50	20.00
Flora Hill	2.50	20.00
Dorothy	2.50	20.00
Elbon	2.50	20.00
Liberty	2.50	20.00
Climax	2.50	20.00
White Beauty	2.50	20.00
Yellow Beauty	2.50	20.00

NEW VARIETIES

Alma Ward	15.00	120.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Dorothy Gordon	10.00	75.00
Apple Blossom	6.00	50.00
May Day	6.00	50.00
Georgia	6.00	50.00

S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia, Pa.

CHRYSANTHEMUMS

GLORIA, a large early Enchantress colored 'Mum, R. C., now ready, $1.00 per 25; $3.75 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

CHRYSANTHEMUMS—October Frost, Estelle, Monrovia, Golden Glow, Halliday, Yellow Bonnaffon, Enguehard. Cash please. George A. Realyea, Poughkeepsie, N. Y.

EXCHANGE OR SELL—'Mums, R. C., stock plants, for Pink and White Enchantress, Beacon, Perfection, White Geraniums. Waverly Greenhouses, Tuckahoe, N. Y.

Our advertisers will find our

Stock for Sale Column

most advantageous for advertising special lots of plants, nursery stock, seeds, bulbs, etc.

For Quick Sales

STOCK FOR SALE

ROSES

ROSE STOCK.

5000 White Killarney, 2½-in. pots now ready at $8.00 per hundred, $75.00 per 1000. Richmond, Brides, Maids, Chatenay, Golden Gate, Killarney and other standard kinds, $30.00 per 1000. Charles H. Totty, Madison, N. J.

	100	1000
ROSES Dorothy Perkins	$6.00	$50.00
Lady Gay	7.00	60.00
Sweetheart	9.00	
LIGUSTRUM Ibota, 3-4 feet	7.00	60.00
" " 2½-3 feet	5.50	50.00

THE HORTICULTURAL CO.,
Worcester, Mass. Castle Hayne, N. C.

MISCELLANEOUS

STOCK FOR STLE—Campbell Violet Cuttings from sand, $2.00 per hundred, $15.00 per thousand. Henry Carlos, Mansfield, Mass.

FERNS—Boston, Pierson, Elegantissima, 6 in. 35c., 6-in. 50c.; Whitmani, 4 in. 15c., 5 in. 25c., 6 in. 60c. each. Cash. H. Madsen, 395 New Bridge st., West Springfield, Mass.

MILLIONS of early vegetable plants for sale, all kinds of varieties; transplanted or not; ready now. Write for prices. Alonzo J. Bryan, Washington, N. J.

PANSIES—Large, transplanted clumps for Easter, starting to bud and bloom, Mitchell's Exhibition, $2.00 per 100. R. Monaghan, Abington, Pa.

GLADIOLUS—Special prices on Silver Trophy, Sec. 2 and Groff's mixtures. Write for quotations. A. W. Gardiner, Box 575, Springfield, Mass.

VINCA MINOR, the hardy Vinca for cemetery planting and under trees where grass will not grow. Well rooted layers, $1.50 per 100, $10.00 per 1000. E. Y. Teas, Centerville, Ind.

CHINESE PRIMROSES—4-in., large plants, full of buds and blooms, $8.00 per 100. Primula obconicas, 4-in., large plants, full of buds and blooms, $5.00 per 100. Try them. Alonzo J. Bryan, Washington, N. J.

ASPARAGUS PLUMOSA PLANTS
2¼-inch ..... $3.00 per 100
4-inch ..... 6.00 per 100
S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia, Pa.

STOCK FOR SALE—Geraniums, Beaute Poitevine, $3.00 per 100. General Grant, Ricard, Nutt, Beauty, etc., $7.00 per 100. All 4-in. fine plants; guaranteed true to name. Alonzo J. Bryan, Washington, N. J.

MARGUERITE DAISIES

Bushy plants from 3 in. ready for 5 in., will make fine stuff for Decoration Day, $5.00 per 100, $40.00 per 1000. Madsen & Christensen, Woodridge, N. J.

STOCK FOR SALE—Gladiolus Alice Carey, the best white in cultivation, No. 1, $5.00 per 100; $40.00 per 1000. America, No. 1, $4.00 per 100; $30.00 per 1000. Price list free. E. Y. Teas, Centerville, Ind.

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices. George Peters & Sons, Hampstead, N. Y.

STOCK FOR SALE—Ivy, English, pot grown plants, 4-in. pots, 3 ft. long, 3 to 5 branches, $12.00 and $15.00 per 100. A. L. Miller, Jamaica ave., opp. Schenck ave., Brooklyn, N. Y.

STOCK FOR SALE—Hyacinths from 4-in. pots, just right for Easter, blue, white, rose, pink or mixed, $8.00 per 100; try them. Tulips, 3 to the pot, $10.00 per 100. Alonzo J. Bryan, Washington, N. J.

STOCK FOR SALE—Geraniums S. A. Nutt and Double Lobelia, 2-in., $2.00 per 100, Rooted Cuttings, Double Lobelia, Salvia, Zurich, German Ivy Ageratums, Gurney and Cuphea, 75c. per 100. Cash with order. F. A. Ezold, Haddam, Conn.

STOCK FOR SALE—GERANIUMS, standard varieties from 2-in. pots, $17.00 per 1000. Asparagus plumosus, 3-in., $4.50 per 100. Asparagus Sprengeri, 3-in., $4.00 per 100, from 2-in. pots, $2.00 per 100. J. S. Pfeuffer, Chester Heights, Pa.

STOCK FOR SALE—Dahlia Roots, undivided field-grown clump, White Swan, Pearl d'Or, Kreimhilde, Nymphia, Lyndhurst and Catherine Duer. Send for special price list. Wood & Healey, Hammonton, N. J.

BOXWOOD

Boxwood, dwarf. Fine, well furnished, perfect, 2-year transplanted plants, 6 to 10 in., $1.50 per doz.; $8.00 per 100. Packed free. No samples. Guaranteed as represented above. CHAS. BLACK, Hightstown, N. J.

GLADIOLI—Brenchleyensis and Buchanan make effective decorations. Bulbs of same for sale, first size, $9.00 and $25.00 per 1000, respectively. My soil, climate and method are well adapted to the production of mature sound stock. John H. Umpleby, Lake View, N. Y.

PANSY PLANTS—Dreer's Royal Exhibition, transplanted 100 to a flat now in cold frames. Plants are crowding and must be again transplanted. Fine stocky plants, $1.00 per 100. From seed bed November sown and cool greenhouse grown, strong plants by mail, 60c. per 100. Russell Bros., Syracuse, N. Y.

STOCK FOR SALE

MISCELLANEOUS

CLEMATIS PANICULATA, splendid stock and plants, $1.00 per doz., $5.00 per 100, $50.00 per 1000. Large flowering, purple, red, white and blue, $2.00 per 10. F. A. Buller, Bloomington, Ill.

FOR SALE—Princess of Wales Violets. Our strain is the finest to be found in New England; free from disease or spider. Large clumps, $8.00 per 100; strong rooted divisions, $1.25 per 100; $8.00 per 1000. Sweet Hill Greenhouses, Carl R. Lloyd, Prop., Plaistow, N. H.

STOCK FOR SALE—Hydrangea arborescens grandiflora alba. We have the largest stock of strong, 2-year plants in America. Plants, 2 to 3 ft., $2.50 per doz., $16.00 per 100, $140.00 per 1000; good plants, 15 to 20 inches, $10.00 per 100. Price list. E. Y. Teas, Centerville, Ind.

EASTER PLANTS.

Primula obconica, 4 and 6 in. pots, well flowered, splendid large flowering assortment; strong, well furnished plants, $2.50 to $6.00 per doz.; $15.00 to $40.00 per 100. Acorus, graminens, $8.00 per 100. Flower and shrubs in season. Henry Rudolph, Essex Falls, N. Y. Tel. 6 Caldwell, N. J.

STOCK FOR SALE—Genuine Irish Shamrock, original plant coming from cemetery Downpatrick, Ireland. 2¼ in., without pots, $4.00 per 100, $36.00 per 1000; with pots, $4.60 per 100, $40.00 per 1000; 250 at 1000 rate. Order early. Terms, cash. J. D. Harcourt's Son, Wappingers Falls, N. Y.

BEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2¼-in. pots, $12.00 per 100, $110.00 per 1000. Bay and Box Trees, in all sizes, pyramid and standards. Write for list. Orchids, largest stock in the country. Ask for prices. Julius Roehrs Company, Rutherford, N. J.

FERNS AND ASPARAGUS

Boston, 3, 4 6 in. at 6c., 12c., and 35c.
Piersoni, 3, 4, 6 in. at 6c., 15c., and 40c.
Whitmani, 3, 4, 6 in. at 10c., 20c., and 50c.
Sprengeri, 2, 3, 4, 5 in., at 2c., 3c., 6c. and 12c.
Smilax, 3 in., 3c.
GEO. M. TODD, GREENSBORO, N. C.

AMOOR RIVER PRIVET—Great Bargain. This is fine, 2-year stock.
5-6 ft., $4.60 per 100, $40.00 per 1000.
4-5 ft. $4.00 per 100, $35.00 per 1000.
3-4 ft. $3.50 per 100, $30.00 per 1000.
Also 1-year stock.
2-3 ft. $2.50 per 100, $20.00 per 1000.
1-2 ft., $2.00 per 100, $15.00 per 1000.
GEO. M. TODD, GREENSBORO, N. C.

HOWARD'S NEW STAR PETUNIA

The loveliest single Petunia in the world, producing a silvery white star, fading into a background of rich crimson maroon. Easily grown; blooms profusely; of surpassing beauty; valuable bedder and seller. Twenty-five cents per trade packet. Address the originators,
A. B. HOWARD & SON,
BELCHERTOWN, MASS.

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA

The true large flowering forcing variety, warranted true 2¼-inch pots at $3.00 per hundred, one year field grown strong 12 to 18 inches, $6.00 per hundred, $55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

CALIFORNIA PRIVET

2 YEAR STOCK, CUT BACK LAST YEAR. 2 to 3 ft., 5 to 7 branches, $2.00 per 100, $15.00 per 1000; 18 to 24 in., 4 to 6 branches, $1.50 per 100, $12.00 per 1000; 12 to 18 in., 3 to 4 branches, $1.25 per 100, $10.00 per 1000. 3 year old, cut back and rooted once, 18 to 24 in., $1.50 per 100, $10.00 per 1000; 12 to 18 in., $1.25 per 100, $8.00 per 1000.

PALMETTO AND GIANT ARGENTEUIL

ASPARAGUS tied in 25's, 3 years' extra strong, $5.00 per 1000; 2 year, No. 1, much larger than you have been getting, at $3.50 per 1000. No charge is made for packing, can ship at once.
Jos. H. Black, Son & Co., Hightstown, N. J.

EXTREMES MEET!
Minimum Cost—Maximum Quality

This is demonstrated fully in our 1910 catalogue of

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which we grow exclusively by the acre. Free for the asking.

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

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FOR SALE—6000 feet of glass with dwelling; no competition, rapid growing trade. A rare opportunity. Dwight Greenhouses, Dwight, Ill.

FOR SALE—Florist store, established 23 years, good locality; does good business. Sell cheap, poor health, must leave the city. Now is the time to buy. Address, E. D., care The Florists' Exchange.

FOR SALE—Florist and seed business, situated near L. I. R. R. Station and Bank, Myrtle Ave. Car Terminal. Plenty of funeral and landscape work. Established 8 years. Will sell before Easter. Price $1000. Address, E. M., care The Florists' Exchange.

FOR SALE—4 greenhouses, 10,400 feet of glass; over half an acre of ground; 6-room cottage; 75 miles from New York City in a city of 30,000 population. For full particulars, address, George A. Relyea, Orchard Place, Poughkeepsie, N. Y.

FOR SALE—In East Williamsburg, L. I., 2 family dwelling with stable and 4 greenhouses with 6000 sq. ft. of glass; 5 lots, 25x100 ft., and piece of land to hire in rear of property. Place in good condition; convenient to all cars and trains. Estate of Andrew Groll deceased. Inquire of Jacob Amann, Florist, 1702 Metropolitan Ave., Middle Village, L. I., at Lutheran Cemetery.

FOR SALE

Florist property, 5 greenhouses, connected with large shed, good steam boiler, plenty of own water, 3 acres in city limits; conveniently located in large suburb 6½ miles from center Philadelphia; near train and trolley. Owner having other business, will make reasonable conditions of sale. For further details, address, D. E., care The Florists' Exchange.

SUNDRIES FOR SALE

FOR SALE—Best brands greenhouse glass, all sizes at special low prices. Small or large lots. C. S. Weber & Co., 10 Desbrosses st., New York City.

FOR SALE—Two Florists' wagons, one closed and one open. Both in the best of shape. For particulars and prices, address, S. S. Pennock-Meehan Co., 1608 Ludlow st., Philadelphia, Pa.

TOBACCO DUST AND STEMS. Dust in cases, 250 lbs., 3c. per lb.; stems in bales, 200 to 250 lbs., $1.50. Cash with order. Money back if you say so. S. R. Levy, Binghamton, N. Y.

FOR SALE—Three greenhouses at No. 416 Elm Street, Pittsfield, Mass. Glazed with 16x24 A double thick glass; heated with one large 8-section Furman boiler, 2-in. pipe. The drip bars and other material are all of Cypress—just like new. We will sell all or any part of same. Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

FOR SALE—for removal on account of city improvements, a range of new iron frame greenhouses in New York City. Write for particulars to E. K., care The Florists' Exchange.

FOR SALE—600 boxes 12x20 and 12x16 double thick glass; lot hotbed sash, 16,000 feet of 1-in., 5000 feet of 2-in. and 1½-in., 4000 feet 4-in. Hitchings pipe; 1400 feet ventilating apparatus; 2 Erie locomotive boilers, one No. 6 Lord & Burnham and one No. 17 Hitchings, 2 years old; everything in first-class condition; 10 greenhouses, 20 x 110; complete or in single lots, very cheap. Inspect S. C. Nash Roseries, Clifton, N. J., or inquire Suessermann, 229 Livingston Street, Newark, N. J.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED TO BUY—50,000 plants of Asparagus Plumosus out of two to three in. pots, for planting out. Send samples and bid for whole or any part of above to Walter Armacost, Ocean Park, Cal.

WANTED AT ONCE

10,000 unrooted cuttings of White Perfection, 10,000 unrooted cuttings of Pure White Enchantress, 10,000 unrooted cuttings of Enchantress. WHITE BROS., Gasport, N. Y.

SPECIAL BUSINESS CHANCE

I AM A FIRST-CLASS GROWER of the choicest flowers, plants and fruits, and a hustler. I can place in a business from five to ten thousand dollars, and would like to communicate with another good practical, sober man similarly situated and arrange to go into partnership. Address, E. N., care The Florists' Exchange.

We Pay The Freight on cut-flower and design boxes. See our price list on page 476, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.
Box 200 - - - Castorland, N.Y.

Please mention the Exchange when writing.

S. A. F. and O. H.

The Mid-term meeting of the executive board of the Society of American Florists' and Ornamental Horticulturists will be held at the Seneca Hotel, Rochester, New York, March 12, at 10 a.m., and will continue until March 15 inclusive. H. B. DORNER, Secretary.

SAN DIEGO, CAL.—Articles of incorporation of the San Diego Floral Association were filed Feb. 18, in the office of the county clerk, Alfred D. Robinson, L. A. Blochman, S. M. Daley, Kate O. Sessions, Lyman J. Gage, Rodney Stokes and Mrs. F. P. White being named as directors. The purposes of the Association, as stated in the articles of incorporation are to promote knowledge of floriculture, and a larger appreciation of flowers; to encourage the science, art and practice of floriculture, horticulture and arboriculture, and the beautification of grounds about homes, schools and other public buildings. It is also the purpose of the organization to hold floral exhibitions. The Association has become widely known through gifts of flowers to those ill in hospitals, for the graves of the strangers who have died within the gates of San Diego, and the providing of decorations for all public gatherings.

Books Every Florist Should Have

THE GARDENER'S ASSISTANT.—New. Two large volumes. The most complete encyclopedia of gardening published. Includes fruit culture. Prospectus. Price, $15.00.

THE ROSE.—H. B. Ellwanger. Price $1.25.

FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $2.25. Reviewed Feb. 19, 1910.

SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.

PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 27, 1909.

PLANT CULTURE.—George W. Oliver. Price $1.50; $1.00 to subscribers in good standing. Prospectus.

VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.50. Prospectus.

THE AMERICAN CARNATION.—C. W. Ward. Price $3.50. Prospectus.

SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 50c. Prospectus.

THE CHRYSANTHEMUM.—A. Herrington. Price 50c.

The review notices or prospectuses of the books mentioned will be mailed to any subscriber on application.

Prices quoted include prepaid delivery.

Address orders to

The Florists' Exchange No. 2 Duane St. New York

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ALL NURSERYMEN SEEDSMEN and FLORISTS

Wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the B. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

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FOR SALE

RADIATORS Steam, 1½c. per lb.; hot water, 2c. per lb. Guaranteed. All sizes in stock.

BOILERS The following new, round, portable hot-water boilers—guaranteed, 16-in., rated to heat 1,126 sq. ft. of glass, $34.00. 19-in., rated to heat 1,600 sq. ft. of glass, $46.00. 22-in., rated to heat 2,250 sq. ft. of glass, $64.00. 26-in., rated to heat 3,076 sq. ft. of glass, $90.00. Get our prices on second-hand boilers. We have one of the largest stocks of new and second-hand round and sectional hot-water and steam boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Car load extra heavy iron 2-in. pipe, 20 ft. lengths, weighing 100 lbs., at 5½c. per ft., including threads and couplings, in 1000 ft. lots. Pipe cut to sketch.

PIPE TOOLS Large Stock—All Makes and Sizes—Send for special prices.

STILLSON WRENCHES New, guar. 18 in., capacity 2 in., $1.20. 24 in., capacity 3½-in., $1.80. Flat chain wrenches, No. 3, capacity ¾ to 6 in., $3.86.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 6 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 86c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 8 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.86. Second hand sash glazed with 6 x 8 glass at $1.26, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES. All sizes. Send for prices.

GLASS New American natural gas made glass, packed 60 sq. ft. to the box, 8x10, 10x12 and 10x15 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $18.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

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THE BEST WAY

to collect an account is to place it with the

National Florists' Board of Trade

56 Pine St., NEW YORK

WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

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A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00.

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.

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SPRING TRADE EDITION

Will be Issued
MARCH 19

The Best Rooted Carnation Cuttings

MONEY CAN BUY

Clean, Healthy Stock, Well Rooted.

	100	1000
CONQUEST	$12.00	$100.00
MARY TOLMAN	12.00	100.00
SANGAMO	12.00	100.00
WHITE PERFECTION	3.00	25.00
ENCHANTRESS	2.50	20.00
MAY DAY	6.00	50.00
DAYBREAK LAWSON	3.00	25.00
ROSE PINK ENCHANTRESS	3.00	25.00
WINONA	3.00	25.00
WINSOR	3.00	25.00
SPLENDOR	3.00	25.00
ALVINA	5.00	45.00
AFTERGLOW	3.00	25.00
LAWSON-ENCHANTRESS	3.00	25.00
O. P. BASSETT	6.00	50.00
VICTORY	3.00	25.00
ANDREW CARNEGIE	3.00	25.00
GOV. DENEEN	5.00	45.00
MRS. CHAS. KNOPP	6.00	50.00
WHITE ENCHANTRESS ... April delivery	3.00	25.00
BEACON ... April delivery	3.00	25.00

CHICAGO CARNATION CO. A. T. PYFER, Mgr. Joliet, Ill.

Please mention the Exchange when writing.

SHASTA

WE are now shipping fine, strong cuttings of **Shasta,** as fast as they are ready to come out of the cutting bench. Orders on our books will take all that will be ready up to February 15th. If you want late February delivery you should send in your order at once before the other fellow gets them.

Come and see it growing if you can. Once you see it you will want to grow it. $12.00 per 100, $100.00 per 1000.

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

"Canary Bird"

THE BEST YELLOW CARNATION EVER INTRODUCED

EARLY—FREE—LARGE

Rooted Cuttings Ready Now, per 100 $12.00, per 1000 $100.00

Henry Schrade, Saratoga Springs, N. Y.

Scranton Florist Supply Co., Scranton, Pa.

Westerly, R. I., Feb. 12, 1910

HENRY SCHRADE,
Saratoga Springs, N. Y.

Dear Sir:—We received the cuttings of "Canary Bird" this day in good condition, and are also well pleased with the appearance of the blooms you sent us of this variety. In fact, we would like to increase our order, as this carnation looks very good and we would like to grow a fair batch for trial next season. The blooms which you sent us are at this writing in good condition, they having expanded considerable and it shows to be a good keeper. Can you ship us at an early date an additional quantity of cuttings?

An early reply would be appreciated.

Yours very truly,
L. J. REUTER,
For S. J. Reuter & Son, Inc

Please mention the Exchange when writing.

New Bedford, Mass.

Trade the past week has been fair. There is a good supply of flowers coming into this market. Prices have dropped somewhat from last week; Carnations are now retailing at 50c. per dozen; Roses at $1.50 per dozen; Violets at 75c. and $1 per 100 blooms; Sweet Peas, $1 per 100 blooms. Bulb stock is quite plentiful just now, and 50c. per dozen in general is the retail price. A few single Narcissus retail at 35c. per dozen. Easter Lilies sell at $2.50 per dozen retail, and Callas at $2. Some nice Snapdragon sells at $1 per dozen retail. Mignonette of good quality also sells fairly well; Freesias are about all over with us now; there is very little demand for these sweet flowers outside of funeral work.

Funeral work of late has been good, nsing up immense lots of stock. The recent weather we have had being very mild and warm has opened up flowers quickly and the result has been a regular "glut." We are now feeling the effects of it.

Our old friend the fakir is with us now. He is slashing prices right and left. All last week he was selling Carnations and Violets at ridiculously low prices—Carnations at 30c. per dozen, and big bunches of Violets at 25c. per bunch, and even cheaper. This must certainly hurt the storemen uptown, who have to pay high rentals. I suppose it is the same in almost every business; there are always some skins ready to beat down prices.

One of our florist growers had a man selling Violets on Saturday last at 10c. per bunch.

We look for a toning up of prices for Easter, and a good demand.

H. A. Jahn has produced a Daisy that is practically the same thing as the Hen and Chickens' Daisy of Germany, known botanically as Bellis perennis prolifera. This flower has a large central blossom with small offshoots. It certainly is most curious.

H. A. Jahn has some fine promising seedling Carnations that will be heard from later.

The weather continues warm.

HORTICO.

Topeka, Kan.

Ed. G. Bass, the Topeka florist, who has been selected by the Illinois Florists' Association to act as secretary of a similar organization in Kansas, has issued a call for a meeting of the florists of Kansas to be held in Topeka June 8. The purpose of the meeting is to organize the florists and all others who grow plants under glass in Kansas. Mr. Bass thinks there are about 100 florists in Kansas and he will attempt to bring all of them to Topeka for the meeting.

Plant Culture

By GEO. W. OLIVER.

Propagator to the Bureau of Plant Industry, U. S Department of Agriculture, Washington, D. C.

New, revised and enlarged edition, fully illustrated, handsomely printed on enameled paper and bound in Vellum de Luxe cloth, 12 mo., 300 pages. Sample pages on application. Purely an American book by an American author.

The Book of Books for the Grower. Compact, concise, practical, containing all the information bearing on present day practice. You need it for yourself, for your foreman, for your men.

SPECIAL OFFER

To New Subscribers or to Subscribers Renewing: The Florists' Exchange two years and one copy of Plant Culture by mail, postpaid, $3.00.

To Present Subscribers: Plant Culture postpaid, per copy, $1.00.

Positively, Plant Culture will not be sold to non-subscribers at less than $1.50 per copy.

THE FLORISTS' EXCHANGE, P.O. BOX 1697 NEW YROK

CARNATIONS ROOTED CUTTINGS

	100	1000
WHITE		
Apple Blossom	$5.00	$40.00
Mrs. J. C. Vaughan	4.00	
White Enchantress	2.50	20.00
PINK		
Afterglow	4.00	
Viola Sinclair	3.00	25.00
Winona	3.00	25.00
Mrs. Thomas Lawson & Winsor	1.50	12.00
CRIMSON		
Harvard	3.50	30.00
Harry Fenn	1.25	10.00

February and March delivery.
Less 3 per cent for cash with order.
Quality guaranteed or money refunded.

B. F. BARR & CO.

Keystone Nurseries, Lancaster, Pa.

Please mention the Exchange when writing.

CARNATION CUTTINGS

My stock has not been allowed to throw over three blooms per plant and is, therefore, very vigorous, producing cuttings strong and full of life. Cuttings from such stock will produce more and better flowers next Winter than the ordinary grade from stock that has been flowered to death.

	100	100
Harlowarden	$2.00	$18.00
Enchantress	2.50	20.00
Rose Pink Enchantress	2.75	22.50
White Perfection	2.75	22.50
Pure White Enchantress	3.00	25.00
Winona	3.00	25.00
Beacon	3.50	30.00

250 at 1000 rate.

A. A. GANNETT, GENEVA, N. Y.

Please mention the Exchange when writing.

Rooted Cuttings

	Per 100	1000
Perfection	$2.00	$17.50
Georgia	6.00	
Enchantress	2.00	15.00
Rose Enchantress	2.00	12.50
Winona	3.00	25.00
Afterglow	2.00	15.00
Winsor	2.00	12.50
Harry Fenn	2.00	12.50
Beacon	2.50	20.00

Boston Ferns, from bench, $2.50 per 100, $20.00 per 1000; ready to plant.

QUIDNICK GREENHOUSES

J. H. Cushing, Prop., Quidnick, Anthony P. O. R. I.

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings. Clean, healthy stock.	100	1000
Enchantress	$2.50	$20.00
Pure White Enchantress	3.00	25.00
Rose Pink Enchantress	2.75	22.50
White Perfection	2.75	22.50
Winona	3.00	25.00
Beacon	3.50	30.00
Winsor	2.50	20.00
Harlowarden	2.00	18.00

Cash with order.

SMITH & GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

CARNATIONS and CHRYSANTHEMUMS

ROOTED CUTTINGS

Send for price list.

WILLIAM SWAYNE, P. O. BOX 215, Kennett Square, Pa

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, $12.00 per 100, $100.00 per 1000.

Alma Ward, $15.00 per 100, $125.00 per 1000.

Mrs. J. C. Vaughan, Bay State and Georgia, $6.00 per 100, $50.00 per 1000.

Robert Craig, Afterglow and Harlowarden, $3.50 per 100, $30.00 per 1000.

New crop. Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons, at 25c. and $1.00 per package.

CHAS. H. TOTTY

MADISON, N. J.

Please mention the Exchange when writing.

PLANTS AND ROOTED CUTTINGS

Fine, Clean, Strong, Well-Rooted Stock

Rose Cuttings

	100	1000
Richmond	$2.00	$17.50
Chatenay	2.00	17.50
Bridesmaid	2.00	17.50
Bride	2.00	17.50
Uncle John	2.00	17.50
Ivory	2.00	17.50
Perle	2.50	20.00
Sunrise	2.50	20.00

Roses from 2½-inch Pots

	100	1000
Pink Killarney	$4.50	$40.00
My Maryland	6.00	50.00
Richmond	3.00	25.00
Chatenay	3.00	25.00
Bride	3.00	25.00
Bridesmaid	3.00	25.00
Uncle John	4.00	35.00
Ivory	4.00	35.00
Perle	4.00	35.00
Sunrise	4.00	35.00

Carnation Cuttings

	100	1000
O. P. Bassett	$6.00	$50.00
Victory	2.50	20.00
Winsor	2.00	15.00
Rose Pink Enchantress	1.50	12.50
Lawson	1.50	12.50

PETER REINBERG, 35 Randolph Street, Chicago

Please mention the Exchange when writing.

Spring Trade Edition

Will be issued

next Saturday, March 19

THE EXCHANGE—Best Advertising Medium

GREENHOUSE HEATING

By Fredk. J. Elder, Heating Engineer for the Lord & Burnham Co

There are two principal methods of greenhouse heating, hot water and steam, and both methods accomplish their results by the radiation of heat from the best and the cheapest possible radiating surface, i. e. horizontal iron pipe.

In either system the piping is generally placed at the sides of the house and under the plant benches, and for almost all purposes this seems to be the best possible distribution. In some cases solid beds of the same height are preferred to raised benches, and in these cases the piping is generally hung on the side walls and on the sides of the solid beds; and in vegetable houses, where there are no raised beds at all or very low beds, say 8" to 12" high, the piping is hung on the side walls and as low as convenience will permit on the pipe columns supporting the roof, and sometimes single lines are placed around the low solid beds.

Under bench heating is preferable for nearly all purposes to over-bench heating, but plants with flower buds will be forced into flower more quickly and Mushrooms seem to do better with over-bench heating. It seems to be the general practice to require raised benches with under-bench heating for Rose growing.

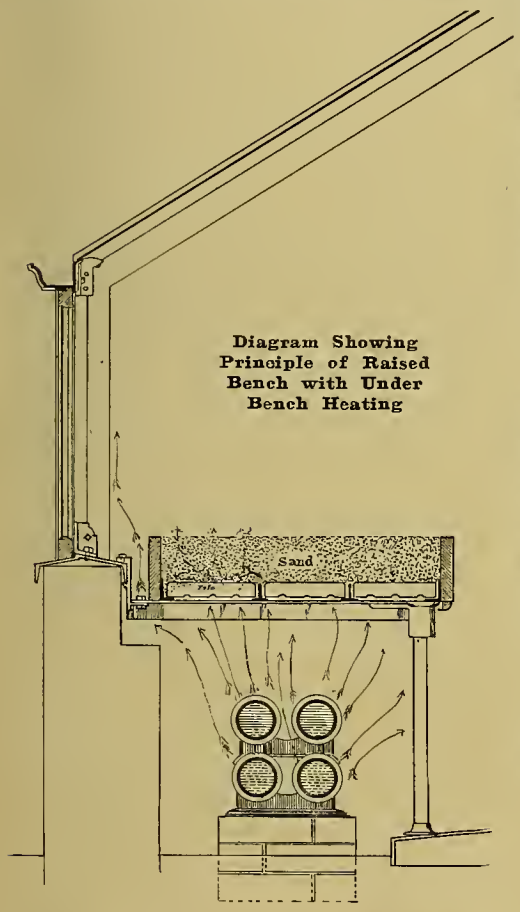

Diagram Showing Principle of Raised Bench with Under Bench Heating

It is not possible to say that either hot water heating or steam heating is better for all purposes, and under all conditions; each has its advantages and each its disadvantages under certain conditions. It seems to be a fact, however, that hot water heating is generally preferable on its own merits for general purposes, but it undoubtedly costs more to install than does a steam plant of the same capacity.

Hot water piping diffuses a mild heat more nearly like sun heat than that radiated from steam pipes, a more natural heat, let us say, and as it is lower in temperature it requires more units of radiation, and more pipes than steam heating requires; and because of this it permits of a better distribution and more even temperatures throughout the greenhouse.

Hot Water Systems Best for Carnations and Roses

One of the foremost growers in the Eastern States has had two large houses of the same section, the same glass exposure, and the same bench arrangement; one house was heated by hot water, the other by steam, and each system capable of the same temperature results. This grower states that he noticed a decided difference in the crops taken from the two houses. That from the water heated house was superior to the crop from the steam heated house. As all other conditions seemed equal, he thought at first that the difference in results obtained was probably due to the fact that different growers were in charge of the houses, so he exchanged the growers, but found the difference in crops constant; and he now feels certain that, at least for Rose and Carnation growing, hot water heating is superior to steam heating.

Economy

It is not possible to state which of the two systems is the more economical under all conditions. In small and fair-sized private ranges and small and moderate-sized commercial ranges, gravity hot water systems would be found to be, perhaps, slightly more economical than steam, and this is, no doubt, due more to the following fact than to any other: i. e., a heavy fire is not required to produce a circulation in a hot water system and only a mild heat is required in mild weather, but considerable fire is required to generate steam, and there is little or no circulation in a steam heating plant before steam is generated. This condition does not exist, and a greater degree of economy is attained, in larger plants, whether of steam or hot water, because in the larger plants where boilers are set in batteries and the systems are completely under control by shut-off and cut-out valves it is possible to make approximately just the quantity of hot water, just the quantity of steam, or in other words, just the number of B. T. U.* required, and the waste is less, proportionately, than in smaller plants. In the largest plants with system properly constructed and properly proportioned the writer believes that in economy of operation and consumption of fuel there is no choice between hot water and steam heating.

Proportioning Radiating Surface

A greenhouse is, without doubt, the most difficult of all structures to heat, and is, it might be said, the least responsive to scientific calculation to ascertain the required quantities of radiation. This is due to the great susceptibility of a greenhouse to the cooling effects of winds—if all outside air were at all time quiet air, the heat loss per square foot of exposed surface would be constant, notwithstanding the fact that the openings between the lapped lights of glass are not at all of the same size. Excepting sheet iron only, glass is, of all building materials, the greatest conductor of heat, and all greenhouse radiation must be figured in ratio to the exposed glass surface or its equivalent in other exposed surfaces. The ratios following have been used by Lord & Burnham Co. for years, and have given satisfaction.

For Hot Water Heating

Table of Factors for finding the number of sq. ft. of pipe surface required to heat to different temperatures in greenhouses when the outside temperature is at zero.

For 70° to 75° divide square feet of glass and equivalent by 1.8.
For 65° to 70° divide square feet of glass and equivalent by 2.28.
For 60° to 65° divide square feet of glass and equivalent by 2.62.
For 55° to 60° divide square feet of glass and equivalent by 3.
For 50° to 55° divide square feet of glass and equivalent by 3.46.
For 45° to 50° divide square feet of glass and equivalent by 4.
For 40° to 45° divide square feet of glass and equivalent by 4 67.
For 35° to 40° divide square feet of glass and equivalent by 5.5.

From the use of such a list of divisors it will appear that greenhouse heating, as practiced, is a rule of thumb business. The list of divisors is not, however, entirely a rule of thumb, but I must admit that it amounts to nearly the same thing, inasmuch as it is a fact that in the derivation of the formula from which the divisors are obtained the premises are not all absolutely correct. Therefore, the conclusion can hardly be true to all cases. The formula is $\frac{(T-T^1)\,G}{(150-T)\,2} = R$ Where T equals the temperature required in a greenhouse, T^1 equals the coldest outside temperature, G equals glass and equivalent exposure, 150 equals average temperature in degrees of water in pipes, 2 equals the B. T. U. given off per square foot of pipe surface per hour per degree of difference between the temperature of the air and that of the water in the pipes, and R equals the required number of square feet of radiating surface. This formula is constructed on the theory that every sq. ft. of glass surface loses 1 B. T. U. per hour per degree of difference between the inside temperature and the temperature outside, and that every sq. ft. of pipe surface effuses 2 B. T. U. per hour per degree of difference between the temperature of the water in the pipes and the air surrounding the pipes. It is evident that if one sq. ft. of ordinary vertical window glass surface loses 1 B. T. U. per hour per degree of difference between the inside and the outside temperatures, one square foot of greenhouse roof surface with its lapped glass between the lights of which the wind blows at will and which surface is nearer horizontal than vertical will lose heat at a considerably greater rate. Also, horizontal pipe coils do radiate heat at a rate of 2.25 B. T. U. and upward per sq. ft. per hour per degree of difference, and the rate may be taken as 2.2 B. T. U. without appreciable error, and, finally, the average temperature of the pipes is usually 10 or 15° higher than 150°, and on demand it may be brought to an average temperature of 180°. So it is evident that the formula is constructed from data which is not absolutely correct. Nevertheless, the results obtained are to a degree constant.

The quantities of radiation produced by these divisors are large, and assurance is felt that the temperatures required will be maintained through eight to ten hours of inattention to the fire during the night, during which time the fires are banked and provided with very little draft. It is owing to this feature, namely that hot water heaters generally get no attention at night, that large pipes are preferable to small pipes for greenhouse heating by gravity circulation of hot water. These large pipe systems—contemptuously called "water logged" by manufacturers of different devices which are calculated or are represented to produce the same or a greater amount of heat with a lesser consumption of coal—will maintain temperatures during the night, and toward morning, far better than a small pipe system can.

I have stated that the susceptibility of greenhouses to cooling winds make them hard to heat. The actual loss of heat through laps between the glass is next to impossible to calculate. In the heating of dwelling houses, hospitals, offices, and all such buildings, engineers calculate very closely the number of air changes per

*A B. T. U. is a British Thermal Unit, the standard of heating measurement. It represents the quantity of heat required to raise the temperature of 1 lb. of water 1° Fahr.

Diagram B

The roof of the large house is exactly equal to the roof over the two houses of one-half its width when the roof pitch is the same in both. The roof of the large house (from the eaves up) encloses just twice the quantity of air space that is enclosed by the same amount of roof over the two narrow houses. The whole air in the large house cannot, therefore, be changed as many times per hour through the same glass surface as can the whole air in the two small houses, and the amount of air that must be "re-heated" per hour is less, so the large house does not require so much radiating surface as the small houses per sq. ft. of glass, and the large house is a much steadier house withal. With houses of all shapes and forms, as they increase in width, the amount of cubic contents enclosed increases more rapidly than the roof surface; therefore, all large houses are somewhat easier to heat than small houses, and this difference in the amount of radiation required and tons of coal consumed is very apparent in ranges where both large houses and small houses are used.

hour and make proper provision for the same. In a greenhouse the number of changes of air per hour, whatever it might be, is dependent first on the wind velocity or pressure, on the roof pitch or shape of this roof, on the amount of lap of the glass and on the size of the openings between the laps of glass. The sizes of these openings in turn depend on the width of glass used. The wider the glass used, the greater the "sag," i. e., the greater the openings between the lights. Four widths of glass are used—24", 16", 14" and 12", although 16" glass may be taken as a standard, it being used now almost exclusively in the best houses. 14" and 12" are used very seldom.

I have explained that the number of changes of air per hour is hard to determine. Nevertheless, the heat loss due to this cause is high, and for this reason it is comparatively easier to heat a large house than it is to heat a small house; or in other words, less radiating surface is required per sq. ft. of glass for a large house than is required per sq. ft. of glass for a small house. The proportion of glass to cubic contents is not true for all sizes and shapes of houses; with houses of the same general shape, the same height of eaves and the same roof pitch, the amount of cubic contents is higher in ratio to the glass in large houses than in small houses. This difference in the ratio of glass to cubic contents is easily shown by placing two houses of the same width and roof pitch together in ridge and furrow fashion, then comparing the glass and cubic contents of the single house to the glass and cubic contents of a house of twice its width. (See Diagram B.)

There is another fact that upsets an attempt at exact calculation of radiating surface for greenhouses. That is, that the atmospheres of a greenhouse being usually humid, when the outside temperature is in the neighborhood of zero a sheath of ice covers the glass. This sheath stops up the openings between the laps, and also changes the rate of conduction through the glass so covered. It is not possible to say at just what temperature outside this sheath forms, as the formation of this ice is obviously dependent on the degree of humidity inside the greenhouse, the inside temperature of the house and the proximity of the radiating surface to the glass.

In all calculations for the radiation of dwelling houses it is usual to consider the amount of hot water radiation required, and the amount of low pressure steam radiation required as being equal to the ratio of 1 to .6; or, in other words, where 100 sq. ft. of hot water radiation would be used, 60 sq. ft. of low pressure steam radiation would produce the same results. In the heating of greenhouses it has been found that one lin. ft. of 3½" cast iron pipe in hot water heating will produce the same results as one lin. ft. of 1¼" low pressure steam pipe, and the ratio of hot water surface to low pressure steam surface in greenhouses is, therefore, 1 to .4, 1 lin. ft. of 3½" pipe being equivalent to 1.05 sq. ft. of surface, and 1 lin. ft. of 1¼" pipe being equivalent to .43 sq. ft. of surface. This difference of the comparative values of hot water and steam heating surfaces is due to the fact that greenhouse heating systems are called upon for their very hardest work at night, and dwelling house conditions require the most heat in day time; and, again, a greenhouse hot water plant gets little or no attention for hours at night, while a greenhouse steam heating system requires a night fireman. To be brief, there is less difference in night and day temperatures of steam pipe than there is in night and day temperatures of hot water pipe.

(To be continued.)

BY EBER HOLMES

Care of the Young Stock

At this time of the year the care of the young stock is one of the most important items in the work of a Rose growing establishment. On the proper care of the young, growing plants much of the future success depends. Cuttings in the sand should be carefully potted as soon as roots are formed, and before they get too long. If left in the sand bed after this stage the roots will be broken in handling and the plants will be checked by this, in addition to the check they have already received by staying too long in the sand. After being potted, water carefully and shade from very strong sun for a few days, reducing the shade daily, if possible, and giving them the full benefit of the sun all day just as soon as they can stand it. If they are in good condition very little shading is required anyhow. If the plants are at all soft a judicious blending of shade and sunshine will soon bring them into good condition. Syringe carefully to keep down red spider, water the plants well on the outside edges and see that those in the middle do not get too wet.

Young Grafted Plants

Young grafted plants should be taken out of the case as soon as ready, which will be in about three weeks after grafting, generally, although in some cases, where case room is limited, or from other causes, they have been taken out in two weeks. Set them on a good warm bench and shade for a day or two. See that the Raffia does not cut the bark; this trouble occurs where it was used too thick or was tied on in a hard knot. The best plants are the ones started early, so make every effort to finish propagating as soon as possible.

White Killarney Gaining in Popularity

We have some white Killarneys which were grafted on the 28th of last April, on Manetti stock which had been started in a coldframe. These are very good, healthy plants and have done well, although from the late start they had they have been small all Winter. We are receiving orders for My Maryland grafted, although our experience makes us prefer this Rose on its own roots. A few orders are coming in for Bridesmaid, but in every case these are from gardeners on private places. There is a tendency in some places to go heavily into white Killarney, which may cause it to be overdone in certain sections. On the other hand, if some of the larger growers drop Richmond for a red this is a good kind to hang on to, for there is no red so good for an all-around Rose as this one. From present indications there will be a good demand next Winter for the Rose Mrs. Aaron Ward.

Discard Varieties Which Do Poorly

While it is very nice and interesting to grow a variety of Roses, it is more profitable to confine oneself to a few kinds that one can do well, especially if growing for the wholesale market. It does not pay to keep Roses which are not doing well if room is needed for young stock—the sooner the poor plants are thrown out the better. As much money can be taken out of a certain space if the plants are doing well as from twice the ground if they are doing badly; and remember that it costs just as much to run a poor house as a good one.

Treatment of Old Plants

The old growing plants will take lots of food and water from this out. A good top dressing of cow manure will be of great benefit to them now. It is impossible to cut the best flowers with large, heavy foliage and plump heads through the hot Spring months if the young feeding roots are washed bare and the beds are drying out daily. Feed and water well. Syringe early and oftener than you did in the dark Winter months. Keep the dry walks well damped down and give all the air possible, and your Roses will be better for the next three months than they have been before.

Getting a Crop for Memorial Day.

We have had good results in times past with plants pinched back to bring in a large crop for Memorial Day. It means that through April and the first half of May you will not cut any, but the last two weeks in May will offset that. Allow about seven weeks at this time of the year from the final pinching. If you have never tried this way you will be surprised at the results you can get; it would pay anyone who has not tried it to take one bench or even one part of a bench for a trial. Do not let any shoots develop, but pinch them all off as you would on a Carnation, until about April 10 or 15. Feed liberally, and it is wonderful how the plants will develop. Our experience with Killarneys the past Winter was that our poorest plants at the start, after receiving a thorough pinching back before they were allowed to produce a crop, turned out to be the best, and gave us our longest stems all Winter. It should not be forgotten that the care which the plants have needed all Winter is needed now through the changeable weather of Spring. Disbudding, tying, and keeping clean during this period of rapid growth will call for frequent and special attention.

Planning for Next Winter

Make your plans for next Winter as quickly as possible if they are not already made, and if you need stock order early, while the selection is good. There can be nothing to gain by delaying this. Manetti stock has been scarce this Winter and from all appearances it will not be overplentiful next year, therefore, if you do your own grafting it is to be presumed that your order for next year is already given. Up to about five years ago we used French-grown Manetti for grafting with fair success. At that time our attention was called to the fact that certain large growers had said that they would not have French-grown stock as a gift, so we decided to try the English grown. We have never regretted the change. The English, Irish and Scotch grown cost more, but are worth the difference as they are cleaner, more evenly graded and do not sucker nearly as much, as they are generally disbudded. However, I would not condemn the French grown; once you get it well started it will give good results.

Selecting Flowers for Spring Exhibitions

As this is the season of Spring shows a few remarks on flowers for exhibition might be in order. Look around your place and mark the best looking flowers which will be open at about the required time, by tying on them, near the top, a piece of string or raffia. These may be given a little extra stimulant if extra good flowers are wanted. In the case of single Roses the flowers may be cut and kept in a cool, dark place for from one to two weeks. If cut in the bud they will develop in water, but will be inferior in shape, substance and color to flowers which are allowed to get about half open on the plants and are then kept in water about 48 hours before being staged. The more double varieties should be allowed to remain on the plants a little longer than the others to make sure of their being expanded properly. In any case they should be placed in water for 24 hours before being staged or they are liable to wilt, as is also the case if they are not properly developed.

The best appearing exhibits, from a general point of view, are those which are the most even and well developed, without being old. A few monstrous flowers mixed in with smaller ones and some buds present a ragged appearance; and wilted flowers give a table a distressed aspect. Half-open flowers do not show up well when the judges are going around and may be passed by, although on the second or third day of the exhibition they may be the best flowers in the show. Aim to stage your flowers so that the first glance is pleasing; an exhibit may be inferior in some respects, but if the general effect is good it will be much admired by the public, prove a help to the slow and a credit to yourself, even if it does not win a first prize.

Nut Trees for Florists and Nurserymen

The use of nut trees for ornamental purposes is deserving of much more attention than it has been receiving. There is no section of the country but has some edible nut tree adapted to its particular climatic and soil conditions. Aside from the utilitarian consideration these trees are beautiful, hardy, and adapt themselves readily to planting on home and public grounds, streets and parks. When given plenty of room they make spreading tops of symmetrical form, grow rapidly under cultivation and generous fertilizing and, in the main, are long lived. In foliage, they are graceful and clean, and are not dense enough to interfere seriously with plants or grass grown in their shade.

To all their desirable qualities as an ornamental tree, the crops produced add not only a charm but lend a hand at food production as well.

The purpose of this sketch is to encourage the more extensive planting of nut trees, so that the masses, as far as practical, may share in the pleasures and profits they afford. Florists and nurserymen have a wide and inviting field for operations in this line. What they do in producing and planting nut trees becomes a permanent improvement, which increases in value and beauty as the years go by.

Probably no kind of nut tree is available to as great an extent as the Walnut. It is native in many sections of the country and the recent success in budding and grafting nut stock enables the growing of the English and other varieties on the native stock, thus adding to the prospect for growing these finer nuts over a much wider area than is practical on their own roots. In the New England and central States, in the Mississippi Valley and on the Pacific Coast the Walnut should be liberally planted.

The Hickory, which includes the Pecan of the South, is found over a large area of country. While the Pecan is a commercial crop in the South, it grows well much farther north than was formerly supposed to be practicable. Many choice varieties have been propagated and the same line is now being followed in selecting and propagating the finest varieties of Hickory which can be found.

The Chestnut is more circumscribed in its native habitat and may be more subject to insect injury and diseases than the hardy Walnuts and Hickories, but all along the eastern mountain ranges it flourishes.

All of these species make majestic trees, and the native forest trees are disappearing so rapidly on account of their great economic value in industrial operations that it seems desirable to plant them largely for growing timber, even if there were not other reasons for their being planted.

Nurserymen and florists can, by enlarging their production and pushing the sale of nut tree stock, accomplish much for the general good as well as build trade for themselves. Strong agencies are now at work which promise to popularize nuts as a staple food, and the rapid increase of the importation of nuts in recent years shows a largely increased consumption every year.

Poulan, Ga. DR. F. J. WILSON.

See Announcement—on Page 467—of our

Spring Trade Edition

To be Issued next Saturday, March 19, 1910

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

Indianapolis

A. F. Longren of Hunt's, Chicago, spent Sunday in this city.

The State Florists' Association of Indiana had a committee meeting with the State Board of Agriculture in order to have the flower premium list at the coming State Fair revised. The list was considerably improved and quite a few concessions were granted by the Board.

At the monthly meeting of the State Florists' Association several good vases of flowers were exhibited. Those shown by B. F. Hensley of Knightstown were especially worthy.

Richard Kootz is no longer with Bertermann Bros., having accepted a position elsewhere.

Tomlinson Hall Market reports a busy week, particularly in the wholesale sales.

Fred. Hukreide has been receiving a lion's share of funeral work, and reports business exceptionally good. I. B.

Seattle, Wash.

The snowstorm that raged through the West from Feb. 20 to 24, and piled up such a lot of snow in the Cascade Mountains, reached Seattle in the form of a nice even snowfall which covered the ground about 3 inches. The rain that immediately followed took the snow away faster than it fell and we have again the ground bare and green. The weather has been mild ever since Jan. 8, and the Roses and hardy Phlox have kept growing right along, so they have now shoots on one to two inches long.

The florists report business unusually dull, which of course could be expected after the close of the Fair.

Rosaria Bros., whose main store is located on Third ave. and Madison st. have opened up several small stores and stands during the Winter, until now they have eight small stores and flower stands in this city.

Bonnell, the nurseryman, is reporting business unusually dull, and very little landscape work done during the Winter.

The Seattle Carnation Co. has sold its place in Kent, Wash., and has leased a nicely located place in Auburn, Wash., where it has three greenhouses, 200 by 24 ft.

Sandahl & Son have sold their nursery at Renton, Wash., and are now devoting all their time to the retail business at 120 Pike st. G.

CARNATION CONQUEST

CONQUEST

Light Pink Overlaid with Deep Rose

The most beautiful and attractive as well as one of the most valuable Carnations on the market today. The blooms sell for 2 to 3 cents more than any other variety in the Chicago market. Why? Because everybody is deeply impressed with its beautiful large flowers on long, strong stems the moment they see it, and will not leave your place without taking some of them along. Not only a Novelty, but a Carnation that can be used in most any way. The plants have an ideal habit, early, free and continuous; therefore you cannot make a mistake by growing Conquest, the best of them all.

Rooted Cuttings; strong, well-rooted, $12.00 per 100, $100.00 per 1000

Chicago Carnation Co., A. T. PYFER, Mgr. JOLIET, ILL.

Please mention the Exchange when writing.

CARNATIONS READY NOW. Victory, $1.50; Lawson, Enchantress, $2.00; Bassett, $3.50, and Fenn, $1.00 per 100.

Carnations Ready the latter part of April. W. Perfection, Rose Pink Enchantress, at $1.50 per 100; Lawson and Winsor, at $1.25 per 100.

Geraniums Ready early in April. Nutt at $10.00 per 1000; Poitevine and Ricard at $12.50 per 1000.

Plumosus Ready May 1st, at $25.00 per 1000.

Sprengeri Ready now, special size ready for four-inch pots, at $5.00 per 100; samples for ten cents.

ALBERT M. HERR
LANCASTER, PA.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

F. E.—Best Advertising Medium

CARNATION GREEN

We have a very powerful coloring which will dye many white flowers a beautiful emerald green in a few hours by absorption, or instantly by immersion. This dye is combined with a very powerful and harmless chemical agent which helps to preserve and color the flowers. We have the coloring in Red, Blue, Yellow and Green. Directions with each package, which will make 3 to 4 pints of coloring. Don't be fooled with cheaper dyes, but get the real article.

PRICES: 1 package 75c.; 6 packages $4.00; 12 packages $7.50
Sent postpaid on receipt of price. Address

THE PHILADELPHIA CHEMICAL CO., Philadelphia, Pa.
C. S. FORD, Mgr. Box 4515 West Park
A. HERRMANN, Gen. Agent, 404-412 East 34th St., NEW YORK CITY
N. B.—Keep this for reference as this "ad" will not appear again.

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Plant Support

Patented Oct. 12th, 1909

The best and most simple method for tying Carnations, Roses, Sweet Peas, and all kinds of plants in greenhouse or garden. It can be made in any length and cut to suit. For further particulars apply to

WM. BEASLEY
157 E. Duval St., Germantown, Philadelphia, Pa.

Please mention the Exchange when writing.

MRS. C. W. WARD

Mrs. C. W. Ward is a perfectly formed flower with full center; color deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems, 24 to 36 inches in length. A vigorous, healthy grower, and has never shown disease of any kind.

Rooted Cuttings, $2.00 per 12, $12.00 per 100, $100.00 per 1000
25 at the 100 rate; 250 at the 1000 rate

Plants from 2-inch pots, $15.00 per 100

ALMA WARD—All sold

COTTAGE GARDENS CO. Inc.
QUEENS (L. I.), N. Y.

Please mention the Exchange when writing.

EMINENT NOVELTY, 1910

New, Hardy, Yellow Border Carnation

"COMTESSE KNUTH"

Splendid cut-flower from July to November

Awarded "Silver Medal" at the Summer Exhibition, 1909, Aarhuus, Denmark

Strong layers, $20.00 per 100; vigorous cuttings, $15.00 per 100. Larger quantities price on application.

LILY OF THE VALLEY PIPS. Price on application

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

THE AMERICAN CARNATION
Price, $3.50
A. T. De La Mare Ptg. and Pub. Co. Ltd., N. Y.

The book of WATER GARDENING
By Peter Bisset. Price, postpaid, $2.50
A. T. DE LAMARE PTG. & PUB. CO. Ltd
2 Duane St. New York.

A Rose for Every Greenhouse

GRAFTED ROSES

White Killarney, My Maryland, Pink Killarney, Richmond

Rose Pots.....$15.00 per 100.
3½-inch Pots .....$18.00 per 100.

Brides, Bridesmaids, Golden Gates, La France, Kaiserin

Rose Pots .....$10.00 per 100.
3½-inch Pots .....$15.00 per 100.

OWN ROOT ROSES

White Killarney, My Maryland, Richmond, Pink Killarney, American Beauty

3-inch Pots .....$9.00 per 100.
4-inch Pots .....$12.00 per 100.

Brides, Bridesmaids, Perles, Sunrise, Golden Gates, Chatenay, Kaiserin

3-inch Pots .....$7.00 per 100.
4-inch Pots .....$10.00 per 100.

We will have large quantities of White Killarney and American Beauty Rose plants of the best quality for Spring Delivery.

Standard Varieties of Carnation cuttings on hand.

Verbena and Coleus cuttings and plants ready for shipment.

Send for circulars.

J. L. DILLON, Bloomsburg, Pa.

Please mention the Exchange when writing.

WHITE KILLARNEY–MARYLAND

Select Grafted Plants from 2½-in pots, $12.00 per 100.

Ready for delivery March 15, 1910

O. P. BASSETT

Proven the best red in the market. Rooted Cuttings, $6.00 per 100, $50.00 per 1000. Immediate delivery.

BASSETT & WASHBURN

Greenhouses, HINSDALE, ILL. Office and Store, 76 Wabash Ave., CHICAGO, ILL.

Please mention the Exchange when writing.

"FLOWER OF FAIRFIELD"

THE "EVERBLOOMING CRIMSON RAMBLER"

The best Climbing Rose in the market, flowering during the whole Summer in large clusters of finest crimson colnr.

Prices for first rate plants with 3 to 6 shoots, open ground grown, $11.00 per 100, $100 00 per 1000.

Extra strong plants, with 5 and more branches at $15.00 per 100.

Package free, cash with order only.

SCHULTHEIS BROS., The "Old" Rose Gardens, at Steinfurth, near Bad-Nanheim, GERMANY

Please mention the Exchange when writing.

Grafted Roses

	100	1000
Bridesmaid	$12.00	$120.00
Killarney	12.00	120.00
W. Killarney	12.00	120.00
My Maryland	12.00	120.00
Bride	12.00	120.00

Rooted Carnation Cuttings

	100	1000
White Perfection	$2.50	$20.00
Enchantress	2.50	20.00
Lady Bountiful	2.00	15.00
Winsor	2.50	20.00
Beacon	3.00	25.00
Victory	2.50	20.00
Mrs. Patten	2.50	20.00
May Naylor	2.00	15.00
Harry Fenn	2.00	15.00

EDWARD J. TAYLOR, Green's Farms, Conn.

Please mention the Exchange when writing.

Utica, N. Y.

John O. Graham of Little Falls, N. Y., is the leading florist there and one would have to look for a long time to find a more genial and painstaking man in the business. He has built up a fine trade in a few years. His place at the time of my visit was looking fine—everything in good shape. He is not able to grow all he needs and calls on Utica growers for a large quantity of flowers. He is a member of the Utica Florists' Club, and we are always pleased to see him.

I visited the new firm of Kipp & Edwards at Rome, N. Y., formerly E. J. Byam's place, and found everything looking fine. They report that trade is good; they have no complaints to make since taking the place, in fact are perfectly satisfied so far. A fine lot of Lilies are noticeable, just O. K. for Easter, and a big cut of Carnations and Roses are in sight for some time yet. One house of Queen Carnations looks like old times; I could not see but that it was just as good here as it ever was. There is also a house of Lawson, something fine to see, in fact I think that Lawson on this place is as good as ever, which all cannot say. His Enchantress is also good. Great credit is due to the firm's manager, Mr. Percy Rogers, who seems to take a great pride in getting everything just right. They show a fine lot of Ferns of all kinds and some excellent plants of Hydrangeas that will be just right for Easter, and a fine batch for Decoration Day. I was shown some very fine Lavender Sweet Peas which were hard to beat. They grow one house of Violets with fair success. They are now trying to grow some Lettuce, Boston Head, which looks promising. It seems to be a very difficult proposition in this part of the State, but it looks as if they were on the right track. We also saw some very fine Lilacs in bloom, well done. They have a big lot of bulbs just brought in and which will be right for Easter. I found the firm very pleasant gentlemen and enjoyed my call very much.

The Utica Florists' Club held its regular monthly meeting on March 3, with a very good and enthusiastic crowd of members in attendance. The matter of revising our by-laws was brought up and a committee on the matter was appointed, consisting of C. F. Seitzer, Mr. Brant and J. C. Spencer, to report at the next regular meeting. The question of a "Social" and dinner was voted on and it was decided to hold the same about April 11, ladies to be invited. We will have some fine speakers and a generally social time, and it is the wish of President Baker that every member should attend, so that we may get better acquainted with each other. We expect some fine music. The speakers will be announced later. The members of the committee are bustlers and you can expect something fine. The committee are Robt. Boyce, Harry Brant, Harry Mathews, W. A. Rowlands and J. C. Spencer. Three new members were proposed for membership to be voted on at the next regular meeting. We are still growing.

McGowan is kept very busy just now, picking Sweet Peas that cannot be beaten, something grand. Everything at his place is just right for Easter.

Robt. Boyce of James st., Utica, has sold his place to Wm. Dobler of Little Falls, N. Y., who took possession March 1. Mr. Dobler comes well spoken of, and we are very glad to have the gentleman with us and wish him all kinds of success. He takes a place that has been operated very successfully by Mr. Boyce for several years, and finds it in first-class condition. That he will have a fine Easter trade is the wish of your correspondent.

Brant Bros. tell me they are having a big cut of Roses of all kinds at present and will have for Easter a fine lot of them, and good quality too.

I visited Humphrey's greenhouses at Rome a few days ago, and was taken in hand by John Humphrey, who showed me the place. John is always very cordial and very pleased to show and tell one about the business. They are rushed with the care of Spring plants, of which they grow thousands. The Lilies here are very good and lots of them. They are cutting well on Roses. The Carnations are not quite as heavily in cut as they have been, but there are plenty yet in sight, and for Easter. Everything at this place is spick and span, as always.

T. A. Taylor of Canastota, and Mr. Boden of Oneida were in town a few days ago. QUIZ.

Bay Trees, Box Trees, Evergreens, Palms, Crotons and Stove Plants

Ferns, Aspidistras, Araucarias, PHOENIX CANARIENSIS

Large Oleanders and many other plants

JULIUS ROEHRS CO.

RUTHERFORD, N. J.

Please mention the Exchange when writing.

Cincinnati

Business during the past week has been very good, stock received has been of excellent quality, and prices have remained firm. The outlook for Easter in some stocks is encouraging. Lilies will be scarce; American Beauty Roses will not be an over supply; Killarney and Richmond will be firm. Bulbous stock will not be a glut in this market. Good Ferns are scarce and are selling at $2 per 1000; Leucothoe sprays, $4. Callas will be in very fine supply for Easter at $1.50 per dozen.

In our last report we spoke of the Ohio River again being on the rampage; today, March 7, the river is on a stand of 50½ ft. without any particular damage from a flood; as to the interference with traffic the only trouble so far has been with the traction lines. The gardeners in the Millcreek Valley have suffered quite a good deal, but not so much as at other times, having had time to prepare for trouble. E. G. GILLETT.

Rochester, N. Y.

Little is to be said with regard to trade conditions, the usual Lenten dullness still prevailing and plenty of stock to meet all demands; particularly is this so in regard to Carnations, Valley and Roses; judging from reports from other sections Rochester is no exception to the rule, so we must take it philosophically and keep on waiting for something to turn up.

Asparagus and Smilax are getting scarce and will be an unknown quantity by Easter; there will be a good market for this stock.

The few ideal Spring days we had last week will help materially in bringing on Easter stock; some predict a shortage at that time, but when the time comes there will be no doubt be all that the market can stand.

George T. Boucher held the opening of his handsome new store on Saturday; about 5000 people took advantage of the invitation to make an inspection of the flowers and plants. Mr. Boucher was more than satisfied with the results; some extra fine Azaleas from the Vick & Hill Co. attracted much attention.

The sympathy of the trade is extended to George B. Hart in the loss of his father who died in Buffalo, at an advanced age, Friday last. Also to William Pirri, gardener to Geo. Eastman, who lost his baby child a few days ago.

At a meeting of the Rochester Florists' Association, held Wednesday, March 2, it was decided to hold the banquet on Monday, March 14. The Executive Board of the S. A. F. & O. H. will be in the city at the time and will be entertained as the guests of the Association. For the first time the ladies are invited to attend and a very enjoyable evening is anticipated.

The officers of the Association will act as a reception committee for the visiting Board, and their stay in the city will be made a pleasant one.

The use of the Association room has been offered and accepted for the meetings of the S. A. F. Directors while in Rochester. H. B. STRINGER.

F.E.—Best Advertising Medium

Calico as a Substitute for Glass

During the past few years, travelling greenhouses have been erected, glass lights have been made that can be formed into greenhouses when fixed to portable framework, and for many years a grease-proof paper erection has been sold that has done excellent service under certain conditions. At Terrington, in Norfolk, England, horticulturists use calico very largely as roofing for greenhouses, but up to the present the value of calico does not seem to be recognized generally.

Of course, calico can never be superior to glass for many purposes, but the fact that it is used in Terrington to cover acres of plants, and at all times of the year, proves that it is of great value. In the early Spring, calico houses are used for the forcing of Tulips and Narcissi, and even where permanent glass structures are utilized for this purpose they are lined with calico, as the shade it affords appears to be just what is required to give a delicacy of color and texture to the flowers, length to the stem, and quality to the foliage, that is unequalled by any other method, and that has gained for Terrington flowers such a high character in the markets of the country.

For Bulbs, Sweet Peas and Chrysanthemums

Houses built of lath, wood, and calico of two thicknesses, fitted with portable boilers and heated with hot water pipes of one and a quarter inch gas-pipe, are the usual forcing houses of Dutch bulbs and, when a frost of many degrees is in existence outside, a temperature of sixty to seventy degrees is easily maintained inside, as, when frost sets in, the outside calico is frozen over and becomes one solid airtight sheet, which prevents all wind from entering, as it does under the laps of the best built glass-house. After forcing is completed, the same houses are used to "strike" Chrysanthemum cuttings and raise Sweet Pea plants.

Chrysanthemum stools thoroughly enjoy a canvas house, even without any boiler, and amply repay the owner with a plentitude of cuttings. As the Spring advances, calico is used as a night covering, and if it is left on the plants during the day, an amount of light passes through it far more than through ordinary coverings. During the Summer, calico is used for shading, although it must be confessed its use this year for this purpose has not been great. Pyrethrums and Asters growing in the open ground are covered, and much improved by the process.

But it is in the Autumn that calico is used most, and that for the protection of Chrysanthemums. The very early varieties will grow and flower without protection from frost, but get very dilapidated from the effects of wind, rain, and heavy dews. The plants are grown in beds, generally about forty yards long, with paths of about two feet wide at intervals. Posts are driven into the ground in the beds, and a "top rail" of 2 by 4, 14 feet long, nailed on top of the posts. Another set of posts have "spouts" nailed on them. Lights made of 2 by ¾ tile lath are fastened from spout to top rail. Some growers fasten their calico on to the lights, stretching it tightly, and securely fastening it down with plasterers' saw laths secured with ¾-inch shoe brads.

General Construction

For the purpose of stretching the calico tightly, the local blacksmith has constructed a machine by which nearly thirty lights of eight feet by five have been stretched per hours by three men. Others users prefer to make lights of uniform size, and erect their houses without calico, when they appear as glassless greenhouses. Then the calico is sewn, three widths together by machine, and the whole side of a house covered with one piece, and stretched tight. The whole is built with wire nails not driven quite "home," so that they can be withdrawn and re-erected several times. The houses first built over the Chrysanthemums are to protect from rain, wind and heavy dews, so a roof only is erected. The next batch will have sides and gable end, the successional batches being heated with a specially-constructed boiler which is generally sufficient to keep out frost and damp from these houses, each forty yards by five yards. Chrysanthemums of fine quality will be cut from these houses until the end of January.

Important Advantages

The advantages of calico over glass are several. First, the initial cost. A large bed of plants can be grown in the open air, and a house built over them at less cost than they can be lifted into a permanent structure, assuming that one exists, and many plants can be covered just to afford protection from the elements that is impossible in any other way.

Calico inserted in the sides of a shed allows plenty of light to enter, and excludes the wind and sunshine, and if backed by wire netting lasts for many years.

That there are limitations to its use, it is only right to add. Cucumber plants may be started, but will not mature fruit under the shade. Tomatoes get drawn and sickly, and Sweet Peas must not be covered long when in flower, although it is a general practice to erect a house over them, to preserve them for exhibition purposes. While Asters can be successfully raised, Stocks are no use at all under calico.

Calico can also be used to help forward early vegetables. Carrots, Lettuce and Radish can be covered until the seeds have germinated, then have air admitted during the day. A covering of calico will protect early Potatoes from late Spring frosts, and when covered during the whole of the Winter, Parsley may be obtained of good quality when the snow lies on the ground. The calico used is of a pure quality free from dressing.—*Market Growers' Gazette, England.*

Dreer's Special Offer of Palms for Easter Decorations

Selected Stock of Excellent Value

Kentia Forsteriana

ARECA LUTESCENS.
6 inch pots, 3 plants in a pot, 24 to 26 inches high, $1.00 each.
7 inch pots, 3 plants in a pot, 36 inches high, $2.60 each.

COCOS WEDDELIANA. A leading specialty.
6 inch pots, 24 inches high, $1.00 each.
7 inch pots, 30 inches high, 2.50 each.

COCOS PLUMOSUS AND FLEXUOSUS.
In small tubs, 6 to 7 feet high, $7.50 each.
In small tubs, 7 to 8 feet high, 10.00 each.

KENTIA BELMOREANA.
6 inch pots, 6 to 7 leaves, 26 to 28 inches high, $1.50 each.
7 inch pots, 6 to 7 leaves, 34 to 36 inches high, 2.50 each.
The plants at $2.50 each are special values.

KENTIA FORSTERIANA. (Single plants.)
6 inch pots, 6 leaves, 28 to 30 inches high, $1.00 each.
6 inch pots, 6 leaves, 34 to 36 inches high, 1.50 each.
7 inch pots, 6 to 7 leaves, 36 to 40 inches high, $2.50 each.
8 inch tubs, 6 to 7 leaves, 48 to 50 inches high, 6.00 each.
11 inch tubs, 6 to 7 leaves, 7 to 7½ feet high, $16.00 each.
14 inch tubs, 6 to 7 leaves, 7 to 7½ feet high, 25.00 each.
15 inch tubs, 6 to 7 leaves, 7½ to 8 feet high, 30.00 each.
The two largest sizes are very heavy plants with bold massive foliage.

KENTIA FORSTERIANA. (Made-up plants.)
7 inch tubs, 3 plants in a tub, 36 inches high, $2.50 each.
7 inch tubs, 3 plants in a tub, 38 inches high, 3.00 each.
8 inch tubs, 3 plants in a tub, 40 to 42 inches high, $4.00 each.
8 inch tubs, 3 plants in a tub, 42 to 46 inches high, 6.00 each.
9 inch tubs, 3 plants in a tub, 4½ to 6 feet high, $8.00 each.
10 inch tubs, 3 plants in a tub, 6 feet high, $10.00 each.
12 inch tubs, 3 plants in a tub, 6 feet high, 15.00 each.
14 inch tubs, 4 plants in a tub, 6½ feet high, 20.00 each.

KENTIA SANDERIANA. A splendid graceful Palm.
4 inch pots, 3 plants in a pot, 16 inches high, $0.75 each.
6 inch pots, 3 plants in a pot, 18 to 20 inches high, $1.00 each.

LATANIA BORBONICA.
6 inch pots, 6 to 7 leaves, 16 to 18 inches high, $0.60 each.

PHOENIX CANARIENSIS. Splendid decorative stock.
7 inch tubs, 36 to 38 inches high, $2.60 each.
8 inch tubs, 42 to 45 inches high, 3.50 each.
10 inch tubs, 48 to 50 inches high, 6.00 each.
11 inch tubs, 60 to 64 inches high, 6.00 each.

For a more complete list of sizes, as well as for a full line of other seasonable stock, see our current Wholesale List.
The above prices are intend for the trade only

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA

CYCLAMEN

Splendens Giganteum Hybrids.

The strain which I offer is unsurpassable, (August Seedlings); twice transplanted from flats, in five colors including fringed varieties, $3.00 per 100, $25.00 per 1000; from 2½-in. pots, $5.00 per 100, $46.00 per 1000.

GERANIUMS

Standard varieties, strong well grown plants, from 2¼-in. pots, $2.60 per 100, $22.00 per 1000.

CANNAS

Alphonse Bouvier, Duke of Marlborough, Chas. Henderson, Chicago, Papa Nardy, strong tubers, 2-3 eyes, $15.00 per 1000.

PAUL MADER, East Stroudsburg, Pa.

Please mention the Exchange when writing.

PALMS

Extra good values in Palms for Easter. Stock in perfect condition

KENTIA BELMOREANA 6 in. pots, 6 leaves, 20 to 24 in. high, $1.00
7 in. pots, 6 to 7 leaves, 24 to 26 in. high..... 1.50
7 in. pots, 6 to 7 leaves, 26 to 28 in. high..... 2.00
8 in. pots, 6 to 7 leaves, 32 to 34 in. high..... 2.50
8 in. pots, 6 to 7 leaves, 34 to 38 in. high..... 3.50

KENTIA FORSTERIANA 6 in. pots, 6 leaves, 34 to 36 in. high 1.50
7 in. pots, 6 to 7 leaves, 36 to 40 in. high..... 2.50
8 in. pots, 6 to 7 leaves, 40 to 44 in. high..... 3.50
8 in. pots, 6 to 7 leaves, 44 to 48 in. high..... 4.50
10 in. pots, 6 to 7 leaves, 5½ ft. high..... 8.00

Made up **Kentia Forsteriana**, strong bushy plants, 3 plants to a tub.
7 in. tubs, 40 to 44 in. high..... 4.00
8 in. tubs, 44 to 48 in. high..... 5.00
10 in. tubs, 44 to 48 in. high (heavy)..... 6.00
10 in. tubs, 48 to 62 in. high (heavy)..... 7.00
10 in. tubs, 50 to 54 in. high (heavy)..... 8.00

PHŒNIX ROEBELENII 6 in. pot plants, nicely characterized, $1.00 each, $10.00 per dozen.

THE STORRS & HARRISON CO., PAINESVILLE, OHIO

Please mention the Exchange when writing.

PALMS!

KENTIAS, in 2½ inch pots, $8.00 per 100 $75.00 per 1000.

JACKSON & PERKINS CO., Newark, (Near Rochester) New York

Please mention the Exchange when writing.

Spring Trade Edition

Will be issued
next Saturday, March 19

True Irish Shamrock

Nice thrifty stock, 2-in. Per 100 $3.00, per doz., by mail, 50c.

ROOTED CUTTINGS

	Per 100
Double Petunias, 26 vars., Dreer's strain	$1.00
LANTANAS, Dwarf, 5 vars.	1.00
LANTANAS, trailing	1.25
HELIOTROPE, dark, for soil, R. C.	1.00
GAZANIA Splendens	1.50
STROBILANTHES Dyerana	1.25
AGERATUM, Gurney, Pauline, and White	.60

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

Shamrocks

We have 25,000 True Irish Shamrocks for your Saint Patrick's Day trade.

The plants are in 1-in. toy pots, at $4.00 per 100, $25.00 per 1000. 1¾-in. pots (the popular size), same price as above. 4-in. pans, at $12.50 per 100.

Cash with order.

Get in line now for some extra money on March 17.

LEONARD COUSINS, Jr.
Concord Junction, Mass. Telephone Connection

Please mention the Exchange when writing.

Headquarters for Easter Plants

AZALEAS One of Our Specialties

PREPARE FOR EASTER

Have Azaleas to burn, the best in the land, the best in the land, the best in the land,
Azaleas in finest colors, to beat the band, to beat the band, to beat the band

If you would know the fairest sight your eyes can ever see,
Where the most perfect plants are grown, to Aschmann's come with me.
Why! Ne'er since flowers began to bloom was such a glorious show
Of all the best that florists need found in one place to grow.
The Lilies are the very best yet seen on Easter day,
Azaleas are whole sheets of flowers, perfect in every way,
The Araucarias matchless are, so are the Ferns all green,
With bulbs and plumed Spirea, the best you've ever seen.
And Aschmann gives a challenge, let every florist hear,
For flowers, or prices, either, no rival does he fear.
If you wish to gather dollars like violets in the Spring,
Then send your largest order; his plants the cash will bring.

CHANGING DON'T PAY!!

From whom will you buy your Easter plants? "I have no cause to change," several sensible men in the trade remarked the other day. "Our friend, Godfrey Aschmann of Phila., has been our reliable man of the past and shall, of course, be this year also."

Azalea Indica—Our Specialty

We look after the welfare of our customers. Be watchful, be careful! Consider what you buy and from whom you buy. You go to the man who is able to offer bargains in fine stock. We give you both—good stock and bargains, too. How is that? Very simple. The Belgian grower looks for cash—our American dollar. We have sufficient capital to do this. Therefore, we obtain the cream of Belgium's productions.

In large sizes we have the following varieties: **Bernard Andrea alba** (white), **Niobe** (white double), **Dr. Moore** (double pink), **Memory de Van Houtte** (large-flowering double pink), **Mme. Van der Cruyssen** (double pink; one of the best known varieties), **Helena Tellman** (rose; very attractive), **Empress of India** (double variegated), **Schreveriana** (double variegated), **Apollo** (red), all covered with buds. Price: $1.60, $2.00, $2.50 to $3.00 each.

In smaller sizes we have **Empress of India** (double variegated), **Simon Mardner** (double pink), **Vervaeneana** (one of the old standard double variegated), **Apollo** (red), **Mme. Van der Cruyssen** (pink; the standard of all the pinks), **Deutsche Perle** (double white), **Schreveriana** (double variegated). Price 60c., 75c., $1.00, $1.25 to $1.50.

Prof. Wolters, one of the so well known bright variegated, $1.00, $1.25 to $1.50.

Niobe, double white, 75c., $1.00, $1.25, $1.50, $1.75, $2.00, $2.50.

AZALEA Indica, one of our specialties for the last twenty-five years. Raised for us under contract by our Azalea specialist in Ghent, Belgium. Our stock of Azaleas that we ship is well known to our customers; it is the cream of Belgium exportation—full of buds.

What is the best pink variety? **Mme. Van der Cruyssen** is the name; originated by Mr. Van der Cruyssen of Ghent, Belgium. This variety is too well known by nearly every florist in America to be further talked about. All are as round as an apple, covered with buds.

Do you want to know why our Azaleas are good? Here is the pointer: We don't make a practice of selling them in the Fall, having the rubbish left for Easter, but plant them all as soon as unpacked into 6-7 in. pots, keep them cool and give them the best attention for Easter sales. Those not having many buds are kept over for another year.

KENTIA Forsteriana. Imported last Spring (1909) from Ghent, Belgium, in fine condition, 6-7 in. pots, 35-40-50 in. high, $1.25, $1.50, $2.00, $2.50 to $3.00; 4 in., 20c. **Belmoreana**, 6-in., $1.25-$1.50 each; 4-in., 25c.; 3 in., 10c.

☞ **NOTICE: LILY BULBS** of the larger size (9-10 in.) were very scarce to obtain last Fall owing to the wet weather in Japan; not even 20 per cent. could be supplied. But our grower in Japan, knowing well our position, has taken good care of us, and we were one of the few fortunate to receive 5000 of 9-10 in. bulbs from him—our full order of last Spring.

EASTER LILIES. Japan Multiflorum, of our own importation, raised from special 10-in. bulbs, 6-in. pots, right for Easter. The large demand for Lilies exceeds the supply every year; we, therefore, ask that you order early. Price, plants with five buds and upwards, 10c. per bud; plants with under five buds, 12c. per bud. We can satisfy all wants if ordered soon.

NO PROFIT IN LILIES.

Owing to the small profit in the growing of Easter Lilies, an order for a reasonable amount of other stock should accompany all orders for Lilies.

CINERARIA Hybrida. We have a house full, 125 ft. by 21 ft., of the choicest colors—Henry F. Michell Co.'s best strain, just right for Easter. 5, 5½ to 6 in. pots, medium height, 20c., 25c., 35c., 50c., 75c. to $1.00. Just right for Easter sales. Same are in bloom now for immediate sale, if you wish.

BEGONIA, New Improved Erfordii. Always in bloom, Summer and Winter; 4-in. pots, very strong, $2.00 per doz.; 5¼-in., in bloom and bud, 25c., $3.00 per doz.

PRIMULA Obconica. 5¼-in. pots in bloom, $2.00 to $2.50 per doz.

FERNS for dishes, 2½-in. pot, $5.00 per 100.

Hyacinths. Raised from first-class bulbs of our own importation. These Hyacinths cannot be compared with ordinary stuff raised from cheap bulbs floating the market. **King of the Blues** (dark blue), **Grand Maitre** (lavender blue), **Gertrude** (pink), and **La Grandesse** (white). 4-in. pots, $12.00 per 100.

TOURNESOL TULIPS. Red or yellow variegated. This is the best selling double Tulip in the market. Will stay in bloom in good condition ten days. Three bulbs in one 4-in. pot, $1.50 dozen pots or $12.00 per 100 pots. **Murillo Tulips**, best double pink, 3 bulbs in a 4-in. pot, $1.75 to $2.00 per doz. pots.

Double Von Sion NARCISSUS. The best yellow Narcissus in the market, sells at sight; three double-nosed bulbs planted in one 5, 5½ to 6-in. pots. Price, $2.00, $2.50, $3.00 per dozen pots.

IPOMOEA Noctiflora. Best pure white Moonvine in market, very fragrant and as big as a saucer. On this variety we have a world-wide reputation as growers and shippers for the last twenty years. Price, 2½-in. pots, $5.00 per 100. 10,000 are now ready.

COCOS Weddelliana, 3-in., 15c.

BEGONIA Flambeau. Sells at sight, 4-in. pots, 20c.; 6½-in. pots, 25c.

FICUS Elastica or Rubber Plant. Home-grown and Belgium stock, 5 to 6½-in, 25c.

LATANIA Borbonica. 4-in. pots, 20c.

HYDRANGEA Otaksa. Already forced, in bud, just right for Easter, 6 to 7-in. pots, 35c., 40c., 50c., 75c., $1.00 to $1.50 each.

SPIRAEA Gladstone, 6 to 7-in. pots, large stuff, 60c., 75c. to $1.00 each. We have a house full of this Easter novelty, in better condition than ever—full of buds, just right for Easter. Order in time. Remember: Good Spiraeas are scarce this Easter. Why? Owing to the bad weather in Holland.

FERNS, Todeaoides and Whitmani, 6-7 in. pots, 50c., 75c. to $1.00; 5 to 6½ in., 35c., 40c.

To save express charges please state if wanted in or out of pots. Cash with order, please. No references will be investigated in these busy times.

GODFREY ASCHMANN

Wholesale Grower and Importer of POT PLANTS

1012 W. ONTARIO ST., PHILADELPHIA, PA.

Please mention the Exchange when writing.

NEW CHRYSANTHEMUM

Mrs. Jane Cockburn

EARLY PINK

Ready for February and March delivery. Blooms first week in October.
Beautiful mauve pink. Good keeper and shipper.

$6.00 per 100, $50.00 per 1000. Five hundred at one thousand rate. FIRST COME, FIRST SERVED.

SAMUEL COCKBURN & SONS
233rd St. and Verio Ave., Woodlawn, - - NEW YORK CITY

Please mention the Exchange when writing.

The Week's Work

BY FRITZ BAHR

Advertising

Suggestions for the Retail Grower

You should not overlook doing, at least, some advertising. No matter how small your town may be, or whether there is only little or no competition, that shouldn't be taken into consideration in the least. With the florist, advertising shouldn't be used much to get trade away from the other fellow as to simply call people's attention to buying flowers, to remind the public that you have something to offer, something they ought to have. If you have the goods, finding a market is the next thing. Even the smallest of florists should not let a day like Easter pass without advertising in some sort of way. There are but few of us who don't go to more or less expense to have a good stock of suitable flowers for that day, and it takes a little pushing to get rid of it. Outside of printed matter in the way of letters and cards, a few personal letters extending an invitation to visit the greenhouses before Easter is bound to do a lot of good. Sometimes we don't see direct benefits from efforts made in this direction but they are bound to be beneficial. There is a great increase noticeable in the volume of business done in flowers and flowering plants for Easter. I may say more for that day than any other, and in order to get a full share of it and help to increase it still more does not mean alone to grow better stock but to find new ways to get the public interested.

Easter

Get the Show House into Shape

We are busy getting things in shape for March 27. The show house needs a thorough cleaning. Every inch of room is needed for the Easter display. Up to the present time there have been Chinese Primulas, Cyclamens and even a number of Cinerarias among other stock in the show house, which, while not fit to be sold, helped to fill up and make a large display. They all must go now; every inch of room is wanted, every plant in the show house should be a salable one, and the display must be ready at least two weeks or so before Easter Sunday. It is true that more business is done the last three days before the Sunday than on the preceding six, and yet there are customers who will pay a visit to leave an order several weeks before, in fact some of the largest orders are always among the first ones received. The retailer who has no greenhouse may have an excuse for not carrying a great amount of stock until shortly before Easter, but not so with the retail grower. Everything should be in holiday dress as early as possible. At no other time of the year have we an opportunity to make such attractive display as for Easter. The impression the customer gets on entering the show house should be one to be remembered and talked about for months to come. Nothing should be left undone to have a good show, and to keep it up until the last customer has been served.

Bulb Stock

How to Fill and Care for Made-Up Dishes

Just a few words about filling the dishes and pans and their care afterwards. Practically every member of the bulb family will stand the change nicely, even if deprived of almost every root, as long as they are kept soaking wet afterwards. Of course, the shorter and stiffer the stem which supports the flower the better, but whenever there is a chance to permit a few roots at the end of a Tulip or Daffodil bulb to be taken along so much the better. In

Chrysanthemums

All the Standard Varieties
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filling any dish or pan the beginner should not make the mistake of filling the dish full up to the rim with soil before doing the planting. Just cover the bottom of the dish and put in the balance when through with planting. An important matter is to get the outside row of the plants as near to the edge of the dish as possible, as well as to distribute the plants evenly. Before pressing the soil down firmly between the plants one has a good chance to shift each plant to its proper place, and by raising some or gently pressing down others they can all be brought to an even height, if anything just a little higher in the center. Always plant deep enough; this, more than anything, helps to support a weak stem; and, if at all possible, avoid the staking up of the plants. After planting, about two days in a dark cool place is of the greatest benefit to the plants; if kept well watered during this time they will be fit to go to any temperature without wilting. Of course, the cooler they are kept the longer they will last.

Genistas

Still Great Favorites for Easter

Because they are less to be recommended for house culture than any of the other flowering plants a florist usually handles doesn't seem to affect the sale of the Genistas in the least. A plant, loaded down with hundreds of its yellow blossoms, always finds an admirer as well as a buyer. The smaller sizes sell as well as ever for Easter, and the larger ones form the finest material for the show house, or for decorating purposes. The plants intended for Easter should begin to show color now. Keep them in a light, sunny place; they love plenty of air, and as they, no doubt, have been without a shift for several months, a little feeding is in order. Liquid cow manure is the safest. Give the plants all the room they need to develop perfect flowers from the pot on up; this means so much, and there is the greatest difference between plants which had a chance to grow without being crowded and those which did not.

Rambler and H. P. Roses

The Easter Stock Should Be Kept Rather Cool Now

There is no doubt but what the introductions of all the different Ramblers have affected the sale of the Hybrid Perpetual Roses for Easter quite a bit. While the trusses of the best Rambler ever grown will never take the place of a perfect flower of the H. P. type, yet the average customer will prefer a well grown Rambler over almost anything you can show in the Rose line, and especially have we had an unusual call for the Baby Ramblers—it would seem that the number of flowers, even if they are so very small, has had something to do with it. We are putting the plants which are beginning to open nicely into a 50° house; they want all the sun they can get and a clear and rather dry atmosphere, anything else might produce mildew, and that is to be avoided if at all possible. If the foliage is ruined, the best flowers don't count for anything on a Rose plant, and mildew will do it. Don't worry because the buds of the H. P.'s are not showing color as yet—it would almost be too early, for when they once show color three to four days of sunshine finds the flowers fully open. Let them come along slowly. All depends on the weather. If the plants have been grown in a moderate temperature and you have good sized buds now, just beginning to show traces of color, you are on time.

Azaleas

Keep a Constant Watch on the Plants

There is hardly a day now when we haven't to bring some of the Azaleas from a warm house to a cooler one, or when some which seemed forward enough a week ago have to be brought into warmer quarters. Every effort is made to get every one of these plants in for Easter—that is the day of all days to sell them. There may be a call for one after that date, yet we all feel better if the plants are disposed of by Easter Sunday. If an Empress of India, Niobe, Van der Cruyssen or Vervæneana, or any of the other sorts we try to get in for Easter, shows color two weeks before that day you will have them about right. The slower they open the finer will be the flowers, the more beautiful the coloring of them, and the better will the plants support the flowers, in regard to keeping qualitites. Don't forget to tell the customer who buys one that the plants should have a good watering every day while they are in bloom, and to make doubly sure that they may not suffer the day following your delivery of them, give every plant before it goes out a good watering, whether the plants need it or not.

The Spiraeas

Treatment of the Plants Intended for Easter

I am afraid there won't be many of us who will be able to get that grand pink variety, Queen Alexandra, in by Easter. I have seen a few batches of other growers in the neighboorhood if not quite, yet very nearly as much behind as our own. There is one thing about the Spiræas, when at all rooted and not neglected in watering, one can apply almost any amount of heat without harming the plants; but when there is nothing else that requires a high temperature it doesn't pay to do it for a few pots of Spiræas, and I don't think the beautiful pink coloring of this variety will be as distinct when hard forced. Whenever well done, however, it is certainly a beautiful thing, and will no doubt be more largely grown as it becomes better known. Don't overlook letting the plants have all the room they need. This holds good with any of the different sorts. A crowded Spiræa is an unsightly affair, but when grown so as not to let the plants touch one another each plant will have as perfect a shape as a well grown Cyclamen. If there is a plant on the place which gets liquid cow manure, remember that the Spiræas are great feeders and can stand a good dose every week. A few days in a cool house, when the flowers are about half open, will give a wonderful finish to them and add twenty-five per cent to the value of the plants.

Spring Trade Edition

Will be issued

next Saturday, March 19

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GERANIUMS, Mme. Salleroi, 3-in., full of cuttings, $3.00 per 100; 2-in., strong, $2.00 per 100, $15.00 per 1000.

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American Arbor Vitae, 2-3 feet, $10.00 per 100; 3-4 feet, $15.00 per 100; fine bushy trees many times transplanted and clipped.
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WHOLESALE FLORISTS ☞ Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial

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NEW YORK, March 9.—Conditions have improved since our last report, although there is still plenty of stock to be had in unlimited quantities. Buyers, however, have been more active, so that while the prices remain about the same, better clearances are possible.

American Beauty Roses are still a scarce article, top grade stock realizing 60c.; a few selected flowers have been sold for 75c. Richmond Roses are an important factor, and, generally, clean up at good figures, first-class stock being held at 20c. each. Both the Killarney Roses are very plentiful, especially pink, and quantities are held over from day to day. Short Roses move better, in comparison, than higher grades.

Carnations continue to drag; the best price obtainable on standard varieties is $2. A few sales have been made at $3 for selected stock. Orchids remain about the same, with but little change in view. Good Cattleyas realize 50c., but the average is nearer the 40c. mark. Gardenias move only moderately. Violets move fairly well, but efforts to boost the prices a trifle are not favorably met. Top grade flowers realize 40c. per 100; stock of questionable age is sold for any price from 20c. up. Sweet Peas are more than plentiful, and hard to move.

Lilies have stiffened a trifle, first quality flowers realizing, 10c. to 12½c. Lily of the Valley is at the glut point, and hard to dispose of at $2 per 100. Tulips, Daffodils, Mignonette and other miscellaneous stock is quite plentiful, and considerable is sold, but the supply is away beyond the demand. Asparagus is still a trifle scarce and more could be used if obtainable.

PHILADELPHIA, March 7.—The cut flower market experienced somewhat of a spurt last Saturday, and a better clearance of all lines of stock was possible. Prices do not enter very greatly into sales that are made, as the wholesalers are only too pleased to get rid of stock under any conditions. American Beauty and top grade Richmond Roses, and Cattleyas are not over plentiful, and prices remain about as last week. Carnations, Violets, Tulips and Daffodils are over abundant, and with these articles it is not a question of price, as sales are made with the idea that so long as the stock accumulates, the more difficulty will be experienced in finally clearing out, so that every advantage to sell is fully utilized. Shipping orders remain about as usual, and but for this outlet the local conditions would be unbearable.

Southern Daffodils are arriving daily; and the average quality of all cut flowers would be conducive to good business but for the perturbed state of the public. The outlook, however, is brighter, and we hope that this week will bring normal conditions.

ST. LOUIS, March 7.—From reports, most of the retailers say that they have felt little effect of Lent so far. The downtown stores were busy all of last week, mostly with funeral work, and some large designs were seen at the different stores.

Stock at the commission houses accumulated greatly last week owing to the fine June weather we are having. The consignors to this market brought in an abundance of stock of all kinds, especially Violets and Carnations; Roses too, are coming in heavier than usual. Bulbous stock is coming in freely in all varieties and the commission men say they are not cleaning up these days. Violets and Carnations are a glut in the market and only very low prices move them.

All kinds of greens are selling well and there is plenty of them in the market. ST. PATRICK.

BOSTON, March 8.—Conditions in the market are slightly worse than they were a week ago; in fact this has been the worst week of the year. Saturday was the best day of the week and large quantities of material were disposed of at fairly good prices. American Beauty Roses are still scarce and prices hold high for fancy material. There are some excellent Killarneys coming in now, both pink and white, and in all lengths of stem; prices are holding good. Richmond. My Maryland, Safrano and Bon Silene are in good demand and bring good prices. In fact there is very little surplus in Roses.

Carnations are a glut on the market and naturally are slightly cheaper. Prices are from $1 to $3 per 100. White sorts are not quite as plentiful as the other colors. Violets are quite plentiful and prices are from $1.50 to $4 per 1000. Bulbous material is dragging. Good Narcissus sells at from $1 to $1.50 per 100. Tulips are abundant. Easter Lilies are getting more plentiful. Callas are more plentiful and the quality is very good. Lily of the Valley is getting draggy and prices are lowering.

Pansies are more abundant and prices have dropped. Forget-me-nots in best quality are not over plentiful and prices hold good. Asparagus Sprengeri and plumosus are a little more plentiful.

Cattleyas are not overplentiful; prices are from $4 to $6 per dozen. Gardenias are selling slowly now. Adiantum cuneatum and Croweanum are scarce and prices quite satisfactory. Snapdragons, English Pansies and Wallflowers are quite plentiful and prices trend downward. Sweet Peas are plentiful but of high quality and bring fairly good prices. R. C.

CHICAGO, March 8.—The latter part of last week found the market badly glutted, with an over-abundance of stock in all lines, due to the extremely warm weather, which, fortunately, discontinued Sunday. Had this warm wave been of much longer duration the crop for Easter would have been in name only; even now, with the cold days again, should they continue for any length of time the chances for a heavy crop will be small.

The quality of Roses is excellent in all lines, although the prices vary but little from quotations of last week. There is an abundance, however, of all kinds.

Carnations have depreciated somewhat in quality, and show the effect of the heat. There are, however, unlimited quantities, the only color that is really in active demand being white, which are being used to dye green for St. Patrick's Day. The market was so flooded with Carnations last Saturday that some of the growers disposed of them at 50c. per 100, and they were pretty good at this. From $1.50 to $2 per 100 now is quoted for good stock, $3 being obtainable for very fancy grades. The market is suffering from the heavy shipments of Jonquils that are arriving in great quantities from the South, a yearly occurence. This makes it hard to dispose of home-grown stock at fair prices, as the outdoor flowers are to be had for $1 to $1.25 per 100.

The supply of Lilies for Easter looks promising, orders are being booked at prices lower than is usual for this stock. Some quote them for Easter as low as $12.50 per 100. Callas are coming to the front better, and have advanced a little in price.

Some good Stocks are seen at different wholesalers, and are being used extensively in funeral work. Freesias are getting scarcer, also Paperwhite Narcissus. Sweet Peas are resting for a spell. Mignonette, Candytuft, Pansies, Wallflowers, Forget-me-nots and Snapdragons can be seen in nearly every window.

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Violets are a drug on the market and can be bought for most any price; many go to the garbage barrel. Orchids are not commanding as high prices as previously, but are being utilized more extensively, as nearly all the small florists have, at least, a few blooms displayed.

Green stock is in excellent shape, undoubtedly putting on its best appearance for the 17th of March. All sorts are moving fairly well. Plants are becoming more conspicuous, and are looking remarkably well in all lines.

INDIANAPOLIS, March 7.—The passing from the Winter to the Spring months, as the old saying has it, generally carries with it many deaths. This has been true in this locality and the retail shops have been very busy with many small orders for funeral work. Pleasant weather has also enabled the public to visit the flower quarters in person, to select the choicest cut blossoms and to choose from the conservatory supplies. The supply of flowers embraces a larger variety than for some time past. The general coloring and quality of stock is quite up to the standard and given every satisfaction. Window displays are of vastly more benefit at this time because passers-by stop long enough to view them and to choose from the many arrangements shown.

The Carnation crop, although a very unpromising one for Easter, is at this time exceedingly good, both in quality and in numbers. There is scarcely any good stock left over at $3 to $3.50 per 100; 75c. to $1 a dozen is the customary retail figure. An approaching exhibition, such as the Rose show, nearly always indicates to the dealer that it is the period for the highest perfection of that particular flower. This is true of the Rose market at present as the grades are uniformly good. Fancy Killarneys, Richmond, and My Maryland bring $8 to $10 per 100; Bride and Bridesmaid are selling briskly at $6 to $8 per 100 for the choicest stock. Seconds bring one-half these figures and shorts about one-third. Few bullheads are found among the American Beauty and the coloring is fine at $5 to $50 per 100.

Sweet Peas are offered in many quarters at 50c. to 75c. per 100. The variety of colors is unusual for so early a date. Callas, and Harrisii Lilies sell, whenever offered, at $10 to $15 per 100, but the supply is very limited. Mignonette, Forget-me-nots and Candytuft are choice articles for counter trade. Bulbous stock is selling well, when the amount grown is considered, at $3 to $4 per 100. These prices refer, of course, to Tulips, Jonquils, Paperwhite Narcissus, Roman Hyacinths and Lily of the Valley. The green goods market in this vicinity is nearly depleted and outside stock has to be relied upon. I. B.

Yonkers (N. Y.) Hort. Society

The first meeting of the month was held Wednesday evening, Mar. 2, with fifty members present, Pres. E. Bennet in the chair. Several new members were admitted and a number of applications received. The committee on the dinner reported progress and stated that the arrangements were very nearly completed and the tickets were selling well.

The competition in Roses for the prize offered by Pres. Bennet was keen and a number of fine blooms were shown. The judges appointed were Messrs. MacDonald, Stanton and Bunn. The first prize went to J. Lamb, second to H. Scott, third to R. Cummings.

Secretary Waite read an able and instructive paper on "Gardeners and the Gardening Profession," plainly showing it to be one of the oldest as well as one of the most noble in existence.

Secretary Waite offered a box of cigars as first prize for the most meritorious exhibit to be competed for at our next meeting; S. A. Woodrow offered two years' subscription for any of the trade papers as second prize and a one year subscription as third.

Vice-President Cochrane will read a paper on the "Culture of Mushrooms" at our next meeting.

LEE WHITMAN, Cor. Sec.

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FISCHER'S PURITY **FREESIAS** Grown by Mathews of Great Neck, L. I.
Tel. 5223 and 2921 Mad. Sq. Res., 345 J. Newtown. FINEST LILIES IN THE MARKET EVERY DAY IN THE YEAR

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, March 9th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	30.00 to 60.00
" extra	20.00 to 30.00
" No. 1	12.00 to 20.00
" No. 2	8.00 to 12.00
" No. 3	3.00 to 8.00
Killarney	2.00 to 8.00
White Killarney	2.00 to 8.00
My Maryland	2.00 to 8.00
Richmond	4.00 to 12.00
Mme. Abel Chatenay	2.00 to 8.00
Golden Gate	2.00 to 8.00
Bride, Maid, fancy—spec.	6.00 to 8.00
" extra	4.00 to 6.00
" No. 1	3.00 to 6.00
" No. 2	1.00 to 3.00
Adiantum	1.00 to 1.50
Croweanum	.... to 1.60
Antirrhinum (per bunch)	.25 to .50
Asparagus, cut strings	25.00 to 40.00
Plumosus, bunches	15.00 to 30.00
Sprengeri, bunches	15.00 to 30.00
Bouvardia	2.00 to 3.00
Callas	6.00 to 10.00
Daffodils	.75 to 2.00
Daisies	.75 to 1.00
Ferns, per 1000	.75 to 2.00
	.... to ....
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.50 to .75
Standard Varieties: White	1.00 to 1.50
Standard Varieties: Pinks	1.00 to 1.50
Standard Varieties: Red	1.00 to 1.50
Standard Varieties: Yel. & Var.	1.00 to 1.50
Fancy (The highest grades of Sta'd varieties): White	1.50 to 2.50
*Fancy: Pinks	1.50 to 2.50
*Fancy: Red	1.50 to 2.50
*Fancy: Yel. & Var.	1.50 to 2.50
Novelties	2.50 to 4.00
Gardenias, per doz.	.50 to 2.00
Lilac, per bunch	.35 to .60
Lilies, Harrisii and Longi.	5.00 to 10.00
Lily of the Valley	.75 to 2.50
Mignonette, per doz.	.40 to .75
Narcissus	1.00 to 2.00
Orchids, Cattleyas	25.00 to 40.00
Cypripediums	8.00 to 12.00
Dendrobium Formosum	25.00 to 40.00
Pansies, per doz. bunches	.25 to .50
Poinsettias per doz.	.... to ....
Roman Hyacinths	1.00 to 2.00
Smilax (per doz. strings)	1.00 to 1.50
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.35 to .75
Tulips	.75 to 2.50
Violets, single	.25 to .40
" double	.25 to .40
	.... to ....

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST. NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1995 Madison Square
JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

New York

Arthur Herrington, for 14 years superintendent and landscape gardener of the estate of the late H. McK. Twombly, Madison, N. J., announces that he has resigned his position and on and after April 1 next will engage in the practice of landscape gardening. His New York address will be c/o Thomas Young, Jr., 500 Fifth ave.; his residence will continue to be at Madison.

Chairman Sheridan of the dinner committee of the New York Florists' Club states that Patrick O'Mara will act as toastmaster at the dinner, which is an assurance that the oratorical feast will be a success. Besides speeches from several well-known speech makers, an elaborate instrumental and vocal program has been arranged, and no effort has been spared to insure that the dinner will be a huge success. It is now up to everybody who can to send in their applications for seat reservations to Mr. Sheridan at once, and he will see to it that every applicant gets the best seat in the hall.

The following have been appointed as the reception committee on the occasion of the annual dinner of the New York Florists' Club, March 17: P. O'Mara, chairman; F. H. Traendly, A. T. Boddington, Harry Turner, C. B. Weathered, W. A. Manda, F. L. Atkins, W. H. Siebrecht, Jr., A. S. Burns, John I. Raynor, J. Austin Shaw, E. Dailledouze, John Birnie, C. A. Small, Wm. J. Stewart, W. E. Marshall, H. O. May.

The next meeting of the New York Florists' Club will be Rose and Sweet Pea Night. President Miller announces that a well-known member of the Club, who is too modest to have his name mentioned, will be present and will give a talk on Sweet Peas, and also give an account of his recent trip to California.

Secretary John Young of the New York Florists' Club will be absent from the Club meeting next Monday night, for the first time during his secretaryship. He will be in Rochester attending the meeting of the executive board of the S. A. F. & O. H., of which he is a member.

Interest centers upon the convention, opening on Wednesday next, March 16, of the American Rose Society, and the exhibition in connection therewith. The sessions, and the exhibition, will be held in the American Museum of Natural History, 77th st. and Columbus ave. In conjunction with the exhibition will be held the Spring exhibition of the Horticultural Society of New York. Both exhibitions will be open, free, to the public. As the combination will result in the greatest show held in New York in recent years, obviously, the exhibition should be visited by every florist in this section, in fact in the East. A large number of florists from the West will be in the city next week for the express purpose of visiting the show.

The Yonkers Horticultural Society held its first annual banquet at the Park Hill Inn, Yonkers, on Thursday evening, March 10.

William Elliott & Sons will hold their first auction sale of the season, March 15th next, at 12 o'clock sharp, at their auction rooms, 42 Vesey st. The offerings will include 30 cases of freshly imported Holland nursery stock, consisting of hardy Roses, Azalea mollis, conifers, Rhododendrons, shrubs, vines, roots and bulbs. A list, giving offerings in detail, may be had, as usual, upon application.

The Fruit Auction Co., 200-204 Franklin st., will start its auction sales for the season on Tuesday, March 15, promptly at 10.30 a. m. The offerings include Roses, Rhododendrons, hardy Azaleas, pot-grown Lilacs, Berberis, Viburnums and evergreens. The evergreens consist of Picea pungens glauca (the blue Spruce), Picea excelsa aurea, Picea orientalis, Aucuba Japonica, Larix leptolepis, etc. Included also will be an assortment of English grown Roses in the newest and best varieties.

John P. Cleary has returned from an extensive European tour lasting two months.

J. K. Duer recently furnished many handsome bouquets to the order of Dr. H. Neumann, a prominent ear specialist of Vienna, which were sent to the many friends of the doctor who helped make his stay in this city most pleasant.

The American liner St. Louis recently arrived at her dock, having on board a quantity of Irish earth sods and hundreds of packets of real Shamrocks, which are en route to the Irish Fellow-

ship Club of Chicago. It is said that the sod is for President Taft to stand on, while speaking to the club members on March 17.

A very fine compliment was a day or two since paid to W. F. Sheridan by one of the prominent wholesalers of New York, who, speaking of the fact that the gentleman in question may change his place of business soon, said that no matter where he went Mr. Sheridan would always do business, as his ability as a commission man was so well known.

Last week the A. T. Bunyard Floral Co. displayed in its store window a handsome vase of flowers composed of Mrs. Aaron Ward Roses, Acacia pubescens, and yellow Callas. These made a fine combination and one seldom seen, on account of the short season during which Acacia sprays can be secured.

Geo. M. Stumpp of Fifth ave. and 58th st. recently displayed in his store window plants, in bloom, of the blue and white-flowered Clematis; also fancy jars of Arbutus in flower.

Spaulding & Hodgson of 718 Fifth ave. are making a specialty of steamer baskets.

Henshaw & Fenrich announce that their store is at the disposal of any visitors to New York during the sessions of the American Rose Society, and that Roses for exhibition shipped to them will be well taken care of until called for.

Wm. F. McCord of Main st., Tarrytown, says that business with him has been exceptionally good this Spring, and that several carloads of nursery stock will be shipped as soon as the weather moderates sufficiently to permit digging the specimen trees. Grass seed is quite a large item in this firm's stock as well as fertilizers, while the florist's store does quite a thriving business all the year round.

Wm. Munroe of Garrettsford, Pa., is shipping to 28th st. a fine grade of My Maryland Roses.

Alfred H. Langjahr says that orders for Easter Lilies are beginning to arrive, and that he is able to supply all comers, he having 15,000 well-flowered plants to select from.

George B. Remsen, foreman in the packing room of the John Lewis Childs establishment at Floral Park, L. I., hanged himself on Tuesday in an unfinished building at Bellrose. A year ago he was struck by an automobile and had acted queerly ever since.

Plans have been completed for a twelve story structure to be erected on the site of the building now occupied by the Growers Cut Flower Co. and W. F. Sheridan.

Paul Rigo has again entered the employ of Henshaw & Fenrich.

Adrian Van Leeuwen, Jr., of The Horticultural Co., Worcester, Mass., was a visitor in the city last week. Other visitors were S. S. Butterfield of Atoka, Okla., and Jos. H. Sperry, Purcellville, Va.

Philadelphia

Friends of Mrs. Robt. Craig will be glad to know that she has safely returned from Florida, and although not fully recovered from her recent sickness hopes are entertained that she will soon be as active as formerly.

Wm. P. Craig left Philadelphia last Monday night on a business trip to Pittsburgh, Washington, Boston and New York.

During the past week business at the retail florist stores has been anything but brisk, although Saturday and Monday were such good days that hope is uppermost in the minds of many that our city's business will not be completely upset. The car men's strike is still a serious problem and it has seriously affected the business of all the department stores, to the end that many employees have been temporarily laid off. General strike conditions prevail, and the end is apparently as far off as ever.

Many of our local Rose growers are interested in an attempt to capture at the forthcoming exhibition of the American Rose Society, the $50 silver cup for the best six Roses, and it is understood that quite some competition will be met from Philadelphia.

The S. S. Pennock-Meehan Co. is now offering a fine list of plants in bloom for Easter trade. The list comprises everything useful for the store. St. Patrick's Day orders will be met by the company's usual facilities and readiness.

Nick Clauser, who has been confined to his home the past month, will soon resume his duties in the establishment of W. E. McKissick Co.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Mar. 6, 1910	Pittsburg Mar. 8 1910	NAMES AND VARIETIES	Boston Mar. 8, 1910	Detroit Mar. 6, 1910	Cincinnati Mar. 7, 1910
— to 25.00	35.00 to 40.00	Roses—A. Beauty, fancy—special	40.00 to 50.00	20.00 to 25.00	— to 25.00
15.00 to 20.00	20.00 to 30.00	" extra	20.00 to 30.00	15.00 to 20.00	— to —
10.00 to 12.50	10.00 to 15.00	" No. 1	10.00 to 15.00	12.00 to 15.00	— to —
4.00 to 6.00	4.00 to 8.00	" No. 2	2.00 to 8.00	4.00 to 10.00	— to —
— to —	6.00 to 15.00	Killarney	8.00 to 12.00	— to —	4.00 to 10.00
— to —	6.00 to 15.00	White Killarney	8.00 to 12.00	— to —	4.00 to 10.00
— to —	6.00 to 8.00	My Maryland	8.00 to 12.00	4.00 to 8.00	4.00 to 10.00
4.00 to 6.00	6.00 to 15.00	Richmond	8.00 to 12.00	4.00 to 10.00	6.00 to 10.00
4.00 to 6.00	6.00 to 10.00	Perle	— to —	— to —	— to —
— to —	— to —	Golden Gate	— to —	— to —	— to —
— to —	— to —	K. A. Victoria	— to —	4.00 to 8.00	— to —
— to 6.00	— to 12.00	Bridesmaid, fancy—special	5.00 to 8.00	6.00 to 8.00	6.00 to 10.00
— to 4.00	6.00 to 10.00	" extra	2.00 to 4.00	4.00 to 6.00	— to —
— to 2.00	6.00 to 8.00	" No. 1	— to —	3.00 to 4.00	— to —
— to —	— to 4.00	" No. 2	— to —	— to —	— to —
— to 1.00	1.00 to 1.25	Adiantum	1.00 to 1.50	.75 to 1.00	— to —
— to —	— to —	Antirrhinum, (per bunch)	— to —	— to —	— to —
— to 30.00	25.00 to 50.00	Asparagus, Plumosus, bunches	— to 50.00	30.00 to 50.00	— to 25.00
— to 30.00	20.00 to 40.00	" Sprengeri, bunches	— to 50.00	30.00 to 50.00	— to —
— to —	— to —	Bouvardia	— to —	— to —	— to —
— to 12.50	— to 12.00	Callas	8.00 to 10.00	— to 15.00	— to 8.00
— to —	— to —	Chrysanthemums	— to —	— to —	— to —
— to —	— to 1.00	Carnations—Inferior grades, all colors	1.00 to 1.50	— to —	1.00 to 3.00
1.00 to 1.50	— to 1.50	Standard Varieties: White	1.50 to 3.00	1.00 to 2.00	— to —
1.00 to 1.50	— to 1.50	Standard Varieties: Pink	1.50 to 3.00	1.00 to 2.00	— to —
1.00 to 1.50	— to 1.50	Standard Varieties: Red	— to —	1.00 to 2.00	— to —
1.00 to 1.50	— to 1.50	Standard Varieties: Yellow and var.	— to —	— to —	— to —
— to 2.00	— to 2.00	*Fancy (*The highest grades of Std'd vars.): White	3.00 to 4.00	2.00 to 3.00	— to —
— to 2.00	— to 2.00	*Fancy: Pink	3.00 to 4.00	2.00 to 3.00	— to —
— to 2.00	— to 2.00	*Fancy: Red	3.00 to 4.00	2.00 to 3.00	— to —
— to 2.00	— to 2.00	*Fancy: Yellow and var.	— to —	— to —	— to —
2.00 to 3.00	1.50 to 3.00	Daffodils	1.00 to 1.50	— to 3.00	— to —
— to .50	1.00 to 3.00	Daisies	1.00 to 2.00	— to —	— to —
— to .25	— to .15	Ferns, hardy	— to —	— to .15	.20 to .25
— to 2.00	— to 2.00	Freesia	1.00 to 1.50	— to 3.00	— to —
— to .20	— to .12	Galax, green and bronze	— to —	— to .12	.75 to 1.00
— to —	— to —	Gardenias, per doz.	— to —	— to —	— to —
— to 8.00	— to 8.00	Lilac	— to —	— to —	— to —
— to 12.50	8.00 to 12.00	Lilies, Harrisii and Longi	8.00 to 12.00	15.00 to 20.00	— to —
— to 3.00	2.00 to 4.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00	— to —
— to —	2.00 to 4.00	Mignonette	2.00 to 5.00	6.00 to 8.00	— to —
— to 3.00	1.50 to 3.00	Narcissus	1.00 to 1.50	— to 3.00	— to —
— to —	50.00 to 60.00	Orchids—Cattleyas	— to 50.00	— to —	— to —
— to —	— to 15.00	Cypripediums	— to —	— to —	— to —
— to —	— to —	Dendrobium Formosum	— to 35.00	— to —	— to —
— to 3.00	.50 to 1.00	Pansies, per doz. bunches	— to 2.00	— to —	— to —
— to 3.00	1.00 to 3.00	Roman Hyacinths	1.00 to 2.00	— to —	— to 2.00
— to 1.50	1.25 to 1.50	Smilax, (per doz strings)	1.00 to 1.50	1.50 to 2.00	— to —
— to —	— to —	Stevia, per bunch	— to —	— to —	— to —
.40 to .50	.25 to 1.50	Sweet Peas, (per doz. bun.)	.25 to .75	.50 to .75	.35 to .50
2.00 to 4.00	2.00 to 4.00	Tulips	2.00 to 3.00	3.00 to 4.00	— to —
— to .50	.50 to .75	Violets, single	.25 to .50	.50 to .75	.35 to .50
— to .50	.25 to .75	" double	— to —	.50 to .75	— to —
— to —	— to —		— to —	— to —	— to —
— to —	— to —		— to —	— to —	— to —
— to —	— to —		— to —	— to —	— to —

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. CINCINNATI, O.

ALL CUT FLOWERS IN SEASON

I Sell Heller Bros. Roses

I MANUFACTURE WIRE WORK

Get your order in now for

HANGING BASKETS

The Best—The Strongest—The Cheapest

Green Sheet Moss, $1.00 per Bundle

Sphagnum Moss, $1.00 per Bale

Please mention the Exchange when writing.

Spring Trade Edition

Will be issued

next Saturday, March 19

Prices Advertised in these Columns are for THE TRADE ONLY

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

Milwaukee, Wis.

Please mention the Exchange when writing.

The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

937 Liberty Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee St., MILWAUKEE, WIS.

'Phone, Main 874. P. O. Box 103.

Please mention the Exchange when writing.

The Robt. Craig Co. anticipates a record-breaking Easter demand, and with this end in view an extension has been made to the packing shed at the greenhouses, which will facilitate the handling of plants to a much greater advantage.

Skidelsky & Irwin are busy booking orders for the stock handled by them. The recent attempts by irresponsible parties to injure the good name of the firm have only resulted to its greater advantage.

Berger Bros. will have a fine lot of cut and potted Lilies for Easter.

Walter P. Stokes of Moorestown, N. J., has his greenhouses replete with good things for Easter. About 1500 Hydrangea Otaksa are now ready for sale. Mr. Stokes has made a specialty of this plant for several years, and considers himself fortunate in having stock that will meet with the approval of all who see it. Lily of the Valley is another specialty of his, now well known in the Philadelphia market.

T. Malbraue, Johnstown, Pa.; Ernst Wienhoeber, and son, Chicago; J. Horn, Allentown, Pa.; Mr. Cook, Easton, Md.; Henry Pfister, Washington, Del.; Mrs. Boyer, Riverton, N. J.; and Miss Hoopes, who has charge of the well-known store of J. E. Kepner, Harrisburg, Pa., were some of the visitors in town this week.

The Leo Niessen Co. is this week handling some of the finest cut Mignonette that it is possible for any grower to produce.

Baltimore

The month of March started in here very rough, but the bad weather did not last long. The sun soon turned Winter into Spring. Our streets became overcrowded with shoppers and the trade disposed of many cut flowers. One of our growers was on the streets offering his cut flowers and bulbous stock until late at night, and the public on their way to the different amusements took advantage and he was disposing of many bunches. The stock was offered at extremely low price, Carnations 12c. per dozen, and Sweet Peas at three bunches for 25c. One of our large department stores had a stall on the street in front of the store loaded with cut flowers and plants.

The retail trade have been busy making up many funeral designs. An abundance of cut flowers has been sent to the Florists' Exchange, but by Saturday night I was told they had been all sold. Our Lexington Market looked like a flower garden on Saturday; the streets were glutted with Carnations offered at any old price. A great deal of very poor stock was there, and it was hard to get a respectable Carnation. Roses are coming in steadier; Callas are a little heavier in supply; Sweet Peas are plentiful; bulbous stock is very heavy; Azaleas are coming in slow. Greens seem to be a little scarce. Pansies have made their appearance. Potted plants move well.

The next meeting of the Gardeners and Florists' Club will open at 7 o'clock, instead of the usual hour. At this meeting election of officers will take place.

Quite a few retail stores will set showy windows for St. Patrick's Day. That day is celebrated in many ways.

James Glass is sporting a new up-to-date automobile back buggy.

Mrs. Henry Eberhardt has made her appearance in the market again.

The Spring weather has caused a rush on the seed houses, and night work is in order. The outlook is very bright and a heavy business will be done.

J. L. T.

Pittsburgh, Pa.

John Bader was confined to the house the past week with a bad cold but is able to be about again.

Wm. Falconer returned from his trip a short time ago; he has been as far south as Cuba, taking in all prominent places in Florida.

E. Wienhoeber of Chicago was a visitor the past week and spent a day at the greenhouses of the Pittsburgh Rose & Carnation Co. at Bakerstown.

Business the past week was fair, principally funeral work. Stock is very abundant and prices are low. Roses are looking fine, the weather the past week was good to them. We have had a whole week of Spring weather; the thermometer went as high as 70° last Sunday, but dropped to and below freezing a day afterward. Report of Club meeting will be found under Clubs and Societies.

E. C. REINEMAN.

The Boston Letter.—*See Index.*

We filled all our orders for Christmas. Every one of them complete. Our customers were well satisfied with the quality and price of our goods. We can duplicate the good work for Easter. We have the facilities for doing a large Holiday business, and will have an immense stock of

CUT FLOWERS FOR EASTER

You can depend on us for quality and service, and prices will be governed by prevailing conditions at time of sale.

Prices and quotations on request

THE LEO NIESSEN CO.,
Wholesale Florists
1209 Arch Street
PHILADELPHIA
Open from 7 A.M. to 8 P.M.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Mar. 7, 1910	Buffalo Mar. 7, 1910	NAMES AND VARIETIES	Phil'delphia Mar. 8, 1910	St. Louis Mar. 7, 1910
25.00 to 35.00	30.00 to 40.00	Roses—A. Beauty, fancy—special	40.00 to 50.00	30.00 to 40.00
..... to	..... to 25.00	" extra	30.00 to 40.00	15.00 to 20.00
15.00 to 20.00	..... to 12.00	" No. 1	16.00 to 25.00	8.00 to 12.50
8.00 to 10.00	6.00 to 8.00	" No. 2	8.00 to 15.00	3.00 to 6.00
..... to	4.00 to 12.00	Killarney	8.00 to 10.00	4.00 to 8.00
..... to	4.00 to 12.00	White Killarney	3.00 to 10.00	4.00 to 8.00
4.00 to 8.00	5.00 to 10.00	My Maryland	2.00 to 8.00	4.00 to 6.00
4.00 to 8.00	5.00 to 12.00	Richmond	2.00 to 8.00	5.00 to 8.00
4.00 to 6.00	6.00 to 8.00	Perle	3.00 to 6.00	..... to .....
4.00 to 8.00	..... to	Golden Gate	..... to	..... to .....
..... to	..... to	K. A. Victorie	..... to	..... to .....
..... to 8.00	10.00 to 12.00	Bride, Maid, fancy—special	6.00 to 8.00	6.00 to 8.00
..... to 7.00	8.00 to 10.00	" extra	6.00 to 6.00	4.00 to 5.00
6.00 to 6.00	6.00 to 8.00	" No. 1	3.00 to 5.00	..... to .....
4.00 to 5.00	4.00 to 6.00	" No. 2	2.00 to 3.00	..... to .....
..... to 1.00	1.00 to 1.50	Adiantum	1.00 to 1.50	..... to .....
..... to	..... to	Antirrhinum (per bunch)	..... to	..... to .....
25.00 to 60.00	..... to	Asparagus, Plumosus, bunches	35.00 to 45.00	..... to .....
25.00 to 50.00	..... to	" Sprengeri, bunches	20.00 to 35.00	25.00 to 50.00
..... to	..... to	Bouvardia	..... to	..... to .....
8.00 to 12.50	10.00 to 15.00	Callas	6.00 to 8.00	10.00 to 12.50
..... to	..... to	Chrysanthemums	..... to	..... to .....
1.00 to 1.50	1.60 to 2.00	Carnations—Inferior grades, all colors	.25 to .50	1.00 to 1.50
2.00 to 2.50	1.60 to 2.00	Standard Varieties: White	.75 to 1.50	1.00 to 1.50
2.00 to 2.50	1.50 to 2.00	Standard Varieties: Pink	.75 to 1.50	1.00 to 1.50
2.00 to 2.50	1.60 to 2.00	Standard Varieties: Red	.75 to 1.50	1.00 to 1.50
2.00 to 2.50	1.50 to 2.00	Standard Varieties: Yellow and var.	.75 to 1.50	..... to .....
..... to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Std'd vars.): White	1.50 to 2.00	2.00 to 3.00
..... to 3.00	2.50 to 3.00	*Fancy: Pink	1.50 to 2.00	2.00 to 2.00
..... to 3.00	2.60 to 3.00	*Fancy: Red	1.50 to 2.00	2.00 to 3.00
..... to 3.00	2.60 to 3.00	*Fancy: Yellow and var.	1.50 to 2.00	..... to .....
2.00 to 3.00	..... to	Daffodils	.75 to 1.50	2.00 to 3.00
..... to	1.00 to 1.50	Daisies	.50 to 1.00	..... to .....
..... to	..... to	Ferns, hardy	..... to .20	..... to .20
.50 to 1.00	2.50 to 3.00	Freesia	.75 to 1.25	..... to 2.00
..... to	..... to .15	Galax, green and bronze	..... to .20	..... to .12
..... to 2.00	..... to	Gardenias, per doz.	5.00 to 15.00	..... to .....
..... to	..... to	Lilac	8.00 to 12.00	..... to .....
..... to 12.50	12.00 to 15.00	Lilies, Harrisii and Longi	6.00 to 8.00	10.00 to 12.50
2.00 to 4.00	3.00 to 4.00	Lily of the Valley	1.00 to 2.00	3.00 to 4.00
..... to 3.00	2.00 to 3.00	Mignonette	1.00 to 2.50	4.00 to 5.00
2.00 to 3.00	2.00 to 3.00	Narcissus	1.50 to 2.00	2.00 to 3.00
..... to	40.00 to 60.00	Orchids—Cattleyas	25.00 to 40.00	..... to .....
..... to	10.00 to 15.00	Cypripediums	8.00 to 10.00	..... to .....
..... to	..... to	Dendrobium Formosum	25.00 to 35.00	..... to .....
.50 to .75	1.00 to 1.50	Pansies, per doz. bunches	.50 to .75	..... to .....
4.00 to 5.00	2.00 to 3.00	Roman Hyacinths	.75 to 1.50	2.00 to 3.00
..... to 2.50	1.25 to 1.50	Smilax, (per doz. strings)	1.00 to 1.25	..... to 1.25
..... to	.25 to .30	Stevia, per bunch	..... to	..... to .....
.50 to 1.00	.50 to 1.00	Sweet Peas, (per doz. bun.)	.50 to .75	.25 to .50
2.00 to 4.00	2.00 to 4.00	Tulips	1.00 to 2.50	2.00 to 3.00
.30 to .50	..... to	Violets, single	.20 to .35	.16 to .20
..... to	.50 to .75	" double	.25 to .40	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

Headquarters in Western New York

For Roses, Carnations,
And all kinds of Seasonable Flowers

WM. F. KASTING CO.
Wholesale Commission Florists
Dealers in Florists' Supplies and Wire designs
383-87 Ellicott St., BUFFALO, N.Y.
Give us a trial—We can please you

Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

EDWARD REID
Wholesale Florist
Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias
All other seasonable flowers
1526 Ranstead St., Philadelphia, Pa.

100,000,000,000 RED Cut Flowers for Christmas, 1910
NEFF'S 20th Century Novelty beats Poinsettia
100 ways Write the originator of ideas; I will put 600 per cent. profit in your pocket, at a nominal cost to you. Inclose 10 cents in stamps for a reply.
L. I. NEFF, FLORIST, Bellevue, Pa.

Please mention the Exchange when writing.

Gardenias and Cattleyas

The Aristocrats of the Flower World

Such values, and such qualities, it has seldom been our privilege to offer. Truly magnificent blooms.

GARDENIAS—SPECIALS, per doz. $3.00, $20.00 per 100; FANCY, per doz. $2.00, $15.00 per 100; FIRSTS, per doz. $1.50, $8.00 per 100.

CATTLEYAS—Per doz. $6.00, $40.00 per 100.

Mention this advertisement and we will send you a box of two dozen of the choicest Cattleyas for $10.00.

FOR ST. PATRICK'S DAY

Shamrocks, 2¼-in. pots, $10.00 per 100.
Empty Shamrock Pans, 6 in. diameter, 2 in. deep, 15c. each. These Pans can be filled from 2¼-in. pots, and used for table decorations.
Green Carnation Dye, $1.00 per package.

CATALOGUE ON REQUEST

EASTER PLANTS

LILIES, mostly 6-in. pots, one, two, three and four plants to a pot, average 4 and 5 blooms each plant, 15c. per flower; second grade 12½c. Magnificent stock, as fine as we ever offered, every plant a specimen.
AZALEAS, $1.00, $1.25, $1.50, $2.00, $2.50, $3.00, $4.00, $5.00, $7.50, $10.00, $12.50 each.
AZALEA MOLLIS, $1.50, $2.00 each.
MINIATURE AZALEAS (for basket work), $4.00 dozen.
BOUGAINVILLEA, specimen plants, $25.00 each.
BOUGAINVILLEA, 6-in. $2.00, 7-in. $3.00, 8-in., $4.00, 10-in. $5.00, 12-in. $7.50 each.
CRIMSON RAMBLER ROSES, $1.00, $1.50, $2.00 each.
DOROTHY PERKINS RAMBLER, $2.00, $3.00, $4.00, $5.00 each.
MAGNA CHARTA ROSES, 75c., $1.00, $1.50, $2.00 each.
BABY RAMBLER ROSES, 75c., $1.00, $1.50, $2.00, $2.50 each.
TAUSENDSCHON, LADY GAY AND HIAWATHA ROSES, $1.25, $1.50, $2.00, $3.00, $3.50 each.
BABY DOROTHY RAMBLERS, 50c., 75c., $1.00 each.
CINERARIAS, $3.00, $4.00 and $5.00 per dozen.
DEUTZIA GRACILIS, $1.00, $1.50, $2.00, $2.50 each.
DAFFODILS, single and double, $6.00 per dozen, 6-in. pots.
MARGUERITES, White, 50c., $1.00, $3.00 each; Yellow, $1.00, $1.50 each.
MARGUERITE "QUEEN ALEXANDRA," 35c., 50c., 75c. each.
GENISTAS, 7-in. pans, $1.00 each.
GERANIUMS, 4-in. $2.00, 6-in. $4.00 per dozen.
GARDENIA PLANTS, 6-in. $1.00, 7-in. $1.50, 8-in. $2.50, $3.50, $5.00 each.
PRIMULA OBCONICA, $4.00, $6.00 dozen.
TULIPS, 4-in. pots, $4.00 dozen; pans, $6.00 dozen.
HYDRANGEAS, pink and blue; $1.00, $1.25, $1.50, $2.00, $3.00, $5.00 each.
HYACINTHS, 4-in. pots, $15.00 per 100; pans, $9.00, $12.00 dozen.
LILIES IN POTS, per bud and bloom, 15c; a few extra select specimens in limited quantities, 17½c.; a few seconds, 12½c.
LILACS, $1.50, $2.50 each.
LILY OF THE VALLEY, pans, $6.00, $9.00 dozen.
RHODODENDRONS, $1.25, $1.50, $2.00, $2.50, $3.00, $4.00, $5.00, $7.50 each.
SPIRÆA, GLADSTONE, 7-in. pots, 50c., 75c.; 10-in. pots, $1.50, $2.00; 12-in. pans, $2.50, $3.00.
NEW PINK SPIRÆA, "QUEEN ALEXANDRA," $1.00 each.
SPIRÆAS, (other varieties), $4.00 and $6.00 dozen.
VARIEGATED MAPLES, 10-in. tubs, $2.50, $3.50 each.
JAPANESE MAPLES, $1.25, $1.50 each.
WISTARIA, blue, $2.00 each.
FLOWERING ALMOND, APPLE and **PEACH,** $1.50, $2.00 each.
STANDARD PRUNUS, $2.00 each.
ENGLISH HAWTHORNS, $1.50 each.
MOUNTAIN LAUREELS, $1.50 each.
PANDANUS VEITCHII, 6-in. $1.00, 8-in. $2.00.
SCOTTII FERNS, 6-in. pots, 50c.; 8-in. pots, $1.00; 10-in. pans, $1.50 12-in. pans, $2.00.

All shipments are at risk and expense of customer. We waive responsibility after delivery to express company

PM QUALITY

S. S. PENNOCK-MEEHAN CO.
The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St., Philadelphia, Pa.
1212 New York Ave., Washington, D. C.
Stores close at 6 P. M.

Please mention the Exchange when writing.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

Please mention the Exchange when writing.

HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

51 Wabash Ave.

Please mention the Exchange when writing.

Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

Please mention the Exchange when writing.

E. G. HILL CO.

Wholesale Florists

RICHMOND, INDIANA

Please mention the Exchange when writing.

Wietor Bros.

Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

Please mention the Exchange when writing.

ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, Mch. 8, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	3.00 to 4.00
30-inch stems.. "	.... to 3.00
24-inch stems.. "	2.50 to 3.50
20-inch stems.. "	....to 2.50
18-inch stems.. "	1.50 to 2.00
12-inch stems.. "	1.00 to 1.25
8-in. stems and shorts "	75. to 1.00
Killarney	5.00 to 8.00
" extra	10.00 to 12.00
White Killarney	10.00 to 12.00
Richmond	6.00 to 12.00
My Maryland	5.00 to 12.00
Bride, Maid, fancy special	6.00 to 8.00
" extra	4.00 to 6.00
" No. 1	.... to 4.00
" No. 2	.... to 2.50
Perle	4.00 to 7.00
Chatenay	3.00 to 8.00
Kaiserin	.... to 8.00
Uncle John	.... to 8.00
Mrs. Marshall Field	.... to 8.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Calla Lily	10.00 to 12.00
Chrysanthemums doz.	.... to ....
" fancy doz.	.... to ....
Daisies	.... to 1.00
Daffodils	1.00 to 3.00
	.... to ....

CARNATIONS		
Standard Varieties	White	1.50 to 2.00
	Pink	1.50 to 2.00
	Red	2.00 to 4.00
	Yel. and Var.	.... to ....
*Fancy (*The highest grades of Sta'd varieties)	White	.... to 3.00
	Pink	.... to 2.00
	Red	.... to 3.00
	Yel. and Var.	.... to ....
Ferns, hardy, per 1000		.... to 2.00
Freesia		.... to 3.00
Galax (green)		.... to 1.00
" (bronze)		.... to 1.25
Gardenias		24.00 to 40.00
Hyacinths, Roman		.... to ....
Lilac		.... to 3.00
Lilies, Harrisii and Longi.		.... to 12.00
Lily of the Valley		3.00 to 4.00
Mexican Ivy		.... to 1.00
Mignonette		4.00 to 6.00
Narcissus—Paper White		.... to 3.00
Orchids—Cattleyas		35.00 to 50.00
" Cypripediums		15.00 to 20.00
Pansies		.... to ....
Smilax		12.00 to 15.00
Stevia, bunch		.25 to .50
Sweet Peas		.50 to 1.00
Tulips		2.00 to 4.00
Violets, single		.... to .40
" double		.50 to .75
		.... to ....
		.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

Chicago

The end of last week was a record breaker in weather conditions, and it is reported by the weather bureau that Saturday was the hottest fifth of March since 1894. It was certainly a sultry day. On Sunday the temperature had fallen 40 degrees and Monday found it still colder. These warm days were the means of glutting the market with all sorts of stock, and now with a decided change, should conditions continue, there will be in all probability, a shortage in stock for Easter. St. Patrick's Day's approach is evident by the many decorations, in the shape of harps, green Carnations, Shamrocks and other novelties, displayed in the retailers' windows. The preparations are somewhat more extensive than usual, owing to the fact that President Taft will be in Chicago on this day. The florists are vieing one with another to see who can be the top on the list in the way of an effective decoration.

On Monday of last week four small children, three girls and a boy, walked timidly into Judge Winde's courtroom at the County building, went up to the judge's bench and presented the astonished jurist with a huge bouquet of American Beauty Roses. Fastened about the stems was a bit of crimson ribbon, to which was attached the following note: "We offer these flowers to a loving, just man; a judge who will protect our homes; a judge, who cannot be approached by word or letter; who is true to his oath. This man is worthy of deep respect and we honor him. (Signed) The Children." Before the judge recovered from his astonishment the children had disappeared.

Miss Ida Kroeschell, daughter of Mr. and Mrs. William L. Kroeschell of Winnetka, was married Thursday, March 3, to Ernest von Ammon of Chicago. The marriage took place at the home of the bride's parents. The bride wore a wreath of Orange blossoms and carried a shower bouquet of Lily of the Valley. After April 15 Mr. and Mrs. von Ammon will be at home at Winnetka.

Percy Taylor of Elgin, Ill., who is well known to many of the florists, and who had contributed largely to many papers on horticulture and agriculture lines in past years, died on Thursday, March 3, of pneumonia, at the age of 59. Mr. Taylor was born at Portsmouth, England, and until recently resided at Elmhurst, Ill. He was a close associate of the late John Thorpe.

James C. Hill, superintendent for the Kroeschell Brothers Co., boiler manufacturers, died last Tuesday, March 1, at Rogers, Ark., where he had gone for his health. Funeral services were held Friday morning at his late residence, 9937 Avenue H, South Chicago.

Charles Schlick, for some time in the employ of the Winterson's Seed Store, buried his father on Sunday, March 6.

H. E. Philpott spent Sunday in Chicago, en route for St. Catherines, Canada, to attend the meeting of the executive committee of the Canadian Horticultural Association, which will be held at St. Catherines on Tuesday, March 8. The subject of duty on plants will be discussed at this time. The arrangements for the convention of this association, to be held in St. Catherines next August, will be perfected.

A letter from Riverside, Cal., received from E. B. Washburn, who, with Mrs. Washburn, expects to spend some time there for the benefit of his health, states they arrived safely and were met at Riverside by their grandfather, O. P. Bassett, whose guests they will be for some time. Mr. Washburn says he is feeling much stronger than when he left Chicago.

The A. L. Randall Co. is handling Violets, and then more Violets, these days. In the supply department a very fine display of gold boxes and other Easter requisites are shown to good advantage. A new feature is in the line of a quick pot decoration, that is conceded by all florists who have inspected same to be the best yet.

J. B. Deamud Co. have a most exquisite showing every morning of the new Carnations, shipped direct from the Chicago Carnation Co., Joliet, including Mary Tolman, Sangamo and Conquest. All look their best at the present time.

Bassett & Washburn are cutting exceptionally fine American Beauty Roses, the best, in fact, on the market, and which are being much sought after by the commission men who have to purchase this stock from the growers.

Mr. Bohannon of the Bohannon Floral Co., is again suffering from the effects of the ivy poisoning that he contracted last Fall. He says he cannot complain of business the past few weeks, as he is kept moving along nicely. Monday, March 7, he had a large funeral order, consisting of a Violet casket cover and seven sprays.

H. Van Zonneveld, of Van-Zonneveld Brothers & Philippo, wholesale bulb growers and nurserymen, Sassenheim, Holland, spent Thursday, March 3, in Chicago, and was the guest of the Chicago Florists' Club. Mr. Van Zonneveld is on his return trip through the West, and is on his way to Canada, expecting to return to Holland in three weeks. He has been on his trip through the States since January 1.

The George Wittbold Co. is busy, booking orders for Easter decorations requiring such classes of decorative plants as are made a specialty of by this house. Palms, Ferns and all plants for decorative purposes are always to be found at the company's establishments.

Wietor Brothers' large cut of excellent stock is always easily disposed of, and at times the firm is kept busy hunting stock to complete their numerous shipping orders.

Peter Reinberg states that his stocks of rooted cuttings and small plants of Carnations and Roses are meeting with a ready sale; some varieties at this early day are all disposed of.

That the Poehlmann Bros. Co. are coming forward in the Orchid line is evident by the blooms they are now shipping from Morton Grove, Ill.

Little shoes filled with real Shamrocks are St. Patrick's Day novelties.

A young son of Mr. and Mrs. Joseph Brooks, Morton Grove, Ill., cut his knee badly on the ice two weeks ago. His hurts failed to respond to home treatment, and it was necessary last Saturday to remove him to a hospital.

Albert Heath of Milwaukee spent Monday in town, purchasing supplies for his Easter trade.

F. R. Hills, formerly of Chicago, is starting in the florist business in Los Angeles, California.

VISITORS: M. Morgan of Bobbink & Atkins, Rutherford, N. J.; M. Shepherd, Joliet, Ill.; A. T. Pyfer, Joliet; Mrs. S. M. and Harry Ellison, of the Ellison Floral Co., St. Louis, Mo.; Ed. Fancourt of Pennock-Meehan Co., Philadelphia, Pa.; Wm. A. Gardeen of Thorley's, New York City; Harry Balsley, Detroit, Mich.

A. H. Goodman, of the W. W. Barnard Co., has returned from his trip abroad, and says that the French Riviera, near Nice, is an ideal place to spend the Winter.

Vaughan's Seed Store front is being made attractive with a new coat of paint. Sphagnum moss, which this firm ships in carloads, has been held back by the heavy snows and railroad delays, but now and then a car does get down—150 miles in five weeks—and, divided among the many orders, helps to keep the florists' stores going.

The special park commissioners of the city of Chcago are asking bids from all nurserymen on a list of trees, shrubs and plants to be used in the municipal parks and playgrounds throughout the city. The bids will be received any date between March 5 and 17, at the office of the Park Commissioners, 200 Randolph st.

The Briggs House Florist has opened another store at 167 Dearborn st., in the Saratoga Hotel. This looks like a promising location for a florist shop.

L. Vaughan, of Vaughan & Sperry is still retained by the courts, on jury duty.

Florists' Club Ladies' Night

The dinner and entertainment tendered the wives and sweetheart of the Chicago Florists' Club, at the Union Restaurant, Thursday evening, March 3, was a most enjoyable affair, and was participated in by about 125 ladies, members and guests. A short business session was held from 7.30 to 8 o'clock, after which the ladies were conducted to the banquet hall, where numerous tables were set to accommodate the guests. The hall was prettily decorated with Palms and plants, the tables were well supplied with Roses, Lily of the Valley and Carnations as decorations. After all were seated President Asmus greeted the gathering with a short address of welcome, and said he hoped soon that instead of only being able to arrange these pleasant evenings for the enjoyment of the ladies annually or semi-annually the Club would soon be installed in a hall of its own, where such entertainments might be arranged more frequently. After a most bountiful repast was served, the rest of the evening was spent in listening to some very entertaining and well rendered songs, solos, violin solos, recitations and character sketches, all well executed, under the skilled management of D. S. Robertson. At the close of the program Auld Lang Syne was sung by the company, and all departed for their respective homes declaring that the Club had outdone any previous affair of the sort.

Last week the League bowling was held Tuesday night instead of Thursday night. The Violets beat the Carnations two games out of three, the Roses beating the Orchids the same way.

WHOLESALE TRADE LIST

ASPARAGUS plumosus, 3-in. pots, $6.00 per 100.
ASPARAGUS Sprengeri, 2½-in. pots, $3.00 per 100.
CLEMATIS paniculata, 4-in. pots, $10.00 per 100.
CLEMATIS paniculata, 3-in. pots, $5.00 per 100.
CLEMATIS, 2 year old plants, dormant, $3.00 per dozen; colors, Purple, White and Pink.
DRACAENA indivisa, 4-in. pots, $10.00 per 100.
FEVERFEW, The Gem, 3-in. pots, $4.00 per 100.
DAISY PLANTS, White and Yellow, 3-in. pots, $6.00 per 100; 2½-in. pots, $3.00 per 100.
DAISY, Queen Alexandra, 3-in. pots, $5.00 per 100.
ENGLISH IVY, 3-in. pots, $5.00 per 100.

ROOTED CUTTINGS from soil, $1.00 per 100.

COLEUS, Verschaffeltii, Queen Victoria, Golden Bedder, Firebrand; HELIOTROPE, blue; FEVERFEW; LOBELIAS, double and single blue; FUCHSIAS, 4 varieties; ACHYRANTHES; GAZANIAS; CIGAR PLANT; GERMAN IVY; AGERATUM.

Cash with order please.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS

From 2¼-inch pots, $2.50 per 100, $22.50 per 1000.

Cash with order please

FLORAL HILL GARDENS
G. F. NEIPP, Prop.
CHATHAM, N. J.

Please mention the Exchange when writing.

AMPELOPSIS VEITCHII

Fine, well rooted, one year plants, 18 to 24 inches; 50, by mail, $2.00; 100, by express, $3.00; 1000, $25.00. Plants in cellar.
ASPARAGUS ROOTS for Spring, extra strong, 2 year plants, $1.00 per 100; $4.00 per 1000. 3 years, $1.25 per 100; $5.00 per 1000. They will please.

CHARLES BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

ALTERNANTHERA, Red

Extra strong rooted cuttings, 50c. per 100, $4.00 per 1000

The H. Weber & Sons Co
Oakland, Md.

Please mention the Exchange when writing.

300,000 COLEUS $4.00 per 1000, 60c per 100. By mail, 50,000 good, strong, clean, well-rooted cuttings; now in sand. 800,000 more coming on; Verschaffeltii, Golden Bedder, Queen Victoria, Firebrand, and all other leading varieties. Come and see them. Cash with order.

C. SCHULZE & SON, 261-275 Lawrence St. FLUSHING, L. I., N. Y

Please mention the Exchange when writing.

AGERATUM

Stella Gurney, from 2¼-in., $2.00 per 100. After March 20: SALVIA Seedlings, strong, transplanted, Bonfire and Ball of Fire, $1.00 per 100, $8.00 per 1000.
ASPARAGUS Sprengeri, from 2¼-in., $2.00 per 100, $18.00 per 1000.
CHRYSANTHEMUMS, from 2¼-in., Polly Rose and Dr. Enguehard, $2.50 per 100, $20.00 per 1000.

Cash with order.

C. A. PETERSON, Madison, N. J.

Please mention the Exchange when writing.

FUCHSIAS

There are none better than Little Beauty, Lord Byron, Renan and White Beauty. Strong 2½-in. pots ready, $4.00 per 100. New Heliotrope, Miss Berenice, a sport of Mad. Bruant and a great improvement on the latter 2½-in. pots, $8.00 per 100. Catalog for the asking

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Kalamazoo, Mich.

After three months of continuous sleighing, accompanied by severe cold weather, a change to bright Spring-like weather and warm sunshine is welcome indeed. Whether this change will rush the Easter stock too much is the problem now facing the grower. Certain, however, it is that at present there is an over-supply of flowers, and, as always the case, a dull market. Hopes are entertained that the Spring openings will use up a quantity of cheap flowers and thus relieve the market some.

St. Patrick's Day, with its green Carnations and banquets, will bring Easter week within reach, and no doubt up to that time business will remain fairly good. After Easter, however, the cut flower grower will find it a problem to dispose of the heavy cuts promising this Spring.

I anticipate good business for the bedding out and porch box work, but I believe the automobiles, with its attending results, such as the country club entertainments and lake parties, will effectively make a considerable reduction to the after-Easter affairs at home, so the shipping trade and funeral work will constitute the main business.

The automobile business cuts quite a figure as a rival to the florist, and here we have more agents in that business than there are florists; and as every sale they make will probably mean $1500 or so quite a little of the surplus cash usually spent in various luxuries, among which would be counted flowers, is lost to those various trades. Again it all leads on to the greater outdoor life, which, while doubtless healthy for the participants, adds but little to the income of the average florist.

The Central Nursery Co. has again moved its downtown office, this time to 104 East Main st., and a fine location.

S. B.

Providence, R. I.

Johnson Bros. report a number of decorations during the past week, among them a dinner by the Real Estate Exchange, and another at the opening of the Weybosset Jewelry Store. Their window display consists of a number of gold-effect window boxes filled with plants and cut flowers, and a large floral harp in white and green.

J. Kopelman & Co. report good sales of cut stock in wholesale quantities, which shows that business in this territory is picking up considerably. Some additional room was found necessary and was taken over March 1 in order to properly store their stock.

Florence A. Willard, 279 Mass. ave., reports that she has again taken the contract for the planting of Roger Williams Park and also the City Hall grounds. This makes the tenth year that she has held this work. She has some 2000 sq. ft. grown to a mixed stock, among which are Orchids and Violets. The coming Decoration Day will end 15 years in which the Hope Greenhouses have been located here.

John R. Hamilton, 45 Wheeler ave., has some 5000 ft. devoted to Carnations and bedding stock. Trade here is somewhat brisk, especially in funeral work, and is as good as at any time during the past 15 years.

A. J. Johnson of Shaw ave. and Broad st. is about ready to occupy the 3100 ft. of glass just being finished. This is one of the newer stores and Mr. Johnson is very well known to local trade, having spent some time with G. H. Cushing and S. J. Reuter & Son.

Among visitors in the trade the past week was James F. Smith of Boas & Co., Philadelphia, Pa.

Thomas Tullie, 206 Bay View ave., Edgewood, does considerable wholesale trade from his 4000 sq. ft. of glass, and makes a specialty of Fern growing, in which he is very successful.

Mrs. P. F. Conley of the Elmwood Greenhouses has some 10,000 sq. ft. of glass in which some of the finest Mignonette is produced. A general line is grown here for retail trade. She has been here for the past 20 years.

J. G. Jensen, of the Park Greenhouses, 1142 Broad st., has some 15,000 sq. ft. devoted to a mixed assortment of stock. He built one house 45 by 190 ft. last Summer, and has had some trouble with same during several of the larger snowstorms, owing to the absence of proper gutters between houses. Plans are under way to change this arrangement, and future trouble will be avoided. The larger house is devoted to Carnations.

GERANIUMS

	1000	100
8 varieties, my selection	$25.00	$3.00
ASPARAGUS Sprengeri, seedlings	7.00	1.00
DOUBLE PETUNIAS		3.00
LARGE PANSY PLANTS, April 1st		1.50
SMALL PANSY PLANTS, $2.50 per 1000		.50

COLEUS

	Per 100
10 varieties, 2¼-in. pots, April 1st	$2.00
10 varieties CANNAS, 3½-in. pots, April 1st	4.00
400 ASPARAGUS plumosus nanus, 2¼-in. pots	2.00
ALTERNANTHERA, red and yellow April 1st	2.00

Cash. No C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

Geraniums and Pelargoniums

Ready March 1st

Victor, Pelargonium, 3-in. pots $4.00 per 100. S. A. Nutt, Geranium, 2½ in. pots $2.00 per 100.

CASH WITH ORDER

WM. J. CHINNICK, TRENTON, N. J.

Please mention the Exchange when writing.

GERANIUMS

Ricard, Nutt, Buchner, strong, cool grown plants, from 2-in. pots, $2.00 per 100, $20.00 per 1000.

Ricard from 2½-in., $2.50 per 100. Mixed $18.00 per 1000.

QUAKER HILL NURSERIES, Oxford Depot, N. Y.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings: Viaud, Ricard, Doyle, Castellane, Jaulin, $12.00 per 1000. Nutt, Buchner, $10.00 per 1000.

BEGONIAS

25,000, strong, extra fine transplanted plants, of Vernon, and Gracilis Rosea, $1.00 per 100 by mail; $6.00 per 1000 by Express.

PANSIES

Brown's Prize Pansies, seedlings Fall grown, $2.50 per 1000. Fall transplanted, large stocky plants, $1.25 per 100, $10.00 per 1000; 2½-in., until further notice.

Cash with order.

PETER BROWN, 124 RUBY STREET, LANCASTER, PA.

Please mention the Exchange when writing.

ROOTED CUTTINGS

PETUNIAS, Breer's Superb, double fringed; the best selected large-flowering doubles, finely fringed, mixed colors, $1.00 per 100, $9.00 per 1000.
FUCHSIAS, finest double, dwarf habit, $1.00 per 100, $8.00 per 1000.
HELIOTROPE, dark, good stock, 75c. per 100, $6.00 per 1000.
PETUNIA, The Queen, fine double fringed, white mingled with purple, $1.00 per 100, $9.00 per 1000.
SALVIA, Bonfire, 80c. per 100, $7.00 per 1000.
AGERATUM Stella Gurney, 60c. per 100, $4.00 per 1000.

CASH WITH ORDER.

J. P. CANNATA, Mt. Freedom, N. J.

Please mention the Exchange when writing.

PETUNIA DOUBLE 10 kinds, 3 in., 2c.

Snapdragon, White and Scarlet, 2 in., $2.00 per 100.
Smilax, 2-in., $1.25 per 100.
Abutilons, 3 kinds, 2-in., 2½c.

PRIMULA

Primula Obconica, 4-in. in bloom, 8c.
Cuphea, 2-in., 1½c.
Poinsettia, stock plants, 5c.
Geraniums, Nutt, Castellane, Buchner, Grant, etc., 2-in., $2.00 per 100.
Coleus, 10 kinds; Ageratum, 3 kinds; 2-in., $1.50 per 100.
Rooted Cuttings, prepaid per 100, Heliotrope, $1.00; Fuchsia, 8 kinds, $1.00; Paris Daisy, yellow, white, $1.00; Cuphea, 75c. Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, 3 kinds, 60c.; Ageratum, 3 kinds, 60c.; Swainsona alba, $1.00; Dbl. Petunias, 10 kinds, $1.00.
Flowering Begonia, 8 kinds, $1.25; Salvia, 90c. Cash with order.

BYER BROS., Chambersburg, Pa.

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Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

GERANIUMS

2-INCH POTS.

Nutt, Buchner, Poitevine, Doyle, Mme. Sallerol and others, $18.00 per 1000, $1.80 per 100.

Rose Geraniums, $3.00 per 100.

Rooted Cuttings of

Fuchsias, Salvias, Heliotropes, Double White Feverfew, Vinca Variegated, $1.00 per 100; 2-in. pots of above, $2.00 per 100.

Double Giant Sweet Alyssum; Ageratum, Gurney; R. C., 60c. per 100; 2-in. pots, $1.50 per 100.

COLEUS

Crimson Verschaffeltii, Golden Bedder and 15 others, 60c. per 100, $5.00 per 1000.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

GERANIUMS from soil, S. A. Nutt, Double Grant, Buchner, $10.00 per 1000; Poitevine, Ricard, Perkins, from pots, $15.00 per 1000. Strong, 2½-in., and from soil, $2.25 per 100.

COLEUS Ver. and G. Bedder, $6.00 per 1000. Fancy, brightest, $5.00 per 1000. Giant Leaved, most showy of all, 80c. per 100.

ALTERNANTHERA, Good soil plants; Yellow, $6.00. Red Rug, $7.00 per 1000.

PANSIES, Large, best select, $3.00 per 1000.

WATER Wonder, new, white and pink, June and July, $1.00 per ½ oz. Late Branching, six colors mixed, 40c. per oz. Cash.

DANIEL K. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings

All booked until middle of March

FRED W. RITCHY, Lancaster, Pa.

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GERANIUMS ROOTED CUTTINGS

READY TO SHIP	100	1000
S. A. Nutt and La Favorite,	$1.25	$10.00
Castellane and Doyle,	1.40	12.00
Salvia, Bonfire and Splendens,	.85	7.50

Less 3% for cash with order.

Quality Guaranteed or Money Refunded.

B. F. BARR & CO., Keystone Nurseries, LANCASTER, PA.

Please mention the Exchange when writing.

DON'T GET LEFT

Geraniums! Geraniums!

Nutt, Doyle, Buchner, La Favorite, Grant, Bruant and others, also Rose Geraniums, $18.00 per 1000; 500 at 1000 rates.

Ageratum, Stella Gurney, Pauline and others, R. C., 60c.; 2¼-in. pots, $1.00 per 100. Heliotrope, all dark, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Feverfew, Little Gem, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Achyranthes Lindeni, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Pilea, Artillery Plant, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Ivy, German, 2¼-in. pots, $1.50 per 100.

Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

"THE EVERGREEN BRAND FLOWER FERTILIZER"

is pure plant food, immediately available. It permanently enriches the soil. It prevents the onslaughts of plant disease, or insects and pests. Can be used at any time during the growing season, dry or in solution.

Put up in 12 pound cans. Price $2.00

For sale by leading jobbers. For further information, address

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Cattle Manure in Bags
Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
Union Stock Yards Chicago

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Is the STRONGEST, BEST PACKED, EASIEST APPLIED

24 sheets	$0.75
144 sheets	3.50
288 sheets	6.50
1728 sheets	35.10

"NICO-FUME" LIQUID

Furnishes the Most Nicotine for the Money!

Mfgd. by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Over 40% Nicotine By far the CHEAPEST.

Just Note Prices!

Pint	$1.50
½ Gallon	5.50
Gallon	10.50
5 Gallons	47.25

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For "POT LUCK" Try Us

Hews Standard Pots

POT MAKERS FOR 140 YEARS

WRITE FOR CATALOGUE AND DISCOUNTS

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If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
2 Duane Street NEW YORK

F. E.—Best Advertising Medium

Bind Your Trees With Strokum Early This Spring

IT will keep down the caterpillars and tussock moths. Don't wait until the leaves have come out, and the crawlers are in the trees eating up the tender leaves. The way to control the pests and save your trees, is to stop them before they start.

All banding substances like cotton, burlap, fly paper or tar do not do the work. Unsightly cotton is carried off by the birds. Fly paper does not fill in between rough spaces of bark, allowing caterpillars to crawl under it, and the stickiness dries up, allowing them to crawl over it; burlap they also crawl over and under. Smeared-on tar preparations dry up besides disfiguring the trees for all the year.

One banding of Strokum lasts for entire season and is not unsightly. Caterpillars or tussock moths cannot crawl under, over or through it. We guarantee it perfectly harmless to the trees. Anybody can apply it.

Send $3.00 at once for a sample package of 15 pounds, which is enough to band fifteen trees three feet around. Delivered free anywhere East of the Mississippi. West of the Mississippi, 50c. extra.

Let us mail you our illustrated booklet.

George Stratford Oakum Co.
165 Cornelison Avenue, Jersey City, N. J.

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Plant Names, Pronunciation of

This handy little book furnishes a key of the pronunciation of some 4,350 names of cultivated plants, genera and species, and will be found valuable as furnishing a standard to which to refer by all who desire to be correct when they speak of plants. Sent postpaid, on receipt of Fifty cents. Address, The Florists' Exchange, P. O. Box 1697, New York.

Not genuine without it.

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

All *our* bags have our guarantee tag on the bag, reading "Satisfaction or Money Back," and this trade mark

$3.00 per bag 100 lbs.

It costs 15 cts. to thoroughly fumigate a house 100x25.

We sell direct to the grower.

The H. A. Stoothoff Co.
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Commercial Violet Culture

Price $1.50

The Florists' Exchange, 2 to 8 Duane St., N. Y.

The Mastin Automatic White-Wash and Spraying Machine is Reliable, Practical and Durable

The tank is made of galvanized sheet steel, and in brass.
The pump is of brass throughout, simple and powerful.
The mixing device keeps the contents of the tank well stirred up from start to finish.
When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.
All parts are made to gauge, and may be had for repairs.
Ask your dealer about our Extension Hose, Extension Rods, and the Mastin White-wash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. Mastin & Co., 3124 West Lake St., CHICAGO, ILL.

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Price $3.50. Send for Sample Pages

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The Book of WATER GARDENING

By Peter Bisset
Price, postpaid, $2.50

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All the Clay

for our

Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.

ZANESVILLE, OHIO

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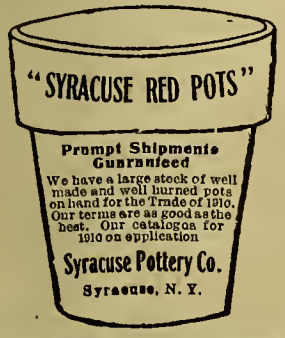

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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

	Price per crate.		Price per crate.
1500 2 in. pots in crate,	$4.38	120 7 in. pots in crate,	$6.20
1200 2¼ " "	5.25	60 8 " "	3.00
1200 2½ " "	6.00	HAND MADE	
1000 3 " "	6.00	48 9 in. pots in crate,	$3.60
600 5½ " "	5.60	48 10 " "	4.80
600 4 " "	4.50	24 11 " "	3.60
456 4¼ " "	5.24	24 12 " "	4.80
320 5 " "	4.51	12 14 " "	4.80
216 5½ " "	3.76	6 16 " "	4.50
144 6 " "	3.16		

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.

August Rolker & Sons, Agts., 51 Barclay St., N.Y. City

Please mention the Exchange when writing.

Red Standard Pots

We have these in stock from 1 inch to 18 inches. What are your needs for the coming Spring? Let us know them and give us an opportunity to quote you. Our goods are equal to the best; to prove it send us a trial order; small as it may be, it will be appreciated. Try us.

THE KELLER POTTERY CO.

213-223 Pearl St., NORRISTOWN, PA.

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PLANT TUBS

CEDAR OR CYPRESS

Write us if you want the best

Davis Cooperage Company

MANUFACTURERS

MARTINSVILLE, IND.

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Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: "Saw your advt. in F. E."

The Best

BUG KILLER

AND

BLOOM SAVER

For PROOF Write to

P. R. PALETHORPE CO.

Owensboro, Ky.

Please mention the Exchange when writing.

Worcester, Mass.

H. F. Littlefield reports business as very good. Easter orders are making an appearance, although too early for many.

Funeral work is heavy. There is scarcely a paper issued, but has a long list of flowers furnished for the obsequies. The weather has been unusually warm and this, with the many sudden changes of the past two months, has been the cause of many deaths.

CAROLUS.

St. Louis

Mr. and Mrs. John L. Koenig of the Koenig Floral Co. held a house warming recently in their new residence, just completed. There was a large gathering of friends present.

Mr. J. E. Weismann, who is connected with the Drumm Seed and Floral Co. of Fort Worth, Texas, called on the trade last week.

The W. C. Smith Wholesale Floral Co. received nearly 100,000 nice California Violets daily last week from their consignor in Kirkwood, all of which were of the best quality. The only trouble was that there was not a strong enough demand to consume them all.

Chas. W. Fullgraf, formerly a student of the Missouri Botanical Garden, and late with the City Forestry Department, reports that he has entered into business as a practical forester and landscape gardener, with downtown office in the Frisco Building; he has issued a neat catalogue for his patrons.

W. C. Smith says he is keeping bachelor quarters now, his mother having left last week for a long trip to California. Mrs. Smith is the mother of Mrs. H. V. Hunkel of Milwaukee.

Rufus J. Lockland, who resigned recently as president of the Board of Trustees of Henry Shaw estate, a position which he held for twenty years, died last week at the age of 90. Mr. Lockland was a great lover of flowers and well known to the local trade. The honorary pallbearers consisted of the Board of Trustees of the Shaw Garden, Prof. Wm. Trelease, James Gurney and A. D. Cunningham. The house was completely filled with flowers on the day of the funeral.

C. H. Kuehn is receiving, daily, a fine shipment of Roses from Ammann's Edwardsville place. All Rose growers' consignments to this market have been been short for some time, but from now on there will be plenty of Roses in all varieties, especially for the Easter trade.

Our seedsmen, Schisler, Plant, Young and others, are looking for a big seed trade. They say they are very busy in all branches of the seed business with large mail orders coming in daily.

Among the downtown retail stores, The Riessen Floral Co., Foster, Sanders and Grimm & Gorley, say they did a rushing counter business all of last week with Violets, Sweet Peas and Carnations; cheap prices prevailed at these places.

A meeting, which was called by several of the West End florists to organize a Retailers' Protective Association, was held on March 2, at the Washington Hotel. About twenty of the invited retailers were present and an organization was perfected with C. C. Sanders acting as chairman, Chas. Young as secretary and F. H. Weber as treasurer. They organized to protect themselves against the wholesalers selling at retail; and will not buy from those who do this. This was the only work laid before the first meeting; the next is subject to a call from the secretary.

ST. PATRICK.

REMEMBER! FLORISTS, REMEMBER!

That we manufacture Steam and Hot Water Boilers.
That we contract for and erect Heating Apparatus.
That we make a specialty of curing defective apparatus.
That our staff of Heating Engineers is reliable and competent
That our Mechanics—pipe fitters—boiler makers, etc., are all first-class.
That it will pay you to get our suggestions and estimates.

ESTABLISHED NEARLY 50 YEARS

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THE KROESCHELL BOILER

is the only perfect

HOT WATER BOILER.

Made in 15 sizes, heating 6,000 to 50,000 sq. ft. glass to 60 degrees at 15 degrees below zero.

Prices and catalogue on application

KROESCHELL BROS. CO.

468 Erie Street, CHICAGO.

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Are you going to build a **Sash Bar, Semi-Iron Frame** or **Iron Frame Greenhouse?** We have interested others in our methods of construction and in our prices—why not you?

ISAAC CASSIDY,

Summer Ave. and Erie R. R.

NEWARK, N. J.

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GLASS

DEMAND VERY HEAVY

Opportunity before you to purchase before higher prices prevail. "Get busy."

Write us before buying

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Phone., Canal 880 **CHICAGO, ILL.**

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PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

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For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS

N. COWEN'S SON,

14 & 16 Wooster Street, New York

Please mention the Exchange when writing.

SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers

One cent gets our catalog.

GIBLIN & CO., Utica, N. Y.

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Evans Improved Challenge

Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

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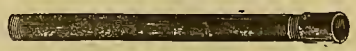
RICHMOND, IND.

Please mention the Exchange when writing.



For Good Servicable **SECOND-HAND PIPE**

Our prices are—1-in. pipe, $2.52; 1¼-in., $3.55; 1½-in., $4.05; 2-in., $5.55; 2½-in., $8.50; 3-in. $11.00 per 100 feet. We also sell Boiler Tubes.

ALBERT & DAVIDSON, Brooklyn, N. Y.

Tel. 2225 Williamsburg 63-70 Troutman St

Please mention the Exchange when writing.

A NEWPORT HOUSE

A curvilinear rose house with parallel houses connecting it to the work room. A well planned ornamental group that fits most attractively in its somewhat limited space on the grounds of Mr. R. L. Beekman.

Within the last year we have also erected at Newport, Iron Rafter houses for Delancy Kane, Mrs. Mary Emery, Mr. J. R. Drexel.

Send for our illustrated Circular.

HITCHINGS & CO.

NEW YORK—1170 Broadway
ELIZABETH, N. J.

Estimates Cheerfully Furnished

S. JACOBS & SONS

Get Our Prices and Catalogue

Established 1871 1365-1379 Flushing Ave. BROOKLYN, N. Y.

Clear Gulf Cypress
GREENHOUSE
MATERIAL
Cut and Spliced Ready for Erection
Pecky Cypress for Benches
We Carry 1,500,000 ft. of Louisiana Cypress in Stock

GREENHOUSE
20,000 Bxs. In Stock GLASS At Wholesale
LATEST UP-TO-DATE
Twin-Section Boilers
Pipe, Fittings, Valves
BRACE and SPLIT FITTINGS
WE INVITE COMPARISON

Everything for Erection

We carry the largest stock of
HOT-BED SASH
In the United States

Our New
VENT APPARATUS
Will Lift Easy 100 Feet

DOUBLE LIGHT
HOT-BED SASH
Requires No Covers

Please mention the Exchange when writing.

A. Dietsch Company
2638 Sheffield Ave., CHICAGO

Greenhouse Material
Hot-Bed Sash

For safe, light, efficient and durable construction our houses have stood the test. Ask our customers about them.

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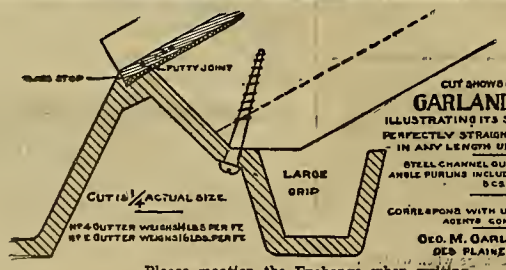
If you understand Modern Methods and FARM INTELLIGENTLY

Every reader of the Florists' Exchange who is interested in farming or gardening, in the growing of fruit or of flowers, is invited to send for a free copy of our 80-page catalogue and full information in regard to the Home Study Courses in Agriculture, Horticulture, Landscape Gardening and Floriculture which we offer under Prof. Brooke of the Massachusetts Agricultural College and Prof. Craig of the Cornell University.

The Home Correspondence School
Dept. 77 Springfield, Mass.

Please mention the Exchange when writing



CUT SHOWS ONE SIDE OF
GARLAND GUTTER
ILLUSTRATING ITS SUPERIOR POINTS.
PERFECTLY STRAIGHT CASTINGS MADE IN ANY LENGTH UP TO EIGHT FEET.
STEEL CHANNEL GUTTERS 50 CENTS PER FT.
ANGLE PURLINS INCLUDING FITTINGS 50 CENTS PER FT.
CORRESPOND WITH US DIRECT AND SAVE AGENTS COMMISSION
GEO. M. GARLAND CO.
DES PLAINES, ILLINOIS

Please mention the Exchange when writing.

KEEP A
HOLLY STANDARD CIRCULATOR
busy and watch results.
SUB-TARGET GUN CO.,
STEAM ENGINEERING DEPARTMENT
216 High Street, BOSTON, MASS.
Please mention the Exchange when writing.

Los Angeles, Cal.

Mr. Peter Bisset, a representative of that branch of the Department of Agriculture devoted to the introduction of new economic plants into the United States from foreign countries, is now on this Coast collecting data relative to the behavior of the subjects distributed by the Department to plant enthusiasts, both amateur and professional, for a number of years past. The custom has been to send these things to whomsoever applied for them, so long as the stock lasted, with the thought in mind that the experimenters were to make their reports from time to time as to growth and development, and the adaptability of the various plants on trial.

After years of trial, by this method of determining the value of any plant in any section of the country, the fact was learned by those in charge of the work at Washington that the information thus obtained was both unreliable and unsatisfactory. A new policy based on the experience of the years gone by is now being pursued. A trained man from the Department is now sent out on a tour of inspection. The qualifications of the experimenter for the work is being inquired into, as well as the soil and climate for which the subject is thought to be adapted. It has been learned from an expensive experience that comparatively few plant enthusiasts are qualified, either in training or in temperament, to give a plant a thorough test and furnish to the Department an accurate account of its adaptability to the climate and soil, and the use for which it is intended. Enthusiasts who lack tenacity of purpose, and those who are unacquainted with even the first principles of planting, cultivating and irrigating have been supplied with expensive plants without contributing a single item of information which the Department was after.

Then there is the careless enthusiast; competent to make a test yet too careless to keep records, and in one case here to even keep the names of the subjects received. All this is to be changed, and that, too, for the better. The man and his locality are to be studied before he receives plants to experiment with, and, through the personal knowledge of some competent representative of the Department, tab will be kept on the men who are making the experiments as well as on the plants experimented with.

Mr. Bisset is the third man whom it has been my privilege and pleasure to meet. P. H. Dorsett was the first, and Dr. Van Fleet the second; and if all other agents in the employ of this branch of the United States Government are as well qualified by training and temperament as they, then it is a reasonable supposition that greater progress will be made, during the next five years, in learning what plants are adapted to the various sections of the country than has been made during the last two decades.

The last issue of The Florists' Exchange received and carefully read. It is a superb number, brimful and bubbling over with information relative to plant novelties of the season. No gardener who cares to be well informed should be without it and should keep it for future reference.

The description of Dimorphotheca aurantiaca, as given, does not harmonize with the plant grown here last year under the same name. The one tested here has solid orange-colored flowers which, when open, are dazzling. I have reviewed this plant in March number of Pacific Garden.

It is a satisfaction to know that Mr. Burbank is continuing his cultivation of the "thornless" Blackberry, as indicated by Carl Purdy's letter. The plant he had on his experimental grounds, last Summer, was as soft as velvet and as vigorous as the Wilson; if he succeeds in producing an upright growing spineless Blackberry, as prolific as Mammoth, he will deserve the everlasting thanks of the berry growers of this Coast. Logan, Mammoth and Himalaya, are wonderful growers, 20-foot canes in one season is no unusual thing, but they must be trellised. The thing that puzzles me in regard to Phenomenal is the statements of Burbank in regard to its size, quality and productiveness when, as a matter of fact, in every instance that it has been tested in this end of the State it has proved absolutely worthless. Agricultural editors are continually asked the question: "What is the matter with my Phenomenal berries? They do not bear."

Summer time, good old Summer time, has dropped in upon us. March 1, 85°; March 2, 86°; March 3, 85° maximum,

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Steam and Water

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with 30° less as the minimum, and with a relative minimum humidity of 22, 23 and 24 per cent. To date, we are six inches short on rainfall as compared with the same period last year, and no immediate prospects of rain. This dry, delightful sunny weather is enjoyed to the full by visitors from all parts of the United States, and it affords them an opportunity to have the time of their lives. As has been said before in these notes, it is a positive luxury to live in this climate. A tent pitched beneath a Pepper tree, a live Oak, or one of the mammoth evergreen Ficus trees, with enough bread and water to satisfy hunger and thirst, and a daily bath, is bliss indeed.

Mr. Peter Bisset, Government field agent for the introduction of new plants, who is here now, is amazed at the growth in the open of subjects grown under glass in the East, and enraptured with the climate. The dust, which is trifling now compared with what it will be four months hence, disturbs him.

Despite the dry weather, great activity prevails everywhere in this southland in planting trees of every kind, which will, if given a chance, add wonderfully to the beauty of southern California a decade hence.

P. D. BARNHART.

New Orleans

A display of Orchids well worth going quite a distance to see was lately on view at the greenhouses of James A. Newsham, the southern Orchid specialist. Several hundred spikes of the very showy Oncidium splendidum, with lesser quantities of Oncidium Cavendishii, Lycaste Skinnerii, Cattleya Skinnerii, the magnificent Lælia superbiens, Cypripediums, etc., proved a veritable feast for the eyes. This grower has just received an immense importation of Oncidium splendidum and Odontoglossum grande, in first-class condition. His young son, Dan Newsham, left during the past week for Central America in quest of Cattleya Bowringiana; he is undoubtedly the youngest Orchid collector in the field.

Bruno Werner, of the firm of Werner Bros., has taken over the business of Henry Rehm of Cherokee and Pearl sts., while Otto Werner will continue at the old stand on Hurst st.

Mr. and Mrs. Henry Rehm will leave shortly for a trip to Germany.

George Thomas is building a greenhouse, 80 by 18 ft., to be devoted to plants for the market trade.

A recent visit to the establishment of M. De Lapourjade finds his stock in good shape, although he reports business as being nothing to boast about.

CRESCENT CITY.

CENTERVILLE, IND.—Mr. E. Y. Teas, having passed his eightieth birthday, is desirous of disposing of his nursery and florist business, in which he has been engaged for some sixty-two years past. Mr. Teas enjoys a splendid reputation for originating and producing some very desirable plants, is reputed to have a good business and, we trust, will succeed in disposing of it to worthy successors.

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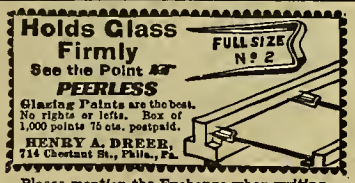

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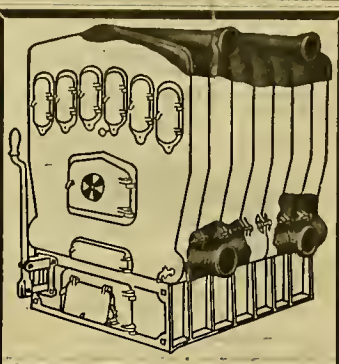

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LIGHTEST, STRONGEST, MOST DURABLE

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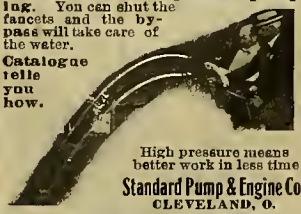

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for any size and style of
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for new structure or repairs.

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in stock or any size required.

Pecky Cypress Benches
most lasting—least expensive.

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ALL SIZES
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L. & B. Galvanized, Ice-Clearing Eave Plate with Sash Bar Clasps, makes this strong, but extremely light eave.

It seems hardly possible that after all the talking about lighter, stronger houses, that some growers are even this very day buying eaves that are heavier but not as strong as our Galvanized, Ice-Clearing one; eaves that are a little cheaper to buy but cost dollars and dollars more each year, because of the resulting shade and repairs.

Perhaps you may be one of those who do not know that we will sell separately, the plate with sash bar clasps attached. Send orders for as many feet as you like, and we will ship promptly.

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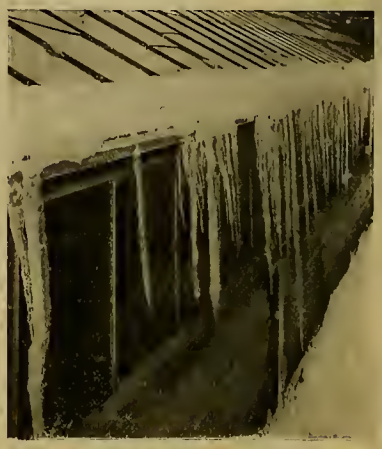

We don't believe in directly "knocking" the other fellow's construction, but the photo tells its own story. Why will growers put up such houses?

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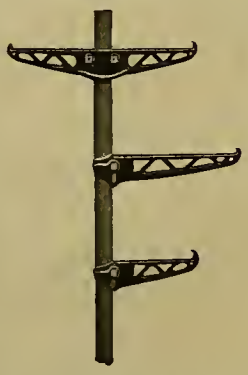

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Made for ¾ in. to 2 in. pipe
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Remit small amounts in stamps or Money Order.
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King Iron Frame Greenhouses

No other type of greenhouse construction has been received by the trade with such flattering approval. Houses of this type, either in the course of construction or erected, cover many acres in the United States, England, Germany and France. Let us talk to you about it.

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Manufacturer of **Floral Metal Designs**
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WE have just issued a catalog of pipe and fittings for florists. It is the only catalog of the kind published, and you should by all means get a copy and keep it handy. It gives you complete lists of steam and hot water heating materials, steam traps, cast iron and wrought pipe, valves, hose bibbs, rubber hose, etc. Don't forget to send for this book, 100 pages of information.

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Strong Dormant Roots

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Buttercup, Beaute de Poitevine, Florence Vaughan, Pierson's Premier, Rohallion, Robt. Christie, Souv. d'Antoine Crozy, Pennsylvania, Crimson Bedder and **Frederick Benary**
$3.00 per **100, $25.00** per **1000**

Golden King, Mlle. Berat, L. Patry, Austria and **Robusta**
$2.00 per **100, $15.00** per **1000**

King Humbert and **Tarrytown**
$8.00 per **100**

TUBEROUS-ROOTED BEGONIAS, Separate Colors, White, Pink, Scarlet, Crimson and Yellow. Single, $2.50 per 100; Double, $4.50 per 100.
CALADIUM ESCULENTUM. Bulbs, 6-9 inches in circumference, $3.00 per 100; 9-12 inches, $6.00 per 100.
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Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.50 "	8.00 "	75.00 "

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Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
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Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
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Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
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For immediate delivery. **Mrs. W. E. Kelley, Gloria, President Taft, Patty, Merry Jene, Dolly Dimple.** From 2¼-in. pots, **$10.00** per 100, **$90.00** per 1000.

We have a large stock of **Pacific Supreme** and **Golden Glow** ready for shipment from 2¼-in. pots, **$3.00** per 100, **$25.00** per 1000.

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Coleus, Salvia, Alternanthera, Heliotrope, Ageratum. Now ready.
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WHITE KILLARNEY (Waban Strain),
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EXCEPTIONALLY fine large plants of **Kaiserin,** grafted and own root, which, if planted early, would produce flowers early in the Summer, when there is a good demand for them. Have also a large lot of one-year-old dormant plants, suitable for out-door planting; **Killarney, Richmond, Rhea Reid, Bon Silene** and **Safrano.** Send for prices.

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KATHLEEN MALLARD, Double Deep Blue Lobelia. We have an exceptional fine stock of the very essential Novelty, at **$2.00** per 100, 2-in. pots, **$3.00** per 100 from 3-in. pots.

	2-in. Per 100	Per 1000	3-in. Per 100
APPLE GERANIUMS	$2.00		$4.00
ALTERNANTHERA, Red and Yellow	2.00	$18.50	
ALYSSUM, Dwarf and Giant Double	2.00	18.50	3.00
COLEUS, Golden Bedder and Verschaffeltii	2.00	18.50	3.00
GERMAN, or PARLOR IVY	2.00		
GERANIUMS, Standard Varieties	2.00	18.50	3.00
GERANIUMS, Ivy-Leaved	2.00	18.50	
FUCHSIAS, Six Varieties	2.00	18.50	3.00
LANTANAS, Five Varieties	2.00	18.50	3.00
LEMON VERBENAS, Aloysia Citriodora	2.00	18.50	3.00
PETUNIAS, Double Mixed Colors	2.00	18.50	3.00
PETUNIAS, Dreer's Superb Single	2.00	18.50	3.00
VERBENAS, Red, White, Pink and Purple	2.00	18.50	3.00
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CANNAS. We have a surplus of the following in good strong select divisions: Jean Tissot, Buttercup, Egandale, Pres. Myers, Louisiana, Alph. Bouvier, Pennsylvania, Florence Vaughan, at $2.00 per 100, $12.00 per 1000; for immediate shipment.

DAHLIA ROOTS, 5000 Mixed to Color, $4.00 per 100, $35.00 per 1000.

DAHLIA ROOTS, Jack Rose, Ethel Schmidt, Sensation, Fringed 20th Century, Fringed Beauty, Gladys, Rose Pink Century, Big Chief, at $3.50 per dozen, $25.00 per 100.

Cash with order. Visitors always welcome.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

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BEGONIA, Tuberous-Rooted

	Doz.	100
Single White	$0.50	$2.50
Red	.50	2.50
Rose	.50	2.50
Yellow	.50	2.50
Orange	.50	2.50
Mixed colors	.40	2.25
Double colors, separate or mixed	.60	4.00

CALADIUM ESCULENTUM

Medium	1.00	8.00
Large	1.25	10.00

CINNAMON VINE

Extra Large roots	.35	2.00

GLADIOLUS

	Per 100	1000
America. Soft flesh-pink	$6.00	
Augusta. Lovely pure white, with blue anthers	2.50	$20.00
May. A lovely pure white flower, finely flaked bright rosy crimson	2.50	20.00
Red and Scarlet, mixed	1.25	10.00
White and Light	2.00	18.00
Pink, mixed	1.75	15.00
Yellow and Orange, mixed	3.50	30.00
Striped and Variegated, mixed	2.50	20.00
Fine mixed, all colors	1.00	8.00
Lemoine's Hybrids, mixed. First size	1.75	15.00

GLOXINIAS

	Doz.	100
Mixed	$0.50	$3.50
Separate Colors	.50	3.50

DAHLIAS

Double Large-flowering and Cactus, leading varieties, mixed	1.00	6.00

LILIES

Auratum ..Per 1000, $72.50	1.25	8.00
Speciosum, Album	1.25	9.00
Rubrum or Roseum	1.25	8.25

MADEIRA VINE

Extra Strong Roots	.30	2.00

TUBEROSES

Dwarf Double Pearl (Excelsior) 4x6 in....1000, $8.00		1.00

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42 Vesey Street, NEW YORK

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New Double Lobelia

"KATHLEEN MALLARD"

We can furnish excellent plants of this splendid novelty in 2½-inch pots, at $6.00 per 100, or $50.00 per 1000.

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QUEEN OF THE MARKET ASTER

This is the best early out-of-door Aster. In colors as follows: Dark Blue, Light Blue, White, Rose, Peach Blossom, Crimson, per ¼ oz., 20c.; per oz., 60c. All colors mixed, per ¼ oz., 15c.; per oz., 50c.

RAWSON'S NEW MIDSUMMER ASTER

This is one of the best Asters for Midsummer or late crop and we recommend it highly. Flowers are large and are borne on erect long stems, often 2 feet in length. We offer the following colors: Pure White, Delicate Shell-Pink, Royal Purple, True Lavender, and Bright Rose, per ¼ oz., 60c.; per oz., $2.00. All colors mixed, per ¼ oz., 50c.; per oz., $1.50.

RAWSON'S LATE BRANCHING ASTER

This is the best American Branching Aster grown to-day. It is a late cropper and a money-maker. Flowers grown from our seed invariably bring from ½ to 1c. a flower more in the wholesale market than other similar strains. We can furnish the following separate colors: Crimson, Dark Blue, Light Blue, Rose Pink, Shell-Pink, Scarlet, and White, per ¼ oz., 30c.; per oz., $1.00. All colors mixed, per ¼ oz., 25c.; per oz., 75c.

We have many other good strains of Asters and specialties for Florists all described in our special catalogue to florists (mailed free).

W. W. RAWSON & CO., SEEDSMEN BOSTON, MASS.

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Special Gladiolus Offer

AMERICA

A few points of merit—Color: A beautiful soft flesh pink, very light and much like "Enchantress" Carnation, except slightly tinged with lavender. Size: growth very strong and healthy, producing beautiful dark green foliage, and strong, erect spikes of the largest flowers. Purposes: For florists' use its color makes it everything to be desired; delicate, attractive and absolutely new. It is most desirable for planting in beds in parks, private estates, etc.

AMERICA. The best commercial pink in existence. 1st size bulbs, 100, $4; 1000, $30; 5000, $125.

ATTRACTION. Deep, dark, rich crimson with a very conspicuous large pure white center and throat. At once a most beautiful and attractive sort. 100, $4.00; 1000, $35.00.

AUGUSTA. Lovely pure white with blue anthers. 1½ to 2½ inches. 100, $2.25; 1000, $20; 5000, $90.

BLUE JAY (Baron Hulot). The finest blue Gladiolus yet seen. It is a rich deep color of indigo shade. The only real blue Gladiolus on the market. 100, $9.00; 1000, $75.00.

BRENCHLEYENSIS. Extra fine red variety. 1½ to 2½ inches. 100, $1.50; 1000, $12.00; 5000 $55.00.

COLUMBIA. Light orange scarlet, freely blotched and penciled with bluish-purple. Throat freely mottled. 100, $2.00; 1000, $15.00; 5000, $70.

CERES. Pure white, spotted with purplish rose. 100, $1.50; 1000, $12.00; 5000, $55.00.

MAY. A lovely pure white flower, finely flaked, bright rosy crimson. 100, $2.00; 1000, $15.00; 5000, $70.00.

NEZINSCOTT. Bright blood scarlet, with deep velvety crimson black blotches, and white mottlings in throat. 100, $4.00; 1000, $30.00; 5000, $145.00.

PRINCEPS. Rich crimson with very deep shadings in the throat and broad blotches on lower petals. 100, $10.00.

SALEM. Fine salmon-pink, maroon blotches. 100, $6.00; 1000, $40.00.

Gladiolus America

SULPHUR KING. The finest yellow Gladiolus. 100, $15.00; 1000, $140.00.

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	100	1000	5000
Trial Grounds Mixture	$1.50	$10.00	$45.00
Groff's Hybrids Mixture	1.50	12.00	58.00
White and Light Mixture	1.50	12.00	58.00
Pink and Rose Mixture	1.50	12.00	58.00
Red and Scarlet Mixture	1.50	12.00	58.00
Lemoine's Extra Fine Mixture	1.00	10.00	45.00
American Hybrids Mixture	1.00	8.00	35.00
Childsii Mixture	1.50	12.00	58.00

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Asters are our specialties, and great care is taken to have only the best and those that will give the greatest satisfaction. We have been very highly complimented on the choiceness of our strains.

ASTER. Queen of the Market. This is the earliest of all, fully three weeks earlier than other Asters. Selected stock.

	Tr. pkt.	¼ oz.	Oz.
White	$0.10	$0.15	$0.50
Crimson	.10	.15	.50
Rose	.10	.15	.50
Light blue	.10	.15	.50
Dark blue	.10	.15	.50
Flesh color	.10	.15	.50
Lilac red	.10	.15	.50
Mixed	.10	.15	.40

ASTER. S. & W. Co.'s Selected Late Branching. One of the best branching Asters for cut flowers. Our strain of this splendid Aster is grown specially for us, with the greatest care.

	Tr. pkt.	¼ oz.	Oz.
Pure white	$0.20	$0.30	$1.00
Lavender	.20	.30	1.00
Purple	.20	.30	1.00
Crimson	.20	.30	1.00
Shell pink	.20	.30	1.00
Rose	.20	.30	1.00
Carmine	.20	.30	1.00
Mixed	.10	.20	.75

ASTER. Hohenzollern. Excellent robust new class, with enormous flowers, superb for cutting and exhibiting; flowers often measuring 6 to 8 inches in diameter.

	Tr. pkt.	¼ oz.	Oz.
White	$0.25	$0.75	$2.00
Rose	.25	.75	2.00
Dark blue	.25	.75	2.00
Crown Prince	.25	.90	3.00
Syringa blue	.50	1.50	5.00
Mixed	.25	.75	2.00

ASTER. Purity. One of the finest white Asters grown, either for pots or cutting. Trade pkt. 25c., ¼ oz. 75c., oz. $2.50.

ASTER. Daybreak. Counterpart to Purity, with a fine rose color similar to Daybreak Carnation; very fine. Trade pkt. 25c., ¼ oz. 75c., oz. $2.50.

ASTER. Giant Comet.

	Tr. pkt.	¼ oz.	Oz.
Pure white	$0.25	$0.75	$2.00
Dark blue	.25	.75	2.00
Light rose	.25	.75	2.00
Mixed	.20	.60	1.75

ASTER. Hercules. White. Remarkable new introduction, semi-dwarf, huge pure white flowers of most reflued shape; the best white flowering Aster we have ever seen. Pkt. 25c., ⅛ oz. $1.00, ¼ oz. $3.50, oz. $7.00.

ASTER. Splendor. Upright flesh pink. In this variety we have one of great value. It has many qualities which commend it highly, not only in the habit of growth, but in size, form of flower, and in color, which is one of the most desirable in an Aster, being of a beautiful light flesh pink, a shade which can be used in nearly all floral work. The plant has the ideal habit of an upright growing sort. Pkt. 25c., ¼ oz. $1.75, oz. $5.00.

ASTER. Vick's Violet King. The peer of the grandest Chrysanthemum. The habit is similar to the popular Vick's Branching, vigorous in growth, long, stiff stems; petals somewhat resemble the quilled varieties but much larger and broader, completely covering the crown. In shape and size the bloom is round, full and large, many of the flowers 4 to 5 inches. Its color is a soft violet-lilac. Trade pkt. 25c., oz. $1.50.

Stumpp & Walter Co. 50 Barclay St. NEW YORK

Please mention the Exchange when writing.

The Place to Buy Summer-Flowering Bulbs

Chinese Peonies

Exceptionally Fine Roots, 2 to 7 Eyes.

	Doz.	100
Double White	$1.50	$7.00
Double Pink	1.25	6.00
Double Red	1.25	6.00
Double Mixed	1.00	6.00

Elephant's Ears

(Caladiums)

	Per 100	1000
Size 5 to 7 inches	$2.00	$17.00
Size 7 to 9 inches	3.00	28.50
Size 9 to 11 inches	6.00	55.00
Size 12 inches up	15.00	

MADEIRA VINE, per 100, $1.25, per 1000 $10.00.

CINNAMON VINE, per 100 $2.50.

Gladioli

	Doz.	100	1000
Scarlet and Crimson	$0.20	$1.00	$9.00
White and Light, shades mixed	.25	1.75	15.00
Yellow and Orange	.40	3.00	28.00
Striped and Variegated	.30	2.00	19.00
Pink and Rose, shades mxd.	.25	1.50	12.00
New Giant (Childsii), mxd.	.30	2.00	18.00
Lemoine's Hybrid, mixed	.25	1.50	12.00
Groff's Hybrids, extra fine mixed	.25	1.50	14.00
Johnson's Prize Winner Mixture, No. 1	.25	1.25	10.00
Johnson's Prize Winner Mixture, No. 2	.20	1.00	8.00
Fine Mixed	.15	.80	6.00

Oxalis

	Per 100	1000
Oxalis, Pink	$0.30	$2.75
Oxalis, White	.30	2.75
Oxalis, Mixed	.25	2.00

Hardy Lilies

	Doz.	100
Auratum, 8 to 9 inches	$0.80	$6.25
9 to 11 inches	1.35	9.00
Album, Pure white, 8 to 9 inches	1.10	7.25
9 to 11 inches	1.75	12.00
Rubrum or Roseum, 8 to 9 inches	.80	5.25
9 to 11 inches	1.25	8.00
Melpomene, 8 to 9 inches	.90	6.00
9 to 11 inches	1.25	8.00
Tigrinum Simplex, Single Tiger Lily	.50	2.75
Tigrinum Splendens, Improved Single Tiger Lily	.50	2.75
Tigrinum fl. pl. Double Tiger Lily	.75	4.00

Tuberoses

	Per 100	1000
Excelsior Pearl, No. 1	$1.00	$7.00
Excelsior Pearl, No. 2	.60	4.00

Our Wholesale Bulb List will be mailed on request

JOHNSON SEED COMPANY, 217 Market St., Philadelphia, Pa.

Please mention the Exchange when writing.

"Horseshoe Brand" Products

"NOT HOW CHEAP— BUT HOW GOOD"

The reputation of a grower is made by the quality of the flowers he markets. A good reputation is invaluable to a successful grower. Market returns are influenced by reputation. Any man with ordinary common sense knows that bulbs of good value are not cheap. That's why Horseshoe Brand Lily Bulbs are not the cheapest. They are good though and worth the money and then some. They are produced from the choicest seed-bulbs in the world and will average better per thousand bulbs than any other brand on the market. Write us or call.

RALPH M. WARD & CO.

12 West Broadway—New York

Please mention the Exchange when writing.

Seasonable Seeds

CALADIUM esculentum, Fancy Caladium from Brazil. GLADIOLI, all sorts. Japan IRIS. Japan LILIES. Double-flowering CHERRIES for Easter. Send for our new Spring list. Ready by January 10.

H. H. BERGER & CO.

70 Warren St., New York City

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C. Trade Mark

American Spawn Co., St. Paul, Minn.

Please mention the Exchange when writing.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,

Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

Try The Following

CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
PANSY—"Burnett's Gorgeous Strain."
STOCKS—"Burnett's Perpetual White."
CAULIFLOWER—Burnett's Selected "Snowball."

Write for our Illustrated Catalogue

BURNETT BROS.,

Importers and Growers

72 Cortlandt St., New York City

Telephone 2223 Cortlandt

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

Surplus Peas and Beans

18 Bush. Peas, Telephone; Crop 1908.
4 Bush. Beans, Golden Wax; Crop 1908.
2 Bush. Beans, Wardwell's Kidney Wax; Crop 1908.
4 Bush. Beans, Refugee, or 1000 to 1; Crop 1908.
2 Bush. Beans, Wardwell's Kidney Wax; Crop 1909.
6 Bush. Beans, Detroit Wax; Crop 1909.
2 Bush. Beans, Ex. Ey. Rd. Pod Red Valentine; Crop 1909.
2 Bush. Beans, Refugee, or 1000 to 1; Crop 1909.
2 Bush. Beans, Burpee's Bush Limas; Crop 1909.

A. V. D. SNYDER, Seedsman, RIDGEWOOD, N. J

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

ONION SEED==ONION SETS

We are large growers of and dealers in Onion Seed and Onion Sets.

Write for prices on 1909 crop.

Can also quote contract prices for the 1910 Onion Seed crop.

SCHILDER BROS., Chillicothe, O.

Please mention the Exchange when writing.

FRESH TESTED

VEGETABLE AND FLOWER SEEDS for Store Trade

In lithographed packets, with directions for cultivation on the reverse side of the packet.

Send for list of varieties and prices.

GOELLER BROS., Seedsmen,

159 HAMILTON AVE., TRENTON, N. J.

Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO.

BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

Please mention the Exchange when writing.

GET QUOTATIONS FROM

LANDRETH SEEDS which SUCCEED

Bloomsdale Farms **Bristol, Pa.**

Please mention the Exchange when writing.

AMERICAN SEED TRADE ASSOCIATION

President J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec. Leonard H. Vaughan, Chicago.

IMPORTS, ETC.—March 8.—Guaranty Trust Co., of N. Y., 250 bags seed; J. M. Thorburn & Co., 4 barrels seed; Maltus & Ware, 17 packages seed; R. J. Goodwin & Sons, 22 bags seed; Kennedy & Moon, 70 bags seed; J. Mouchon, 10 barrels seed; G. W. Sheldon, 22 packages seeds; Tice & Lynch, 33 packages seed. March 9.—J. Dolhrs, 1 case bulbs; Irving National Exchange Bank, 600 bags seed; Maltus & Ware, 1 case garden seed. March 11.—Maltus & Ware, 2 cases live plants; F. B. Vandegrift & Co., 11 cases Palm seed; Vaughan's Seed Store, 7 cases plants. March 12-13.—American Express Co., 10 bags garden seed; Bridgeman's Seed Warehouse, 5 cases plants; W. Elliott & Sons, 32 cases plants; McHutchison & Co., 20 cases plants; F. B. Vandegrift & Co., 11 bags tree seeds. March 15.—H. G. Osterman, 2 cases plants; J. W. Hampton, Jr. & Co., 50 bags grass seed; McHutchison Co., 5 cases plants; G. W. Sheldon & Co., 19 cases plants; F. B. Vandegrift & Co., 31 cases plants; Wells, Fargo & Co., 9 boxes plants; H. M. Baker, 240 bags Clover seed.

ATLANTA, GA.—The McMillan Seed Co. has been incorporated with a capital stock of $6000. The incorporators are J. C. McMillan and C. L. Fain.

European Notes

February expired in a fit of hysterical weeping, having lived up to its "fill dyke" traditions for twenty-six of its twenty-eight days; the traces of the mischief it has wrought will be on view for many a day to come. Viewing the matter from the standpoint of the readers of these notes it has done more to upset and dislocate business than anything that has ever occurred before in the memory of the writer, and it is now too late for matters to be put right. Many tons of valuable seed have been so badly damaged as to be unsalable, and much of that which has been saved is so seriously weather stained that in an ordinary season we should be compelled to reject it. Fortunately the supply is so limited that

Orchid-Flowered Sweet Peas

DREER'S SWEET PEAS

We give below a short list of the best kinds for Florists' use. For complete list see our Wholesale Catalogue.

Orchid-flowered Varieties

	¼ lb.	Lb.
Countess Spencer (true). A lovely clear pink	$0.30	$1.00
Florence M. Spencer. Delicate blush with pink margin	.30	1.00
Frank Dolby. Largest pale lavender	.30	1.00
Gladys Unwin. Charming pale rose-pink	.10	.35
George Herbert. Rich rose carmine	.30	1.00
Mrs. Alfred Watkins. Superb pale pink	.15	.50
Nora Unwin. A magnificent white	.15	.50
Primrose Spencer. Primrose or creamy yellow	.15	.50
White Spencer. A pure white Countess Spencer of very large size	.15	.50

Standard Varieties

Blanche Ferry. Pink and white	.10	.20
Dorothy Eckford. The finest standard white	.10	.25
Earliest of All. Re-Selected. Same color as Blanche Ferry, but a week earlier than the extra early type, fine for forcing	.15	.50
Emily Henderson. Purest white	.10	.20
Flora Norton. The clearest and most pronounced bright blue	.10	.30
Hon. Mrs. E. Kenyon. The finest primrose yellow yet introduced	.10	.25
Janet Scott. A large and bright pink	.10	.25
Katherine Tracy. Brilliant pink	.10	.25
King Edward VII. Rich, deep crimson scarlet	.10	.25
Lady Grisel Hamilton. Pale lavender	.10	.25
Lord Nelson. Improvement on Navy Blue Color, rich navy blue	.10	.30
Lovely. Shell pink, extra fine	.10	.25
Miss Willmott. Rich, deep orange pink	.10	.25
Mont Blanc. An early-flowering white, for forcing	.10	.35
Mrs. George Higginson, Jr. Clear azure blue	.10	.25
Mrs. Walter Wright. Deep mauve	.10	.35
Othello. Dark chocolate red	.10	.25
Prima Donna. Deep pink, fine	.10	.25
Prince of Wales. Deep rose	.10	.25
Salopian. Rich deep scarlet	.10	.25

HENRY A. DREER, Seeds, Plants and Bulbs **Philadelphia**

Please mention the Exchange when writing.

Direct Importations

AT FOREIGN GROWERS' PRICES

From BELGIUM **From HOLLAND** Palms, Araucarias, Bay Trees, Azalea Indica, etc. Boxwood, Rhododendrons, pot grown Shrubs for forcing, etc., etc.

From GERMANY Valley Pips. Early or late forcing.

From ENGLAND English Marietti selected for grafting.

From JAPAN Lilium Longiflorum Giganteum, Multiflorum, etc.

Full list of Japanese, Holland, English and French Nursery Stock

Write for catalogues, special lists, etc., mentioning the class of stock you are interested in.

RAFFIA 5 grades. Bale lots only.

Our business is import and wholesale only. Don't write unless you use sufficient to make direct separate importations

McHUTCHISON & CO.

17 MURRAY STREET Please mention the Exchange when writing. **NEW YORK**

Please mention the Exchange when writing.

SEEDS Best that grow. We sell direct to gardeners and florists at wholesale. Big beautiful catalogue free. Write today.

ARCHIAS' SEED STORE. Box 51, SEDALIA, MO.

Please mention the Exchange when writing.

PALM SEEDS

KENTIA SEED Per S. S. Australia, to arrive this month, also other Palm Seed for immediate delivery.

	Per 100	1 000	10,000
Kentia Forsteriana	$0 50	$4 50	$40 00
" Belmoreana	50	4 00	37 50
Cocos Weddelliana	1 00	7 50	70 00
Areca lutescens	1 00	7 50	70 00
Latania Borbonica	30	2 50	20 00

	Per 100	1 000	10,000
Livistona rotundifolia	$2 00	$17 50	
" " Chinensis	1 00	7 50	$70 00
Phoenix Canariensis	30	3 00	27 50
Phoenix Roebelinii	1 00	7 50	
Musa Ensete	1 00	7 50	

PRICES UPON LARGER QUANTITIES UPON APPLICATION

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., N. Y. City

Please mention the Exchange when writing.

Thorburn's Seeds

HIGHEST GRADE ONLY

Send for special wholesale catalogue for Market Gardeners and Florists

J. M. THORBURN & CO., 33 Barclay St. New York

Please mention the Exchange when writing.

Stock Seed

Fiske's Branching in all colors. Tr. pkt. 40c., oz. $4 00.

Pure White, tr. pkt 50c., oz. $5.00.

Also **Beauty of Nice** strains.

H. E. FISKE SEED CO., Boston, Mass.

Please mention the Exchange when writing.

A Practical Guide to the Cultivation and propagation of hardy, greenhouse and tuberous-rooted plants, including lists of all the genera, species and varieties worth growing. Price, postpaid, $1.25. Address, FLORISTS' EXCHANGE, 2 to 8 Duane st., New York.

J. BOLGIANO & SON

WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS

BALTIMORE, MD.

Please mention the Exchange when writing.

British seed trade is thoroughly in earnest in their determination to put a stop to the time honored but detestable system of bribery which degrades giver and receiver alike. The evidence disclosed thus far is very unpleasant reading, but it is no worse than what has been known to exist for many years past. Either fear of the consequences or a growing spirit of honesty is operative just now, for a well known retail seedsman told the writer quite recently that since the passing of the Act named above his expenses in "recognizing the skill of the gardener" were not more than 10 per cent. of what they had been before the Act came into force.

The severity of present day competition makes it necessary for the honest dealer to curtail his out of pocket expenses in every legitimate way.

EUROPEAN SEEDS.

American Notes

A Very Busy Period

One of the busiest periods of the entire seed selling season is always the fortnight preceding Easter; for the reason that, besides the activity of filling the daily increasing seed orders in all departments almost every seedsman, to a more or less degree, makes a specialty of handling a stock of decorative and flowering plants at this particular time, even if he does not do so at any other season of the year. Even those seedsmen who are opposed to handling anything outside of seeds proper find themselves accepting orders for Easter plants—it would seem to be almost impossible not to do so. On the other hand, those houses who, in addition to seeds, habitually carry plants make an especial effort to secure all the trade possible in this line at Easter. The natural result is that between seed selling and plant distribution the days could not well be busier. Immediate seed selling during the past week has been very steadily active; almost everywhere, orders are gradually beginning to be received in such volumes that they cannot be at once executed, even with night work, and this state of affairs will continue until well into May; there will be no let up again to the rush of seed orders this season. Sales of nursery stock are reported by many seedsmen and from various sections to be far ahead of those of previous years; those of the trade who have extensively catalogued this department are much pleased with the results that are being obtained. Altogether, conditions have shaped themselved most propitiously for so early in the season.

The National Sweet Pea Society

The forming last year of the National Sweet Pea Society of America was an event of more importance than most of us realize. That this youngest of all our floral societies will prove a great success, and infuse ever increasing love and enthusiasm for the Sweet Pea there is not the shadow of a doubt; and it most certainly behooves every seedsman in this country to encourage the good work already so ably begun. Every seedsman in this country should see to it that he is enrolled as a member of this Society, either as an annual or life member, before the next annual exhibition, which will probably be held in early July. By becoming a member one is entitled to the annual report and all other interesting announcements that may be made from time to time, and, of course, to free access to all exhibitions. There is plenty of work for this Society to do, and the hearty and earnest support of all seedsmen is needed to accomplish the fullest success. Large as the sales of Sweet Pea seed will be this season, there is no doubt whatever in the minds of those who for the past decade have followed closely the wonderful yearly increasing enthusiasm for Sweet Peas that within a comparatively short time double the amount, or even more, of seed now sown of this superb annual will be needed to supply the demand. When it is considered that there are now listed in one form or another nearly six hundred named varieties of Sweet Peas, it will

it will not by any possibility be carried over.

Seed warehouses will be available for balls and other festivities when our season is finished, so that our friends who care to "trip it on the light fantastic toe" can come along in their thousands.

The month of March has thus far brought us a welcome message of peace and brightness; a glorious burst of sunshine ushered it in and during the first five days not a drop of rain has fallen. The Mi-Carême in Paris on March 3 was celebrated in a day of glorious sunshine and cloudless blue, and even in murky old London nine hours of bright sunshine and a maximum solar temperature of 89° Fahr. were registered.

A light frost every night helps to keep in check vegetation which is bursting into life too rapidly and is at the same time helping to prepare a seed bed for our Spring sowings. Trade is consequently very brisk, even such sleepy articles as Clovers and Grasses coming in for a good share of attention.

Of course, it will be a long time before anything can be done with low lying lands, and unfortunately many of our plants are, or rather were, in those districts.

It is not very cheering to learn that Water Cress beds are covered with water to the depth of one metre, but it is a veritable disaster to learn that plants of Crosby's Egyptian and Detroit Beet are in the same position.

One of the most agreeable effects of the five days' sunshine is that Spinach and Radish growers are in a slightly more tractable mood, and it now appears that we shall be able to place our contracts, at any rate for the latter article, although at a considerable advance in price. The same conditions are reported from Holland, where the competition of the Sugar-Beet factories is very severe this season. Prices for the latter article have risen again and it is a highly profitable crop, which is more than can be said of Spinach growing, at the cut throat prices which have prevailed in Holland for several years past. Radish shall be more fully reported upon next week.

The prosecution of the firm of Cutbush & Son of London under the "Corrupt Practices Act" seems to indicate that the

XXX STOCK

LOBELIA Mallard, the new double blue, XXX fine, $2.00 per 100.
AGERATUM Princess Pauline, very fine and strong, $2.50 per 100.
VERBENA California Giant, strong and fine, mixed colors, 2-in., $1.50 per 100.
HELIOTROPE, dark, extra strong and bushy, 2½-in., $4.00 per 100.
NASTURTIUMS, Double, extra fine, 3-in., 50c. per doz.

XXX SEEDS

GIANT PANSY, finest grown, critically selected 6000 seeds $1.00, ½ pkt. 50c., oz. $2.50.
CHINESE PRIMROSE, finest grown, single and double, 500 seeds $1.00, ½ pkt. 50c.
PRIMULA Kewensis, the grand, new, sweet-scented, Yellow Primrose, pkt. 20c.
CINERARIA, large flowering dwarf mixed, 1000 seeds 50c., ½ pkt. 25c.

CASH. Liberal extra count.

JOHN F. RUPP, Shiremanstown, Pa.
RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

SPRING BULBS

Tuberoses

EXCELSIOR PEARL—

	Per 100	1000
Monsters	$1.25	$12.00
No. 1, large	.90	8.00
No. 2	.60	5.50

Tuberous Begonias

	Per doz.	100	1000
Single Mixed	$0.30	$2.25	$22.00
Separate Colors	.35	2.50	23.00
Double Mixed	.50	4.00	37.00
Separate Colors	.60	4.25	38.00

Gladiolus

FLORACROFT MIXTURE—

	Per 100	1000
No. 1	$1.50	$10.00
No. 2	1.00	7.50

STOKES' SEED STORE
219 Market St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

CABBAGE

Wakefield and **Succession**, $1.50 per 1000.
BEET Plants, $1.25 per 1000.
PARSLEY, 25c. per 100, $1.25 per 1000.
LETTUCE, Big Boston, Boston Market and **Grand Rapids**, $1.00 per 1000.
Cash with order.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

Please mention the Exchange when writing.

CAULIFLOWER SEED
CABBAGE SEED

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

SWEET-PEAS

Special offer of leading varieties for Florists.

	Lb.
Blanche Ferry. Extra early, pink and white	$0.25
Countess of Radnor. Lavender	.25
Countess Spencer. Giant flowering pink	.70
Dorothy Eckford. The best white of the standard vars.	.25
Duke of Westminster. Clear purple	.25
Gladys Unwin. Giant fig., soft pink	.40
King Edward VII. The best red variety	.25
Lady Grisel Hamilton. The best Lavender var.	.25
Primrose Spencer. Primrose yellow	1.00
Salopian. (Sun proof) scarlet, very large	.25

WEEBER & DON, SEED MERCHANTS and GROWERS
114 Chambers St., New York

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

be realized how essential it is that some official source keep a record and authorize the introduction of new varieties. This will be but part of the work of the Society, which organization for a long time has been very much needed in this country.

Salamander Lettuce

Those dealers in seeds who do not wish to carry a full line of the innumerable varieties the list of sorts of so many vegetables present, and especially in Lettuces, will do well to bear in mind the general value of the Salamander Lettuce. This splendid variety is equally good for early or late plantings. Of course, all Lettuces do their best before the severe Summer heat comes on, but this sort will withstand a great amount of heat without burning, and is also very slow to run to seed. It forms a large, good, solid head, creamy-white inside, and of the finest buttery flavor. Taken all in all, if one were only going to carry in stock one variety of Lettuce it would be indeed difficult to find a sort that for all purposes would please customers better than the Salamander.

The Help Problem

From the number of letters and inquiries the writer has recently received, regarding the matter of securing competent people to assist in seed stores during the busy season, it is very evident that never before was there a stronger demand for good seedsmen than at the present time. Of course, to hire help in any line for a short period is always a more or less difficult matter; but in the seed business, a seedsman very strongly objects to any engagement, except by the year, as there is in reality only one busy season and naturally it must be considered by both employer and employee as part of the entire twelve months work, and not to be separated from it. It is a serious mistake to wait until so late in the season when help is known to be surely needed; as most seedsmen contemplating a change of employers make such change around the first of the year.

V.

New York Seed Trade

The weather is slowly but surely getting more Spring-like and with the pleasant days counter trade is rapidly assuming very large proportions. That it is going to be a great season there is now no possibility of a doubt. The only question will be how to get seeds enough to supply the demand which is already here.

At Vaughan's Seed Store the staff is very busy and they certainly should be, as their location, corner of Church st. is ideal for retail counter trade. This week a very attractive display of lawn grass seed and bulbs fills the spacious windows.

C. McTaggart, at his new store, 123 Warren st., is much pleased the way retail business is starting, but finds that the sales of bulbs are particularly active this week. Mr. McTaggart wishes to express his thanks for the generous response of his friends at his opening last week.

Rickards Bros. have been having unusually large sales of lawn grass seed and other Grasses and Clovers.

At Boddington's business has started in earnest. The shipment of hardy Roses is just beginning. The sales of Cannas by the house have been enormous; in fact, up to the present time almost a half million roots have been sold.

Burnett Bros. report that the inquiries for seed catalogs have never been larger with them than this season. Their retail trade is starting very early.

W. E. Marshall & Co. will, as usual, have a choice assortment of plants for Easter sales.

Weeber & Don find the orders for Sweet Peas coming in much larger volume than usual.

The help question with all our seedsmen is a most annoying one this season. It may be said, without referring to any house in particular, that everyone is shorthanded; that is, they seem shorthanded when the splendid amount of orders that are daily increasing are to be taken into account. There is certainly a field here for any good seedsmen who wish positions, for the season anyway.

William Elliott & Sons held their first auction sale of the season last Tuesday and were much pleased with the results obtained. Not only were the prices good but stock sold rapidly. The attendance was large, and this line of business has certainly started with a rush.

The Fruit Auction Co. also held its initial auction sale of the season last Tuesday, and at 10.30 a.m., when Mr. Cleary started the sale a very large number of buyers were in attendance, eager to purchase the fine stock of Roses, Rhododendrons, shrubs and vines that were offered. A feature of the sales of the Fruit Auction Co. is the unique sales-sheet they publish. It is on the same plan as the one used in their sales of fruit and is a great help to the buyers. Future auctions will be announced from time to time and a most satisfactory season is looked for.

T. Mellstrom, representative for Sander & Sons, St. Albans, England, returned last Saturday on the Cunarder Campania from a six weeks' trip to the home office. We were favored with a call from him and he is most enthusiastic over the outlook for a satisfactory selling season. His house, has as usual, a very fine lot of everything in Orchids.

Philadelphia Seed Trade

Considerable activity is noticeable in all departments of the seed business, and much difficulty is experienced in securing help of the proper kind to take care of the great inrush of orders.

Mail orders have been particularly heavy the past few days, which is very gratifying, especially when one considers the turbulent state of affairs as published in the daily press, in connection with the car men's strike. But the outlook is good, and the situation is well in hand.

A visit to the Burpee establishment is convincing proof that more space is needed, and alterations will soon be started, the result of which will place the seed house in a position second to none. Glancing at the bulk of the day's mail, Mr. Burpee drew the writer's attention to the many orders received without the name or address of sender, thoughtless people who would soon be sending in a vigorous kick but for the system in use, whereby each order is satisfactorily placed. This week the firm shipped a large order of assorted garden seeds to Buenos Ayres, packed in bags suitable for such a trip. These precautions have been found very necessary to protect the germinating qualities of all seeds travel-

ASTER SEED

SMITH'S PEERLESS
The Best White Aster

IN making this statement we have given full consideration to the best varieties, having them all. It is unquestionably the most double and perfect of any of the ate branching varieties. See testimonials from those who grew it last year, page 23 of our Catalogue.

THE BEST IS THE CHEAPEST

Price:—Per oz., $8.00; ¼ oz., $2.50; 1-16 oz., 75c.; trade packet, 15 grains, approximately 450 seeds, 50c.; retail packets, 100 seeds, 25c.

We have the best standard sorts of Aster seeds, our own growing, at moderate prices and of unsurpassed quality, both as to germination and perfection of bloom.

Aster Seed Should be Sown Without Delay

SEND FOR CATALOGUE

Chrysanthemums for Every Purpose

Elmer D. Smith & Co. Adrian, Mich.

Please mention the Exchange when writing.

EVERY FLORIST WHO GROWS ASTERS

Should Send for Our Aster Book Immediately

Get your name on our files for our regular **Florists' Wholesale Catalogue.** These books are free.

JAMES VICK'S SONS
ROCHESTER, N. Y.
Mention this paper

Please mention the Exchange when writing.

Famous Aster Lady Roosevelt

Gorgeous Pink, 20 to 40 inch stems, scientifically grown and separated seed. Reduced prices while the stock lasts, order today: ⅛ oz. 40c., ¼ oz. 75c., ½ oz. $1.50, 1 oz. $2.50.
Aster Seed in mixture, best colors, and ¼ Roosevelt. Oz. $1.00.

GLEN MAWR SEED FARMS, Kinzers, Pa.

Please mention the Exchange when writing.

Aster Lady Roosevelt

Late, Longest Stem, Rich Pink. Sow end of April. Trade packet, selected stock, **50c.**; good stock, **30c.** Write for prices in quantity. Tested seed.

JAS. MACFARLANE, Staatsburg-on-Hudson, N.Y.

Please mention the Exchange when writing.

THE AMERICAN CARNATION
Price $3.50
A.T. DE LA MARE PTG & PUB CO. LTD

F. E.—Best Advertising Medium

Michell's Improved Semple's Branching Aster

Our Complete Wholesale Catalogue of Seeds, Bulbs, Plants and Florists' Supplies, sent free on application.

Michell's Reliable Seeds

ASTERS

IMPROVED SEMPLE'S BRANCHING (Michell's). An improved strain which has been obtained by years of careful selection.

	Tr. pkt.	Oz.
Lavender	$0.40	$1.50
Rose Pink	.40	1.50
Shell Pink	.40	1.50
Purple	.40	1.50
Crimson	.40	1.50
White	.40	1.50
Choice Mixed	.40	1.50

INVINCIBLE. A superior strain of great value to the florists for cutting; plants of branching habit; flowers of large size and perfectly double.

	Tr. pkt.	Oz.
Crimson	$0.30	$1.50
Lavender	.30	1.50
Rose Pink	.30	1.50
White	.30	1.50
Mixed	.30	1.25

QUEEN OF THE MARKET (Extra Early). A well-known and desirable florists' variety.

	Tr. pkt.	Oz.
Dark Blue	$0.20	$0.60
Crimson	.20	.60
Light Blue	.20	.60
Rose Pink	.20	.60
Blush Pink	.20	.60
White	.20	.60
Mixed	.20	.60

LAVENDER DAYBREAK. Lavender. In habit of growth and form of flowers, this variety is identical with the Pink Daybreak. Trade pkt. 40c., oz. $3.00.

LAVENDER GEM. Lavender. An excellent variety of the Comet type, with large, perfectly double flowers. Trade pkt. 40c., oz. $2.25.

NASTURTIUMS

DWARF, OR TOM THUMB

	Oz.	¼ lb.	Lb.
Empress of India. Deep crimson	$0.10	$0.20	$0.60
King of Tom Thumbs. Scarlet	.10	.20	.60
King Theodore. Dark foliage, flowers almost black.	.10	20	.60
Lilliput. Very Dwarf. Mixed.	.10	.20	.60
Michell's Fancy Giant Mixed	.15	.30	.75
Choice Mixed	.10	.16	.40
TALL, OR CLIMBING			
Michell's Fancy Giant	.15	.30	.75
Choice Mixed	.10	.16	.35

SWEET PEAS

ORCHID-FLOWERED VARIETIES

	Oz.	¼ lb.	Lb.
Countess Spencer. Bright pink	$0.10	$0.30	$1.00
Florence Morse Spencer. Light pink, edged with darker pink	.15	.50	1.50
Frank Dolby. Pale lavender	.20	.60	2.00
Glady's Unwin. Rosy pink	.10	.20	.50
Mrs. Alfred Watkins. Pale pink	.10	.20	.60
Nora Unwin. Giant-flowering white	.10	.30	1.00
STANDARD VARIETIES			
Blanche Ferry. Pink and white	.05	.10	.25
Blanche Ferry (Extra Early)	.05	.10	.25
Dorothy Eckford. Extra large, white	.05	.10	.30
Earliest of All. Pink and white	.05	.10	.30
Emily Henderson. White	.05	.10	.25
Katherine Tracy. Brilliant pink	.05	.10	.25
King Edward VII. Crimson scarlet	.05	.10	.35
Lady Grisel Hamilton. Pale lavender	.05	.10	.25
Lovely. Shell-pink	.06	.10	.25
Mont Blanc. Early, white	.05	.10	.35
Othello. Dark maroon	.05	.10	.25
Prima Donna. Soft pink	.05	.10	.25
Prince of Wales. Rose-crimson	.05	.10	.25
Salopian. Scarlet	.05	.10	.25

HENRY F. MICHELL CO., 10th and Market Streets PHILADELPHIA, PA.

Please mention the Exchange when writing.

CANNAS

F. O. B. New York or Chicago For Immediate Delivery

We are the largest handlers of Cannas in the world. Our prices upon Cannas will bear comparison with any house in the Canna business. **Stock Unequalled.**

RED-FLOWERING CANNAS

	100	1000
Louisiana, height 7 ft.	$1.75	$15.00
A. Bouvier, 5 ft.	1.50	14.00
Beaute Poitevine, 3½ ft.	2.00	17.50
Black Prince, 3 to 4 ft.	2.25	20.00
Chas. Henderson, 4 ft.	1.75	15.00
J. D. Eisele, 5 ft.	1.75	15.00
Exp. Crampbell, 5½ ft.	1.50	14.00
Pres. McKinley, 2½ to 3 ft.	1.50	14.00

RED, GOLD-EDGED AND SPOTTED SHADES

Gladiator, 4 ft.	2.75	25.00
Cinnabar, 4½ ft.	1.75	15.00
Indiana, 3 to 4 ft.	1.75	15.00
Queen Charlotte, 3½ ft.	2.25	20.00
Mad. Crozy, 5½ ft.	2.25	20.00
Premier, 2½ ft.	2.00	17.50
S. de A. Crozy	2.75	25.00

PINK SHADES

Louise, 6 ft.	2.00	17.50
Mlle. Berat, 4½ ft.	1.75	15.00

YELLOW SHADES

	100	1000
C. de Bouchard, 4½ ft.	$2.00	$17.50
L. E. Bailey, 4½ ft.	2.75	25.00
Richard Wallace, 4½ ft.	2.75	25.00

WHITE AND CREAM SHADES

Alsace, 3½ ft.	1.75	15.00

BRONZE-LEAVED, FLOWERING CANNAS

Brandywine, 4 to 6 ft.	2.00	17.50
Egandale, 4 ft.	1.50	14.00
King Humbert, 4 ft.	3.25	30.00
Musafolia, 5 ft.	2.75	25.00
Pillar of Fire, 6 to 7 ft.	2.25	20.00
Shenandoah, 6 ft.	1.75	15.00

ORCHID-FLOWERING CANNAS

Austria, 5 ft.	1.25	12.00
Italia, 4½ ft.	1.75	15.00
Kronue, 6 ft.	1.75	15.00
Mrs. Kate Gray, 6 ft.	1.75	15.00
Pennsylvania, 5 ft.	1.75	15.00
Wyomiog, 7 ft.	2.75	25.00

Our Cannas are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at 1000 rate. It is cheaper for you to buy a box than 200 at 100 rate.

Chicago and Western Agents for Our Cannas **Winterson's Seed Store**
45-47-49 Wabash Ave., CHICAGO, ILL.

ARTHUR T. BODDINGTON
SEEDSMAN
342 West 14th Street, NEW YORK CITY, N. Y.

Please mention the Exchange when writing.

Started Cannas At $2.00 per 100

Austria, Chas. Henderson, Mlle. Berat, Allemania, Cinnabar, Red Indian, Pennsylvania Beaute Poitevine, Egandale, Robusta, Florence Vaughan and A. Bouvier.

J. B. SHURTLEFF & SON
Revere, Mass.

Please mention the Exchange when writing.

ing by water. Sweet Pea are in nearly every order received, and this fact has been considerably helped along by the firm continuing its well known policy of furnishing "seeds that grow."

Henry A. Dreer's store window on Chestnut st. has been tastily arranged with many garden seeds. Baskets of seed Potatoes catch a visitor's eye on entering the door, and the continued activity in all lines of vegetable and flower seeds keeps all the help on the jump. Asparagus roots are being asked for quite frequently, while Aster seeds seem to be uppermost in the mind of nearly every customer.

Johnson's Seed Store has experienced a good run on Cycas and Tuberous Begonia bulbs. Poultry feed and supplies of all kinds are selling rapidly.

Henry F. Michell Co. reports unprecedented sales on its Giant Aster seeds. This house is also making big preparations for a heavy demand for lawn grass seed. The store window at 1018 Market st. was the object of much interest in the past few days, on account of a display of two of the silver cups which were awarded for some exhibits at the recent show in Horticultural Hall. All these stunts bring the store into the public view, and anything that tends to increase its popularity is gladly resorted to, whether by advertising or otherwise.

Wm. Hy. Maule, Philadelphia, Pa.

This well-known house is rapidly expanding its business in flower seeds and bulbs among florists all over the United States.

When looking through the 192-page Maule catalog, 1910 edition, a reader cannot help but wonder at the variety of seeds listed, nearly all of great value

CANNAS

Our own home-grown stock is true to name. Extra Selected, plump, sound, 2, 3, 4-eyed roots.

	Per 100		Per 100
Austria	$1.20	M. Washington	$2.25
Allemania	1.20	Mont Blanc	4 50
Alba Rosea	1.20	McKinley	1.40
Alph. Bouvier	1.60	Mrs. K. Gray	1.50
Alsace, white	1.50	Niagara	2.50
B. Poitevine	1.75	Papa Nardy	2.00
Buttercup, new	1.50	Pennsylvania	1.50
Black Prince	1.80	Premier, gold ed	1.75
Black Beauty	2.50	Pres. Meyers	2.00
Brandywine	2.00	Queen Charlotte	2.00
Chas. Henderson	1.50	R. Wallace	2.60
Crimson Bedder	2.00	So. d'A. Crozy	2.25
D. of Marlboro'	2.00	Shenandoah	1.75
Egandale	1.50	Sec. Chabanne	2.00
Express, dwarf	2.00	Venus, new	3.00
Flor. Vaughan	1.80	Wm. Saunders, new	10.00
Gladiator, new	2.25	West Grove	1.80
King Humbert	4.50	Wm. Boffinger	1.50
Louise, pink	1.80	Sep. colors mix.	1.00
Louisiana	1.50	All kinds mxd.	.70
Mad. Crozy	2.00		

CALADIUM Esculentum (Elephant's Ears).

	Doz.	100
6-8 in. circumference	$0.26	$1.75
8-10 in. circumference	.50	3.50
10-12 in. circumference	.75	6.50

TUBEROSES, Dwarf Pearl, 1st size, $7.50 per 1000, 80c. per 100; 2nd size, $4.50 per 1000.
GLADIOLUS Gandavensis, light shades, all colors mixed, 75c. per 100, $7.00 per 1000.
PANSY PLANTS, large, transplanted: Vaudier's Mammoth Bugnot, etc., including the new odorous strain **Orchideaeflora,** $3.00 per 1000; 2000 for $5.00.

SHELLROAD GREENHOUSES, Grange, Baltimore, Md.

Please mention the Exchange when writing.

CANNAS

KING HUMBERT, CHAS. HENDERSON, EX. CRAMPBELL, MAD. CROZY, ALPHONSE BOUVIER, MLLE. BERAT, FLORENCE VAUGHAN, SOUV. DE ANTOINE CROZY.

Write for special prices, stating quantity wanted.

FRESH TOBACCO STEMS. Bale of 300 lbs. $1.75; Ton $9.00.

W. C. BECKERT
SEEDSMAN
103 Federal St., N. S., Pittsburg

Please mention the Exchange when writing.

Vaughan's Spring Bulbs

TUBEROSES

	Per 100	Per 1000
Excelsior Pearl. First size	$1.00	$8.50
" " Mailing size	.50	3.50
Armstrong. Everblooming.	1 80	16.00
Variegated-Leaved	1.15	10.00
Albino	1 25	11.00

GLADIOLUS

	Per 100	Per 1000
America	$3.50	$30.00
Augusta	1.75	15.00
Brenchleyensis	1 45	10.00
Ceres	1.45	12.50
Eugene Scribe	3 50	
Emma Thursby	2.50	
Isaac Buchanan	4.00	
Jessie	1.75	14.50
Madam Monneret	2 25	20 00
May	1 75	14.00
Mrs. Francis King	3.00	28.00
Princeps	9.00	
Reine Blanche	2.50	
Shakespeare	4.25	40.00
Red and Scarlet Shades	1.30	11 00
Scarlet White Throat	2.00	18.00
Striped Shades	2.75	22.00
Pink Shades	1.50	13.00
Yellow Shades	3.50	

MIXTURES

	Per 100	Per 1000
Rainbow Mixtures	$2.75	$25.00
Vaughan's XXX Florist Mixture	1.75	15.00
Seeding Mixture	1 50	12.00
Extra Fine Mixed	2 00	18.00
Vaughan's Fancy Mixture	3.50	30 00
Childsii Mixed	2.00	18 00
Good Mixed	.85	7.00

NEW and RARE CALLAS

		Per doz.	Per 100
Elliottiana. Giant yellow		$2.00	$19 00
Cinnamon Vine.	Mailing size		2 00
	Large "		2.75
Chlidanthus Fragrans.			4 00

		Per doz.	Per 100
Mikado Fern Ball.	5 in.	$2.00	$15 00
	7/9	3.00	20.00

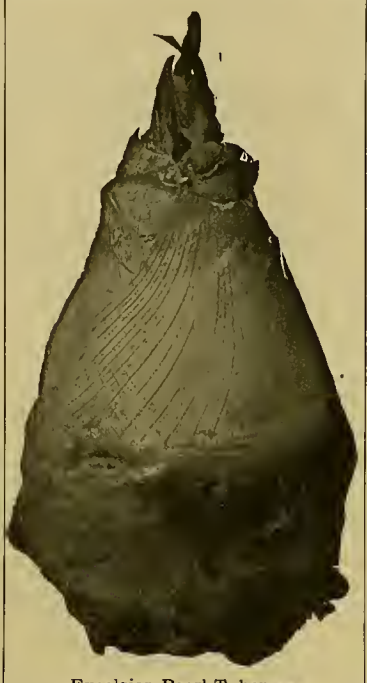
	Per 100	Per 1000
Madeira Vine.	$1.25	$10.000
Montbretias.	1.50	10.00

ROOTS

	Per doz.	Per 100	Per 1000
Dahlias. Assorted colors undivided clump	$1.25	$8 00	
Cannas Mixed		1.25	$8.00
Dielytra, Bleeding Heart.	1 00	7.00	
Valley Clumps	3.00	20.00	

GLOXINIAS

	Per 100	Per 1000
Separate Colors	$3.25	$30 00
Mixed Colors	2 85	26.00



Excelsior Pearl Tuberose

CALADIUMS

	Per 100	Per 1000
Size 5 to 7 inches	$2 00	$17.00
Size 7 to 9 inches	3.00	28.50
Size 9 to 11 inches	6.00	55 00
Size 12 inches up	14 00	

HARDY LILIES

	Per 100
Auratum. 8 to 9 inches	$5.25
9 to 11 inches	9 00
Album. Pure white, very fragrant, 8 to 9 inches	7.25
9 to 11 inches	12.00
Rubrum or Roseum. 8 to 9 inches	5 25
9 to 11 inches	8.00
Melpomene. 8 to 9 inches	6 00
9 to 11 inches	8.00
Canadense Drooping bell shaped, yellow flowers	4 50
Elegans. Bicolor	5.50
Superbum, Orange with purple spots	5 00
Tenuifolium. (Siberian Lily.) Flowers scarlet	5.50
Tigrinum Simplex. Single Tiger Lily	2.75
Tigrinum Splendens. Improved Single Tiger Lily	2.75
Tigrinum Fl. Pl. Double Tiger Lily	4.00
Umbellatum	5.50
Philippensis	15.00

AMARYLLIS

	Per doz.	Per 100
Belladonna Major	$1.50	$11.00
Burbank's Vittata Hybrids.	5.00	
Johnsonii. 7 to 9 inches	2 25	15.00
9 to 11 inches	3 00	20.00
Formosissima	.65	4.00

BEGONIAS

	Per 100	Per 1000
Single—White, Yellow, Scarlet, Pink	$2.50	$22.00
Double—White, Yellow, Scarlet, Pink	4.50	40 00

	Per doz.	Per 100
Cardinal	$2 00	$14 00
Lafayette	1.50	10 00
Graf Zeppelin	1.25	8.00
Cristata	1.50	10.00

OXALIS

	Per 100	Per 1000
Oxalis. Pink	$0.30	$2.75
Oxalis. White	.30	2 75
Oxalis. Red	.30	2.75
Resurrection Plants	3.00	25.00
Richardia Alba Maculata. Spotted Calla, choice stock	3.25	30.00

TIGRIDIAS

	Per doz.	Per 100
Conchiliora. Yellow spotted red	$0.45	$3.00
Grandiflora Alba. White with red spots	.45	3 00
Speciosa. Scarlet	.45	3.00
Canariensis. Yellow spotted scarlet	.45	3.00
Mixed Colors	.40	2.75

ZEPHYRANTHUS

	Per doz.	Per 100
Candida	$0.35	$2.00
Rosea	.40	2.50

We can supply Everything in Dormant Shrubbery, Roses and Hardy Perennials

Write for Special Prices on Large Quantities
Book for Florists, Spring Edition, now Ready

VAUGHAN'S SEED STORE

NEW YORK
25 Barclay St.

CHICAGO
84-86 Randolph St.

Please mention the Exchange when writing.

Gladioli

Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck, Pactole, white and light yellow and orange and Mixtures.

LILIES, IRIS, MADEIRA VINES, CINNAMON VINES and other bulbs for Spring planting.

Send for prices.

E. S. MILLER
WADING RIVER, LONG ISLAND, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

60,000 GLADIOLUS BULBS

¾ to 1¼ at $2.00 per 1000, 1¼ to 1½, $4.00 per 1000, 1½ and up, $5.00 per 1000. Mixed Colors Gandavensis and Lemoine. All kinds of Vegetable Plants. Contract growers of Tomato and Pepper Seed, and Asparagus Roots.

I. & J. L. LEONARD, Iona, N. J.

Please mention the Exchange when writing.

GLADIOLUS

ISAAC BUCHANAN. In sizes, No. 1, 2, 3, 4 and 5, at special prices, in lots of five to ten thousand, for cash with order. Also, No. 2 and 3. SILVER TROPHY and GROFF'S HYBRIDS, The John Fay Kennell stock.

Mrs. EMMA J. KENNELL,
CHILI, N. Y.

Please mention the Exchange when writing.

to the grower. To mention all the varieties would take up too much space, so that a general mention only is possible. The catalog contains, besides flower seeds, a complete list of vegetable seeds and agricultural implements, while the insides of the two covers show a collection of Sweet Peas and Pansies in colors. For many years past the house has made a specialty of Pansies for florists' use, so that now seeds of all the notable varieties—Maule's Giant Pansies—are so well known as to have become a byword, and their popularity has increased so that seed is grown by the hundredweight. Eros, Psyche, Adonis, Masterpiece, Raphael and many others of the Giant strain are seen in the markets and flower beds around Philadelphia in the Spring; the fact that the seed of these Pansies comes true to name is one of the great factors in the yearly sales. Over 35 varieties of Pansies are listed, all of which are suitable for many purposes. Petunia Ruffled Giants, and the double large flowering types are especially featured. Phlox Drummondii, Kochia or Summer Cypress—a plant rapidly becoming more and more popular as an annual hedge plant on account of its quick growth, easy culture and changeable colors in the Fall—Mignonette, Candytuft, Verbenas, Nasturtiums Nicotiana, Papaver, Portulaca and many other useful seeds of plants for florists' use are carried in stock. Sweet Peas also receive considerable attention and the list of varieties is quite extensive. Many of the Spencer types are handled, including White Spencer, Countess Spencer, King Edward and many others which form an array of Sweet Peas which, for all purposes, would be hard to beat. The firm has been for years perfecting a brand known as Maule's new large flowering Sweet Peas, which are grown quite extensively for the foliage, long stemmed flowers and pleasing colors. Tuberous rooted Begonias, Callas, Gloxinias and other bulbous stock are also described, while a complete list of the most popular hardy perennials is added, making the entire catalog very interesting.

It is pleasing to learn that within the past ten years the business of this house has increased from 5 to 15 per cent. each year, and with the energies put forth this season, a larger seed catalog, and more advertisements in different directions, there is no reason why Wm. Henry Maule should not increase his business at least 25 per cent. in all branches, and it will, we feel assured, repay the additional expenditure.

The Paris Floods

A Paris correspondent writes us: "In The Florists' Exchange of February 12, I read the following note from your English correspondent: 'All the buildings near the Seine are flooded, and as the majority of the principal seed firms are located near the Hotel de Ville, where the flood is at its worst, the losses will be enormous. Those acquainted with the sanitary conditions of some parts of Paris will not be surprised to learn that an outbreak of epidemic disease is feared.'

While it is true that the leading seed houses of Paris have their retail stores and offices not far from the Hôtel de Ville, yet the Quai de la Mégisserie, on which most of them are located, being banked up the river higher than most other similar thoroughfares, was never flooded and none of the seed firms doing business on it sustained any loss worth mentioning. The largest of these firms, Vilmorin, Andrieux & Co., had, at the worst time, 5 ft. of water—by infiltration—in their deep caves containing the engines supplying heat and light to the offices and retail store above.

Vilmorins, like all the other larger houses, have their storage buildings situated at other points, and had, therefore, no risks to run for the bulk of their stocks, even in the case of an inundation of the buildings on the Quai de la Mégisserie.

The material damages caused by the floods, on the whole, are considerable and the situation was bad enough in some of the low lying quarters near the river, without speaking of "enormous losses," where none of any great importance could be feared.

As regards sanitary conditions, notwithstanding the present unhealthy, wet, mild weather, which has now lasted for over six months, these conditions are in no way worse than in previous years, on the contrary; and we are not at all afraid of an outbreak of epidemic disease.

It is very unfortunate, that some daily newspapers, in order to be interesting, exaggerate matters and do their utmost to frighten people without reason.

I notice, by letters coming from your side, that Americans think that the whole of France (even the South, which has had a very dry Winter) has been overflooded and everything ruined.

The persistency of the rainy weather—probably unprecedented—might, however, in the end affect the outcome of some of our sed crops of 1910 around Paris and in western France. All will depend upon the weather we shall have during the next few weeks."

VIOLET CULTURE

Price, $1.50 Postpaid

A. T. De La Mare Ptg. & Pub Co., New York.

Jack Rose

Tempting Bargains in Dahlias

The following are the BEST in their color for Florists.

Jack Rose. Best crimson. Each 35c., 100 $25.00.

Ethel Schmidt. Variegated. Each 35c., 100 $25.00.

Sensation. New Pæony-flowered, Vermilion-scarlet, tipped pure white. Each 50c., 100 $35.00.

Gladys. The most exquisite of Century type, or giant single Dahlias. Each 50c., 100 $35.00.

Fringed 20th Century. New, like 20th Century, but larger and brighter, with stiff stems and cleft or fringed petals. Each 50c., 100 $35.00.

Virginia Maule. Shell pink. Each 35c., 100 $25.00.

Princess Victoria. Yellow. Each $1.00, 100 $75.00.

Big Chief. New pæony-flowered, bright crimson, enormous size, profuse. Each 35c., 100 $25.00.

Rose Pink Century. The best clear pink, immense size and long stiff stems. Each 35c., 100 $25.00.

Fringed Beauty. Another new fringed century. White suffused soft rosy lake. Delicate and chaste. Each 35c., 100 $25.00.

All strong field-grown clumps, absolutely true to name. Satisfaction assured.

10 clumps of each of above, 10 varieties, 100 in all for $35.00.
1 clump of each of above, 10 in all, by express for $4.00.

SPECIAL OFFERS FOR TRIAL LOTS

1 mailing size root of each of above, by mail prepaid, for $2.00.
1 root each of 10 best Standard Dahlias by mail prepaid, for $1.00.
100 clumps best Standard Cut-flower Dahlias, in 10 best varieties, by express or freight, for $6.00. Send for list.

PEACOCK DAHLIA FARMS, Williamstown Junction, N. J.
P. O. BERLIN, N. J.

Please mention the Exchange when writing.

WHOLESALE TRADE LIST

ASPARAGUS plumosus, 3-in. pots, $5.00 per 100.
ASPARAGUS Sprengeri, 2½-in. pots, $3.00 per 100.
CLEMATIS paniculata, 4-in. pots, $10.00 per 100.
CLEMATIS paniculata, 3-in. pots, $5.00 per 100.
CLEMATIS, 2 year old plants, dormant, $3.00 per dozen; colors, Purple, White and Pink.
DRACAENA indivisa, 4-in. pots, $10.00 per 100.
FEVERFEW, The Gem, 3-in. pots, $4.00 per 100.
DAISY PLANTS, White and Yellow, 3-in. pots, $6.00 per 100; 2½-in. pots, $3.00 per 100.
DAISY, Queen Alexandra, 3-in. pots, $5.00 per 100.
ENGLISH IVY, 3-in. pots, $5.00 per 100.

ROOTED CUTTINGS from soil, $1.00 per 100.

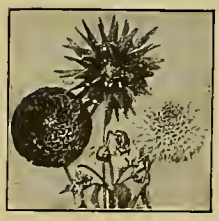
COLEUS, Verschaffeltii, Queen Victoria, Golden Bedder, **HELIOTROPE**, blue; **FEVERFEW; LOBELIAS**, double and single blue; **ACHYRANTHES; GAZANIAS; GERMAN IVY; AGERATUM.**

Cash with order please.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

DAHLIAS



Charles Clayton is my best introduction; for brilliancy, form and stem, this new Cactus leads them all. Other superb Novelties are: Mrs W. K. Jewett, Manitou, Princess Yetive, Corona, Olive Tracy. These with other fine varieties were awarded a Brooze Medal at the Alaskan-Yukon Exposition, last season. Select list of Standard Dahlias; and Field-Grown Hollyhocks, both Double and Allegheny. Catalogue on application.

W. W. WILMORE, P. O. Box 382, Denver, Col.

Please mention the Exchange when writing.

ELEPHANT'S EAR

Caladium Esculentum

Bulbs 6 to 8 inches in circumference, 200 in a case, 25c. per doz., $2.00 per 100, $15.00 per 1000.

Bulbs 8 to 10 inches, 100 in a case, 50c. per doz., $3.50 per 100, $30.00 per 1000.

Bulbs 10 to 12 inches, 75 in a case, 75c. per doz., $5.50 per 100, $50.00 per 1000.

Bulbs 12 to 13 inches, 50 in a case, $1.00 per doz., $8.00 per 100, $75.00 per 1000.

Monster bulbs 13 inches and upward in circumference, 25 in a case, $1.50 per doz., $12.00 per 100.

Full cases at 100 rate

"Red Seal Brand"

Excelsior Pearl

Tuberoses

4 to 6 inches

$7.50 per 1000; $1.00 per 100

ARTHUR T. BODDINGTON
SEEDSMAN
342 West 14th Street
NEW YORK CITY, N. Y.

Please mention the Exchange when writing.

Jack Rose Dahlias

LARGE UNDIVIDED CLUMPS

$15.00 per 100, or $2.00 per dozen.

W. C. WARD
577 Adams St., East Milton, Mass.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

PANSIES

Fine cold-frame plants, in bud and bloom; $1.50 per 100. Small plants $3.00 per 1000, by mail, 60c. per 100.

PANSY SEED, finest mixture, $1.00 per pkt. of 4000 seeds, $5.00 per oz.

PANSY BLOOM, large and fine, long stems. For Easter; 75c. per 100, $5.00 per 1000.

Cash with order.

E. B. JENNINGS, Lock Box 254 **Southport, Conn.**
Grower of the Finest Pansies

Please mention the Exchange when writing.

Pansies

Stocky little plants of our best strain, $2.00 per 1000; transplanted plants that will be in bloom for Easter, $1.60 per 100; $12.50 per 1000.

DAISIES (Bellis) and **FORGET-ME-NOTS**, $2.00 per 1000.

CINERARIAS and **PRIMULA Obconica**, 4-in. pots, $5.00 per 100.

J. C. SCHMIDT
BRISTOL, PA.

Please mention the Exchange when writing.

PANSY PLANTS

Of My Largest Flowering Mixture of Show Varieties

Unsurpassed quality, large transplanted plants, in bud and bloom, $1.25 per 100. Strong, stocky plants, out of cold frames, $3.00 per 1000.

Bellis (Daisies), largest double, red and white, good plants, $2.00 per 1000; 500 at 1000 rate.

GUSTAV PITZONKA, Bristol, Pa.

Please mention the Exchange when writing.

PANSIES

The World's Best Mixture. Large plants in bud, $3.00 per 1000, $1.00 per 100; smaller plants, Fall transplanted, in cold frames, 50c. per 100, by mail; $3.00 per 1000, by express. **English Daisy**, 25c. per 100; **Feverfew**, strong, from 2½-in.; **Parlor Ivy, Sweet Alyssum, Giant Stock**, pot plants, all at $1.50 per 100. Low prices for Cash.

E. FRYER, JOHNSTOWN, PA.

Please mention the Exchange when writing.

THE EXCHANGE—Best Advertising Medium

Florists' Dahlias

A good assortment of Dahlias for Florists, at prices that will surprise you for undivided field clumps.

J. MURRAY BASSETT, Packard St. Hammonton, N. J.

Please mention the Exchange when writing.

DAHLIA POLES

2 to 6 Feet Long

POINTED HARDWOOD STICKS; Green and Plain, 5, 12 and 18 inches long.

BLUNT END SOFTWOOD STICKS; for stemming, Green and Plain, 8, 12 and 18 ins. long.

HUGO L. GROTE, 1123 Broadway New York

The Late James J. H. Gregory

When Abbot Hall was completed the late James J. H. Gregory, seedsman, of Marblehead, Mass., gave the town a bell and a clock for the tower. On the bell is a characteristic verse:

I ring at 12 the joyful hour of noon;
I ring at 9 to slumber sweet of night;
I call to Freemen in my loudest tone;
"Come, all ye men, and vote, your noblest right!"

Mr. Gregory's ruling maxim in life was honesty and some of his terse expressions are worth quoting.

"What a man gives away he saves."

"Money given away wisely is never lost."

"Life is in seeing other people enjoy theirs."

"To make the world better and happier is the noblest work of man or woman."

A New Potato Disease

The wart disease is a new enemy of the Potato crop which is attracting great attention in Europe, and which is liable to be introduced into the United States at any time. It affects the tubers, forming large rough unsightly warts and, in severe attacks, completely destroys the crop. Once the fungus gets into the soil it is impossible to grow a crop of Potatoes on the land for several years. It is spread by using affected Potatoes for seed, and, as this country imports considerable quantities of Potatoes every year, there is danger that it may be introduced. The U. S. Dept. of Agriculture has recently issued a circular (for free distribution) giving a brief account of this disease.

SORGHUM.—The U. S. Dept. of Agriculture has recently issued two publications relating to Sorghum—a bulletin on "The History and Distribution of Sorghum," and a circular for free distribution on "Three Much Misrepresented Sorghums." These publications contain much valuable information on which it is desirable seedsmen who handle that seed should be well posted right concerning some mistakes and misrepresentations.

WALDEN, N. Y.—The C. W. Brownell Co. has been incorporated with a capital stock of $20,000. Incorporators are C. W. Brownell, R. C. Brownell and J. D. Brownell. The company will deal in flowers and plants.

Double and Single PETUNIAS

	Per 100
Fine plants, **Dreer's Strain**, 3-in.	$3.00
DRACAENA INDIVISA, 6 and 7 in.	20.00
DOUBLE PETUNIAS, R. C.	1.00
LANTANAS, Dwarf	1.00
LANTANAS, Trailing	1.25
LANTANAS, Trailing, 2 in.	2.00
STROBILANTHES DYERIANUS, R. C.	1.25

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

GERANIUMS

Mme. Salleroi, 3-in., full of cuttings, $3.00 per 100; 2-in., strong, $2 per 100, $15 per 1000.

EVERGREENS.

American Arbor Vitae, 2-3 feet, $10.00 per 100; 3-4 feet, $15.00 per 100; fine bushy trees many times transplanted and clipped.

Balsam Fir, shapely, bushy trees, 2-3 feet, $15.00 per 100.

Packing free. Cash.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

FIRST CLASS STOCK

	Doz.	100
PRIMULA Obconica, 6-in.	$6.00	
DRACAENA Indivisa, 5-in.	2.50	$20.00
VINCA Variegata, 4-in.	1.50	10.00
IVY GERANIUMS, mixed, 2½-in.		2.50
GERANIUM Mme. Salleroi, 2-in.		2.00

F. C. RIEBE, Webster, Mass.

Please mention the Exchange when writing.

ALL NURSERYMEN

SEEDSMEN and FLORISTS

Wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

Editors of the "H. A."

Chilwell Nurseries, - Lowdham, Notts.

European Agents for

THE AMERICAN CARNATION

Please mention the Exchange when writing.

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

Please mention the Exchange when writing.

P. OUWERKERK

216 Jane Street

WEEHAWKEN HEIGHTS, N. J.

P. O. No. 1, Hoboken, N. J.

Just Received From Our Holland Nurseries

Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

PRICES MODERATE

Please mention the Exchange when writing.

Hardy American Grown Roses

Standard—Tree Box—Pyramidal

General List of Nursery Stock

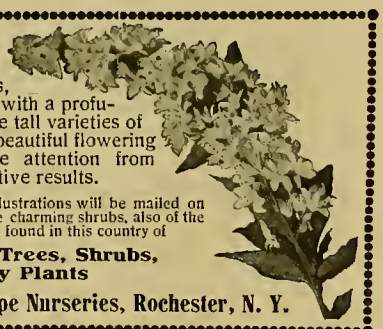
Write for Trade List

W. & T. SMITH COMPANY

64 YEARS GENEVA, N. Y. 600 ACRES

Please mention the Exchange when writing.

Deutzia Lemoineii



Is one of the choicest small shrubs, covered in the blossoming season with a profusion of pure white flowers. The tall varieties of Deutzia are also among the most beautiful flowering shrubs and should receive more attention from planters who aim to produce effective results.

A beautiful catalogue with many new illustrations will be mailed on request. It contains descriptions of these charming shrubs, also of the largest and most complete collections to be found in this country of

Fruit and Ornamental Trees, Shrubs, Roses and Hardy Plants

ELLWANGER & BARRY, Mount Hope Nurseries, Rochester, N. Y.

Please mention the Exchange when writing.

Evergreens Shrubs Shade Trees Privet

100 Acres of Nursery. Ask for quotations upon your own list of wants.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Please mention the Exchange when writing.

Viburnum Plicatum, in sizes from 3 to 6 ft.
Japanese Judas, very heavy, 3 to 4 ft.
Spiraea Anthony Waterer, very heavy, 1½ to 3 ft.
Regel's Privet (Ligustrum Regelianum), 2 to 4 ft.

These are but a few of our leaders; we have an enormous assortment of other varieties. Also deciduous trees, especially **Willows, Lombardy Poplars, American Lindens,** and **Dogwood.** Let us have your "want list," and ask for our catalogue.

The Wm. H. Moon Co., Morrisville, Pa.

Please mention the Exchange when writing.

LILACS Charles X and Marie Legray.

DEUTZIA LEMOINEI, pot-grown, in fine condition.

BOXWOOD and BAY TREES, for immediate or Spring delivery.

Orders booked now at inviting prices. Write to

F. W. O. SCHMITZ

Importer, PRINCE BAY, N. Y.

Please mention the Exchange when writing.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES

WILLIAM WARNER HARPER, Proprietor

Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

ALMA NURSERIES, Oudenbosch, Holland

NURSERIES AT OUDENBOSCH AND BOSKOOP

Proprietors { U. J. Heerms Van Vose. H. A. M. Swellengrebel. | Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.

Large stock of **Ornamental Trees** and **Shrubs, Conifers, Evergreens,** etc. First-class stock only. Prices reasonable. Sole American Agent:

J. MEERKAMP VAN EMBDEN, JR. Mount Vernon, N. Y.

Ask for our General Catalogue and special offer.

Please mention the Exchange when writing.

New Rose

American Pillar

NO Climbing Rose is attracting the attention that "American Pillar" does, and most deservedly so. It is by far the best single-flowered climbing rose for outside purposes; and on account of the great durability of its flowers, it is the best single-flowered forcing rose.

July 12, 1909.

Gentlemen:
Let me tell you, too, that the American Pillar is a better Rose than you know, perhaps. The plant I had from you, which was planted **this Spring** under unfavorable conditions, is **now giving us a succession of most exquisite bloom.**
Yours truly,
J. HORACE McFARLAND,
Pres. of American Civic Association, Harrisburg, Penna.

COMMENT FROM THE LONDON GARDEN

"A most notable feature in this glorious display (Temple Flower Show in London) was the New 'American Pillar' Rose. The large and attractive rich rose pink blooms are produced in immense clusters, the white centers of the blooms adding to their attractiveness. —Florists' Exchange.

2½-inch pot plants, $1.50 per dozen, $8.00 per 100, $75.00 per 1000.

4-inch pot plants, $3.50 per dozen, $25.00 per 100.

The Conard & Jones Co.

WEST GROVE, PA.

Please mention the Exchange when writing.

TREES AND PLANTS

Of every kind and description, in wholesale quantities

Trade list now ready

F. & F. NURSERIES, Springfield, New Jersey

Please mention the Exchange when writing.

NORTHERN GROWN NURSERY STOCK

We Grow a General Assortment of

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.

Prices Reasonable. Wholesale Trade List for the Asking

THE BAY STATE NURSERIES, North Abington, Mass

Please mention the Exchange when writing.

STOCK FOR FLORISTS

ROSES for forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff. CLEMATIS, AMPELOPSIS, TREE HYDRANGEAS and LILACS, SHRUBS, VINES and PERENNIALS. Write for prices.

Jackson & Perkins Co., Newark, (Near Rochester) New York

Nurserymen and Florists—Wholesale only. Use printed stationery.

Please mention the Exchange when writing.

FOR SALE

Rhododendron, Catawbiense, Mountain Laurel. Native Honeysuckle, Trailing Arbutus and Natural Peach Pits.

HICKORY SEED CO., Hickory, N. C.

Please mention the Exchange when writing.

PEONIES

Lucretia Dewberry

in large quantities. If in need write.

GILBERT H. WILD, SARCOXIE, MO.

California Privet

California Privet is still the leading hedge plant, because nothing has yet been produced to surpass it.

I have an extra large stock of two-year-old plants, in all grades, to offer for Spring shipment. This stock is well branched with plenty of fibrous roots.

I can compete in price, quantity and quality with any reliable grower.

I AM GROWING PRIVET TO SELL

LET ME QUOTE YOU PRICES BEFORE YOU BUY.

C. A. BENNETT Robbinsville, N. J.

Please mention the Exchange when writing.

California Privet

See our prices on small lots in classified advertisements.

For large orders in carload lots we can do better, and will ship you 10,000 18 to 24 inch, 4 to 6 branches, in bulk in car, for **$100.00.** Each with order. Other sizes in proportion.

Jos. H. Black, Son & Co.
Hightstown, N. J.

Please mention the Exchange when writing.

CALIFORNIA PRIVET

500,000 2-yr. plants, with 12 to 20 branches; have been transplanted once and cut back 2 yrs.; $4.00 per 100, $37.50 per 1000, packed. Will make a good close hedge at once. 500,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr.; $3.00 per 100, $27.50 per 1000, packed. 1-yr. plants 12 to 18 in., well branched, $2.00 per 100, $17.50 per 1000, packed. 500 at 1000 rates. Cash with order.

JOHN BENNETT, Atlantic Highlands, N. J.

Please mention the Exchange when writing.

50,000 CALIFORNIA PRIVET, fine 1-year-old stock, 18 to 24 in., $2.00 per 100, $15.00 per 1000; 24 to 30 in., $2.50 per 100, $20.00 per 1000. Special prices in 5000 lots to dealers, all No. 1 stock. 5,000 extra strong AMPELOPSIS Veitchii. Field grown vines, live tops and roots, now in cellar. $4.00 per 100, 500 at $3.50 per 100. P. S. 25,000 Canna Roots.

BENJ. CONNELL, Florist, **Merchantville, N. J.**

Please mention the Exchange when writing.

LIST OF 200 ROSES

Bumper crops for Spring delivery.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Please mention the Exchange when writing.

RASPBERRY PLANTS

20 varieties at 25c. per dozen.
Blackberry Plants, 10 varieties, at 25c. per dozen.
Currant Plants, 8 varieties, at 50c. to 75c. per dozen.
Grape Vines, 26 varieties, at 50c. to $1.00 per dozen.

Ask your customers double the above prices, and I will fill the orders for you with first-class stock. At above prices you make 75 to 100 per cent.

CHARLES C. NASH, Kalamazoo, Mich.

Please mention the Exchange when writing.

AMPELOPSIS VEITCHII

Fine, well rooted, one year plants, 18 to 24 inches; 50, by mail, $2.00; 100, by express, $3.00; 1000, $25.00. Plants in cellar. ASPARAGUS ROOTS for Spring, extra strong, 2 year plants, $1.00 per 100; $4.00 per 1000. 3 years, $1.25 per 100; $5.00 per 1000. They will please.

CHARLES BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

10 Seedling Peony Roots

for **TEN CENTS;**

more if desired at one cent each, sent by mail. Now is the time to order.

GEORGE HOLLIS, Peony Specialist
128 Hollis Street, SOUTH WEYMOUTH, MASS.

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

WE ARE SHIPPING

California Privet

100,000 still on hand. Order early before they are all gone

I make special prices on orders from this Easter issue, in large lots. Let me know at once about how many and the sizes you desire. Every one knows my stock is strictly No. 1, well graded; a sample order of 1000 will prove it.

Call and look it over.

CARLMAN RIBSAM, 31 Wall St., Trenton, N. J.
Nursery, Hamilton Ave.

Please mention the Exchange when writing.

INDOOR GRAPE VINES

Strong, one year old planting canes, just right for present planting.

In the following varieties:

MUSCAT OF ALEXANDRIA
BLACK HAMBURGH
BUCKLAND SWEET WATER
DIAMOND JUBILEE
MILTON CONSTABLE
GROS COLMAN

Price, $2.50 each (Two dollars and fifty cents)

SCOTT BROS. Elmsford Nurseries ELMSFORD, N. Y.

Please mention the Exchange when writing.

BARGAINS

For Immediate Delivery

500 Norway Maples, 1½-2 inches diameter, 10-13 feet high at $85.00 per 100.
500 Norway Maples, ¾-1 inch, 8-10 feet high, at $30.00 per 100.
1000 Norway Maple Whips, 4-6 feet high, at $40.00 per 1000.

THE EVERGREEN NURSERIES
K. M. VAN GELDEREN, Prop.
LONG BRANCH, N. J.

Please mention the Exchange when writing.

EBBINGE & VAN GROOS

Formerly THE HORTICULTURAL CO.
BOSKOOP, HOLLAND

Hardy Nursery Stock such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.
Ask for catalogue.

Please mention the Exchange when writing.

KOSTER & CO.

HOLLANDIA NURSERIES
Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

Please mention the Exchange when writing

BERBERIS THUNBERGII

Bushy Plants, 18 to 24 inches at $9.00 per 100; 12 to 18 inches, at $6.00 per 100.

Seedlings, 3 to 5 inches, $8.00 per 1000, with 6-in. roots; 2 to 3 inches, $5.00 per 1000, with 6-in. roots.

CAROLINA POPLAR

2 years, clean and smooth, nicely branched.

10 to 12 ft.	$15.00	per 100
8 to 10 ft.	10.00	per 100
7 to 8 ft.	8.00	per 100

NORWAY SPRUCE

Several times transplanted.

3 to 4 ft.	$30.00	per 100
2 to 3 ft.	8.00	per 100
18 to 24 in.	6.00	per 100

ARBOR VITAE

Transplanted.

3 to 4 ft.	$40.00	per 100
2 to 3 ft.	8.00	per 100

CALIFORNIA PRIVET

2 yr. cut back, extra heavy.

	100	1000
3 to 4 ft.	$4.00	$36.00
No. 1, 3 to 4 ft.	3.00	30.00
12 to 18 in.	$60 per 6000	15.00

This is the best stock GOOD GROWING can produce.

C. R. BURR & CO.
The Burr Nurseries
MANCHESTER, CONN.

Please mention the Exchange when writing.

NORWAY MAPLES
Specimen trees 14-18 ft., 2-4 in. dia.

RHODODENDRON HYBRIDS
1-3 ft. Best varieties and colors

RHODODENDRON MAXIMUM
(The Natives) 2-6 ft. in car lots; fine plant

KOSTER BLUE SPRUCE
4-5 ft. and 5-6 ft.

CAL. PRIVET for hedge
Fine plants 2-3 ft. and 3-4 ft.

A large assortment of Fruit, Shade and Ornamental trees and shrubs
Write for prices
Catalogue mailed upon request

MORRIS NURSERY CO.
Sales Office. 1 Madison Ave., New York

Please mention the Exchange when writing.

3000 American Beauties, 3-in. pots, $8.00 per 100, $75.00 per 1000
1000 My Maryland, 2½-in. pots, $6.00 per 100, $50.00 per 1000
Taken from plants that produced the best flowers coming to New York market this season. **Healthy, Clean Stock**

EDWARD C. HORAN, WHOLESALE FLORIST
Tel. 1492 & 1493 Madison Square **55 West 28th Street, NEW YORK**

Please mention the Exchange when writing.

ROSES From 2-inch pots at Rose Lawn Greenhouses

Richmond, $3.00 per 100.
Kaiserin, $3.50 per 100.
My Maryland, $6.00 per 100.
White Killarney, $8.00 per 100.
CASH WITH ORDER

Address **J. Henry Bartram, Lansdowne, Pa.**

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-president; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer.

MADISON, WIS.—The Sturgeon Bay Orchard & Nursery Co. has filed an amendment to its charter, increasing its capital stock from $20,000 to $40,000.

MT. PLEASANT, TEX.—The Vine Hill Nursery has been incorporated with a capital stock of $20,000. The incorporators are M. Black, E. C. Lilienstern and H. W. Peterman.

FREMONT, NEB.—G. L. Welch & Co. of the Plumfield Nurseries will grow twenty acres of nursery stock across the river in Saunders Co. this season, for their out-of-town trade.

DUNDEE, ILL.—The D. Hill Nursery Co. has been incorporated with a capital stock of $25,000. David Hill, George Wm. Hill, Arthur H. Hill and Vernon D. Hill are the incorporators.

ALBERTA LEA, MINN.—O. M. Peterson, manager of the Alberta Lea Nursery, in company with L. W. Jasperson, recently purchased 144 acres. It is the purpose of the management of the nursery to grow a general line of nursery stock on this new farm, and to make, as heretofore, a specialty of evergreens and small fruits.

The Simons Bill

The following is a copy of a letter written by F. W. Kelsey of New York to Hon. Chas. F. Scott, Chairman, House Committee on Agriculture, Washington, D. C.

Dear Sir:—Unless you wish to paralyze the nursery industry, will you not pigeonhole or report adversely the Simons Bill, H. R. 15656—one of the most impractical measures ever introduced? To attempt the proper inspection of nursery stock at ports of entry would not, or could not accomplish the objects sought and would inevitably entail delay, heavy loss and injury without any compensating advantages, anywhere. It is surprising that such a bill should receive favorable consideration from any source!

Balcony Planting

It does not require a large place in order to produce beautiful effects in planting. In the illustration herewith will be seen a pleasing collection of trees and shrubs, not many of each, for the grounds are small, but so nicely arranged about the dwelling as to give a picture one likes to gaze upon. It is the planting in connection with the mansion that calls for admiration. Notice how well the Rhododendrons set off the plants grouped along the base of the porch! There is not a great variety of plants in all; Rhododendrons, Berberis Thunbergii, and a few ferns and other plants constitute the whole, with the hanging baskets above them. Yet how it all combines with the elegance of the house itself!

The covered carriage way adds to the harmony of the whole. Trees have grown up on the left of the entrance, and at their base and close to the front pillar is another Berberis Thunbergii. Following the drive there is well placed shrubbery on the left, with some shapely Lombardy Poplars in the background, to hide carriage buildings from view, as well as to add to the embellishment of the whole.

Grafting Elæagnus longipes As all seedlings of Elæagnus are not fruit bearing one has to run the risk of what will result from such plants. It prevents the selling of them until they are three years or so old, waiting for their flowering, that their sexes may be determined. This prevents the sale of one- or two-year-old seedlings which could often be made if the fruit bearing part could be guaranteed. Because of this grafting has been resorted to, the grafts from fruit bearing plants being placed on seedlings of this species, longipes, or on umbellatus, either one answering very well. Umbellatus is oftener used than the other, the cions take well on it, and if the seedlings of longipes are let grow on, many of them will prove fruit bearing, and can then be sold as larger plants than seedlings are considered.

If small seedlings could be had for stocks, grafting could be done indoors in advance of Spring, placing them when grafted in a cool, moist place ready for setting out as soon as frost leaves the ground. If to be grafted outdoors do it as soon as the buds on the stocks begin to swell, but cut the wood for cions now, burying them under ground in damp soil in a quite cold cellar, or in the open ground, if a spade can be forced into it, until the stocks are ready to receive them.

Red and Yellow Barked Willows and Dogwood For decorative purposes a pretty combination is made of mingling in a vase some shoots of the flame colored Willow, the yellow one and the red twigged Dogwood. The flame Willow is the Salix Britzensis, the yellow, S. vitellina, and the red twigged Dogwood the Cornus alba. These three are highly ornamental when they take on their Winter color in early Winter, a color they retain until the return of Spring. A dozen of so of these shoots mingled with some evergreen sprigs is interesting and beautiful. It is seldom that these shoots have lost their color at Easter; and their use in the way described, though sometimes seen, is not often thought of.

When these shoots are to come from home grown stock, the plants need a close cutting back in early Spring, that vigorous shoots may ensue, as it is these that will be required for cutting when the time comes toward Spring. The plants themselves delight in deep and damp soil, and should be planted early in Spring.

Native Azaleas It is not so many years ago since the wild northern Azalea, A. nudiflora, was the only one to be had in quantities in nurseries, and even this one was not exactly nursery raised but had been dug up in the woods and transplanted to nurseries, being ready for sale a year or two later. Today the variety is larger, but the plants are of the same nature, dug up wildings, with a year or two of nursery care later. Besides the nudiflora there are now the Vaseyi, viscosa, and calendulacea, and in some collections one called arborescens, a tall growing one with flowers of a light pinkish white, a good deal like nudiflora, and it flowers at the same time, early Spring. Vaseyi is a deep pink, a beautiful species, the handsomest of all of that shade of color. Calendulacea is the yellow, or flame-colored one, a most beautiful variety; the color varies from a light to a deep yellow; and it has rather larger foliage than any of the others.

Viscosa flowers in Midsummer. It is white flowered and quite fragrant. In some way, perhaps from it not being as abundant as some of the others, it is not found in collections to the extent others are. In some cases it will be valued because of it doing well in quite damp places. In its wild home it is often found on the borders of swamps, its fragrant flowers minging their odor with that of the Magnolia glauca.

Our nurserymen do not have the patience of those of Europe, who make a business of growing Azaleas and other shrubs for other markets, otherwise there would be nothing to hinder a business in growing these lovely Azaleas, both for forcing in pots for Easter and for the planting in groups on grounds, as is now done with the thousands imported every year.

California Black Walnut So far as its use for eating purposes is concerned, the black Walnut of the Pacific Coast, Juglans Californica, is not nearly as good as the J. nigra, the common black Walnut of the middle States. Its comparatively small size is against it. It is no more than half the size of an average black Walnut as they are found here, yet possessing a thick shell. The wonder is that the nuts are thought worth saving for Winter, as we find they are, for aside from squirrels it is very doubtful if anyone here would gather them up, there is so little meat to a nut. This one, Juglans Californica, seems the same nut, as that of J. rupestris, the one common in Arizona. In size they are the same, both very small, the Californica appearing rather the smoother of the two, if there is any difference.

California nurserymen value the nuts of the California species for sowing to raise stocks for grafting the finer sorts of Juglans regia on, it making an excellent stock for this purpose, making a strong, rapid growth, resulting in the production of good selling trees of the J. regia in a short time. As the nuts are easily obtained, our nurserymen here might find them useful for raising stocks, but as the question of the variety's hardiness would have to be tested it might prove unsuitable except in the warmer States.

As there is a limit to the hardiness of the Juglans regia when on its own roots, would it not be adding to its hardiness to graft it on our black Walnut?

Among all the many kinds of Walnuts, not omitting the Japanese ones, there are none the equal of the J. regia, English Walnut as it is called, especially the improved kinds. The Japanese ones, J. cordiformis and J. Sieboldiana, are no improvement on anything known before. The nut of Sieboldiana has a Butternut flavor, but our own Butternut is superior in every way, as also is our black Walnut in comparison with J. cordiformis. A good hardy English Walnut is what we want, and perhaps if grafted on our black Walnut it would help to get it.

Balcony Planting

Cut Leaved Birch Leads All For Winter effect, as well as for that of Summer, but few trees surpass the Birches, more especially the varieties having white bark. Were it for white bark alone, the native one, Betula papyracea, would lead all, but when we consider the drooping character of the Cut Leaved Weeping Birch, we have to accord it first place. In this tree there is the beautiful white bark, the same as its parent form, the European white, Betula alba, added to which are the graceful weeping branches. These branches are not too drooping, but are pendulous to some degree, enough to render it pleasing to look at at all times, the limbs drooping as the tree ascends. Because of this it is prominent, wherever planted, both in Summer and in Winter. The Paper Birch, already referred to, is a conspicuous object in Winter, because of its pure white bark, and in Summer it is considered the best of Birches for shade, having foliage much larger than any other species. Besides B. alba, there is a native Birch, B. populifolia, having white bark, but it is not as good a white as any of the others named.

For Winter effect the Red, or Black Birch, Betula rubra, is greatly admired. The bark scales off as that of the white Birches do, but instead of in whole layers it is in ragged flakes and, being red in color, it is not at all unsightly as some ragged barked trees are, but, on the other hand, is considered interesting and pleasing to view, as it certainly is. This is the Birch which is found close to river courses, frequently overlapping narrow streams, adding to the beauty of the scene.

New Seedling Rose

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A seedling from Cardinal, a brilliant rosy carmine with opaline tints in the open flower. The form is fine, large, with cupped petals, bud long, brilliant, radiant, with extra long stems, a constant bloomer, fragrant, foliage abundant and of splendid substance.

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4-inch Pots .....$12.00 per 100.

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Rooted Carnation Cuttings

	100	1000
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Enchantress	2.50	20.00
Lady Bountiful	2.00	15.00
Winsor	2.50	20.00
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Nassau County (N. Y.) Hort. Soc.

A meeting of this Society was held in Pembroke Hall, Glen Cove, March 9, with over 30 members present and President Duthie in the chair. One petition for membership was received and six new members elected, among whom were E. Stanley-Brown, East Moriches, and W. H. Hunt of Boddington's. We elected our first life member, Mr. Mortimer L. Schiff of Oyster Bay, and the following gentlemen as honorary members: Mr. L. Tiffany, Mr. Emlen Roosevelt, Mr. Chandler Moore, all from Oyster Bay; Mr. A. G. Hodenpyle, Locust Valley; Mr. Colgate Hoyt, Center Island; Mr. D. Munger, Glen Cove, and Congressman W. W. Cocks of Washington, D. C. Credit is due our President for securing all these members to the Society. There was also a shower of checks for our Fall show. We were sure of the goods, now we are sure of the cash, which gives hope for the most successful show held so far. The date of the Summer show is set for June 15. Messrs. Robertson, Eccles and McQuinn acted as judges, making the following decisions: Roses: White, J. Everet; pink, J. Everet; any color, G. Wilson. All three exhibits were of superior merit. First for Sweet Peas, H. Gaut. Cultural certificate to R. Marshall for two beautiful Cyclamens; to J. McDonald for a splendid Schizanthus; to Alex. Mackenzie for a grand vase of Golden Gate Roses; to I. Trepass for a fine specimen of Celogyne cristata, which was a mass of blooms, and made a most gorgeous display. Honorable mention to F. Petroccia for Primulas. A hearty vote of thanks was awarded J. F. Johnston for a splendid exhibit of conifers. We are to hear from him next meeting in the form of an essay on Evergreens. The next meeting will open at 7 o'clock. OSCAR E. ADDOR.

Lenox (Mass.) Horticultural Society

A regular meeting of The Lenox Horticultural Society was held on Saturday, March 5, with President G. Foulsham in the chair. The meeting was largely attended, and was full of interest from start to finish. The following were unanimously elected active members of the Society: Alfred H. Diprose, Rochester, N. Y.; Joseph Manda, West Orange, N. J. and L. E. Stickles. The schedules for this year were adopted as read, and the following exhibitions will be held: Annual and Perennial, July 27; Fall Show, October 26-27. In addition to the Society's money prizes for the latter show, three silver cups have already been generously donated, namely by Henry A. Dreer for a group of miscellaneous plants arranged for effect, 100 sq. ft.; Eustace Jaques for eighteen varieties of vegetables; W. B. O. Field for twelve varieties of vegetables; and it is safe to predict that the high standard of vegetable culture for which Lenox is so famous will be fully maintained this coming Fall. E. Jenkins gave an interesting description of the recent Boston Midwinter show, and congratulated that Society on its splendid exhibition; special praise, however, he bestowed on Wm. Craig's collection of Orchids. The annual dinner of this Society will be held on Wednesday, March 30, and is being looked forward to with much interest by the members and their friends. Some excellent talent has been engaged for the occasion. Rose and Carnation night will be Saturday, April 2, and competition in the various classes will be keen. George Breed will also read a paper on "The Neglected Orchards of the Berkshires."

GEORGE H. INSTONE, Secretary.

Yonkers (N. Y.) Hort. Society

The first annual dinner of this Society was held at Park Hill Inn, Yonkers, on Thursday evening, March 10, and was voted by all as the best ever. About one hundred members and their friends from New York City, Long Island and other places were present. The dining room was very tastefully decorated, and much thanks is due to Secretary W. H. Waite for supplying the plants for the decorations, also to W. MacDonald for arranging the same. All the speakers took occasion to warmly compliment the Society on the excellent showing it has made since its start two months ago, and expressed the hope that success will attend the Society in its efforts to hold a show in the Fall. Arthur T. Boddington, the well known seedsman, presided as toastmaster, and his remarks when introducing the speakers were both snappy and humorous. The first speaker was Pres. Bennet, who responded to the toast "The Yonkers Horticultural Society." He gave a brief outline of the work accomplished since the Society was formed two months ago, and stated that there are now eighty members in the fold, a fact which argued well for the Society's future. Mayor Lennon was the next speaker and he congratulated the Society on its splendid showing and on behalf of the city offered assistance at the show to be held in the Fall. The other speakers and their subjects follow: "Kindred Societies," by H. A. Bunyard; "The Private Gardener," by J. Mooney; "The Nurserymen," by James T. Scott; "The Visitors," by Harry Turner of Castle Gould, Long Island; "The Seedsmen," by A. J. Rickards; "The Florists," by Louis Melliot; "The Ladies," by J. Austin Shaw; "The Horticultural Press," by J. H. Pepper. The entertainment was furnished by the Rickards Bros., who gave comic and sentimental song, James Anderson with baritone solos, and W. H. Waite, with tenor solos. The committee in charge of the dinner was composed of W. H. Waite, Hamilton Scott and Peter MacDonald, and thanks are due them for the success attained.

LEE WHITMAN, Cor. Sec.

New Jersey Floricultural Society

An Orchid night was observed by the Society on March 11, at its rooms in Orange, with exhibits by Lager & Hurrell of Summit, N. J., and Joseph A. Manda of West Orange, N. J., and others, as well as a paper by Rev. Lewis H. Lightipe upon "Our Native Orchids," illustrated by fifty mounted specimens from the author's herbarium. An enumeration of the various genera with description and habitat was followed by mention of certain plants which might, by hybridization with the beauties staged in the assembly room, be made to produce plants grown in the open, and improve some whose beauty was apparent only upon a close inspection and of interest chiefly to the botanist. The specimens had been collected during walks over the Orange Mountains, and more extended trips in Florida and other of our southern States. The same genera found in New Jersey, New York or Pensylvania would be met with in the South upon mountains of consider-

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Roses from 2½-inch Pots

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Pink Killarney	$4.50	$40.00
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has added to its laurels: At the Toronto show, just closed, a gold medal was awarded this splendid Carnation when exhibited in competition with others. Carnation Dorothy Gordon is a winner—a winner of prizes and a winner of profits, as our customers are learning.

Some of its merits are: Strong constitution—absolutely free from disease; wonderful productiveness—50% more flowers than Enchantress; good color—clear, uniform pink; splendid form and keeping qualities—flowers last four and six days after cutting; and enormous size—averaging three inches in diameter. We know of no variety possessing all those strong qualities.

Order **NOW** some of the splendid stock we offer for April. Prices remain the same—**$10.00 per 100, $75.00 per 1000**—and you'll find, long before the season is over, that it was the best investment you made this year. If you want to investigate first, come to see us, or write for particulars—but don't delay, for the stock won't last!

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WE are now shipping fine, strong cuttings of **Shasta,** as fast as they are ready to come out of the cutting bench. Orders on our books will take all that will be ready up to February 15th. If you want late February delivery you should send in your order at once before the other fellow gets them.

Come and see it growing if you can. Once you see it you will want to grow it. $12.00 per 100, $100.00 per 1000.

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A few stock plants of October Frost, C. Touset, Alice Roosevelt, Golden Glow, still left at $3.00 per 100, $25.00 per 1000.

The Following in R. C. and 2½-in. Stock.

Alice Roosevelt, October Frost, Golden Glow, Roslera, Monrovia, Minnie Bailey, Appleton, White Bonnaffon, Alice Byron, Dr. Enguehard, Yanoma, Wanamaker, Mankey, and nearly all standards, $2.00 per 100, $15.00 per 1000, R. C.; $2.50 per 100, $20.00 per 1000, for 2½-in. pots.

Virginia Poehlmann, $3.00 per 100, R. C.; $4.00, 2½-in.

Golden Eagle, Lynnwood Hall, $4.00 per 100, R. C.; $5.00, 2½-in.

Pres. Taft, Mrs. W. E. Kelley, $10.00 per 100, R. C.; $12.00, 2½-in.

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WHITE		
Apple Blossom	$5.00	$40.00
Mrs. J. C. Vaughan	4.00	
White Enchantress	2.50	20.00
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Enchantress	2.00	15.00
Rose Enchantress	2.00	12.50
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Winsor	2.00	12.50
Harry Fenn	2.00	12.50
Beacon	2.50	20.00

Boston Ferns, from bench, $2.50 per 100, $20.00 per 1000; ready to plant.

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able elevation, and for this reason embraced a region from Maine to Florida and New Jersey to California. Much of the data given was taken from the interesting work by William Hamilton Gibson.

In the large exhibit by Lager & Hurrell, of especial interest were Cypripedium Orion (never before exhibited), Phalænopsis Stuartiana and Epiphronitis Veitchii. The collection was in charge of George W. Strange.

Joseph A. Manda staged fine specimen plants of Cattleya speciosissima, intermedia, superba, and amethystoglossa, Miltonia cuneata and Ansellia cunea.

D. Kindsgrab, gardener for William Runkle, contributed a Dendrobium Wardianum with many large flowers. Among the exhibits of flowers from nearby estates were some from Frank Drews, gdr. to Thomas A. Edison, Roses and Violets; William Reid, gdr. to S. and A. Colgate, Carnations and Hydrangeas, among which was a white seedling Carnation of merit; Albert F. Larson, gdr. to A. B. Jenkins, Roses and Carnations; Max Schneider, gdr. to Charles Hathaway, Carnation Rob Roy and Victory, Tulips, Schizanthus, Mignonette and Stocks; John Dervan, gdr. to A. C. Van Gaasbeck, Carnation Victory.

This was the first exhibition in the contest for twelve silver cups to be given in January next by numerous patrons of the Society, the schedules for which were distributed.

J. B. D.

St. Louis Florists' Club

The local Florists' Club held its monthly meeting last Thursday afternoon, February 10. President Windler was on hand early to greet the members as they came in. When the meeting was called to order twenty-five had responded to the pressing notices sent out by Secretary Beneke and it was noticeable for the first time that the attendance of the city members was much larger than that of those who live in the suburbs, which was commented on by several of the members. The meeting opened promptly at 2 o'clock with all the officers in their respective seats; the usual preliminary proceedings opened the meeting.

A. J. Bentzen, chairman of the trustees, reported on the death of our fellow member, L. N. Van Hook, and stated that the trustees had arranged for the members to attend the funeral and send the usual floral emblem to the family of the deceased member. The chair then appointed a committee consisting of F. J. Fillmore, A. S. Halstead and C. DeWever to draw up suitable resolutions on the death of Mr. Van Hook, and such resolutions were duly presented and accepted by the Club.

The committee on the Club's monthly bulletin then reported, through Mr. DeWever, the chairman. The report was accepted, and by a vote the bulletin was endorsed by the members, who voted to place the Club's monthly notice to its members in each issue of the bulletin. Mr. DeWever's committee will meet this week and make preparations for the first issue.

A letter from the Convention Bureau of St. Louis, Mo., was read asking the Club to unite with it in extending an invitation to the American Association of Nurserymen to hold its annual convention, in 1911, in St. Louis. On a vote the chair appointed Frank A. Weber, C. C. Sanders and A. S. Halstead a committee to draw up the invitation. All of these gentlemen are members of the Nurserymen's Association.

President Windler, for the good of the Club, read an interesting apper on what he saw at the Illinois Florists' Association held in Urbana, Ill., recently; at its close a great many of the members wished they had attended and got in on some of the good things Mr. Windler read about. W. C Smith, the treasurer of the Club, announced that the Club was in good financial condition. The question box at the close of the meeting brought out some good discussions and a great many points of interest to several of the growers present.

April 14 is the date for the next meeting of the Club. ST. PATRICK.

CARNATION CUTTINGS

My stock has not been allowed to throw over three blooms per plant and is, therefore, very vigorous, producing cuttings strong and full of life. Cuttings from such stock will produce more and better flowers next Winter than the ordinary grade from stock that has been flowered to death.

	100	1000
Harlowarden	$2.00	$18.00
Enchantress	2.60	20.00
Rose Pink Enchantress	2.75	22.50
White Perfection	2.75	22.50
Pure White Enchantress	3.00	25.00
Winona	3.00	25.00
Beacon	3.50	30.00

250 at 1000 rate.

A. A. GANNETT, GENEVA, N. Y.

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings. Clean, healthy stock.	100	1000
Enchantress	$2.50	$20.00
Pure White Enchantress	2.00	25.00
Rose Pink Enchantress	2.75	22.50
White Perfection	2.75	22.50
Winona	3.00	25.00
Beacon	2.50	20.00
Winsor	2.50	20.00
Harlowarden	2.00	18.00

Cash with order.

SMITH & GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

CARNATION CUTTINGS and PLANTS FOR SALE

A change in our plans enables us to offer the following cuttings and plants, from stock reserved for ourselves.

White Perfection, Pink Enchantress, Winsor and Beacon. Rooted Cuttings, $17.50 per 1000, $2.00 per 100; same sorts from 2½-in. pots, $25.00 per 1000, $3.00 per 100.

BOSTON MARKET, Rooted Cuttings, $10.00 per 1000. Speak quick if you want them.

The Florex Gardens, North Wales, Pa.

Please mention the Exchange when writing.

CARNATIONS READY NOW. Victory, $1.50; Lawson, Enchantress, $2.00; Bassett, $3.50, and Fenn, $1.00 per 100.

Carnations Ready the latter part of April. W. Perfection, Rose Pink Enchantress, at $1.50 per 100; Lawson and Winsor, at $1.25 per 100.

Geraniums Ready early in April. Nutt at $10.00 per 1000; Poitevine and Ricard at $12.50 per 1000.

Plumosus Ready May 1st, at $25.00 per 1000.

Sprengeri Ready now, special size ready for four-inch pots, at $5.00 per 100; samples for ten cents.

ALBERT M. HERR

LANCASTER, PA.

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, $12.00 per 100, $100.00 per 1000.

Alma Ward, $15.00 per 100, $125.00 per 1000.

Mrs. J. C. Vaughan, Bay State and Georgia, $6.00 per 100, $60.00 per 1000.

Robert Craig, Afterglow and Harlowarden, $3.50 per 100, $30.00 per 1000.

New crop. Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons, at 25c. and $1.00 per package.

CHAS. H. TOTTY

MADISON, N. J.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

THREE NEW CARNATIONS

CONQUEST Faoey overlaid pink — **SANGAMO** Brilliant pink — **MARY TOLMAN** Deep flesh pink

$12.00 per 100; $100.00 per 1000

CHICAGO CARNATION COMPANY, A. T. PYFER, Mgr., **Joliet, Illinois**

Please mention the Exchange when writing.

HARDY CHRYSANTHEMUMS

A peerless collection of forty varieties—
the finest and the hardiest sorts extant
Well furnished plants with solid balls of earth and roots, in 2½-inch pots, **$3.50 per 100; $25.00 per 1000.** (250 at 1000 rate.)
Strong field clumps **$5.00 per 100.**

An unrivalled stock of field grown **Hollyhocks** (Double, Single and Allegheny), **Aquilegias** (many varieties), **Sweet Williams** and **Hardy Pinks, Hardy Asters, Campanulas, Lychnis, Hardy Phlox** (both **P. decussata** and **P. suffruticosa,** in choicest varieties), **Peonies, Rudbeckias, Stokesias, Hardy Sunflowers, Hibiscus, Veronicas, Desmodiums,** and **Yucca filamentosa** in two sizes.

J. T. LOVETT, - Little Silver, N. J.

Please mention the Exchange when writing.

GERANIUMS

	1000	100
8 varieties, my selection	$25.00	$3.00
ASPARAGUS Sprengeri, seedlings	7.00	1.00
DOUBLE PETUNIAS		3.00
LARGE PANSY PLANTS, April 1st		1.50
SMALL PANSY PLANTS, $2.50 per 1000		.50

COLEUS

	Per 100
10 varieties, 2¼-in. pots, April 1st	$2.00
10 varieties CANNAS, 3½-in. pots, April 1st	4.00
400 ASPARAGUS plumosus nanus, 2¼-in. pots	2.00
ALTERNANTHERA, red and yellow April 1st	2.00

Cash. No C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

JOHN H. SLOCOMBE
FLORIST
555 Townsend Ave.

Violets and Sweet Peas A Specialty.

New Haven, Conn., March 7, 1910.

Aphine Mfg. Co., Madison, N. J.
Gentlemen:—

After using your product for past three months find that it has effecively killed all the green and black fly on double and single violets in our houses—without injuring in the least the flowers, or even tender center leaves. We sprayed our young sweet pea vines, which were badly invested with green fly and that one application has cleaned out every aphis visible to date.

We have placed order for ten gallons Aphine with your local agents to keep on hand—as we cannot afford to be short should another crop of fly appear.

Yours truly,
J. H. SLOCOMBE.

See pages 513 and 543 for other Aphine endorsements.

Please mention the Exchange when writing.

Morris Co. (N. J.) G. and F. Society

"Carnation Night" proved a very interesting event. A large portion of the membership was brought out, and a very creditable exhibition awaited the meeting. There were not as many of the new candidates for honors on hand as we would like to have seen, but what was short in quantity was made up in quality. E. L. Enggren of Aqueduct, L. I., N. Y., had a grand vase of a new seedling, color cerise pink; stems were excellent and flowers large and erect. If this should prove a cropper, as Mr. Enggren claims it is, it will be a fine addition to our list; a certificate of merit was awarded it.

Henry Eichholz, Waynesboro, Pa., staged his new seedling Princess Charming, color Enchantress pink—a very beautiful thing and very fragrant. Awarded certificate of merit. He also staged Washington, a Lawson colored sport of Enchantress, which showed up nicely. Honorable mention.

The Chicago Carnation Co., Joliet, Ill., showed a vase of its new Carnation Conquest, and a vase of Mary Tolman. Unfortunately these suffered in transit and could only receive a vote of thanks. Mr. Enggren, who was there, told how well these varieties stood up at Pittsburgh, where they reflected credit to the introducer. The Cottage Gardens Co., Queens, N. Y., sent a vase of Alma Ward and a vase of Mrs. C. W. Ward, in fine condition. These need no description, as they are so well known, both having been here before. They received the Society's vote of thanks.

John Downing, florist to Dr. D. H. McAlpin, Morris Plains, N. J., had a magnificent vase of Winsor, which was awarded a cultural certificates.

Wm. H. Duckham had a peerless exhibit, in four varieties, Robt. Craig, Bay State, Enchantress and Rose Pink Enchantress. The Enchantress varieties were of great size. Cultural certificate.

A general discussion of the Carnation then ensued. Mr. Enggren gave us a nice little talk, so did Mr. Herrington. Mr. Duckham was asked to tell how he got the size. He believes in indoor culture and practices what he preaches. The size, he thought was an accident.

Easter Lilies

With Clean Foliage and Fair Length of Stem

Price per Bud or Bloom, cut, 10 cents; in pots, 12 cents, but the latter only shipped by team to short distances.

TERMS CASH

FLORAL HILL GARDENS

G. F. NEIPP, Prop. Chatham, N. J.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

C. H. Totty and many other members had something to say and something to ask on the subject. Members and friends carried away bunches of Carnations as souvenirs.

April 11 with be "Rose Night." Madison can, if she will, put up a grand show. We had one last year, and expect great things this year. Roses are unusually good around Madison and Chatham. We are after some of the new ones; they are what draws the crowd.

P. J. Noonan, Morris Plains and John Prendergast of Morristown were elected members. E. R.

Washington, D.C.

There has been a marked improvement in the sale of bulbous stock this season due, many of the retailers think, to the new idea of bringing Tulips, especially, to the stores before they have advanced to the usual stage. This prolongs the chance of sale for the store man, and seems an additional incentive to the purchaser, easily recognized.

Azaleas and Rhododendrons have sold better than usual this season, and many fine specimens are in good shape for Easter.

The retailers are making their usual yearly rounds looking over the various sources of supply. The wholesale business of the past week was above the average.

Arbutus from the South has made its appearance on the streets. There is a good demand for green Sweet Peas, Carnations, and Shamrocks tied to hampers, with green ribbon in commemoration of St. Patrick's Day.

It is understood Gude Bros. & Co. will exhibit some of their choice home-grown Roses at the coming exhibition in New York City. JAS. L. CARBERY.

We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(65) **Gladiolus.**—Will Gladiolus rot in the ground if left over Winter and covered with manure so they will not freeze? How deep should they be planted? How long can they be left in the ground? Will they bloom just as good as if planted every year?—Old Timer.

—Gladiolus should be lifted every Fall, replanting the best for flowering purposes the following Spring, planting the bulblets in a separate patch to grow on for another season. Plant 2½" to 4" according to nature of your soil and firm bulbs thoroughly.

(66) **May Flowering Tulips.**—Should they be thrown away when done blooming, or can they remain where they are undisturbed, and will they bloom again satisfactorily?—Old Timer.

—We suppose you mean bulbs planted outdoors in the border. These bulbs seldom do as well the second year and if good results are looked for would advise replanting the border every Fall, and setting out the old bulbs in an out of the way corner.

(67) **Narcissus Victoria.**—Can bulbs of this variety be planted outside next Fall and will they bloom again satisfactor-

Boddington's Quality Sweet Peas

SOW NOW FOR SUCCESS

Remember you may deduct 5 per cent. if cash accompanies the order

Agnes Johnstone. Soft light pink
Apple Blossom. Rose and white
Bolton's Pink. Orange-pink
Blanche Ferry. "Extra early," rose and white.
Black Knight. Maroon
Dainty. Light pink
Duke of Westminster. Blue and purple
Dorothy Eckford. Pure white
Earliest of All. Pink and white
Emily Henderson. Pure white
Evelyn Byatt. Orange-pink
Emily Eckford. Mauve and blue
Flora Norton. Blue and purple
Honorable Mrs. E. Kenyon. Pale yellow
Jeannie Gordon. Light pink
Janet Scott. Pale yellow or primrose
Katherine Tracy. Pink shades
King Edward VII. Crimson-scarlet
Lovely. Light pink
Lady Grisel Hamilton. Lavender and mauve.
Lottie Eckford. Lavender and mauve, picotee edged
Lord Nelson. Violet and indigo
Mont Blanc. Pure white
Miss Willmott. Orange-pink
Mrs. Walter Wright. Mauve and blue
Mrs. Geo. Higginson, Jr. Lavender and mauve
Mrs. Collier. Pale yellow
Navy Blue. Violet and indigo
Othello. Maroon
Prima Donna. Pink
Queen Alexandra. Crimson-scarlet
Queen of Spain. Light pink
Queen Victoria. Pale yellow or primrose
Romolo Piozzanni. Mauve and blue
Salopian. Crimson-scarlet
Stella Morse. Light pink and primrose
Shazada. Maroon
Shasta. Pure white
Sadie Burpee. Pure white
White Wonder (double), pure white

25c. per lb.; 10c. Per ¼ lb.; 5c. per oz.

Black Michael. Maroon, lb. 35c., ¼ lb. 15c., oz. 10c.
Earliest Sunbeams. Pale yellow or primrose, lb. 40c., ¼ lb. 15c., oz. 10c.

Duke of Sutherland. Maroon
***Gladys Unwin.** Light pink
Helen Pierce. Violet, feathered white
Henry Eckford. Salmon-orange
***Her Majesty.** Rose-crimson
***Mrs. Alfred Watkins.** Light pink
***Nora Unwin.** Pure white
***Paradise.** Light pink
Phenomenal. Lavender and mauve, picotee edged
***Primrose Spencer.** Pale yellow or primrose
— 50c. per lb.; 1 oz. per ¼ lb.; 10c. per oz.

***Countess of Spencer Hybrids, Mixed**
***E. J. Castle.** Rose-crimson
***Frank Dolby.** Lavender and mauve
***Phyllis Unwin.** Deep rosy carmine, self
— 75c per lb. 25c. per ¼ lb. 10c per oz.

***Countess of Spencer** (true stock). Light pink
†**Christmas Pink** (Boddington's). Pink and white
†**Christmas White** (Boddington's). Pure white
†**Florence Denzer.** Pure white
— $1.00 per lb. 40c. per ¼ lb.; 10c per oz.

Earliest White. Pure white, lb. $1.25, ¼ lb. 40c., oz. 10c

***Enchantress.** Light pink
***Florence Morse Spencer.** Pink shades
***George Herbert.** Almost self-carmine
***Helen Lewis.** Orange-pink
***John Ingman.** Rose and white
***Prince Olaf.** Striped and mottled blue, white ground
***White Spencer.** Pure white
— $1.50 per lb.; 40c. per ¼ lb.; 15c. per oz.

	Per lb	¼lb	Oz.
†**Watchung.** Pure white	$1.75	$0.50	$0.20
†**Snow Bird** (Boddington'a). Pure white	2.00	.75	.20
†**Canary.** Pale yellow or primrose.	2.50	1.00	.30
†**Flamingo.** Rose-crimson	5.00	1.50	.50

Those marked with a * are Countess of Spencer or Unwin types.
Those marked † are Winter-flowering.

ARTHUR T. BODDINGTON
Seedsman, 342 West 14th St., NEW YORK CITY, N.Y.

Please mention the Exchange when writing.

ily? How should they be treated, or are they of no more value after forcing?—Old Timer.

—If the Narcissus Victoria have been subjected to severe forcing would suggest discarding them. Otherwise plant the bulbs where wanted now (if the space is idle) or dry them off, and store in a cool dry cellar till next September, when they can be planted.

(68) **Weed Killers.**—Is there a reliable preparation in the market? I tried one from a chemical works last year; it killed the weeds on top and two weeks later they grew faster than before.—Old Timer.

—For planted grounds we know of no more effective weed killer than a man with the hoe; for walks and driveways a strong solution of coarse salt is the cheapest.

(69) **Chrysanthemums.** — Will all Chrysanthemums taken from stock plant with roots be just as good in every particular as regular cuttings?—Old Timer.

—Yes, if stock is healthy.

(70) Would it be all right to set out my Carnations this Spring on land that I grew my Princess of Wales Violet plants on last Summer?—C. R. L., N. H.

—We see no reason why your Carnation plants should not do well in such soil. A good top dressing of well-rotted manure, ploughed in, will greatly assist the plants. If you could scatter slaked lime on the ground before ploughing it will considerably sweeten the soil.

(71) **Setting a Funeral Window.**—I have a window in my store which is 12 by 12 ft. square, and have been thinking for the past few weeks whether it would be advisable to make a setting representing a room occupied by a casket, with a general decoration of floral designs. My trade is mostly of the design nature, and being on a side street I thought that something out of ordinary might attract attention. You will greatly oblige by advising me in the matter.—A. B. C., Conn.

—We could hardly advise the setting of a window so gruesome in character. Why not make a setting suggestive of a corner in a chapel, which would make a suitable background for a display of designs. We think the public would gaze on such a display without experiencing the "creepy" feelings which the window you suggest might excite.

(72) **Scale on Trees.**—I am mailing you, under separate cover, a piece of a limb, covered with a scale. Will you please advise me what it is and if it can be killed? Most of the shade trees are covered with it. We cut some Bean poles last year from the infected trees, and when the Beans were bearing, they dried up and died from the roots. We did not get a handful of beans from that field. Would that scale affect the Beans?—D. G. K., Penna.

—The scale on twigs sent here is Mytilaspis pomorum, the common oyster shell scale. We hardly think it possible for the scale to injure the Bean crop to such an extent, and expect that the vines were attacked by blight during the fruiting season. The scale can be killed with kerosene emulsion, whale oil soap, Kil-o-Scale or Scalecide, the last two named being, perhaps the most beneficial; they can be procured from any of the large seed stores.

(73) **Best Fertilizer for Carnations in the Field.**—We would like you to give us the best commercial fertilizer for use in Carnation field. We have put a light covering of cow pen compost on land, but would like to add some commercial fertilizer and want to be sure that we use the best.—J. L. O'Q. & Co., N. C.

—A good fertilizer to use in connection with stable manure on a Carnation field would be blood, bone and potash. There are various brands marketed by the several fertilizer companies, each having a different name, but the combination of blood, bone and potash or any mixture having the same analysis would be found a good food for the Carnation field.

(74) **Remedy Requested for Snails on the Greenhouse Bench.**—Would also like to ask you what is the best remedy for keeping down snails or slugs in greenhouses? They seem to breed in our houses by the thousand, eating many dollars worth of Carnations. Some of them seem to be in shells, many others just soft slugs about the size of a large pea. We know it is said to handpick them at night but this, in a dense Carnation bench, is a hard thing to do. Now, if there is any way of stopping them, by poison or otherwise, we would like to know it. Sprinkling lime and salt only answers for a day or two, as moisture will soon destroy the effect of either of these preventives. We have used sugar, wheat, bran and a little Paris Green to some good effect, finding snails lying close by dead from eating it. We have also poisoned different fruits and laid around in conspicuous places and occasionally get one that way.—J. L. O'Q. & Co., N. C.

—If the poisons and lime do not exterminate the snail, the only thing we could suggest would be to cut into small pieces, potatoes or carrots, scoop out a hollow place and place these on the beds with the hollow side down. The snail will crawl underneath during the night and in the morning they could be gathered and destroyed. This may seem a slow method, but sometimes it seems to be the only one which will acomplish anything. DIANTHUS.

(75) **Camellias Infested with Mealy Bug.**—I enclose a few pieces of a diseased Camellia tree. If there is any possible cure for the disease kindly answer through your Question Box, at your earliest convenience.—R. M., Conn.

—Your samples of Camellia sprays were covered with mealy bug, to get rid of which it will be necessary to spray all over the plant with Aphine, Nicoticide or some other equally effective insecticide. The black stuff on the leaves appears to us to be the result of soot carried in from the roof by the drip, or leaks in the roof. Hand washing or good strong syringing will have to be resorted to in order to clean the foliage. Had you kept the plants properly syringed the bugs would not have gained such a foothold.

(76) **Trouble with Lilies.**—Will you kindly inform me the cause of the trouble with Lily plants sent herewith? I purchased two lots from different seedsmen, and they are turning out this way.—E. A. L., New York.

—Your Lily plants show the same trouble which many florists are now experiencing. We attribute the cause to too rapid development of the plants, which has had its effect in intensifying a disease which Lilies are subject to. Our representative, in visiting many greenhouse establishments in the East, has repeatedly seen this condition, and was generally informed that it was caused by the plants being forced into bloom in a temperature too high which, coupled with the short space of time in which the plants had to bloom from the time of potting the bulbs until now, and in many instances with poor root action to commence with, makes one wonder that so many good Lilies are being offered to the trade.

Los Angeles, Cal.

Enclosed find a few florets of Bougainvillea lateritia, which, I trust, will reach you without losing any of its color. With it you will also find several diminutive Poinsettia leaves plucked from a bush growing in the same yard as that of the Bougainvillea. That you may compare the colors I send both. Grown under glass a red-flowering Bougainvillea has a faded, washed-out color, both of foliage and of flower but, grown in the open, this variety, when in full bloom, is a sight never to be forgotten. There is one plant in this town (which covers the side and roof of a two-story house) from which a two-horse wagonload of top is cut annually, and what a sight it is when in flower! Some varieties of the magenta-colored sorts make prodigious growths, yet are such shy bloomers that they are worthless for that purpose; there has not been enough care exercised on the part of our nurserymen in the selection of varieties, when propagating, to get wood of the best. There is no excuse for this carelessness since wood may be had for the asking—and that, too, in quantities sufficient to produce enough plants to cover all southern California.

[The specimens noted were received in good condition. As to comparison, while the color of the two subjects was almost identical, that of the Poinsettia appeared about two shades more brilliant.—ED.]

There is a large scarlet Ranunculus grown near here which would make a fairly good substitute for the Peonies of the Atlantic States of the same color; the crimson herbaceous Peonies not growing here. It would be well for florists to investigate and become thoroughly acquainted with this class of bulbs, that their wonderfully beautiful flowers might be found in our markets eight or nine months of the year. Unlike most bulbs, they do not deteriorate in productive capacity for several years if not planted out. I know of one instance where the head clerk of one of our seed stores planted a number of the bulbs which had been in the store three years, yet gave the most gratifying results.

P. D. BARNHART.

AT AUCTION

Beginning at 10.30 a. m. Tuesday, March 22nd, and continuing at the same hour each day up to and including Saturday, March 26th

EASTER PLANTS

Consignments received at any time during the week

ALSO

Roses, Rhododendrons

and all varieties of Nursery Stock

Special facilities for prompt delivery

TERMS CASH

The Fruit Auction Company

200-204 FRANKLIN STREET, NEW YORK

Telephone 1512 Franklin

Corner Washington Street

Horticultural Department J. P. CLEARY, Mgr.

Regular Sales throughout the season. *Catalogues mailed on request.*

Rochester, N. Y.

Little improvement, if any, is noticeable in the condition of trade here, and large quantities of stock still accumulates, especially so in Carnations. Roses also are now in quantity, and difficult to move without a sacrifice in the prices. Lily of the Valley and Harrisii Lilies are quite out of the running altogether. Violets are in much better demand and have cleaned up readily in the last few days. With the present weather conditions there will be ample supply of cut flowers for Easter trade, and it is to be hoped the growers will not resort to the custom of salting stock.

S. A. F. Executive Board Meeting

The members of the executive board of the S. A. F. & O. H. arrived here Saturday morning, March 12, and were met at the Seneca Hotel by the officers of the Rochester Florists' Association and escorted to the Association's room, where they started business promptly. C. H. Vick of Rochester was appointed superintendent of the trade exhibition. Resolutions were passed endorsing the bill now before the N. Y. Legislature for a grant of $50,000 for the purposes of erecting a range of glass, and to extend the work of the Department of Floriculture at Cornell University at Ithaca, N. Y.. On Monday the board visited Convention Hall and found the appointments there all that could be desired; the members were unanimous in saying that it was the best for the purpose they had ever met with in any city. The second annual banquet of the Rochester Florists' Association was held on Monday evening and the members of the executive board of the S. A. F. & O. H. were the guests of honor. The banquet was a pronounced success; about 150 ladies and gentlemen were assembled. The tables, with decorations of Bridesmaid Roses, made a very charming picture. S. A. F. President F. R. Pierson responded to the toast to "The S. A. F."; W. N. Rudd to "The Convention"; W. C. Barry to "The Flower City"; Judge Vesey to "The Ladies"; W. F. Kasting to "The Man that Holds the Bag"; J. A. Valentine to "The Retailer"; H. B. Dorner to "The Carnation"; George Asmus to "The Rose". E. S. Osborne acted as toastmaster and, as usual, did the honors admirably. Informal speeches were made by Prof. L. B. Judson of Cornell, Prof. Craig of Cornell, and Woodworth Clum. Now work will start in real earnest for the banner convention of the S. A. F. & O. H. H. B. STRINGLER.

Syracuse, N. Y.

Ten days of glorious sunshine and ideal Spring weather, after our long Winter was most welcome, and all stock showed marked improvement; trade, too, was greatly stimulated; a larger sale of flowering plants was noticeable. The florists have all been very busy, for large funeral orders have been quite frequent of late and this has kept all classes of stock well cleaned up.

Many of the florists have been visiting nearby cities looking for extra stock, as a very heavy Easter trade is anticipated. The weather is a great factor, and at present writing is not very promising, as we are having snow and heavy frosts again.

Most of the craft have the larger part of their Lilies just right. The usual Easter prices for pot stock and cut flowers will prevail. H. Y.

Catalogs Received

DE GRAAFF BROS., Ltd., Leiden, Holland.—1910 Wholesale Catalog of Bulbs and Plants.

E. GILL NURSERY CO., West Berkeley, Cal.—Descriptive Catalog of Roses, Palms, Shade and Ornamental Trees.

ALONZO J. BRYAN, WASHINGTON, N. J.—Wholesale Price List of Bargains in Pot Grown Plants of both Flowers and Vegetables.

W. E. BARRETT CO., Providence, R. I.—Seed and Implement Catalog for 1910. This firm makes a specialty of best grade Vegetable and Flower Seeds (adapted to the climate of their locality) for farm, market and kitchen gardens. Grass Seeds, Insecticides and Fertilizers are also listed, and the catalog contains a very complete selection of agricultural implements, garden requisites, poultry supplies, etc.

J. MURRAY BASSETT, Hammonton, N. J.—Annual Catalog and Price List of Dahlias, Shrubs and Hardy Plants. Mr. Bassett grows ten acres of Dahlias; Hammonton being midway between Philadelphia and Atlantic City is well located for visitors, and these are cordially invited. The listing of Dahlias is a select one and embraces comprehensive listings in all the several types. Additionally, the catalog contains a select list of Hardy Perennials and Hardy Shrubs.

OTTO BEYRODT, Berlin, Germany.—A compact and very complete listing of Orchids, the specialty of this House. The front cover contains a halftone picture illustrative of a locality where Orchids are collected. An item of interest in this booklet is a halftone picture of Mr. Beyrodt's establishment, showing a symmetrically arranged series of plant houses and the manner in which the grounds have been laid out in the endeavor to make the place an attractive one to visitors.

DAVID HERBERT & SON, Atco, N. J.—This catalog is confined entirely to Dahlias, in which this firm are specialists, and throughout its pages will be found a very complete listing of all the best known Dahlias in cultivation. The catalog shows pictures of the David Herbert & Son offices, greenhouses where the roots are planted for propagating and other buildings connected with the establishment. It is additionally well illustrated with cuts of leading varieties of Dahlias.

BATCHELOR SEED STORE, Utica, N. Y.—Farmers' Guide 1910. This catalog of 64 pages and cover contains a complete list of requirements for the general planter and farmer, is printed on good paper and well illustrated throughout. Considerable space is given to Farmers' Requirements, Poultry Supplies, Tools and Requisites. The covers are printed in duotone ink; showing on the front a field of the firm's "Monster Brand" Ensilage Corn and on the back an artistic arrangement of flowers.

L. DAEHNFELDT, Odense, Denmark.—Wholesale 1910 Catalog, containing an extremely comprehensive listing of Vegetable and Flower Seeds, etc. This catalog is somewhat notable in that it is copiously illustrated with full page plates showing the gentlemen connected with the establishment, views in the seed store, the storage warerooms, and seed cleaning room, trial fields, and other views, one of the most interesting of which are those of the five buildings where the concern has been quartered at succeeding intervals, the first one shown being the firm's original location in 1854, a minute building as compared to the one now occupied.

E. F. WINTERSON CO., Chicago, Ill.—Winterson's Garden Guide, Spring 1910. This firm has issued for the season 1910 a comprehensive catalog of Vegetable and Flower Seeds, in which will be found advertised all the standard novelties of the day. Considerable space is given to listings of Sweet Peas, Flowering and Ornamental Bulbs and Tubers, Gladioli, Dahlias, Cannas, Hardy Garden Lilies and Hardy Perennials, followed by a select list of Hardy Garden Roses, Decorative Trees and Plants, Flowering and Ornamental Vines, selected Shade, Ornamental and Fruit Trees, with a careful selection of small fruits of the better varieties. Tools, Sundries and Fertilizers are also advertised. The front cover carries an illustration in colors of Meehan's Mallow Marvels.

CHAS. F. SAUL, Syracuse, N. Y.—Saul's Select Seeds for 1910. This well established House presents, as usual, an attractive catalog, copiously illustrated and printed in large clear type. A select list of Vegetable and Flower Seeds is given, and particular attention is paid to Farmers' Requirements, two of the firm's specialties being their Onondaga and Columbia Brands of Timothy, of the first of which they sold over 25,000 bushels last year. Other specialties mentioned are Red and Alsike Clover, American Beauty Seed Oats and Southern grown Millet. Poultry Supplies, Tools and Requisites are also listed in goodly assortment. The covers are in green ink, a representation of vegetables is being shown on the front, and on the back a beautiful view advertising Saul's Central Park Lawn Mixture.

NEW ENGLAND NURSERIES, Bedford, Mass.—Trees and Plants for 1910. The grounds occupied by these nurseries comprise 800 acres in Bedford, Mass., and Geneva, N. Y. From this fact it will be readily understood that the nursery listings should be exceedingly comprehensive—and they are—everything in the line being offered in a full selection. A specialty is made of Roses adaptable to the New England climate, a number of pages being devoted to this one subject. This is followed by a listing of choice Hardy Perennial Plants. Rock Garden Plants, Hardy Grasses, Gladioli and other Summer blooming bulbs, Bedding Plants. Water Lilies and Bog Plants. Dahlias and Sweet Peas are also listed, as well as a choice collection of small and standard Fruits. The catalog comprises 80 pages which are of large size. This book should be in the possession of all New England florists and growers. It is copiously illustrated.

Headquarters for Easter Plants

AZALEAS One of Our Specialties

PREPARE FOR EASTER

Have Azaleas to burn, the best in the land, the best in the land, the best in the land, Azaleas in finest colors, to beat the band, to beat the band, to beat the band

If you would know the fairest sight your eyes can ever see,
Where the most perfect plants are grown, to Aschmann's come with me.
Why! Ne'er since flowers began to bloom was such a glorious show
Of all the best that florists need found in one place to grow.
The Lilies are the very best yet seen on Easter day,
Azaleas are whole sheets of flowers, perfect in every way.
The Araucarias matchless are, so are the Ferns all green,
With bulbs and plumed Spirea, the best you've ever seen.
And Aschmann gives a challenge, let every florist hear,
For flowers, or prices, either, no rival does he fear,
If you wish to gather dollars like violets in the Spring,
Then send your largest order; his plants the cash will bring.

CHANGING DON'T PAY!!

From whom will you buy your Easter plants? "I have no cause to change," several sensible men in the trade remarked the other day. "Our friend, Godfrey Aschmann of Phila., has been our reliable man of the past and shall, of course, be this year also."

Azalea Mme. Van der Cruyssen

The best pink Azalea in existence, so well known to every florist in America and Europe. Have three houses full, so covered with buds and flowers that the foliage is hidden. 75c., $1.00, $1.25, $1.50, $2.00, $2.50 to $3.00.

In large sizes we have the following varieties: **Bernard Andrea alba** (white), **Niobe** (white double), **Dr. Moore** (double pink), **Memory de Van Houtte** (large-flowering double pink), **Mme. Van der Cruyssen** (double pink; one of the best known varieties), **Helena Tellman** (rose; very attractive), **Empress of India** (double variegated), **Schreveriana** (double variegated), **Apollo** (red), all covered with buds. Price: $1.50, $2.00, $2.50 to $3.00 each.

In smaller sizes we have **Empress of India** (double variegated), **Simon Mardner** (double pink), **Vervaeneana** (one of the old standard double variegated), **Apollo** (red), **Mme. Van der Cruyssen** (pink; the standard of all the pinks), **Deutsche Perle** (double white), **Schreveriana** (double variegated). Price 60c., 75c., $1.00, $1.25 to $1.50.

Prof. Wolters, one of the so well known bright variegated, $1.00, $1.25 to $1.50.

Niobe, double white, 75c., $1.00, $1.25, $1.50, $1.75, $2.00, $2.50.

AZALEA Indica, one of our specialties for the last twenty-five years. Raised for us under contract by our Azalea specialist in Ghent, Belgium. Our stock of Azaleas that we ship is well known to our customers; it is the cream of Belgium exportation—full of buds.

What is the best pink variety? **Mme. Van der Cruyssen** is the name; originated by Mr. Van der Cruyssen of Ghent, Belgium. This variety is too well known by nearly every florist in America to be further talked about. All are as round as an apple, covered with buds.

Do you want to know why our Azaleas are good? Here is the pointer: We don't make a practice of selling them in the Fall, having the rubbish left for Easter, but plant them all as soon as unpacked into 6-7 in. pots, keep them cool and give them the best attention for Easter sales. Those not having many buds are kept over for another year.

KENTIA Forsteriana. Imported last Spring (1909) from Ghent, Belgium, in fine condition, 6-7 in. pots, 35-40-60 in. high, $1.25, $1.50, $2.00, $2.50 to $3.00; 4 in., 20c. **Belmoreana**, 6-in., $1.25-$1.50 each; 4-in., 25c.; 3 in., 10c.

EASTER LILIES. Japan Multiflorum, of our own importation, raised from special 10-in. bulbs, 6-in. pots, right for Easter. The large demand for Lilies exceeds the supply every year; we, therefore, ask that you order early. Price, plants with five buds and upwards, 10c. per bud; plants with under five buds, 12c. per bud. We can satisfy all wants if ordered soon.

NO PROFIT IN LILIES.

Owing to the small profit in the growing of Easter Lilies, an order for a reasonable amount of other stock should accompany all orders for Lilies.

CINERARIA Hybrida. We have a house full, 125 ft. by 21 ft., of the choicest colors—Henry F. Michell Co.'s best strain, just right for Easter. 5, 5½ to 6 in. pots, medium height, 20c., 25c., 35c., 50c., 75c. to $1.00. Just right for Easter sales. Same are in bloom now for immediate sale, if you wish.

BEGONIA, New Improved Erfordii. Always in bloom, Summer and Winter; 4-in. pots, very strong, $2.00 per doz.; 5¼-in., in bloom and bud, 25c., $3.00 per doz.

PRIMULA Obconica. 5¼-in. pots in bloom, $2.00 to $2.50 per doz.

FERNS for dishes, 2½-in. pot, $5.00 per 100.

Hyacinths. Raised from first-class bulbs of our own importation. These Hyacinths cannot be compared with ordinary stuff raised from cheap bulbs floating the market. **King of the Blues** (dark blue), **Grand Maitre** (lavender blue), **Gertrude** (pink), and **La Grandesse** (white). 4-in. pots, $12.00 per 100.

TOURNESOL TULIPS. Red or yellow variegated. This is the best selling double Tulip in the market. Will stay in bloom in good condition ten days. Three bulbs in one 4-in. pot, $1.50 dozen pots or $12.00 per 100 pots. **Murillo Tulips**, best double pink, 3 bulbs in a 4-in. pot, $1.75 to $2.00 per doz. pots.

Double Von Sion NARCISSUS. The best yellow Narcissus in the market, sells at sight; three double-nosed bulbs planted in one 5, 6½ to 6-in. pots. Price, $2.00, $2.50, $3.00 per dozen pots.

IPOMOEA Noctiflora. Best pure white Moonvine in market, very fragrant and as big as a saucer. On this variety we have a world-wide reputation as growers and shippers for the last twenty years. Price, 2½-in. pots, $5.00 per 100. 10,000 are now ready.

COCOS Weddelliana, 3-in., 15c.

BEGONIA Flambean. Sells at sight, 4-in. pots, 20c.; 6½-in. pots, 25c.

FICUS Elastica or Rubber Plant. Home-grown and Belgium stock, 5 to 5½-in. 25c.

LATANIA Borbonica. 4-in. pots, 20c.

HYDRANGEA Otaksa. Already forced, in bud, just right for Easter, 6 to 7-in. pots, 35c., 40c., 50c., 75c., $1.00 to $1.50 each. A whole house of Hygrangeas. Can supply all wants.

SPIRAEA Gladstone, 6 to 7-in. pots, large stuff, 50c., 75c. to $1.00 each. We have a house full of this Easter novelty, in better condition than ever—full of buds, just right for Easter. Order in time. Remember: Good Spiraeas are scarce this Easter. Why? Owing to the bad weather in Holland.

To save express charges please state if wanted in or out of pots. Cash with order, please. No references will be investigated in these busy times.

GODFREY ASCHMANN

Wholesale Grower and Importer of POT PLANTS

1012 W. ONTARIO ST., PHILADELPHIA, PA.

Please mention the Exchange when writing.

F. E.—The Best Advertising Medium

Easter · Notes

OF INTEREST TO THE RETAIL GROWER

By FRITZ BAHR

Pan of Tulips Couronne d'Or

The Easter Display

Much Depends on the Proper Presentation of Stock

After all, it should not make a bit of difference whether one is located on Fifth avenue or on a side street in a small town, a display for Easter is necessary if a retail trade is conducted. The more attractive the display the more business will be done. At no other time during the year have we a better chance to make a display than at Easter; and while Christmas is getting, with many of us, more and more a day for the disposal of pot plants, Easter always was the day for this, long before there was any trade at all for Christmas, in this country. Now, about the show house. It is almost needless to say that it should be well shaded for Easter, for bright sunlight on a warm day will finish a pan of Tulips, or an Azalea a little far advanced, in short order. It matters little what is used to keep the sun out, only don't resort to a mud wash if the roof isn't in perfect condition—in case of unexpected rain this might prove expensive, with Lilies especially.

There is no doubt but what a show house with very low benches, or no benches at all, is the most satisfactory in which to display the plants. A 3 ft. or 3½ ft. bench is certainly not a thing on which to show off a tall Crimson Rambler Rose, or even a Lily—one doesn't want to look up to see these plants.

We know the small grower often uses one of his houses for show purposes at Easter, one which is to be filled up with bedding stock right afterward, and that the pipes under the benches will prevent him from using the floor space for anything else. However, it is well to bear in mind, whenever erecting a show house, the expediency of placing the heating pipes either altogether under one or two side benches, or hanging them against the wall, which is even better. There is hardly a plant, Lily, Lilac, Azalea or Rose which doesn't show off 50 per cent. better when looked down upon.

This holds good even with the bulbous stock or dishes of Pansies and Violets. A bench 18" or 20" in height won't hurt, but when it comes to the ordinary height of a greenhouse bench one sacrifices effect.

It might seem to some reader a waste of space to write about a show house, for most of us have such a place; but to such I will say that I am personally acquainted with men who conduct retail places without having set aside a space for the display of their stock—and some of them are good growers. You will find the Lilies in one house, Azaleas, Rhododendrons and Spiræas in another; on a side bench, in some corner, is a batch of Kaiserkroon Tulips, and in another house we find some Hyacinths, and so on; this may sound unreasonable, but nevertheless it is so.

Taking Care of the Easter Display

It should be one man's job to look after the show house; when left to two or three there is trouble. The display should be re-arranged every day during the week preceding Easter Sunday. Every unsightly plant ought to be removed; so with every faded flower—one bad flower on a Primula obconica or Azalea may cost a sale. Who of us hasn't had that experience? At this time of the year one can go over plants of either of the two above mentioned varieties once every day and find bad flowers.

The beginner's attention should be called to the necessity for removing the pollen of the Lilies. Here and there we get a customer who objects to a Lily flower without its pollen, but these cases are only few compared to the number of customers who complain if the pollen has remained long enough to soil the flower.

Don't ever permit a plant which is sold to remain in the show house. It seems that the minute a customer sees a plant with a tag marked "sold" on it, such plant look better than anything else on the place. Remove the plant and put another in its place.

Don't allow stock to be scattered all over the house. As soon as it begins to thin out use only a part of the house, or bench the plants are on, but keep up the show. It is far better to have the balance of the house empty than to have here and there a plant, or a few pots of Lilies where the tops have been cut off to fill an order for cut flowers. A show house not kept up properly is worse than none at all.

A White Wistaria

Delivering the Easter Stock

Necessity for a System

As necessary as the show house is a proper place to store the plants which are sold and are to be delivered for Easter on Saturday and Sunday. In almost every case, the plants selected are blooming ones, such as will need a shady and cool place to keep them in good shape and insure their being at their best for Sunday.

There are certain things to which the beginner especially should pay the strictest attention if he wants to go through this world with as little trouble as possible. Among them, at Easter, the necessity of getting the right address to which a plant is to be delivered, the time it is to be sent, and seeing to it that it gets there on time. There is nothing more important after a sale has been made than this, and nothing that could create more trouble than failure to carry out instructions. Mark on the tag—preferably on the back of it—when the plant is to be delivered, and note what else, if anything, is to accompany the plant so tagged. If the plant is to be sent as a present, with the sender's card, the placing of the card in a waterproof envelope and fastening of it to the shipping tag on the plant is about the safest way for the average retail grower. When it comes to an up-to-date store, other and even better plans, which, however, entail more bookkeeping, are made use of.

Now, if you deliver a Cyclamen or Azalea required for Xmas on December 24, in the morning, there is every possibility that the plant will be in perfect shape by dinner time on Xmas Day. At Easter, however, when a few hot days are not unusual, and you have sold a dish of Daffodils, the flowers in which were wide open, and the dish perchance had been kept in a cold, dark place for some time, it would be in a very poor shape by dinner time on Easter Sunday if delivered early Saturday morning and exposed to a high temperature for 24 hours. Don't do it. Make every effort to have what you send out at its best on Easter Sunday—that is what is was bought for. Go over your deliveries the evening before, divide your orders into sections, north, south, east and west. Many steps are often saved by having one good man take care of this end of the work. Even if you are only doing a small business, have a system—it is absolutely necessary in order to be successful, for by it a far greater volume of business can be done, easier, and with better satisfaction to your customer as well as yourself.

The Bulbous Stock

Easter Is the Day to Dispose of It

Outside of Lilies, the bulbous stock plays an important part with many of us at Easter. We sell more for that day than we do for the six weeks previous or following, and the best way to sell either miniature Hyacinths, double and single Tulips, Daffodils and Jonquils is in pots and dishes. A dozen cut Daffodils present an appearance not to be compared with twelve flowers in a 7" bulb pan, and while 60c. per dozen for the cut blooms is about what the average florist realizes, a customer will pay $1 for the same number of flowers when in a pan. And so with the Tulips. What a showing twelve well grown Murillo, Tournesol or Golden Crown Tulips will make in a low dish!

All of the bulbous stock should be practically open on the Monday before Easter; especially does this hold good with the double Tulips, which, if they are then put into a rather dark and cold place will improve every day up to Easter.

Don't put too many of them in the show house or store, as heat, even without sun, will open the flowers wide and soon spoil them. Have just a few on display. Of late years we have not grown any of the bulbous stock in the pans or dishes they are sold in. We find it better to grow them in flats, allowing a little room between the bulbs, and giving them plenty of time to get into bloom; in a light, cool house we get short stocky plants which never suffer on account of being transplanted. Don't wait until the last minute before filling the dishes; have them ready fully a week ahead, as you will no doubt be so busy the last few days that it is folly to put anything off that can be attended to a week before. If the stock isn't all sold the flowers will be just as good to cut as those in the flats. We fill pans from 4" in diameter up to 12", and while we have call for both we find pans of about 7", such as can be disposed of at $1, the best sellers.

The white, light blue and shell pink miniature Hyacinths are excellent material for the pans, only be careful not to have them too far advanced, which is liable to happen with a few warm days. Keep the bulk of them in a cool place, and have a few good open ones on show to take orders from. A Hyacinth when full open usually needs support, and with a pan containing 12 to 15 plants,

A Well Flowered Azalea

Basket of Rhododendrons, Azaleas and Ericas

supporting is quite a job, when you have everybody busy. Keep the plants cool; one day, even in a Rose house temperature, will bring about a wonderful change, even to those which are decidedly backward.

The Importance of a Good Salesman

If you have, for instance, an extra quantity of white Tulips on hand, which you are anxious to sell for Easter, it will never do to take up most of the space in the show house with them in order to dispose of them. Just the opposite plan is the correct one. Have only a few neatly filled dishes, hampers or pans on display; but when a customer enters, undecided as to just what to buy, that is the time to talk white Tulips. If you do this nicely you will get rid of far more of them than you would by having them displayed in quantities, for the average customer is much more likely to select something of which there are only a few pots in sight than in the other case.

This, of course, holds good with other flowers, outside of Lilies, which always sell. If a customer comes in to select other plants, in nine cases out of ten it means the writing of a tag for a Lily. A good salesman can do a great deal, especially when a customer is undecided as to what to buy. Calling attention to the good points of a plant, such as its being appropriate for the occasion wanted; its keeping qualities, being unusually well grown stock, its great popularity and so forth, will all help to induce the customer to decide in favor of it; and there is nothing wrong in this method, it is perfectly proper. Blooming stock sold for Easter is meant for that day, and the customer wants it at its best for that day—hardly ever is it a question of how long the plant will really last.

The Roses

Wonderful additions have been made to the list of Roses suitable for Easter. The Rambler family has proved indeed most valuable for this purpose and, by the way, a well grown Crimson Rambler is hard to beat, only we don't see enough of them—far less in the West than the East. Here and there you find a few good plants, but extra fine stock seldom. If you have a nice stock of the Baby Rambler every one will find a buyer. A good stocky plant with shiny green foliage and plenty of flowers, the pot neatly trimmed with waterproof white crepe paper is a great seller with most out of town florists.

We have a few of that beautiful little Rose Tausendschon which promise to be just right for March 27, and surely will sell. You won't make any mistake if you prepare a good stock of this variety for another year, as also of the pink Baby Rambler Mrs. Cutbush, Dorothy Perkins and Lady Gay. Watch out for the Hybrid Roses in pots; they may seem a little backward a week before Easter, but a few hot days, such as we have every reason to expect at this time of the year, will open them flat, never to close again.

The Stock Usually Carried for Easter

Among the plants other than Lilies for which there is a demand the Azaleas are away up to the front in popularity, and there are more of the variety Van der Cruyssen grown and sold than any other. While the large stores have an occasional call for a $10 or $20 plant, the average florist wants stock which he can retail at from $1.50 to $3. Azalea mollis is also grown more extensively than ever. The only way we ever have a chance to see it in bloom in the West is in the greenhouse, for it will not stand our Winters; and this holds good with the Rhododendrons. I might say of the latter that far more plants could be sold if the public were to see more of them.

As next in importance I might mention the Hydrangea. With us there has been a falling off in the demand for them at Easter and an increase around Decoration Day. Last year we had quite a number of calls for them on Decoration Day from people who wanted something better than 25c. Geraniums; and Hydrangeas, while by no means to be considered ideal plants for a grave decoration, as far as lasting is concerned, certainly make a show.

The Primulas, such as veris and obconica, are also considered most important plants for Easter, in particular the obconicas. We have plants on hand which have, practically, bloomed all Winter and are now at their very best. Either as single or made-up plants they are valuable.

Spiræa, like the Roses, have seen a number of beautiful sorts added to the list, among them that excellent white, Gladstone, which makes the Japonica look cheap; and that grand pink, Queen Alexandra, which, however, is not at its best when Easter comes so early.

A beautiful Easter plant, and, by the way, not grown in quantity enough, is Bougainvillea Sanderiana. This plant is of the easiest culture, requires so little care, and is so showy when in bloom that every retail grower should have a good stock of it, both pot plants and a few plants in tubs for cut flowers.

The Genistas are just right with us, and this year as many as ever will be sold; there has not been an Easter in the last 30 years when we were without them, a little more than we can predict for the future.

Basket of White and Red Carnations, Pussy Willows, Asparagus Sprengeri and Ribbon

A good, bushy Marguerite, with 50 or 75 open flowers and a dark green pot cover will catch my lady's eye as much as anything you could present. Don't forget to fill some low dishes with small stock in bloom; this is one of the very best sellers; we never have enough.

Bulb pans, in sizes from 6" to 12", filled with blooming Geraniums out of 2½'s and 3's, is another item the average grower should not overlook. There are other things one might especially grow for Easter which don't sell one-half as well.

Violets, if you have them on the grounds, form another good seller when planted in dishes. The Lady Campbell variety, even if a little pale in color, can't be beaten as a pot plant. Blooms are what you want, and if the plants should be small use several for a dish, sufficient so as to have the foliage cover the rim of the dish. The soil in the dish should never show.

Pansies? Yes, Easter is the day to sell them as made-up plants in low dishes.

Of Lily of the Valley in pots provide a good stock, there is great demand for them.

Lilacs fill the bill when a customer wants to spend $3 to $5. The one objection to them is their bare stems—some trimming by the artist is needed to overcome this defect.

While the above form about the main assortment with most of us, the following shrubs, when well done are all beautiful and well worth having: for instance, a Wistaria when in full bloom is a grand thing, so are the flowering double Almond, Prunus triloba, Hawthorns, Spiræa Van Houttei, and others.

New Books

INDOOR GARDENING, by Eben E. Rexford. J. B. Lippincott Company, Philadelphia and London.

Seedsmen and florists are importuned, through nearly all the four seasons, for advice in the line of directions of how to plant, cultural directions, soil to use, and other score and one questions. The obliging salesman tells all he knows, and the customer, much gratified, goes away—in the majority of cases to promptly forget the directions or else to get the advice given so inextricably mixed as to make it worthless. It is to be understood we are speaking of the amateur customer.

To relieve salesmen of much of this strain—and, incidentally to save the House's time, particularly valuable in rush months—many good books have been written, among them this one, which solves in minute description and easily understood phraseology a large majority of the problems so bothersome to the uninitiated.

"Indoor Gardening" is the newest book on this order. In all probability it was not written with an eye solely to the purpose for which we now recommend it, but as it is essentially a book for amateurs, and as this notice will not be read by that class, it is therefore only through the professional we can expect to see it so recommended.

Mr. Rexford's book aims to supply in plain and simple terms such information as the amateur gardener stands in need of; to state that he has performed his task thoroughly and in a pleasing manner is our verdict. The flower lover who follows this author's directions will never go far wrong.

The subjects treated are practically all such plants as can be grown indoors; the text is large, making for easy reading, the language used pleasing and not at all dictatorial and the book is well and sensibly illustrated.

It is a safe work to recommend to customers.

National Sweet Pea Society of America

Additional Prizes Offered for the 1910 Exhibition

THE PETER HENDERSON & CO.'S PRIZES. A $10 gold cash prize to be awarded the amateur exhibitor of the best and most distinct collection of 25 varieties of Sweet Peas, including not less than six of the Spencer type; the number of sprays to each variety to accord with the Society's rules. Also a $10 gold cash prize to be awarded the amateur exhibitor of the two best vases of the flowers George Washington and Martha Washington Sweet Peas, each vase to contain not less than 25 sprays.

THE HENRY F. MICHELL CO.'S PRIZE. $10 for the best three vases of Sweet Peas (one vase of each variety) varieties Frank Dolby, White Spencer, Mrs. Alfred Watkins. 1st prize $5, 2d prize $3, 3d prize $2.

THE C. C. MORSE & CO.'S PRIZE. A silver cup, value $25, for the finest collection of Sweet Peas. Open to the trade only.

THE FLORISTS' EXCHANGE PRIZE. For best vase Countess Spencer, 1st prize, $3; 2d prize, $2.

HARRY A. BUNYARD,
342 West 14th St., New York City. Sec.

[The above list is supplementary to that published by us on page 167, issue of Jan. 29. A full schedule of prize offers is now in preparation, and may be had on application to the Secretary.]

A Well-flowered Purple Rhododendron

GREENHOUSE HEATING

By Fredk. J. Elder, Heating Engineer for the Lord & Burnham Co.

Concluded from page 480B

Systems of Greenhouse Heating

- 1. Water Hot
  - a. Open tank gravity — 3½" C. I. pipe; 2" W. I. pipe
  - b. Closed tank or pressure — x. Safety valve; y. Mercury Seal
  - c. Forced Circulation
    - a. Water heated in C. I. boiler
    - b. Water heated in Converter or Feed water heater
    - c. Water heated in Tubular Water Boiler
    - Propeller driven by electricity, Centrifugal or Rotary Pump driven by steam, electricity, or gas or oil engine Piston pump driven by steam
    - "rust" caulked joints or screwed joints
- 2. Steam
  - a. Low Pressure Gravity Return
  - b. Low Pressure Return by Steam Trap
  - c. High Pressure at Boiler, Reduced Pressure in Greenhouse and pumped return.

Open Tank Gravity Hot-Water

I have mentioned that there are over-bench and under-bench heating systems. However, the whole of the radiation or even the bulk of it is very seldom placed overhead, although the mains are often carried overhead on roof supports. The coils are then fed at the far end of the greenhouse, and all coils in this system are return coils. This plan is much used in the western States, but not much used in the East. Its principal virtue is that a deep pit is not necessary with it for the heater, and as there are many sites where it is not possible or practicable to secure a boiler cellar of reasonable depth, because water is near the surface, or rock formation makes it too expensive to excavate, this system is at times a matter of necessity. The great objection to the overhead system of hot water heating is that it is difficult to heat the greenhouse evenly, because the far end of the house is bound to be warmer than the near end or that adjacent to the boiler cellar. This is due to the fact that the coils are fed at the far end and the fault is more noticeable in long than in short houses. The most common and the simplest arrangement of piping for hot water is in coils of parallel lines under the benches —these coils being vented at the high end, which is at the far end of the greenhouse. The coils may be either vented by air cocks, which must receive regular attention, or by automatic air headers which require no attention. The most even distribution of temperature is procured by dividing the coils into an equal number of flows and returns (see diagram).

I have mentioned that large pipes and small pipes are used for hot water heating. The large pipes referred to are 3½" cast iron pipes which are cast in lengths of 9' 0" and are caulked together by the use of the rust joint. This joint is made by caulking into the head of the socket of the pipe or fitting several strands of tarred rope for a foundation. On top of this foundation iron borings moistened with water are caulked. This joint when tightly and properly caulked is one of the best joints possible, for it is then of the same substance and same consistency as the pipe itself, and is, therefore, subject to the same degree of expansion and contraction.

I have explained the great advantage of using large pipes, i. e., that they carry their heat better through the night than do smaller pipes. There is another and quite as important a quality, which is that cast iron pipe will often last twice as long as wrought pipe. Cast pipe resists corrosion longer than wrought pipe. There are many systems still in use which were constructed thirty-five or forty years ago of cast iron pipe.

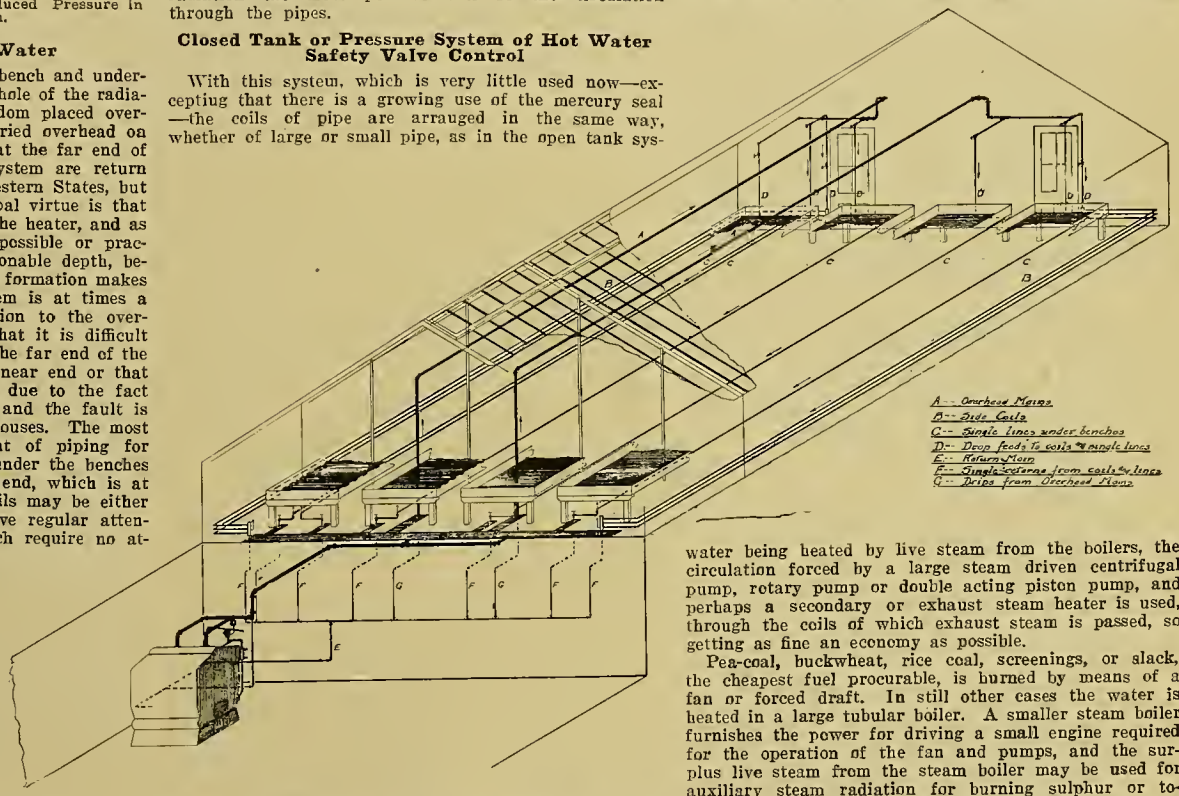
The small pipe referred to is 2" wrought iron pipe, which is used now more extensively in commercial plants than in private systems. The reason for this is, doubtless, that wrought iron pipe is cheaper per lin. ft. and cheaper per sq. ft. of surface than cast pipe, and also because the commercial grower is willing to give some attention to his heating system if necessary, through the night, if his plant is small, and if his plant is large he keeps a night fireman, so the carrying power of the larger pipes is not expected and is not so necessary.

The coils of 2" pipe are constructed in the same manner as those of 3½" pipe and are placed in the same way under the benches, only it is necessary to place more lines of 2" pipe than would be necessary of 3½" pipe. 1.68 lin. ft. of 2" pipe is equivalent to 1 lin. ft. of 3½" pipe in superficial surface, and contains a little more than one-half the quantity of water contained in one lin. ft. of 3½" pipe. Two-inch pipe fittings and automatic air headers are now made with hubs so that 2" pipe may be caulked into the fittings with rust joints, and a variety of hubbed coil fittings may now be found on the market that are not to be duplicated in screw fittings. The use of such fittings is attended with a considerable saving of labor and expense for tools.

The mains of a gravity hot water system are generally run parallel to each other in cellar and trenches. The flow main and return main are of the same size of pipe. The expansion tank should be placed as high as possible above the radiation and be connected to the return main near the boiler or to the boiler itself, as low as possible, by the expansion pipe. The capacity of the tank should be about 1-24 of the aggregate capacity of the coils, mains and boilers. The boiler should be located in a pit which it is always an advantage to have as deep as practicable. The lower the heater below the radiation the more positive will be the circulation through the pipes.

Closed Tank or Pressure System of Hot Water Safety Valve Control

With this system, which is very little used now—excepting that there is a growing use of the mercury seal —the coils of pipe are arranged in the same way, whether of large or small pipe, as in the open tank system. The mains are practically of the same size, and the boiler is the same, the expansion tank only being different. The expansion tank is provided with a weighted safety valve at the vent or overflow. This valve opens when the water reaches a certain pressure. There is always some danger that the safety valve will become corroded and so become inoperative, in which case an explosion is certain. The object of the safety valve is to put the water under a pressure and so attain a higher temperature in the pipes, and perhaps a little better circulation, and also to diminish the quantity of radiation necessary. This system is not recommended for greenhouse heating. The desired results are seldom attained in practice, and the element of danger is too great.



Mercury Seal Control

The Mercury Seal, or heat generator as the manufacturers call it, is a device placed on the expansion pipe between the boiler and the tank in such a manner that the increased volume, or expanded water, must force itself through a pot of mercury, the specific gravity of which is 13.6, which keeps all the water between the boiler and the seal at a pressure of about 13 lbs. This device is safer than a weighted valve, but the same purpose may be accomplished by increasing the elevation of the expansion tank, which is certainly simple, although it is not always possible. It might be added here that simplicity is undoubtedly a virtue in greenhouse heating. Every valve and every device of every kind should be as nearly fool proof as possible.

Forced Circulation of Hot Water

There are so many different combinations of forced circulation units that there would not be time to explain them all if I could name them. The simplest of these systems would be more correctly called accelerated hot water circulation. The system is in every detail constructed like an open tank gravity system excepting that a propeller, driven by electricity, is inserted into one of the mains, and the propeller or circulator increases the velocity of the circulation. This device is practicable and of much merit.

It will be recognized that it is a difficult matter in a large greenhouse range heated by a gravity system of hot water to make every coil an efficient unit. There are numerous coils of all lengths, sizes and shapes conforming to the peculiarities of the range of houses and to the bench arrangement in the houses. The expansion tank is not in the attic on the second, third, or fourth floor, as in dwelling house work. It is often, in fact, within 4' 0" above the level of the coils, so there is very little head, and the circulation due to gravity alone is in some coils sluggish, to say the least, in large ranges. To such systems a circulator or accelerator is a decided benefit.

In other cases a small centrifugal pump is used. This may be driven by an oil engine, a gas engine, a steam engine or by electricity. In still other cases a large steam boiler or battery of boilers is used, and the water is heated in a large converter or feed water heater, the water being heated by live steam from the boilers, the circulation forced by a large steam driven centrifugal pump, rotary pump or double acting piston pump, and perhaps a secondary or exhaust steam heater is used, through the coils of which exhaust steam is passed, so getting as fine an economy as possible.

Pea-coal, buckwheat, rice coal, screenings, or slack, the cheapest fuel procurable, is burned by means of a fan or forced draft. In still other cases the water is heated in a large tubular boiler. A smaller steam boiler furnishes the power for driving a small engine required for the operation of the fan and pumps, and the surplus live steam from the steam boiler may be used for auxiliary steam radiation for burning sulphur or tobacco in the houses, keeping gutters free from ice, or for cooking manure water, and very little heat need be wasted.

The mains for such a system are small. They are smaller than are necessary for the steam main of a steam system of the same size, which are in turn considerably smaller than those required for gravity hot water systems. Forced circulation of hot water is, without doubt, the ideal heating system for large ranges of greenhouses, whether for private or commercial use. By this system a mild heat so much desired for plant culture is obtained. The system has a range of heat almost as great as a steam plant. It is nearly as responsive and does not require such large pipe for mains or connections as either steam or hot water. Neither does it require large pipe for radiating surfaces, because it does not depend on a large quantity of heated water in order to keep up the required temperatures.

Low Pressure Steam Gravity Return

The radiating surfaces of this system are placed in the same general positions as are hot water radiating surfaces, that is under benches and on side walls. There are as many or more ways of constructing and laying steam coils as there are of hot water coils. It is only necessary, however, to avoid water pockets, or in other words to secure a good natural drainage, i. e., by gravity of the water of condensation. This is obtained by arranging the piping in proper size and pitch.

There are two principal ways of arranging the coils, under the benches and at the sides of the house. One

way is converging the coils so that the steam and return valves are at the same end of the house. The pipes begin at one end of the house, a considerable distance apart, and pitch so that at the far end of the house they approach each other very closely. The condensation is then carried with the flow of steam, the pipes pitching all the way. (See diagram). The other way is to carry the mains overhead in the same way as previously described in hot water overhead mains. This system is not objectionable for steam, as it is for hot water, for the reason that there is little loss of pressure in the length of the coils, and consequently very little change of temperature in the length.

The steam mains may be run with the return mains in a trench, or the steam main may be overhead. It is only necessary to keep the steam main free from water.

Low Pressure Steam with Steam Return Trap

In many cases it is not practicable, perhaps not possible, and maybe not desirable to excavate a pit of sufficient depth for the boiler so that the water of condensation may be returned by gravity. In such cases the water is returned to the boiler by means of a return steam trap. There are a number of different designs of return traps, but they all work on about the same principles. They are usually placed at a height of about 3 ft. above the boiler and connected to the boiler by two pipes, a steam pipe to the top of the boiler and by a water feed pipe to the bottom of the boiler. They are also connected by a vertical pipe to a receiver, into which the returns drain. The operation of these return traps is, briefly, as follows: The condensation of steam in the vessel of the trap causes a partial vacuum to be formed, and as there is some pressure against the water in the receiver, the water is forced up into the vessel which is so fixed as to tilt when it has received its load. This tilting opens a valve, which turns the steam into the trap, thus putting the full boiler pressure of the steam upon the bucketful of water, and closing the check valve in the pipe connected with the receiver, so that the whole charge of water in the return trap falls into the boiler by gravity.

High Pressure Steam

High pressure steam is not adaptable for use in radiation in greenhouses—the heat is far too intense. However, high pressure steam is often used with a reducing valve, so the average temperature inside the greenhouses is considerable less than that in the mains or at the boiler. It is then found necessary to use a pump to return the water of condensation, and this pump may be operated by the high pressure steam. The pipe coils are distributed through the greenhouse in the same manner with this system as with other steam systems.

Among the Growers

A Visit to George Field, Washington, D. C.

It is popularly, but often erroneously held that an Englishman cannot appreciate humor and a joke, but when on Saturday last your correspondent called on George Field of Brightwood ave., he was found, as usual, a living contradiction of such statements, full of vivacity, wit and humor, and possessing a cordial manner of which any man may be proud. Here is the story of a selfmade man, who talks freely and in a most instructive and intelligent manner on any subject, but maintains a silence concerning personalities which is exemplary.

After a social and most entertaining half hour in his library the greenhouses were visited and it can be truthfully said no courtesy was omitted. There are sixteen houses in all, or a total aggregate of 60,000 sq. ft. of glass, devoted exclusively to Orchids and Summer-blooming Roses in proportionate number. The houses were built a good many years ago and designed for Roses and Carnations but, later, when the neighborhood became more thickly settled and soil for replenishing the benches was no longer to be had in sufficient quantities, the culture of Orchids was commenced.

Like many other beginners, and in spite of his earlier training, many failures and obstacles were encountered and conquered, until today a flourishing business, the largest of its kind in this vicinity, stands substantially as a monument to Mr. Field's energy, and is a fitting exchange for the various earlier vicissitudes and experiences. For years, Mr. Field's ambition was to produce Orchids all the year round and thus even up receipts accordingly. This entailed much risk and the purchase of many varieties, but he now believes a proper solution has been reached.

One entire house of Cattleyas is kept for Summer use, and also a large quantity of C. gigas, which are in excellent shape. One of the first and most lasting impressions of a visit to this place is the healthy and vigorous appearance of all the stock. Being my misfortune to go at a time when there was a minimum of bloom, I was invited to come when the houses are in full crop, which invitation was accepted. Local retailers consume 25% of the output of this place, while the remaining 75% is shipped to other cities. Only the best and tested commercial varieties of Orchids are grown with Cattleya Trianæ held in highest esteem as a bread winner. The majority of Mr. Field's importations come direct from South America, Colombia, and the adjacent isthmus, the varieties varying with their respective altitudes. Many purchases are made from the owners of the Orchid bearing lands while others are from collectors and import houses North.

Cattleya gigas being a shy bloomer and in demand, requires a position with more light than the others, and each house has its own hospital ward located in easy access where, at this the season of going over and repotting, the sick and weak plants are concentrated together.

One house is devoted exclusively to Dendrobium Phalænopsis; this is a specialty, and contains some 1200 plants the picture of health. Dendrobium Formosum giganteum is also a favorite and is proving a great success.

There is a limited stock of Odontoglossum crispum and Pescatori, very difficult of culture but which are succeeding well; these, like many other varieties of Orchids, are grown outside under slat houses all Summer.

Mr. Field has been conducting an experiment with Aphine—(by request)—on his Cypripediums with very pleasing results; they were infected with white scale.

Being strictly a commercial place, all varieties of Orchids are grown in pans or pots on slat staging, arranged at varying heights from the ground. Under these stages are grown Asparagus plumosus, Adiantum cuneatum, and A. tenerum. In the eight Rose houses are grown Roses Kaiserin, My Maryland and Cardinal, while outside are a fine lot of Maman Cochet for Summer bloom.

JAS. L. CARBERY.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: "Saw your advt. in the Exchange"

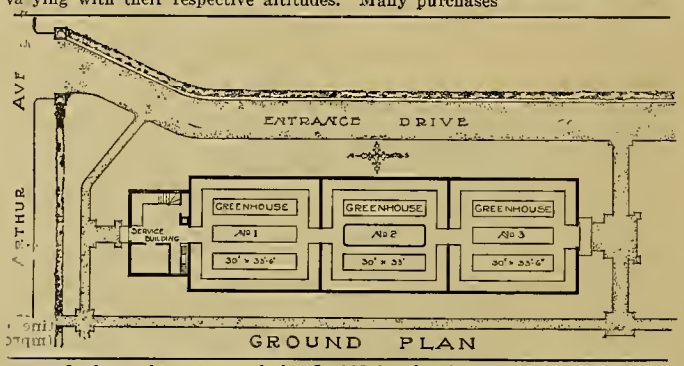
Santa Barbara, Cal.

In a decision handed down by the Superior Court of Santa Barbara County on Feb. 21, Dr. Franceschi, formerly president of the Southern California Acclimatizing Association, was enjoined from selling any of the plants at Montarioso, Cal., a nursery recently established by him and conducted by his daughter; he was further ordered to give an accounting of those plants already sold, as also to surrender the seeds, plants and correspondence he had received while president of the Association.

Dr. Franceschi is a man of wonderful energy, enthusiasm and a lover of plants, as well as a botanist of no mean accomplishments, and has done more in the way of introducing valuable, ornamental and economic plants to the Pacific Coast than all other men and agencies combined, Burbank's experimental grounds included. Attempts are quite likely to be made on behalf of Dr. Franceschi that he may be enabled to continue his work, his services to the community being too valuable to be lost to posterity.

A City Greenhouse for Scranton, Pa.

Herewith we illustrate the greenhouse to be built at Nay Aug Park by Hitchings & Co., of New York City, and to be turned over to the Bureau of Parks of Scranton, Pa., as the gift of John Cleland.



The new greenhouse will be located at the lower end of the park, along Park Drive, and near Arthur ave., between Linden st. and Ridge Row. It will be 100 ft. in length and 30 ft. wide. The material used in the construction will be mainly glass and iron, the glass being double thickness. At the lower end, shown on the left in the cut, will be the potting room. Below this will be the boiler room, where a hot water heating system will be installed.

The structure will be divided into four compartments, the service room on one end, and three sections of 30x33 ft.

TRADESCANTIA THURINGIA.—This novelty is recommended in Moeller's Deutsche Gaertner-Zeitung as an improvement on Tradescantia laekenensis, which was introduced last year. While the variegation in T. laekenensis has not proved constant, and requires a continuous replanting of variegated cuttings in order to preserve the desired coloration in a hanging basket, plants of T. Thuringia, so far under observation, have continued to produce leaves true to the new type, being light green with white stripes. In pretty contrast with this coloration are the sky-blue flowers; these have only two petals, the place of the third being taken by the stamens and pistils, thus giving the flower a somewhat imperfect appearance, and its flowering period also of rather short duration. Nevertheless, the general effect of the plant is very charming, and it may well be regarded as the most handsome Tradescantia now on the market. It was originated by F. & O. Spittel of Arnstadt, in the province of Thuringia, Germany.

A friend to whom we sent a copy of Mr. Oliver's Bulletin, "New Methods of Plant Breeding," writes:

"You sometimes hear it said, 'There is nothing new under the sun,' but Mr. Oliver, through his experiments, has proved that in plant breeding we have yet much to learn, and that the lesson, when learned, will be an advantage, not only to horticultural, but to agricultural interests generally, and so conduce to increase the wealth of the nation through the production of improved forms of fruits and vegetables. * * * To me the chapter on the crossing of flowers has an especial interest and will be given careful study."

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DEPARTMENT OF PARKS,
City of New York, Boroughs of Brooklyn and Queens

Borough of Brooklyn, *March 7, 1910.*

To the Aphine Manufacturing Co., Madison, New Jersey.

Dear Sirs:—

Having received your sample of Aphine, I at once made a test for mealy bug on coleus and crotons and the effect was marvelous; the mealy bug dried up without any damage to the plants. Have since purchased four gallons of Aphine and used the same according to directions, **with Spray,** *on green and white fly, also scale on palms, with the same success. I am more than pleased at the results of your insecticide, and will continue its use, as it is safe, sure and reliable, and can honestly recommend it to all my brother craftsmen.*

Very Respectfully Yours,
EDWARD J. WALTERS,
Head Gardener, Forest Park Greenhouse and Nursery

See Pages 509 and 543 for Other Aphine Indorsements

Please mention the Exchange when writing.

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Honors to Frank R. Pierson

Frank R. Pierson has been elected president of the village of Tarrytown, N. Y., by a large majority of votes.

Passengers arriving from Bermuda declare there is likely to be a comparatively small consignment of Easter Lilies shipped here this season.

123 WARREN STREET (Near West St.) NEW YORK

NOTICE

To My Friends and the Public.

I have leased part of the building at the above address for a term of years.

I am now in a position to serve my Friends and the Public more faithfully than ever, and will be greatly pleased to have an enquiry or call.

Tested and Reliable Seeds, Bulbs and Plants. Anything you want for the Garden.

And at Reasonable Prices.

You can pay more—you cannot get any better qualities.

C. McTAGGART

SEEDSMAN AND FLORIST

123 WARREN ST. (Near West St.)

NEW YORK

I cannot thank too sincerely my old customers and business associates for the kindly and hearty response with which the announcement of my starting into the Seed Trade for myself has been received.

Please mention the Exchange when writing.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter.

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The address label indicates the date when subscription expires and is our only receipt therefor.

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Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

A Correction

In our last week's issue, page 462, we mentioned that M. H. Stetzer of Knoxville, Tenn., is enlarging his greenhouse and will install a new boiler. The address of Mr. Stetzer is Morristown, Tenn., not Knoxville.

S. A. F. and O. H.

Department of Registration

As no objections have been filed, public notice is hereby given that the registration of the Begonia "Glory of Cincinnati," by J. A. Peterson of Westwood, Cincinnati, Ohio, becomes complete.

H. B. DORNER, Secretary.

March 10, 1910.

Canadian Horticultural Association

At a meeting of the executive committee held on Tuesday, March 8, at St. Catharines, Ont., the following arrangements were completed. The Association will hold its convention this year on Aug. 10, 11 and 12, at the Carnegie Library, St. Catharines, the first session opening on Aug. 10 at 2.30 p.m. On Friday, Aug. 12, the delegates will be the guests of the city and the local club. A trade exhibit will be held in a hall adjoining the Library. The Society will make the Welland Hotel its headquarters. It is the intention of many of the visitors to this convention to go to Rochester, N. Y., after the meeting, to attend the S. A. F. convention.

Our Easter Number

The idea of publishing a Spring or Easter issue, for the purpose of drawing trade attention to the opportunities open for business at that time of the year, was first conceived and carried into effect by The Florists' Exchange; this was in 1890. The regular weekly issues at that time averaged four pages; the big Spring number ran this up to ten pages.

In 1891, the idea had gained headway and our Spring issue consisted of twenty-four pages, the regular issues averaging from eight pages in the dull months to sixteen pages when business was brisk.

Since then the development of the florist industry has been almost continuous with the exception of the periods of panic.

Our issue this week contains 72 pages, the largest Spring trade number we have ever had. From beginning to end it is a straight business proposition without frills or padding.

Much valuable reading matter has been incorporated which, we trust, our readers will find leisure, even at this busy season, to peruse.

We return our hearty thanks to the live advertisers who are our patrons and recommend our readers to purchase of them. Practically every seasonable want of florist, seedsman or nurseryman can be supplied from the offers in this issue.

New York Florists' Club

The regular monthly meeting of the New York Florists' Club was held in the Club rooms, Grand Opera House Building, 23d st. and Eighth ave., on Monday evening, March 14. President A. L. Miller occupied the chair and there was quite a large attendance of members. In the absence of the secretary, John Young, who was in Rochester at the meeting of the Board of Directors of the S. A. F. of which he is a member, the office of secretary was filled by J. H. Pepper.

After the reading of the minutes, Patrick O'Mara called the attention of the Club to the fact that Secretary Young was absent from his post for the first time in twenty years and expressed the thought that some action should be taken looking to his punishment for the offence.

Walter F. Sheridan, chairman of the committee having in charge the arrangements for the annual dinner, made a report. He stated that Mr. O'Mara would officiate as toastmaster on the occasion and that an interesting program had been prepared. He detailed all the arrangements which had been made, and which, by the time this report is read, will undoubtedly have led to the success of the dinner.

J. H. Pepper, for the committee having in charge the preparation of the memorial on the death of the father of C. W. Scott, read the resolution prepared by the committee which, on motion of W. F. Sheridan, was adopted.

H. A. Bunyard, for the outing committee, reported progress. He said his committee had already chartered the Steamer Isabel to convey the party to its picnic grounds and that the day fixed was July 1. He emphasized the fact that it was expected that this outing would eclipse all others and that it would be a family affair in the extreme sense of the term. He asked the support of every member toward the fulfilment of the desire of the committee.

Joseph Striet
President Buffalo Florists' Club

A. Hanig of Brooklyn, nominated for membership at the last meeting, was elected to membership; and Charles Krick of Brooklyn was nominated for election at the next meeting.

C. B. Weathered referred to the remarks of Mr. O'Mara upon the absence of Secretary John Young and gave it, as his opinion, that although Mr. O'Mara had not treated his topic seriously, the matter was indeed a serious one. He thought it a serious thing that a man who had been in office 20 years, had dared to absent himself from one meeting to attend a meeting in another city in his official capacity as a director of the S. A. F., and thought that in this instance he should be "penalized." He, therefore, moved that the Club vote him a vacation for and during March 14 and (on the suggestion of R. M. Schultz) that there be incorporated in the motion the stipulation that such vacation be allowed "with pay." Frank Traendly seconded the motion which was carried unanimously. Alfred H. Langjahr moved that the resolution be telegraphed to Mr. Young by the acting secretary, which motion was also seconded and carried unanimously.

J. A. Manda called the attention of the Club to the exhibitions of the American Rose Society and the Horticultural Society of New York, to be held on March 16, 17 and 18. President Miller in commenting on the exhibitions asked the support of all members of the Club to make them successes.

H. A. Bunyard, secretary of the National Sweet Pea Society, by invitation explained the objects of his society and requested the support of all members of the Club in the furtherance of its objects. Harry Turner, president of the Society, also made an address in which he endorsed all that Mr. Bunyard had said and explained the importance of the mission which the Society had taken upon itself. Arthur T. Boddington also spoke on the subject, and, as an illustration of the scope of the Society's work, pointed out the need of work in the direction of nomenclature. He said that the nomenclature committee had sometime ago completed arrangements for variety trials at Cornell University this season. Seed of every variety of Sweet Pea which was possible to secure had been forwarded to Cornell and trial tests were in the hands of Professors John Craig and A. C. Beal. These tests, it was hoped, would be of much service to florists and private gardeners, as it was expected they would check all the synonyms under which the trade was now being hampered. He thought this work alone was quite sufficient reason for asking the support of the Club membership in the work of the N. S. P. A.

It was expected that this evening would be a Rose and Sweet Pea night but the exhibition tables were bare of these flowers. C. H. Totty, for the Rose growers, believed the absence of exhibits was due to the fact that the American Rose Society was holding an exhibition two days later, and the attention of the growers naturally concentrated upon that exhibition. One or two Sweet Pea enthusiasts apologized for the absence of Sweet Peas as being due to a similar exhibition, that of the Horticultural Society of New York, which was scheduled for the same dates as the exhibition of the American Rose Society.

President Miller announced that there were present with them that evening, two of the charter members of the Club, James Dean and Alexander S. Burns. These two gentlemen were escorted to the platform and pressed for addresses. Mr. Burns was the first speaker, and he explained his non-attendance at the Club meetings for some time, as being due to purely personal reasons. Mrs. Burns, he said, was an invalid as the result of an accident some years ago and the occupations of his sons necessitated his being at home every evening. It was his intention, however, to be present at the annual dinner and though necessity compelled his continued absence from the meetings, he was still enthusiastic in Club matters and assured all that his interest in the Club had not in the least abated.

Mr. Dean followed with an address largely of a reminiscent character. He stated that not for years had he been in New York City of an evening; in fact, so long, that he had become lost in reaching the Club quarters that evening. He believed, however, that a recent change in residence would enable him to become a frequent visitor in the future. He then spoke of the florist business of the years ago. Speaking of Carnations, he expressed his thought that if the varieties of years ago were grown under present day methods it was more than likely that great satisfaction would result. Such a variety as La Purité, for instance, which had been so satisfactory, might rank with many of the leading varieties of today. Three-inch flowers of Carnations were not so very uncommon those days, grown under 6xS or 7x9 glass. If Carnations had been handled in the sixties and seventies as they were today, he saw no reason why the varieties then in existence should not have produced flowers which would be prominent among the market varieties of today. Of course, they had not the varieties of Roses which were in commerce today, but they used to grow some splendid Glory de Dijon, Malmaison and Safrano, and often Carnations in the same house, but they could not in those days get the stems. He well remembered the stock Mr. Weir, father of John Weir, of Brooklyn, used to grow in a little lean-to house with 6xS glass; that house was a mecca for florists, who came from far and near to see how the plants were handled. In that house were the then popular varieties, Lamarque and Marechal Niel. He much doubted whether Bon Silene and Safrano were done today as they were in those days. He believed that a good deal of the progress made in both Roses and Carnations could be attributed to the new ideas in greenhouse construction, and he would certainly like to see some of the old varieties of Carnations and Roses grown in some of the fine establishments of today, so that their merits under latter day treatment might be noted. He spoke of the old-time use of the Camellia in florists' work, when six Camellias were a usual portion of a bridal bouquet. He remembered one time when Mr. Weir had an order for a bridal bouquet and could only find five Camellias, and went all the way to Philadelphia in order to secure the sixth. Mr. Dean further stated as his opinion that while greenhouse construction had advanced very materially, the science of heating used was much in the same condition as it was a quarter of a century ago.

John Birnie also fell into a reminiscent mood and spoke of the time of Camellias. He remembered three Camellia plants, which he would prefer to call trees, occupying a whole house about the dimensions of the Club's meeting room, and the flowers brought a dollar each. He, too, often thought that if the old Carnations had been handled as Carnations are today and received the same treatment, big flowers would be the result; fully as big as those of today. He quite agreed with Mr. Dean in his statement that heating methods had not shown anything like the advance shown in greenhouse construction; in fact, he could not see that they had advanced much in the last fifty years.

Mr. Weathered took up the cudgels in behalf of heating conditions and facetiously called to his support a remark made by Mr. Birnie sometime ago, subsequent to the installation of a Weathered heating plant at his greenhouses. He thought that everybody would agree with him when he said that the old-time boilers could not take care of immense houses such as are built today.

Central plants would have to be a feature of the modern large greenhouse establishments.

Mr. Dean said that possibly the non-advance in heating might be attributed to the fact that the manufacturers had invested very largely in patterns, etc., and for this reason could not be expected to advocate much of a change.

The committee of awards made a report of their examination of two exhibits staged that evening. One was a staging of ten plants of a new sport of Nephrolepis Bostoniensis. The committee thought that this form should prove an acquisition to the commercial varieties of Nephrolepis, but before final judgment was made, they would like to see the new variety compared with N. Scottii and other sports of a like character. The other exhibit was a vase of Purity Freesia staged by William W. Mathews of Great Neck, L. I. For this the committee recommended a cultural certificate. The report of the committee was, on motion, accepted and passed.

Chairman Nugent of the house committee provided the usual good things for the "canteen," which were fully enjoyed during recess.

Obituary

Frederick G. Brotje

Frederick G. Brotje, a florist of Mt. Tabor, Portland, Ore., died on March 4 at his home, 31 East 61st st. in that city. He was 49 years of age and had lived in Mt. Tabor for the past 26 years. He is survived by a widow and four sons.

Edward Hatch

Edward Hatch, treasurer of the Gardeners and Florists' Club of Boston for the last seventeen years, died on Friday, March 11, at Columbia, S. C. Mr. Hatch had been in feeble health for the last year and a half and went to South Carolina a few days ago to spend the Spring months.

He was born in Boston and educated in the public schools of that city and, in 1859, left his studies to enter business life. For many years he was one of the foremost real estate auctioneers in Boston. We are not so much interested in his real estate business as we are in the work he has done for horticulture.

The G. and F. Club of Boston has lost its most generous member. He was a man who never let his left hand know what his right hand was doing. Many is the helping hand he gave to the Club that the majority of the members never knew about. He was an excellent treasurer and be fought many a battle to keep the money of the Club from being spent foolishly. He was much interested in the landscape class and gave many gifts to it, one of his last acts being to send a check for $100 for its use.

More than one florist benefited through his generosity and he helped many of them out of hard places and put them on the highway to success. Even horticultural trade journals were helped by him in the hard struggle of their infancy.

He was also a prominent member of the Massachusetts Horticultural Society for many years.

We can say of Edward Hatch that he was a genial, earnest, exceedingly generous and conscientious man, his heart always beating for the welfare of others, never for the aggrandizement of himself. His life was unostentatious, quiet and modest, and his great loss afflicts all who knew him with sorrow and grief.

Good, generous man, farewell! Your memory shall forever live in our hearts!

Mr. Hatch never was married. He lived at 328 Commonwealth ave. with his two sisters who, with one brother, John C. Hatch, of the Exchange Trust Co., survive him.

ROBERT CAMERON.

The Late Edward Hatch

Forest Planting by a Municipality

The enterprise of German foresters, and the importance of tree planting for forest purposes, are strikingly shown by two items of news which come, the one from Montana, the other from Ontario. It is reported that a demand has developed for Montana Larch seeds to be used by German nurserymen, while White Pine seedlings are to be imported from Germany by the town of Guelph, Ont., for planting a 168-acre tract of land belonging to that municipality.

The Germans recognize that the introduction into their forests of valuable trees native to other countries may be decidedly to their advantage. Although, as a rule, the forest trees best adapted to each region are those which naturally grow in it, there are many exceptions. Norway Spruce and Austrian and Scotch Pine have been carried from their native home to other parts of Europe and to America, and have been found well worth the attention of the grower of timber. Several of our own species have met with favor in Europe and flourished there, such as the Douglas Fir, Black Walnut, and others. The Australian Eucalyptus is proving a great find for America and South Africa.

Our own White Pine long ago crossed the Atlantic in response to the needs of Europeans, whose forests are comparatively poor in tree species, and is now grown commercially on such a scale that, when it is wanted for planting in its own native habitat, the German nurseryman is often ready to deliver young plants here for a lower price than our own nurserymen will quote. Now the Germans are going to try the Western Larch also. The request from the German nurseryman instructs the collectors to gather the choicest seeds when ripe this Fall.

The objects of the Guelph planting are, according to local accounts, to protect the town's water source by a forest cover over its springs in the hills, to make a beautiful woods for a public park and to provide for a future timber supply as a municipal asset. In foreign countries, forest tracts are often owned and managed by towns and cities as a paying investment and to insure a permanent supply of wood for local consumption, but in America planting by municipalities other than for parks and for watershed protection, has scarcely been thought of. The kinds of trees to be grown in the Guelph park have already been decided upon by the Ontario Agri. College. The proposed reforestation promises to be of so great economic and sanitary value that the estimated cost of $8 per acre for importing and planting the seedlings and caring for the growing trees is regarded as well worth while.—*U. S. Dept. of Agriculture, Forest Service.*

Our Mission

TO work, with our every energy, for the welfare of the Trade we represent, in which endeavor is included our determination to assist in every way possible to bring about

A change in Free Seed Distribution as at present conducted and its Direction into Channels of Real Economic Value;

The establishment of a Parcel Post, of equal service and at as low rates as is now enjoyed by many of the European Nations

—Both big undertakings, we must confess

CHRYSANTHEMUM SOCIETY OF AMERICA

Review of the Work of the Examining Committees for the Season 1909

NAME OF VARIETY	WHERE SHOWN	DATE	EXHIBITED BY	COLOR	TYPE	Scale	Color	Form	Fullness	Stem	Foliage	Substance	Depth	Size	Total
						Scores possible under scales used (C. S. A. Official)	Com 20 Ex. 10	15 15	10 15	15 5	15 5	15	15	10 35	100 100
Edmond Albe	Cincinnati	Oct. 16	The E. G. Hill Co., Richmond, Ind.	Satin Pink	Jap. Inc.	Com.	18	13	7	15	13	12		9	87
Mrs. W. Wincott	New York	Oct. 16	Chas. H. Totty, Madison, N. J.	Light Pink	Jap. Inc.	Com.	19	12	7	14	14	12		7	85
Mrs. W. Arnold	New York	Oct. 27	Chas. H. Totty, Madison, N. J.	White	Japanese	Com.	17	13	10	14	13	13		8	88
Mrs. A. R. Peacock	New York	Oct. 16	Chas. H. Totty, Madison, N. J.	White	Jap. Inc.	Com.	18	13	9	14	14	12		9	89
Mrs. A. R. Peacock	New York	Oct. 16	Chas. H. Totty, Madison, N. J.	White	Jap. Inc.	Ex.	9	14	14	5	5		12	30	89
Hawthorne	New York	Nov. 6	Heck Bros., Wyomissing, Pa.	Pink	Jap. Inc	Com.	17	13	7	14	14	13		7	85
Hawthorne	Philadelphia	Nov. 6	Heck Bros., Wyomissing, Pa.	Pink	Jap. Inc.	Com.	17	13	9	13	13	13		8	86
Hawthorne	Philadelphia	Nov. 6	Heck Bros., Wyomissing, Pa.	Pink	Jap. Inc.	Ex.	8	13	14	4	4		12	30	85
Unaka	Cincinnati	Oct. 9	Elmer D. Smith & Co., Adrian, Mich.	Pink	Japanese	Com	16	12	8	15	12	12		8	83
Donatello	Cincinnati	Oct. 23	Elmer D. Smith & Co., Adrian, Mich.	Yellow	Jap. Inc.	Com.	18	14	10	14	10	14		8	88
Oroha	Cincinnati	Oct. 23	Elmer D. Smith & Co., Adrian, Mich.	White	Jap. Inc.	Com.	17	12	9	14	11	13		10	86
Oroha	Cincinnati	Oct. 23	Elmer D. Smith & Co., Adrian, Mich.	White	Jap. Inc.	Ex.	9	13	14	5	4		13	30	88
Oroha	New York	Oct. 23	Elmer D. Smith & Co., Adrian, Mich.	White	Jap. Inc.	Com.	16	13	8	15	13	13		8	86
Tonkawa	Philadelphia	Oct. 30	Elmer D. Smith & Co., Adrian, Mich.	Yellow, Shaded Bronze	Jap. Reflex	Com.	18	13	9	12	13	13		9	87
Tonkawa	Philadelphia	Oct. 30	Elmer D. Smith & Co., Adrian, Mich.	Yellow, Shaded Bronze	Jap. Reflex	Ex.	9	13	14	3	4		12	30	85
Adonis	Philadelphia	Nov. 13	Elmer D. Smith & Co., Adrian, Mich.	Light Pink	Jap. Inc.	Com.	15	12	8	13	11	13		8	80
Adonis	Philadelphia	Nov. 13	Elmer D. Smith & Co., Adrian, Mich.	Light Pink	Jap. Inc.	Ex.	8	12	13	4	3		13	30	83
Adonis	Cincinnati	Nov. 20	Elmer D. Smith & Co., Adrian, Mich.	Light Pink	Jap. Inc.	Ex.	8	12	14	3	3		14	34	88
Randee	Cincinnati	Nov. 20	Elmer D. Smith & Co., Adrian, Mich.	White, Shaded Pink	Japanese	Ex.	6	14	15	3	3		14	32	87
Clorinda	Cincinnati	Nov. 6	Elmer D. Smith & Co., Adrian, Mich.	Bronze	Pompon		33	18	18	20					89
Arlee	Cincinnati	Nov. 6	Elmer D. Smith & Co., Adrian, Mich.	Terra Cotta	Single		37	16		18		16			87
Red Light	Cincinnati	Nov. 6	Elmer D. Smith & Co., Adrian, Mich.	Scarlet Maroon	Single		35	15		15		12			77
Constellation	Chicago	Nov. 26	James Livingston, Lake Geneva, Wis.	White	Single		35	15		15		15			80
Number 109	Chicago	Nov. 20	James Livingston, Lake George, Wis.	Lemon Yellow	Anemone		30	15		18					78

Scale of Points: Pompon Varieties—Color, 40; Form, 20; Stem and Foliage, 20; Fullness, 20; total, 100
Scale of Points: Single Varieties—Color, 40; Form, 20; Substance, 20; Stem and Foliage, 20; total, 100

CHAS. W. JOHNSON, Secretary

The American Rose Society

Eleventh Annual Meeting and Exhibition New York City, March 16 to 18, 1910

Held jointly with the Spring Show of The Horticultural Society of New York, in the American Museum of Natural History

Officers Elected for 1910-11

President, **WM. H. ELLIOTT, Brighton, Mass.**
Vice-Pres., **ADOLPH FARENWALD, Hillside, Pa.**
Secretary, **BENJ. HAMMOND, Fishkill-on-the-Hudson, N. Y.**
Treasurer, **HARRY O. MAY, Summit, N. J.**
The two latter officers were re-elected.

Next place of meeting
Boston, Mass.
At the time of the National Spring Flower Show to be held there.

THE eleventh annual exhibition and convention of the American Rose Society opened in the American Museum of Natural History on Wednesday, March 16, and was continued on the following day. The exhibition was held in the large hall in the west wing of the big building, which was ideal for the purpose. The staging of the different exhibits reflected much credit upon the management, and particularly upon J. A. Manda, the manager. Instead of the usual straight lines of benches, the exhibition tables were all set in zig-zag fashion, which allowed of a much better view of the exhibits and was no unimportant factor in the judging. While in some respects the exhibition lacked some of the important features of previous exhibitions, it excelled them in magnitude. Considerable disappointment was expressed in regard to the small number of exhibits of American Beauty Roses, four stagings of cut flowers practically representing this section, and these so much off in quality that the judges were compelled to make hard decisions.

White Killarney vied with Richmond in popularity. The stagings of both were certainly grand, especially of Richmond, for which Adolph Farenwald of Hillside, Pa., carried off the honors.

My Maryland was very conspicuous, the stagings of this variety showing very high quality.

The old-time Bride and Bridesmaid were seen only to a small extent, but such stagings as were in evidence were high in quality.

Poehlmann Bros. Co. of Chicago were practically the only Western exhibitors, but much cannot be said of the East, from which section so much was expected.

One or two novelties were on view, chief of which was a sport from My Maryland, exhibited by Myers & Samtman of Philadelphia. This variety, in form, is almost identical with its parent, but deeper in color. If comparison can be made at all, it may be said that it shows the same difference that Bridesmaid did when compared with Mermet, the two leading pinks of their day. The staging represented blooms cut from a stock of 80 plants, which speaks well for the excellent showing made at this, its first public appearance. Another novelty shown was Miss Sarah Nesbitt, exhibited by Benjamin Dorrance of Dorranceton, Pa. This was a creamy white, with the edges of the petals touched with cerise—very pleasing in appearance, but short of stem. It, however, scored twice in the prize list.

The exhibits of pot plants was much larger this year than ever before. H. C. Steinhoff of West Hoboken, N. J., carried off the bulk of the prizes, his exhibits in the Rambler class being particularly extensive.

The judges, the Hon. Philip Breitmeyer of Detroit, S. S. Pennock of Philadelphia, W. F. Gude of Washington and W. J. Palmer of Buffalo, are to be congratulated on the efficiency of their work. It was late in the evening before their task was finished, and it was necessary to make many very close decisions.

The exhibition of the Horticultural Society of New York, which was held in conjunction with the American Rose Society's exhibition, was very creditable, although the stagings were not nearly so numerous as expected. The Orchid displays of Lager & Hurrell, Summit, N. J. and Julius Roehrs Co., Rutherford, N. J., were grand for this season of the year and included many rare varieties.

Thursday Morning, March 17

Owing to its being impossible, on account of details in connection with the exhibition, to hold a business session on Wednesday, the first session was opened at 10:30 on Thursday morning. President Poehlmann made the following address:

The President's Address

It affords me great pleasure to address this large gathering, which may be safely considered the backbone of our Society. Also those members of the Horticultural Society of New York, who are willing and anxious to assist us, as attested by their presence.

Through the courtesy of the trustees of the American Museum of Natural History, we meet here in our eleventh annual convention. With the hearty co-operation of the Horticultural Society of this city, we have made it a success. Necessarily, much of the preliminary work devolved upon a few members of the executive staff living within easy distance, headed by that able leader, Mr. F. R. Pierson, our untiring secretary Mr. Benjamin Hammond, and Mr. Joseph A. Manda, manager of the exhibition. Many absentees would gladly be present, but for various reasons, principally lack of time, must forego the pleasure and be contented to wait for the reports as transmitted through the trade papers. The Florists' Exchange, Horticulture, Gardener's Chronicle, American Florist and Florists' Review have all been largely instrumental in spreading the news, have made faithful reports, and deserve the thanks of this Society.

It has been suggested that greater interest in our Society would manifest itself if it were possible to hold our annual meetings and exhibitions in conjunction with the American Carnation Society. This would undoubtedly be true. One could not possibly detract from the other. The scheme ought to be carried through as it will unquestionably lead to good results, and show a large saving of time and money. Co-operation would certainly make for a much larger exhibition and a better attendance. The idea is not to incorporate the two bodies into one, but each to retain its individuality. It is not because of the number of societies that many florists object, but they find it impracticable to attend so many different meetings and exhibitions. This is a question requiring further consideration. Today's exhibition speaks for itself.

Wm. H. Elliott of Brighton, Mass.
Elected President American Rose Society

Nine days less than a year ago we thought that we had the best display of Roses at Buffalo. How does our show today compare with it? The spirit of the times must be with us. It permits of no back sliding, but is ever for advancement. Credit is due to those who constantly strive to outdo their previous efforts, and who have brought forth their product for your inspection and judgment.

Rose culture is increasing rapidly in all sections of the country. The demand from the South and West is fast increasing. New Roses of merit are eagerly sought. The field is constantly widening. Millions of blooms are produced where ten years ago there were so many thousands. It is indeed a growing business without a limit.

It is not necessary to dwell at length on the aims of the Society. Pre-eminently they stand for the advancement and distribution of the Rose, as expressed in its desire to place "a Rose in every Home and a Bush in every Garden." How well this is being accomplished can be told by figures showing the annual sales of Rose Plants, running well into millions.

General View of the Joint Exhibition

New insecticides have greatly lessened the evils of insect pests. Chemical fertilizers, as they are becoming better understood, are being more generally used, while the good cattle manure is becoming scarcer and each year harder to obtain. Bulletins issued by the nitrate agencies contain valuable information to florists regarding the use of chemical fertilizers.

I have made my address brief because so much matter of value has already been published that little remains to be added. Our program provides for a number of essays, which I am sure will be of high merit, and hold your attention.

We gladly welcome new members to our ranks. The secretary will be glad to furnish information as to terms of membership.

I want to take this opportunity to thank everyone who has been instrumental in furthering the work of this exhibition, on behalf of the American Rose Society, and thank you for your kind attention.

Secretary's Report

The records of the year show that the American Rose Society blooms and grows in strength and influence. The idea "A Rose for every Home, a Bush for every Garden" takes hold. During the past twelve months there has come to hand more inquiry for information than ever before, and the weakest point in the organization is the lack of a quarterly publication, absolutely its own, that may be sent to every member and to kindred societies. In my opinion, until this is done the membership will continue restricted.

The interest and fame of the Rose Society surely is increased by the judicious use of its medals. These afford much pleasure and are not bestowed loosely. They carry with them esteem, and when given for good work in home gardens, in the communities where local interest is taken, stir up a lot of earnestness in Rose planting. The Annual Bulletin was issued for 1909, being sent to every member on record, filed in many libraries, and is called for by horticultural societies.

The last year, our life membership fund has passed the $3000 mark.

The Society owes much, especially to ex-President Simpson, H. O. May, F. R. Pierson and the Executive Committee, for detail work in doing the many things required for such an exhibition as we are holding today. The A. R. S. is favored with many workers who freely serve for the general success.

The Florists' Society of Indiana have filed a request for the annual exhibition to go to Indianapolis in 1912, following the great National Flower Show to be held in the city of Boston.

Treasurer's Report

The annual report of the treasurer of the Society showed the receipts for the year to be $4524.32, with disbursements $3902.13, leaving a balance of $622.19 in hand. The permanent fund was scheduled as amounting to $3050, and the Hubbard medal fund $250.

Secretary Hammond announced that Peter Crowe of Utica had come into the life membership fold, his fee bringing the fund thereof to the $3000 mark.

The question of investing certain of the Society funds came up, and a good deal of discussion ensued as to advisable ways and means of making investments. Finally, a committee was appointed, consisting of the secretary, treasurer and incoming president, to decide the matter.

The place of meeting for 1911 was the subject of the next business and, on motion of Wallace R. Pierson, Boston was decided upon. Patrick Welch of Boston explained that his city was the best that could be selected, for the reason that the time of the meeting of the A. R. S. would correspond with the dates set for the National Flower Show and the meeting of the American Carnation Society.

The secretary announced that Dr. Sulinger of Vancouver, Wash., who was preparing to sail from New York next May, to visit France and other European countries as representative of the rosarians of Washington State, was desirous of being the accredited representative of the A. R. S. during his trip, which was to be devoted to horticultural research. After some discussion the matter was left in the hands of the secretary to take action.

Election of officers was the next business. P. Welch was nominated for the office of president but declined to stand, for reasons which he said made his declination imperative. The names of A. Farenwald and W. H. Elliott were then presented but, realizing that it was more to the interests of the Society, on account of the meeting being in Boston in 1911, to have Mr. Elliott at its head, Mr. Farenwald withdrew and Mr. Elliott's election was made unanimous.

Mr. Farenwald was elected vice-president by a unanimous vote. Secretary Hammond and Treasurer H. O. May were re-elected. J. A. Valentine and August F. Poehlmann were elected to vacancies on the Executive Board, and Wallace R. Pierson was elected to fill Mr. Farenwald's unexpired term therein.

Mr. Farenwald then read a paper on "The Roses, the Brightest of Flowers," which will be found on page 519.

Wm. F. Gude called the attention of the meeting to the death, recently, of Mrs. Gertrude Gardiner G. Hubbard, a patron of the Society, and moved that the secretary be instructed to prepare a suitable memorial to be sent to the family of the deceased lady. The motion was carried.

A paper by S. B. Sibson of Portland, Ore., was next read by Secretary Hammond, on "North Pacific Roses." A vote of thanks was passed to Mr. Sibson, after which the meeting adjourned until the afternoon.

The Awards of the American Rose Society

Division A.—Pot Roses

Best display of hardy Roses in bloom. All types and classes of Roses suitable for outdoor planting may be exhibited in this class. First prize $100, offered by Hon. Philip Breitmeyer, Detroit, Mich.—1, H. C. Steinhoff, Hoboken, N. J.

Collection of Teas and Hybrid Teas is not less than 5 in. pots, 25 plants; first prize $25, offered by John N. May, Summit, N. J.; second prize $15.—2, H. C. Steinhoff.

Collection of Hybrid Perpetuals, 6 in. pots or over, not less than 25 plants; first prize $25, offered by Welch Bros., Boston, Mass.; second prize $15.—1, H. C. Steinhoff.

Six climbing Roses, in not less than 7 in. pots.—1, H. C. Steinhoff; 2, J. Roehrs Co.

Six Roses, not climbing, in not less than 7 in. pots.—1, H. C. Steinhoff.

Twelve Baby Ramblers, any variety, in not less than 4 in. pots.—1, H. C. Steinhoff.

Specimen in pot or tub, not climber.—1, H. C. Steinhoff.

Specimen Crimson Rambler in pot or tub.—1, H. C. Steinhoff.

Specimen Hiawatha in pot or tub.—1, J. Roehrs Co.

Specimen Dorothy Perkins in pot or tub.—1, H. C. Steinhoff; 2, J. Roehrs Co.

Division B.—Teas and Hybrid Teas. Twenty-five Cut Blooms. Open to All.

For the best American Beauty, stems not less than four feet or more than six feet; first prize $15, offered by Arthur T. Boddington, New York City; second prize $10.—1, Gude Bros. Co., Washington, D. C.; 2, Brant, Hentz Floral Co., Madison, N. J.

In classes 108 to 129 the prizes are, in each class, first prize $10, second prize $5. The varieties are as follows:

Bride. First prize offered by A. H. Langjahr, New York City.—1, Poehlmann Bros Co., Chicago; 2, L. B. Coddington, Murray Hill, N. J.

Bridesmaid.—1, H. Hentz, Jr., Madison, N. J.; 2, Poehlmann Bros. Co.

Kaiserin Augusta Victoria.—1, Robt. Scott & Son, Sharon Hill, Pa.

My Maryland. First prize offered by L. B. Coddington, Murray Hill, N. J.—1, J. Welch Young, Philadelphia; 2, E. H. Behre, Madison, N. J.

Mrs. Jardine.—1, Wm. Geiger, Oak Lane, Pa.; 2, Robt. Scott & Sons.

Golden Gate.—2, Gude Bros. Co.

Mme. Abel Chatenay.—1, Robt. Simpson, Clifton, N. J.; 2, U. S. Cut Flower Co., Elmira, N. Y.

Ivory.—1, U. S. Cut Flower Co.; 2, Gude Bros. Co.

Sunrise.—1, Benj. Dorrance, Dorranceton, Pa.

Wellesley.—1, Gude Bros. Co.

Killarney. First prize offered by Walter F. Sheridan, New York City.—1, J. Welch Young; 2, W. F. Badgeley, Chatham, N. J.

White Killarney.—1, F. R. Pierson Co.

Richmond. First prize offered by Wm. C. Badgley, Chatham, N. J..—1, A. Farenwald, Hillside, Pa.; 2, E. Towill, Hillside, Pa.

Any other named disseminated variety.—1, Robt. Simpson with Enchanter; 2, Gude Bros. Co., with same variety. Under the discretion allowed in this class Benj. Dorrance was given a second with Miss Sarah Nesbitt.

For the largest and best collection of Teas and Hybrid Teas, 6 or more varieties, not less than twelve flowers of a kind; first prize $30, offered by Robert Simpson, Clifton, N. J.; second prize $20.—1, Gude Bros. Co.

Division C.—Twelve Cut Blooms

Open to Private Gardeners and Amateurs Only.

Bridesmaid.—1, Wm. Hastings, Tuxedo, N. Y.

Any other named disseminated variety.—1, Wm. Hastings with Richmond.

Special Prizes—Division F.

The Dorrance challenge prize for the largest and best display of cut Roses; offered by Benjamin Dorrance, Dorranceton, Pa.—1, Benj. Dorrance with Miss Sarah Nesbitt.

For the best 50 White Killarney, $25 offered by Poehlmann Bros. Co., Morton Grove, Ill.—1, F. R. Pierson Co.; 2, Waban Rose Conservatories, Natick, Mass.

For the best 50 My Maryland, $25 offered by Poehlmann Bros. Co., Morton Grove, Ill.—1, Myers & Samtman, Chestnut Hill, Pa.

For the best 50 Killarney, a silver cup, value $25, offered by Henry F. Michell Co., 1018 Market st., Philadelphia, Pa.—1, Poehlmann Bros. Co.

For the best 50 blooms White Killarney, a silver cup, value $25, offered by The Waban Rose Conservatories, Natick, Mass.—1, Poehlmann Bros. Co.

For the best new Rose, American origin, of 1909 and 1910, silver cup, value $25, offered by Alexander Montgomery, Natick, Mass.—1, Myers & Samtman, with sport from My Maryland.

For the best 50 American Beauty, $25 offered by John I. Raynor, New York City.—1, Brant-Hentz Flower Co.

For the best 50 My Maryland, $25 offered by Pennock-Meehan Co., Philadelphia, Pa.—1, Ed. Towill.

For the best 50 Richmond, $25 offered by H. E. Froment, New York City.—1, A. Farenwald.

For the best 50 Bridesmaid, $25 offered by William F. Kasting Co., Buffalo, N. Y.—1, L. B. Coddington.

For the best 50 Mrs. Jardine, $25 offered by Robert Scott & Son, Sharon Hill, Pa.—1, Wm. Geiger, also Silver Medal for arrangement.

For the best 36 My Maryland, $15 offered by John Cook, Baltimore, Md.—1, Myers & Samtman.

For the best 6 Roses, American Beauty excepted, two to be white and four to be red, pink or yellow. This means that the number of varieties must be at least two and may be as many as six; and that two Roses, and only two, are to be of any white, or near white, variety, the other four of any colored variety, except Am. Beauty. Length of stem is limited to only one joint. Solid silver cup, offered by Moore, Hentz & Nash, New York City.—Won by U. S. Cut Flower Co. of Elmira, N. Y., with four Chatenay and two Ivory Roses. There were thirteen entries in this competition.

(*Concluded on page 520*)

Adolph Farenwald of Hillside, Pa.
Elected Vice-President American Rose Society

Entries for Best 50 White Killarney. The Prize Winners were Respectively F. R. Pierson Co. (the second vase from the left), **and Waban Rose Conservatories** (the extreme left vase.)

Ideals of Horticulture

A paper by James Wood, President of the Horticultural Society of New York, read before the Convention of The American Rose Society, New York, March 17, 1910.

The true horticulturist takes delight in the study and cultivation of his plants as well as in the admiration of the beauty of their forms and foliage, or of their flowers. He finds that contact with and study of this department of Nature's wonders has a refining and elevating influence upon his character. If he is a true member of the brotherhood of man, he desires that this benefit and this pleasure may be shared by others and be extended as widely as possible; indeed, it may be said that the highest ideal of horticulture is to make, if possible, the earth more beautiful and mankind better and happier because of its benefits, an ideal closely related to the beautiful imagery of the Messianic prophets of old when in glowing terms they described how even the desert should be made to blossoms as the Rose. The true horticulturist pursues his vocation not for his own pleasure and profit alone, but for the joy it gives him to have other lives brightened and benefited by his work.

Horticulture as an Art

Horticulture and agriculture alike have to do with the cultivation of plants. The former is the more closely confined to the work, agriculture having a wider range in its operations, including the animal kingdom as well. The distinction between the two is, primarily, based upon the limitation of the area of horticultural operations as compared with that of agriculture. *Ager* applies to a field of larger extent and, perhaps, entirely unenclosed, while *hortus*, the garden, applies to an enclosure surrounded by a fence or wall. While the distinction between the two terms is based entirely upon this, the difference in their operations is indicated by the definition.

The practice of horticulture embraces both its science and its art. The art cannot be carried on to its best results without a considerable knowledge of its science. Next to the broad ideal to which reference has been made, the most important ideal of horticulture is the attainment of the highest degree of perfection in the results accomplished; and while the so-called "rule of the thumb" may answer for ordinary routine, it rarely results in any material advancement. Such advancement must necessarily result from the application of the laws of Nature to the operations from which improvement may be expected. The requirements of the science of horticulture are very complex, and I desire to refer to it in connection with the attainment of ideals, partly because it is at the very foundation of the subject and also to show that the highest practice of horticulture involves an acquaintance with many departments of science.

Soils and Plant Growth

The beginning of all operations is necessarily with the soil and this involves a knowledge of the vast variety of soils, both in their composition and in their mechanical condition. Soils are heavy and close in their texture when they contain a large percentage of clay; they are light and loose when they have a large percentage of sand; and between these are a great variety of loams with their varied constituents. It is important to know something of the character of the soil of the native habitat of a plant in order to understand the conditions under which it has been produced and maintained. But while this knowledge is useful, it is not of very great importance, because the native habitat may not present the best conditions for the particular plant. Various causes may have prevented its growth in locations that are better suited to its requirements. It may have been crowded out from this by other and stronger growing plants, or it may never have had an opportunity to grow in such a situation; but the knowledge of the soil upon which it has developed is important as indicating the root formation and root work of the plant itself. In open and loose soils roots are far reaching and grow to a great depth, while in heavy and retentive soils they grow nearer the surface; and plants with fine fibrous roots thrive best in a soil with a large percentage of decaying vegetable matter, furnishing a large amount of humus which greatly favors their growth and development. The necessity of soil being opened to the operations of the air is absolutely indispensable for the growth of plants of the higher orders. When the interstices between the particles of soil are occupied by water the air cannot penetrate the soil and growth cannot be maintained. Of course, this is not true with aquatic plants, but it is true of all plants of the higher order of development. This fact is the governing principle of drainage. Drainage is necessary to remove water from the soil so that the air can enter it and the chemical changes of Nature's laboratory be carried on there. Beside this requirement of the proper amount of water and the mechanical condition of the soil, the plant food contained by the soil is the next important consideration. This plant food is both mineral and vegetable and must be in a condition to be dissolved in water before being taken up for the use of the plant. Beside the soil, the other conditions, outside the plant itself, that the horticulturist must consider, are the exposures to moisture, heat and light. The proper requirement of moisture is of great importance, and the maintenance of a proper degree of heat is equally important, while the exposure to light is an absolute necessity for all green plants.

The amount of light to which a plant is exposed has a great deal to do with its best development, and it is an interesting fact that the light from the sun, in greenhouses, can be supplemented by artificial light to great advantage. In England, where the sunlight is much more limited than it is in America, electric light is used to advantage on dark days or for lengthening the light in the short days of Winter. This is used both in the development of flowers and in ripening of fruits in fruit houses. This use of light is parallel with the use of artificial heat supplementing that of the sun.

Nature and Art in Reproduction

Passing these external conditions of the plant we come to the plant itself, and we must understand the processes of its growth, development and reproduction. The plant may be reproduced from seed, or propagated from buds, cuttings or layers, but the cuttings and layers are but other forms of bud propagation. The production of the seed involves the infinite variety of flower formation and the operation of the sexual organs they contain. At the very basis of plant cultivation lies the knowledge of Nature's method of reproduction by seed. Nowhere can we find more wonderful organs than those contained in flowers for this purpose, and nowhere can we find more interesting formations than those which regulate the fertilization of flowers by the agencies of wind or insects. In the first place, it is a remarkable fact that in plants that are not self-fertilizing there is a great difference in the showiness of the flowers of those that are fructified by the agency of wind or by insects. Those fructified by the wind are almost always inconspicuous, while the marvellous display of color and attractiveness of flowers is almost always among those where bees and insects are necessary for the conveyance of the pollen of one to another.

Not less wonderful is the provision that Nature makes in some flowers to prevent self-pollenization and to provide for the bringing to the pistils of the flowers the pollen from the stamens of some others. The most striking of these are found in the Orchid family. Among the most curious of this varied flower structure is that of plants where, in some flowers the stamens and pistils of unequal length are so placed that only a bee bringing pollen from the long stamen of one flower can reach the long pistil of another, or one bringing pollen from the short stamen of one flower can reach the short pistil of another; and then again there are some plants with perfect flowers where the stamen and pistil do not mature at the same time, so that when the pollen of the stamen is ready the pistil is not prepared to receive it, or when the pistil is ready to receive it the pollen of the stamen has either lost its vitality or is not yet matured. This makes it necessary that the pollen from some other plant maturing when the pistil is properly developed should be brought to it by the agency of wind or of insect.

All this information is of practical utility in obtaining ideal results in horticultural operations. The growth of vegetables under glass in Winter where the wind cannot convey pollen from one flower to another and where there are few, if any insects to do the work, makes hand pollenization necessary. This is particularly the case with Cucumbers, where the flowers are unisexual—it is necessary to convey the pollen from the stamen of one flower to the pistil of another by hand, using a camel's-hair brush for the purpose. In Tomatoes, where the flowers are bi-sexual, fertilization does not act with freedom because the stamens are stuck together by a gummy substance, which in the open air loses its tenacity and allows the stamens to separate so that their pollen can be loosened. When the sun is shining brightly, if the stamens of a Tomato flower in a greenhouse are slightly opened with a pin point they will fly apart and scatter the pollen in every direction, but without such aid a very large proportion of them do not separate and consequently the pistil is not fertilized. An example of this same matter, in outdoor cultivation, is found in some varieties of Grapes. The Brighton, a Grape of excellent quality, does not develop its pollen at the same time that the pistils are matured, and, consequently, if left to itself, a very imperfect fructification takes place. When the vine is grown near other Grapes whose pollen matures at the proper time, the Brighton pistil is fructified by the pollen blown by the wind or carried by insects. In my own vineyard I have a row of Brighton vines to the east of rows of Delaware and Campbell's Early. The prevailing Summer wind is from the southwest. When there are such winds during the days of Brighton blooming good bunches of Grapes are formed, but when for two or three days at that time there happens to be easterly winds, imperfect fructification takes place and very ragged clusters result. Similar facts are found in growing Muscat of Alexandria under glass, where it is necessary to disperse the pollen by gentle blows upon the vine or ragged clusters will be obtained.

Hybridization

This matter of cross fertilization introduces the great subject of horticultural development by means of hybridization where crosses of different species are made. It makes possible an almost endless variety of production and is a most promising field of horticultural development. Those who attended the plant-breeding conference held by the Horticultural Society of New York a few years ago, and which was attended by prominent scientists of European countries, the West Indies, as well as of all parts of our own country, will remember the most interesting papers and discussions upon this subject. Indeed, it may be said that there is no limit to the development that may be made by this means. The discovery of Mendel's laws governing the results of hybridization furnishes a guide to these experiments which will greatly aid in the accomplishment of important results, and the achievement of our highest ideal.

The propagation from buds is the method by which plants are obtained from cuttings and layerings, while in some cases buds are formed upon the roots of plants, as in the Pyrus Japonica. Propagation from buds involves the interesting fact concerning bud variation, through which plants are produced of a distinct character from the parent plant. This also produces some striking changes which we call "sports." Familiar illustrations of this are found in the production of the pink Bridesmaid Rose from the white Bride, and the white Killarney from the pink parent.

Bud propagation also involves an interesting variety in the case of those plants where rudimentary buds are formed on the margin of the leaves, or at the leaf axis, as is the case with members of the Begonia family.

Growth and Development

After a plant is obtained by the germination of seed, or by propagation from buds, its growth and development next require our attention. This involves not only proper conditions of soil but the plant food which the soil contains.

The ultimate object of the production of the plant and of its growth and development is its reproduction. For this operation the flower of the plant is formed. And flowers, whether for their own sake or as the necessary precursors, are objects of the greatest concern to the gardener. As the reproduction process, of which the formation of the flower is the first stage, is an exhaustive one, it is necessary that the plant should be well established before it flowers. When the growth of a plant from any cause is too vigorous it is sometimes necessary to check the growth of the vegetative organs as the necessary preliminary to the development of the flower. This is sometimes done by root pruning, but commonly, in greenhouses, by the use of pots. In some countries where the Grapes do not form flower sufficiently for a good crop, the vines are partly lifted so as to check the operation of the roots. The flower itself is usually produced at the end of the shoot or a spur from the side of the branch. Sometimes the flower buds for next year are formed soon after the dropping of this year's flowers as is the case with Pears among fruits and Chinese Magnolias among flowers. More frequently the flower is formed at the end of the new growth of the shoot and is a special development of the foliation. Indeed, a great portion of flowers perform the same function as leaves, while the highly colored petals do not have this function. Double flowers are formed by the development of stamens and pistils into petals so that, as a rule, double flowers have fewer seeds than do single flowers. Indeed, this development of stamens and pistils into petals sometimes goes so far as to leave none of the organs for the formation of seed.

I have already referred to the functions of the different organs of the flower in the seed formation. All these various and varied functions of the different parts of the plant belong to the science of horticulture, and, as I have already said, while the work of the art of horticulture may go on by established methods without a knowledge of these scientific facts, no probability of advancement can be had without the application of the knowledge I have described, so that the great ideal of horticulture in the attainment of the highest possible production demands a knowledge of all these departments of natural science. Indeed, in this brief notice nothing like all of the scientific principles have been stated.

Horticultural Art in Practice

We come now to the practice of the art of horticulture. A large portion of this is dependent upon experience. Experience is the resultant of the rule that "what has been may be" and since in practice it has been found that certain things result from certain procedure, we continue to practice established methods. Large improvements may sometimes be made by finding that some change in procedure results in a benefit and, conversely, other changes result in injury. In the application of scientific principles in the practice of horticulture the best results are obtained.

The divisions of horticulture are those embracing flowers, vegetables and fruits. In practice, these are distinct, though all three are often carried on in the same garden. I myself have a house in which all three are carried on together today. The three are not now carried on together in outdoor gardens so much as formerly, as it is found to be better to grow flowers, vegetables and fruits each by themselves. It is much more common to see them growing together in English gardens today than in this country.

There is one quite serious injury resulting from modern methods of seed distribution through the seed trade. Before this trade was so developed as it is at the present time gardeners were much more dependent upon the production of their own seed. This stimulated a great interest in the selection of the very finest specimens for seed production and not infrequently in important experiments in seed production by cross fertilization or hybridization. I can myself remember the great care practiced in gardens of my own home some sixty years ago, when all flowers grown from seed were carefully examined for the types most desired, and also specimens of vegetables that met the grower's ideal were carefully preserved for seed. Here was a practical ideal of horticulture for which there is now but little opportunity. It is very much easier to make up our list of seeds for our flowers or vegetables and send them to the great "omnium gatherum" of the modern seed store. Occasionally we find, even today, some true lover of the art of horticulture who still practices the home production of seed.

Peculiarities of Plants

In considering the question of plants to be grown in any flower garden, the temptation is very great to confine ourselves to such as produce the most showy flowers, but it is often the case that plants of the very greatest interest produce inconspicuous flowers. Some plants, of course, such as Ferns, are grown for the beauty of their form and foliage alone, but it is often desirable to have a department of the garden, devoted to plants of peculiar interest apart from their flowery display. I will illustrate this by reference to the marvellous carnivorous plants which have the most curious and complete arrangements for the capturing of flies and other insects, such as some of the drosera, dionæa and the Venus fly traps. It is wonderful, when it is considered that these plants secret a digestive juice similar to the gastric juice in our own stomachs, by which the substance of these insects is rapidly decomposed and absorbed into the tissue of the plant. Another very interesting illustration of this portion of the garden is the so-called compass plants found upon our semi-arid plains of the West, where the natural light is too strong for the leaf organs, and instead of exposing their plain surface to the sunshine as other plants do where the glare of the light is less intense, they turn their edges to the light so as to shield the broad surface of the leaves from the powerful rays of the sun. This function is so marked that travelers of the desert can ascertain the points of the compass from the position of the leaves of these plants. Such a department of the garden excites a great interest with visitors and is a helpful stimulant to the children reared upon the place.

One of the ideals of horticulture is thus to stimulate an interest, which is quite as important as the mere gratification of the eye by beauty alone, and here the skillful gardener who is in charge of the garden and greenhouse of some wealthy proprietor can find an opportunity to overcome one of the most trying facts of his position. There are many wealthy owners who know, or care little for the work of plant growth and flower production, and are willing to incur the expense involved simply that their houses may have the flowers which are considered necessary for their proper furnishing. These people look upon flowers as something that can be obtained from the florist at so much per dozen, and to them they mean little more.

"A Primrose by the river's brim,
A yellow Primrose was to him
And it was nothing more."

This relation to the proprietor is a very difficult one for the gardener, and if he can by tact and skill have something of interest, outside the ordinary, to which he can occasionally ask the attention of the members of the family, it gives him an opportunity for exciting an interest on their part which may grow into a higher and better appreciation of the work, as, indeed, this should be the aim of every gardener in charge of such a place. Fortunate indeed is the gardener where the members of the family take an interest in everything pertaining to his work, and where they love the flowers they have seen grow and take a pleasure in arranging them to display their beauty.

I have occasionally presented flowers to ladies who accepted them as they might a box of candy, and who usually hand them over to a servant to be arranged. The sensations in making such a gift are very different from those where the recipient takes the keenest delight in each flower, and loves to hold them in her own hand and arrange and rearrange them according to her fancy. Naturally, gifts to the latter are made with frequency, while the former rarely, if ever, receives flowers a second time.

The High Ideal of Horticulture

One of the best examples of the high ideal of horticulture is found in the work of Dr. Wm. Saunders, the head of the Experimental Farms in Canada. Members of our Horticultural Society may remember Dr. Saunders at the conference of plant-breeders a few years ago, when he presented an admirable paper on his work. The development of the western portion of Canada has been made possible through Dr. Saunders' skill and persistence in finding and producing plants suited to the rigorous climate of that region. His greatest work belongs to the department of agriculture, where by hybridization and selection he has produced a variety of wheat that will ripen in ninety days from the sowing of the seed, which is rapidly revolutionizing the wheat supply of the world. Dr. Saunders desired that settlers in that bleak region should have comfortable and attractive homes with fruits and vegetables and flowers. Practically no fruits would grow there, and only a few flowers that were known to practical horticulture. By planting wind breaks of the native trees of the region he made it possible to have secondary borders of evergreens. Under the shelter of these, garden plots were laid out in which fruits, vegetables and flowers of many varieties and of the choicest quality are grown, and gradually the hearts of the lonely residents of those vast regions were gladdened, which added no little pleasure to the happiness of mankind.

Sharing Horticultural Pleasures

The production of perfect flowers and fruit, while a pleasure in itself, gives an added pleasure when others are allowed to share in their enjoyment. We have had a beautiful example of this in the practice of our late lamented vice-president, Mr. Spencer Trask. At his beautiful place, "Yaddo," at Saratoga Springs, the public were invited to enjoy with him the splendid results of the high art of horticulture practiced there.

In every work in life it is well to have ideals. They set something for us to strive for, and it is only by effort that the best advancement is made. The standard of our ideals in horticulture will usually be the measure of our achievement.

The Rose, the Brightest of Flowers

A paper read before the Convention of The American Rose Society in New York, March 16, 1910, by A. Farenwald, Roslyn, Pa.

When I received word to write a paper on the above subject I felt that it was sent to the wrong man. I am a Rose grower, not a poet, so I tried to wriggle out of it; but the "powers that be" wanted me to stick to the gun, and as I am an enthusiastic member of this Society, and a lover of Roses as well as a grower, I consented. I shall now do my best to honor the "Queen of Flowers." If I fall short you must remember that I am only a Rose grower, not a poet.

Of course, there are other flowers in the race, such as Orchids, Carnations, Violets, and a host of other "also rans." They are all beautiful; they all fill their places, but what one has sufficient popularity to fill the place of Queen? With its exquisite form, its graceful carriage, its thousands of different hues of color, coupled with the grandest foliage imaginable, we see it—the Rose—the embodiment of all that is beautiful in the kingdom of flowers. For ages the poets have sung their praise of its charms. The composer has put to music what stirred his soul when face to face with its matchless beauty. Innumerable times the painter has tried to copy its wonderful forms and colors.

Our Queen is the symbol of our fondest affections as well as of our deepest sympathy. Her mission is varied, fitting all occasions and all lives. Her bright coloring and delicate perfumes are silent messengers of comfort and cheer to the sick in body and soul. She also brings to the memory of most of us thoughts of the long ago—"the days of love and Roses." No human being can resist the charms of our Queen, no matter how lowly his station or how crude his ideas of beauty.

Truly, fellow members, no nobler profession exists than ours—the Rose grower's—whose everlasting patience and skill tries to improve on Mother Nature. To think that we send every day to thousands and thousands of homes these messages of love and cheer! No, we need not be afraid of any other flower taking the place of our beloved Queen, as long as we keep on producing and improving in the future as we have done in the past, to which fact the present exhibition now being held in this hall testifies. All growers of Roses are Rose lovers. Whether they produce the flowers for commercial purposes, or simply for pleasure, the aim is one—perfection. A few weeks ago I said, publicly, in Philadelphia that the Carnation was pushing hard for first place. Of course, we know the Carnation has its charms, but the Rose is its superior, and always will be. It is simply the fact that its producers, as a class, are putting forth their best efforts. But, if all Rose growers should strive as hard what marvelous results might be obtained.

The Rose Society has a motto—"A bush for every garden, a Rose for every home." It is to educate the masses of our people to the point of appreciating the value of the Rose as a means of culture, so that in the future men will discuss with each other the merits of their several Rose gardens, and compare notes on the different varieties. In the Springtime, before leaving in the morning for their places of business in the dark and dusty cities, they will take a run into their gardens and receive an inspiration from the bedewed beauties such as will enable them to wrestle more effectively with the problems of the day. Furthermore, they will enjoy talking to their neighbors and friends on these beauties of Nature, instead of simply filling each others' minds, as they do now, with exchanges of opinion on the various sports of the day, stocks and bonds, etc. That education no other flower can bring, as no creation of Nature has attained, as I said before, such beauty, and won such universal love as our Queen, when once thoroughly understood by the great amateur public.

The Rose, the Brigthest of the Flowers. When I started on this subject, I felt that I could not do it proper justice. But I caught the inspiration as I thought upon it, as everyone must be inspired when once thoroughly aroused to the charms of the Queen of Flowers. I have tried to convey some of my innermost thoughts on our glorious Queen, and doing it has brought back to my memory dreams of long, long ago; and I hope that for some, or all of you, it will also call up memories of the "days of love and Roses."

The Royal Horticultural Society of Great Britain is in a most satisfactory condition so far as finances are concerned, having £50,000 invested in gilt edged securities, a condition of opulence sufficient to provoke the envy of all the horticultural societies of the world.

American Museum of Natural History, 77th St. and Central Park, West, New York, where the Meeting and Exhibition of the American Rose Society was held jointly with the Spring Exhibition of the New York Horticultural Society

Prize Winning Vase for Best New Rose of American Origin Captured by Myers & Samtman with a Sport from My Maryland

(*Continued from page 520*)

For the best 25 Richmond; first prize $10; second prize $5; offered by Stumpp & Walter Co., New York City. Open to private gardeners only.—1, A. Farenwald; 2, E. Towill.

Awards of the Horticultural Society of New York

Flowering Plants—Miscellaneous

Cyclamen, for the best 20 plants (special prize offered by Messrs. R. & J. Farquhar), Silver Medal.—J. Stuart, Mamaroneck, N. Y.

Cyclamen, for the best specimen plant.—1, J. Stuart; 2, Mrs. A. Siegel, Mamaroneck, N. Y.

Rhododendrons, for the best 6 plants, in not less than 3 varieties.—S. Untermeyer, gdr. W. H. Waite.

Schizanthus, best 6 plants.—S. Untermeyer, gdr. W. H. Waite.

Best collection, foliage plants, arranged for effect, covering 50 sq. ft., Silver Medal.—Julius Roehrs Co., with collection of Crotons.

Orchids

For the best display, covering 50 sq. ft. of table space.—1, Lager & Hurrell, Summit, N. J.; 2, Julius Roehrs Co., Rutherford, N. J.

Cattleya Trianæ, for the best specimen.—1, W. A. Manda, So. Orange, N. J.; 2, J. Roehrs Co.

Cattleya Schrœderæ, for the best specimen.—1, W. A. Manda; 2, J. Roehrs Co.

Cattleya, any other variety, for the best specimen.—1, Frank L. Moore, Chatham, N. J.; 2, Lager & Hurrell.

Cypripediums, for the best display.—1, Lager & Hurrell.

Dendrobium nobile, for the best specimen.—1, W. A. Manda; 2, Lager & Hurrell.

Dendrobium Wardianum, for the best specimen.—1, W. A. Manda; 2, J. Roehrs Co.

Foliage Plants

Nephrolepis Bostoniensis, for finest and largest specimen.—F. R. Pierson Co., Tarrytown, N. Y.

Nephrolepis Piersoni, for finest and largest specimen.—F. R. Pierson Co.

Nephrolepis, any other variety, for finest and largest specimen.—F. R. Pierson Co., with N. elegantissima compacta.

Exhibits Not for Competition

John Lewis Childs, Floral Park, N. Y.—Three plants Calla Elliottiana.

Julius Roehrs Co., Rutherford, N. J.—Group of new Croton F. Sander.

H. C. Steinhoff, West Hoboken, N. J.—Group of Formosum Lilies.

A. N. Pierson, Inc., Cromwell, Conn.—Adiantum Farleyense plants, vase of Lily of the Valley, vase White Killarney, vase Pink Killarney, vase of My Maryland.

F. R. Pierson Co., Tarrytown, N. Y.—Three specimen plants Nephrolepis Bostoniensis exaltata.

Thos. DeVoy Sons, Poughkeepsie, N. Y.—Six vases of new Violet, Marie Elise, sport of Marie Louise.

Cottage Gardens Co., Queens, N. Y.—Vase of Seedling No. 405, vase of Mrs. C. W. Ward and vase of Alma Ward.

The Rosary Flower Co., New York.—Floral hat and muff, composed of Violets, Dendrobium Wardianum and Farleyense Fern.

A. L. Miller, Brooklyn, N. Y.—Exhibit of potted Marguerite Daisies and boxes of Pansies.

Among Those Present

Wm. Geiger, S. S. Pennock, Frank P. Meyers and Martin Samtman, all of Philadelphia.

A. Farenwald and E. Towill of Hillside, Pa.

Wm. A. Leonard and Aug. Doemling of Lansdowne, Pa.

Francis G. Marscham and A. Dorrance of Dorranceton, Pa.

F. Lautenschlager and August F. Poehlmann, Chicago, Ill.

John R. Andre, Doylestown, Pa.; P. T. Barnes, Harrisburg, Pa.; P. J. Donahoe, Natick, Mass.; Wm. Nicholson, Framingham, Mass.; Louis J. Reuter, Westerly, R. I.

John A. Evans, Richmond, Ind.; Richard Vincent, Jr., White Marsh, Md.

A. Gude and W. F. Gude, Washington, D. C.; Hon. Philip Breitmeyer, Detroit, Mich.

Wm. F. Kasting, S. Palmer and Prof. F. Cowell of Buffalo, N. Y.

F. Burki, Bakerstown, Pa.; Prof. Judson, Ithaca, N. Y.; P. Welch, Boston, Mass.; S. S. Skidelsky, Philadelphia, Pa.; E. G. Hill, Richmond, Ind.; J. A. Valentine, Denver, Colo.; and Peter Crowe, Utica, N. Y.

The Joint Exhibition at Philadelphia

The annual Spring show of the Pennsylvania Horticultural Society combined with the convention and exhibition of the National Gardeners' Association, opened on Tuesday evening. Coming about ten days early the exhibits were not quite so numerous as usual, but, as always at this show, the quality of exhibits was very high.

Some disappointment was expressed that so few members of the Gardeners' Association came over from New York; are they afraid to compete against the gardeners of Philadelphia? At least it looks so. We can assure them that had they competed and got beaten it would not have been to their discredit as our private gardeners do produce some exhibits of very high standard.

In cut flowers all attention was given to the seedling Carnation Wodenethe, exhibited by Winthrop Sargent, Fishkill-on-Hudson, N. Y. (F. C. Witney, gdr.), a grand white, flowers 4" in diam., stems 26", flower, perfect and of good substance; the best white Carnation ever seen here.

In other Carnation classes prizes were taken by P. A. B. Widener (Wm. Kleinheinz, gdr.), John Wanamaker (John H. Dodds, gdr.) and Countess Eulalia (Thomas Gaynor, gdr.); all of these staged grand blooms of the leading varieties of today.

The prizes for Tea Roses were taken by C. B. Newbold (Sam'l Batchelor, gdr.), Prof. H. F. Osborn, Garrison, N. Y. (James Bell, gdr.) being second.

On Roses in pots, John W. Pepper (Wm. Robertson, gdr.) took most prizes, exhibiting such varieties as The Farquhar, a climbing Rose, The Lion, Harry Kirk, Walter Speed, Geo. C. Waud and Mrs. Aaron Ward, all being well done, with good foliage from the pot up. In the class for Cyclamens, the prizes were taken by C. B. Newbold and John W. Pepper; the former had a grand lot of plants in 6" pots, bearing 30 to 50 flowers each, the flowers being of large type; this exhibitor also staged a plant of white Cyclamen, named Crosswick's White, a seedling, the flowers being of very large proportions; a grand plant.

Cineraria Stellata was, as usual at this show, very well done; the plants from C. B. Newbold were particularly good, dwarf and about 3½ to 4 ft. through.

A group of foliage and flowering plants staged by C. B. Newbold was the admiration of every one, the flowering plants in the group consisting of Wistarias, Laburnums and Lilacs in several varieties; in the center was a fine plant of Dracæna Godseffiana, 3 ft. through. Azaleas were exhibited by C. B. Newbold, Mr. F. C. Penfield and John W. Pepper, the first named having one plant of A. Indica 5 ft. in diameter.

First prize for pair of specimen Palms went to C. B. Newbold for Caryota urens, 10 ft. high, second to Mrs. F. C. Penfield (John McCleary, gdr.) for a pan of Phœnix Roebelenii, the best two ever seen here, about 5 ft. high with a spread of 4½ ft.

There were some very fine vases of Antirrhinum flowers at this show shown by Mrs. R. B. Ellison (Axel Lindroth, gdr.) Countess Eulalia and John Wanamaker. Winter forcing Stocks were also quite numerous; both of the above are being grown quite extensively in this section.

The Popular Brand of Lilac Handled by John W. McIntyre of Philadelphia

In Tulips, the most noticeable were three plants of l'Unique, a new variety of single Tulip; it bears a white flower striped with lemon yellow and is a splendid acquisition. All Tulips and Hyacinths were very good; of the latter the best varieties were Koh-i-noor, Moreno, Czar Peter, l'Innocence and Lord Balfour.

In Spiræas, outside of S. superba, other varieties shown were not so good this year.

Henry A. Dreer, Inc., made a very good display of foliage plants. Lager & Hurrell a display of Orchids. Alphonse Pericat a display of Orchids.

The National Gardeners' Association held a banquet at Dooner's Hotel, Tuesday evening, at which 68 were present. On Wednesday, the delegates visited the principal florist's establishments and, in the afternoon, paid a visit to the nurseries of Henry A. Dreer at Riverton, N. J.

On Wednesday evening the business meeting of the Association was held, Wm. Kleinheinz being re-elected president and W. E. Maynard re-elected secretary. The Association decided to hold their next meeting and exhibition in 1911 at Boston, during the S. A. F. National Flower Show.

Lager & Hurrell's Prize Winning Table for Best Display of Orchids

Our arrangements for careful packing and prompt shipment are perfect

It will help us, and you, if we have your Easter order early

Price List : : Easter 1910

COME AND SEE OUR STOCK Any Buyer seeking quality will be well repaid by inspecting our large stock of Crimson and Pink Ramblers, Hydrangeas, Lilies, Azaleas, Rhododendrons, Spiræas, etc., etc.

The early Easter will make absolutely no difference to us. Our stock is excellent and timed just right for Easter. Send us your orders at once to insure satisfaction.

Lilies

Our stock is exceptionally good this year.
Plants from 4 to 8 blooms....at 12c. per bloom
Made up pans from 12 to 20 blooms .....at 12c. per bloom
Plants with less than 4 blooms, at 15c. per bloom

Azaleas

Our stock of Azaleas is the largest and finest we have ever had and includes:
Van der Cruyseen, Vervæneana, Emp. of India, Emp. of Brazil, Niobe, Bernard Andrea Alba, Prof. Wolters, etc., etc., at 75c., $1, $1.25, $1.50, $2, $2.50, $3, $3.50, $4, $5, $6, $7.50 and $10 each.
Pyramid Azaleas, very fine, at $3, $3.50 and $4 each.
Azalea Mollis, Anthony Koster, the best yellow, at $15 and $18 per doz.
Azalea Mollie Ass't, very large plants, at $2.50, $3 and $3.50 each.
Small Azaleas for Basket Work, at $4 per doz., $30 per 100.

Crimson Rambler Roses

These plants are unusually fine and will be just right for Easter.
6-in. and 7-in. pots..at $1, $1.25 and $1.50 each
8-in. pots .....at $2 and $2.50 each
Plants trained in fan and globular shapes, extra fine, at $2, $2.50, $3, $3.50, $4, $5 and $6 each.

Pink Rambler Roses

Lady Gay and Dorothy Perkins

In great condition, trained into fan, globular and pyramidal shapes. At $1.25, $1.50, $2, $2.50, $3, $3.50, $4, $5 and $6 each.
Special Ball Shapes, at $1.50, $2, $2.50, $3 and $3.50 each
Special Wire Fan Shapes..at $3 and $3.50 each
Standard Lady Gay Umbrella Shape..$3.50 each
We want to call your attention to this **Special Standard Lady Gay Umbrella** which we have in exceptionally fine condition. This, we believe, cannot be duplicated anywhere.

Tausendschon (New) "Thousand Beauties"

This was our finest Climber last Easter and this year the plants are still better. We cannot recommend the Tausendschon Rambler too highly.
Strong plants in 5-in. and 7-in. pots, at $1, $1.25 and $1.50 each.
Trained plants, Fan, Globular and Pyramidal Shapes, at $2, $2.50, $3, $3.50, $4 and $5 each.

Baby Rambler Standards

Exceptionally fine plants, 3 to 5 foot stems, at $1, $1.25, $1.50, $2 and $2.50 each.

White Baby Rambler Standards

At $1, $1.25 and $1.50 each.

Standard Double-Budded White and Red Baby Rambler on Same Plant

At $1.50 each.

Baby Ramblers

Good strong stock, well flowered, at $3, $6 and $9 per doz.

Hiawatha

The best of its color.
6-in. and 7-in. pots, trained in globular and fan shapes, at $1.25, $1.50, $2, $2.50 and $3 each.

Mrs. Cutbush (New)

Pink Baby Rambler

This is a good one, in 5-in. pots, at $6 and $9 per doz.

Baby Dorothy (New)

Pink Baby Rambler very similar to Mrs. Cutbush.

4-in. and 4½-in. pots.....at $4 per doz.
5-in. pots .....at $5 per doz.
6-in. pots .....at $9 per doz.

Hybrid Roses

We have an unusually large stock of Hybrids which will be just right for Easter; all the best varieties, including:
Richmond, Kaiserin, Mrs. Henshaw, Killarney, etc., at $5 and $9 per doz.
Magna Charta, very fine, at $9, $12, $15 and $18 per doz.

Hydrangeas

At $6, $9 and $12 per doz.
Large plants at $1.50, $2 and $2.50 each.
Hydrangea Otaksa, Standard (New), at $2, $2.50 and $3 each.

Rhododendrons

Shapely, well-budded plants, including all the best varieties, at $1.50, $2, $2.50, $3, $3.50 and $4 each.
A few larger plants in tubs, very handsome, at $5 and $5 each.

Rhododendron Pink Pearl (NEW)

The most beautiful of all the Rhododendrons, at $2.50, $3, $3.50 and $4 each.

Lily of the Valley

5-in. pots .....at $6 per doz.
6-in. pots .....at $9 per doz.

Bougainvillea Glabra Sanderiana

Magnificent plants, exceptionally well flowered, at $2.50, $4, $5, $5, $7.50 and $10 each.

Genistas

A grand stock, grown cool and just right for Easter, at $2, $3, $4, $5, $6, $9, $12 and $15 per doz.

Spiraea Gladstone

Our stock is in superb condition.
6-in. pots .....at 50c. each
7-in. pots .....at 75c. each
8-in. pots, made up .....at $1 each
9 and 10-in. tubs, made up..at $1.50 and $2 each

Pink Spiraea

Queen Alexandra, very beautiful

6-in. pots .....at $9 per doz.

Double Daisy, Queen Alexandra

Well grown and well flowered.
4-in. pots .....at $2.50 per doz.
5-in. pots .....at $4 per doz.
6-in. pots, very fine.....at $6 and $9 per doz.

Marguerites

Very well flowered, 6-in. pots....at $4 per doz.

Oranges

5-in. and 6-in. pots, 4 to 8 fruits, at 60c., 75c., $1 and $1.50 each.

Nephrolepis Scottii

6-in. pots .....at $6 and $9 per doz.
8-in. pans .....at $12 per doz.
10-in. pans .....at $1.50 and $2 each

Nephrolepis Todeaoides

The London Fern.

We have a large stock for growing on, in 2-in. pots, at $5 per 100, $45 per 1000.
6-in. pots .....at $6 and $9 per doz.
11-in. tubs .....at $2.50 each

Nephrolepis Amerpohli

The Philadelphia Lace Fern.

5-in. and 6-in. pots .....at $6 and $9 per doz.

Nephrolepis Whitmani

9-in. pots .....$2 each

Nephrolepis Scholzeli

Ready Now.

2¼-in. pots .....at $8 per 100, $75 per 1000

Asparagus Plumosus

2-in. pots .....at $4 per 100

Areca Lutescens

Exceptionally fine stock.
5-in. pots .....at $7.50 and $9 per doz.

Dracaena Massangeana

Perfect plants, 6-in. pots, at $18 and $24 per doz.

Dracaena Fragrans

6-in. pots .....at $6 and $9 per doz.

Crotons

We have the largest stock of Crotons in America. Well colored plants.
4-in. pots .....at $25 per 100
5-in. pots .....at $50 per 100
6-in. pots .....at $75 per 100
Large plants .....at $1, $1.25, $1.50 and $2 each
Made up plants .....$2.50 to $10 each

Pandanus Veitchii

Well colored
4-in. pots .....$5 per doz., $40 per 100

English Hawthorn

8-in. pots, 3½ to 4 feet tall.....at $2 each

Standard Prunus (Plum)

Very handsome plants .....at $2 each

Wistaria (Blue)

at $1.50 and $2 each.

Flowering Apples and Almonds

at $1.50 each

Ficus Pandurata

6-in. pots, 24 to 36 inches high, at $2, $2.50 and $3 each.
Larger plants .....at $3.50, $4 and $5 each
Branch Plants ....at $2.50, $3, $3.50 and $4 each

Begonia Gloire de Lorraine

We claim to have the largest and finest stock of this grand Xmas plant in America.
All plants propagated from leaves and twice shifted. Shipped from 2½-in. pots, at $15 per 100, $140 per 1000.

Special prices on lots of 5000 plants, or over.

An early Easter makes no difference to us, we are always ready

ROBERT CRAIG COMPANY

Forty-Ninth and Market Streets PHILADELPHIA, PA.

"Craig Quality" stands out everywhere

Notes on Flowering Shrubs for Easter

By JOSEPH MEEHAN

Pussy Willows in Boxes

There is one flower that is always welcome at Easter, the Pussy Willow. It seems that every one knows of this Willow and its Easter flowers, either from having seen one in their old home in childhood days or from having seen it so often used at Eastertide. Its general appearance is in the way of cut shoots, cut a short time in advance of their being used, and forced along by placing them in a warm cellar. It takes but a short time to bring them into flower on the approach of Easter. In fact, when Easter comes late this Willow is sometimes in flower in the open air. The "pussies" are the male flowers. They are much larger than the female ones. The latter make so little display that no one would think of forcing branches for the sake of getting them.

To grow this Pussy Willow in boxes young plants should be used to start with, for the reason that older plants have such large roots. The plants should be cut back to near the ground, aiming to secure by this a growth of some half dozen or more of strong branches. Then they should be planted in the nursery in early Spring. Dependent on their having made a good growth they should be lifted in Autumn and heeled in, in a potting shed, ready for placing into boxes soon after Christmas, if wanted for Easter. If little or no growth was made in Summer there would be no use in using them for forcing, for the flowers come on the shoots made the preceding Summer.

Euonymus Japonicus aureus

An attractive plant when grown in pots is the golden leaved form of the Euonymus Japonicus, known as aureus. There are two forms of this, one having a golden center with green edgings, the other a reversal of this, the golden part being the edgings only. Both are most attractive when seen in pots, and are apt to find many purchasers, especially at times when decorations indoors are desired. It cannot be claimed that there are berries as well, for though all varieties of Japonicus bear berries it is not until they are large bushes, or at least larger than such as in mind for pots. There are, besides the golden-leaved some variegated-leaved sorts, which are handsome; and even taking the old green-leaved one, the common Japonicus, it is a handsome bush when in good soil.

In southern Pennsylvania these Euonymuses are quite hardy, being often used in cemeteries; and even farther north they do very well if not set in a trying position. There is a scale having a fondness for this Euonymus. It has come to be called the Euonymus scale; like all other scales it cannot withstand a strong odor of oil, or some of the miscible oils now offered for sale for spraying purposes.

Forcing Hydrangea alba grandiflora

At Easter time the pots of Hydrangea Hortensia in flower are common in all florists' windows, and from their beauty and usefulness as shrubs nearly hardy they are in much demand. There can be added to this favorite another species, the new sterile flowered variety of H. arborescens, called alba grandiflora, becoming now well known as a Summer blooming shrub, but which has not been taken hold of for forcing as yet, though this Easter may see some of it. There is a second sterile flowered new one, a variety of the H. cinerea, which its introducer, E. Y. Teas, calls Teas' Snowball Hydrangea.

As when growing in the shrubbery these sorts flower at the same time as the Hortensia, when growing alongside of it, it of course should force as well as it, and would require about the same time to do it. When outdoors it flowers in late June as a commencement, keeping up a succession for a month or more, when the plant is bushy.

These two hardy sterile forms must be pruned differently from the Hortensia. They must be cut well back to give strong shoots with large heads, but if many heads of smaller size are preferred then do not cut them back more than a third of their length. Florists know well that H. Hortensia must not be pruned back at all.

Skimmia Japonica

One of the prettiest small evergreens with red berries grown for Easter decoration is the Skimmia Japonica, a neat evergreen from Japan. It is a rather common evergreen in the gardens of Europe, being much used in borders and like positions where quite low growing plants can be used to advantage. As seen in florists' windows the plants offered are usually of about six to twelve inches high, and are well furnished with red berries; and often at the same time the plants are bearing their white flowers.

The Skimmia is quite hardy in the vicinity of New York City, preferring a partly shaded position and deep soil to do its best.

Forcing Shoots of Shrubs

Besides the several shrubs that are potted and forced for Easter, there are several sorts the shoots of which may be cut off and forced with much satisfaction. It does not take very long to get these shoots to flower, as only those shrubs that flower in early Spring are cut from, and when undisturbed on the bushes they flower in a few weeks from the time of the opening of Spring. The usual plan is to cut the shoots as wanted, some in Midwinter, perhaps, others a few weeks later and so on, to furnish a succession of bloom. For Easter use it does not take so long a time to bring the shoots into bloom as it does earlier in the year, because the flower buds are more expanded then; in fact, some of the very earliest of the early ones, such as the Golden Bell, for instance, will flower in two weeks if not cut before some time in March. The following list of trees and shrubs may all be tried; some of them are well known useful sorts, others are not so well known, but as all are of the very early flowering lot, and are pretty when in flower, they should be tried. It may be added that commission and other houses say that it really is no great matter to have these shoots in at Easter or on any holiday, they sell at any time. The trees are: Red Maple, Flowering Apple, Cherry, Plum, Peach, Pear, Willow. The shrubs are: Amelanchier, Amygdalus, Caragana, Corylus, Daphne, Deutzia, Exochorda, Forsythia, Lonicera, Ribes aureum, Spiræa (Spring varieties), Staphylea, Syringa, Pyrus arbutifolia, Weigela. The Corylus take in the Hazel nuts, the catkins of which are quite pretty; the Daphne in mind is the Mezerium, the blossoms of which are so sweet scented. The Forsythia is the well known Golden Bell; the Lonicera in mind, principally, is the fragrantissima, though the Tartarian group has good ones in it for the purpose. Where command of shoots of the Jasminum nudiflorum can be had, and the shoots have flower buds on them, they force well.

Treatment of Shrubs After Forcing

The after treatment of shrubs used for forcing purposes requires some consideration. Lilacs, Staphyleas, Snowballs, Spiræas, hardy Hydrangeas, Flowering Almonds and other shrubs are on the list, and, as a rule, it is desirable to have the same plants flower again next season. Every one of these shrubs must make fresh shoots if we are to have flowers from them next Spring, excepting the Hydrangea, which may be cut back in Autumn, flowering from the shoots it makes when it pushes afresh in Spring or when forcing starts. The rest of the kinds named must not be thrown aside if to flower again another year, but should be placed in some light, warm place where the growth they have made will continue to progress, remembering that the more growth made the more flowers they will have. Kept where growth is unchecked until safe to place them outdoors, they are then best planted in nursery rows, taking care not to disturb the roots greatly when taking them out of pots. When Autumn comes they must be lifted, heeled in, in a shed or some place where they can be reached a month or two later, then again placed in pots. Some prefer the plan of having two sets of plants, one to rest a year and a half in planted out positions before being again forced. Whether necessary to do this or not depends on what shoots the plants make the Summer first succeeding their planting. If there are a nice lot of young shoots made this is all that is required, and the plants may as well be used again as not without waiting another season for them.

Aucuba Japonica

Aucuba Japonica

Aucubas are well known ornamental shrubs, natives of Japan, and are much prized for planting with other evergreens, where they are hardy. This is especially true of the one of golden spotted foliage, its foliage doing much to relieve the green of the other evergreens surrounding it. This one, the writer presumes, must be a male form, as no berries have ever been observed on it, and Aucubas are known to be diœcious plants. The green leaved ones, such as our photograph represents, are female plants, and when fertilized naturally by other plants near them, or artificially, they become full of berries, as our plant is. When in this condition there is much attraction in them. For both Christmas and Easter use they are always welcome, their bright red berries and deep green leaves combining so well together.

The writer has never tried the green leaved ones for hardiness, but the yellow-spotted leaved one, so familiar to all as the old Aucuba, is much hardier than is supposed. Some of our works speak of them as enduring 5 or 6 degrees of frost, when in a pit. The old Aucuba endures the Winters of Philadelphia, where they get zero weather at times, provided there is some protection from both sun and wind.

When desired for selling in the holiday seasons, it is best to keep them in pots or tubs all the time, setting the plants outdoors in some cool place in Summer, and treating them well to rich food.

There is a good demand springing up in the South for Aucubas; and those who may wish to propagate them can do so by making cuttings of the half ripened tops.

Azalea Indica alba

In addition to the beautiful greenhouse Azaleas, now so prominent a feature of Easter time, attention may be called to a species which had much to do with them, the Azalea Indica alba. This was one of the parents of some of the earlier named kinds in florists' use. Besides its worth on account of its white flowers, it is the more valuable than many because of its being very hardy. It is so hardy that when of good size and well established it is not hurt in zero weather, which, surely, places it well among hardy shrubs. There are a few very large bushes of this Azalea growing in gardens in Philadelphia, some of which have been in their positions for years; and one is growing in Laurel Hill Cemetery, in that city, which has been there for 30 years, to the writer's knowledge.

It is, therefore, advisable for anyone having a plant of it in a collection to plant it out permanently when Spring admits of it. Set it in a high position rather than a low one. It ripens its shoots better there, which is a great advantage when hard freezings come later.

Azalea Indica alba

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*The story of its new name is of more than passing interest. Members of the Rochester Chamber of Commerce, which has recently chosen the Aster as the representative flower of this city, were so pleased with the color, shape and size of Vick's Mikado Pink, that they have selected it as the official flower of Rochester, and have requested that we rename it "Rochester." Therefore, in addition to its former name it now bears the honored name of this city.

During the recent Industrial Exposition reproductions of this Aster have appeared in countless papers, programs and private advertising matter. Thousands of souvenir spoons, watch fobs, and hat pins, carrying a design of this Aster, have been sold by various concerns. The design and coloring of this beautiful flower are an important feature of the mural decorations of the Temple Theatre, just finished, which, by the richness of its appointments, in many respects, surpasses any other playhouse between New York and Chicago. It will also appear in the color schemes and figurative designs of the decorations and furnishings of the handsome new lake steamship, The Rochester.

Naturally we are proud of the various honors which have been bestowed upon this flower, especially in view of our prediction last year that it would spring into popularity surpassing that of any other variety in the last ten years.

One of these fine days you will need those seeds, and of course you want the best seeds. Get that **"Aster Book for Florists"** at once and become acquainted with all of the leading varieties, not only those introduced by us, but all the leading kinds from whatever sources. Attend to this matter today.

JAMES VICK'S SONS, Rochester, New York

Golden Gate Park

This large and beautiful park, of which so little is known in the East, is unique in many of its features, notably for its setting, presenting, as it does, a frontage of half a mile to the broad Pacific Ocean; and for the finished problem of park building which it represents: for when this tract, 1040 acres, was taken over by the city of San Francisco, in 1871, it consisted of nothing but a waste of barren sand dunes, the greater portion of which was absolutely bare of vegetation, not a blade of grass to be seen, a waste of drifting sand, changing in contour every day, and reminding one, from a distance, of great snow drifts. On the upper portions the native scrub Oak and wild Lupin grew, but it is safe to say that at least three-fourths of the acreage was a mass of moving sand.

The Site of Golden Gate Park, 30 Years Ago

Naturally, the first problem to be worked out was the tying down of the sand to prevent it from drifting, and after many experiments extending over as many years, this was accomplished by means of the Sea Bent Grass—Ammophyla arenaria—the seeds being imported from France.

The sand shifting having been stopped, the next operation in the work of park building to be undertaken was the planting of the grounds with trees and shrubs. After experiments with a great many of the hardy varieties, including those especially suggested by European foresters, it was found that the only ones to successfully withstand the test of facing the storms and the blasting influence of the sand-ladened winds in the more exposed places were the Pinus maritima, Cupressus macrocarpa, Pinus insignis, the Common Blue Gum—Eucalyptus globulus—and the Red Gum—Eucalyptus viminalis—Acacia longifolia, and Leptospermum lævigatum, these hardy species forming in time a perfect shelter for the less hardy varieties. They grew fairly well for about ten years, but after that time they seemed to become bark bound and stunted, showing that the trees, after they begin to form heart wood, require a richer soil than that composed of pure sand; it was, therefore, necessary to supply them with a foreign fertilizer. This was done by utilizing the street sweepings from the downtown streets, which were brought out on electric cars and distributed among the starving young trees. A few months later the trees took a fresh growth and appeared to get new life and vigor, the leaves becoming darker and more richly colored. In addition to the street sweepings, thousands of cubic yards of loam, clay, etc., have been carted into the park each year for the formation and growth of lawns and shrubbery groups.

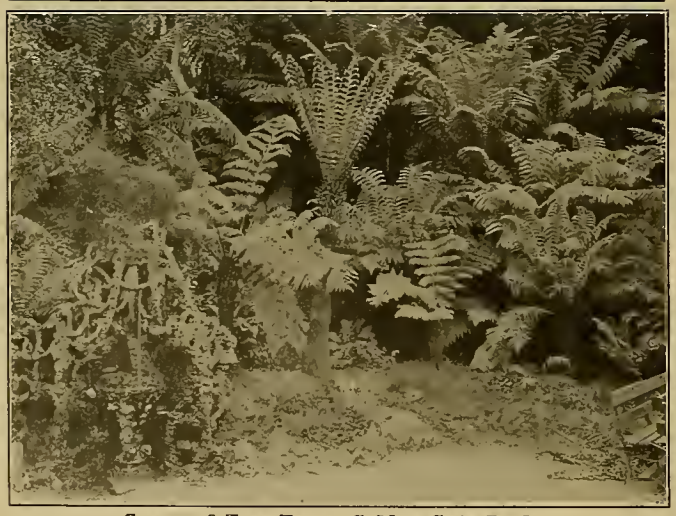
Music Concourse and Band Stand, Golden Gate Park

Perhaps, to a plant lover, one of the most notable and interesting features of Golden Gate Park is the diversity of the plant life exemplified, for here we find growing the Cedar of Lebanon from Mt. Atlas, the Araucarias of Chile, Brazil and Norfolk Island, Magnolia grandiflora of our Southern States, the Elms of New England, the fragrant feathery Acacias of Australia, thickets of Bamboo, masses of Azaleas, Camellias and Rhododendrons, as well as the Yews of England, Sequoias, Cypresses and Pines of California, together with the stately Rubber tree; while hundreds of other varieties of trees and shrubs are to be seen, natives of many climes, all of them apparently happy and healthy in their new home.

Conservatories, Golden Gate Park

Starting at the main entrance, on Stanyan st., a grand sweeping driveway, eighty feet wide, meets the eye, disappearing in groves of Acacias and Eucalyptus. To the right can be seen the park lodge and executive offices, set off by fine plantings. Here are Fuchsias, 35 ft. high, covered with thousands of their gay colored flowers. On the north wall of the lodge are planted Lapageria, varieties alba and rosea; on the south side Clematis and Bougainvillea Sanderiana, vying to outdo each other with their great masses of flowers. After passing on through the Acacia groves one comes to the Mexican garden, with its great collection of Agaves, Yuccas and succulents; here may be seen the Century Plant at perfection, with its great flower spikes towering up to 40 ft. Then, graduating away from this, is the sunken garden with its many beds of gay colored flowers, backed by the park conservatories containing grand specimens of Palms, Cycads and hothouse plants of every description. Here and there, in sheltered nooks, can be seen plantings of Tree Ferns. This class of plants do remarkably well here, especially Cyathea medullaris and Dicksonia antarctica. So well have they done and do they harmonize with their surroundings that there will be plantings made, this Fall, of something like a thousand stems in one canyon. This, I believe, will be a unique feature in park planting the world over.

Especially noticeable are the water effects in the park, the largest of which is Stow Lake, and which completely surrounds Strawberry Hill, affording abundant room for boating, etc., with its area of over a mile. This lake contains two good-sized islands, and accommodates a large collection of water fowl, which breed on the islands. Tumbling into Stow Lake is a magnificent waterfall, named Huntington Falls, $25,000 having been donated for its construction by the late Collis P. Huntington. In addition there are the "Chain of Lakes," extending across the park a distance of half a mile, Lloyd Lake, a most charming and beautiful little lake, and Spreckles Lake, devoted to the sport of miniature yachting, and two other good-



Group of Tree Ferns, Golden Gate Park

Dracæna Australis on Stow Lake, Golden Gate Park

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Are Noted the World Over for Superior Merit

GLADIOLUS "AMERICA" The peer of all Gladioli
This is conceded to be the most beautiful and valuable variety in the world. Color: Beautiful flesh pink tinged with lavender. A certificate of merit has been awarded wherever exhibited. By far the most vigorous and easily-grown Gladiolus known. Strong and healthy, with luxuriant dark green foliage and a freedom of growth and flowering surpassing all others. It is the florists' variety of today. Per doz. 60c., 100 $4.00, 1000 $35.00.

GLADIOLUS "BLANCHE"
A sterling white variety having but faint marks. The flower is very large and white not new we consider it one of the most valuable, and we continue to hear highest words of praise for it. Per doz. $1.50, 100 $10.00.

A Grand New White Gladiolus "ALINE"
One of the grandest pure white sorts ever introduced. The flower is pure white and very large, bell-shape, well formed, on a strong spike; extra fine. Per doz. $3.00, 100 $20.00.

GLADIOLUS "CARDINAL"
A perfect flower and spike, very large and the brightest, cleanest and most intense cardinal scarlet yet seen. This variety always stands out conspicuous, and is of such sterling merit as to please everybody that loves a scarlet flower. Per doz. $1.00, 100 $8.00.

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Flowers of great substance and a beautiful compact spike of perfect form. Color intense scarlet with a large, distinct pure white center which is neither tinted nor mottled. One of the most striking and beautiful Gladioli ever introduced, always attracting special attention whenever exhibited in a collection at shows. Destined to become one of the most valuable varieties to be obtained. Per doz. $3.00, 100 $20.00.

Every One of the Following Gladioli Represents Real Merit

Attraction. Deep dark, rich crimson with a very conspicuous large pure white center and throat. Per 100 $4.00, 1000 $30.00.

Blue Jay (Baron Hulot). The finest blue Gladiolus yet seen. It is a rich deep color of indigo shade. Per 100 $10.00, 1000 $90.00.

Brenchleyensis. Vermilion scarlet. Per 100 $1.50, 1000 $10.00.

Brilliant. Beautiful orange-red with carmine and white throat. Per 100 $3.00, 1000 $25.00.

Capt. C. B. Tanner. Brilliant crimson and white freely mottled. Per 100 $6.00, 1000 $50.00.

Canary Bird. Fine yellow. Per 100 $6.00, 1000 $50.00.

Ceres. Pure white, spotted with purplish rose. Per 100 $1.50, 1000 $12.00.

Dr. Hogg. Mauve, suffused with rose; center white. Per 100 $4.00, 1000 $30.00.

Emma Thursby. White ground; carmine stripes. Per 100 $3.00, 1000 $20.00.

Eugene Scribe. Perfect tender rose, blazed carmine-red. Per 100 $4.00, 1000 $30.00.

F. L. Oakley. Bright salmon tinged scarlet, with a pure white center. Per 100 $6.00, 1000 $50.00.

Gen. Phil Sheridan. Fiery red, white line running through each petal. Per 100 $3.00, 1000 $26.00.

Glory of Brightwood. Scarlet; with lemon throat. Per 100 $4.00, 1000 $30.00.

Isaac Buchanan. Very fine yellow. Per 100 $4.00, 1000 $35.00.

I. S. Hendrickson. A beautiful and irregular mottling of white and bright deep pink; in some the pink, and in others the white, predominating. Flowers and spikes very large and fine. Per 100 $8.00, 1000 $76.00.

Irene. Color a fine shade of pink, freely flaked bright crimson. Per 100 $5.00, 1000 $40.00.

Kate. Blush white, with crimson blotched throat. Per 100 $4.00, 1000 $30.00.

Little Blush. Dwarf habit, compact spike of a blush white. Per 100 $3.00, 1000 $25.00.

Klondyke. Light yellow, crimson maroon blotch. Per 100 $6.00, 1000 $40.00.

Lamarck (De). Cherry, lightly tinted with orange. Per 100 $1.50, 1000 $12.00.

Octoroon. A beautiful salmon-pink; very distinct. Per 100 $4.00, 1000 $30.00.

Reine Blanche. Pure white, dark carmine blotch. Per 100 $3.00, 1000 $20.00.

Richard Coeur de Lion. Fine spike of large flowers of a bright crimson-red color flamed and edged with garnet. Per 100 $6.00, 1000 $40.00.

Shakespeare. White, very slightly suffused with carmine-rose, large rosy blotch. Per 100 $6.00, 1000 $50.00.

Scribe. A beautiful, large, wide-open flower and an enormous spike. Color like the fine old Eugene Scribe, tinted white, freely striped carmine. A very attractive sort. Per 100 $12.00, 1000 $100.00.

Salem. Fine salmon-pink, maroon blotches. Per 100 $3.00, 1000 $25.00.

Superb. Enormous flower and spike, one of the very largest; pink, flaked and striped. Per 100 $5.00, 1000 $40.00.

Sulphur King. Beautiful clean, sulphur yellow, finest and clearest of yellow sorts; without any doubt this is the very best yellow variety yet introduced. Per 100 $15.00, 1000 $120.00.

Wild Rose. Very bright rose or blush tint, exceedingly delicate and pretty. This variety needs only to be seen to be appreciated and we predict a great future for it. In its particular color it stands alone. Per 100 $15.00, 1000 $120.00.

Pink and White Mixture (New)

This is the ideal mixture for the florist who wants something extra fine for particular trade. Some of our best whites and pinks are used, including "America." Per 100 $3.00, 1000 $26.00.

Blue Hybrid Seedlings

This mixture is the result of sowing seeds of the best blue shades obtainable from Europe and the variation of colors is beyond description. Per 100 $5.00, 1000 $40.00.

Complete catalogue of other varieties of Gladioli, as well as a full line of Iris, Liliums and other Summer-Flowering Bulbs, free on application.

John Lewis Childs, Floral Park, N.Y.

sized sheets of water. All of these are, of course, artificial, but are charmingly natural in their effects, the aim appearing to have been to bring them back as closely as possible to Nature.

The children's quarters have been made quite a feature. There is a large stone main building, where refreshments are served at a minimum cost to women and children, also a large merry-go-round, and goats and donkeys, a charge of two and a-half cents being made for each ride. Swings and slides, sand boxes, etc., are provided free of charge for the little folks, while a good-sized ball ground adjoins, for the use of small boys.

Tennis courts, to the number of twelve, are provided free of charge, and are decidedly popular, being crowded every day to their utmost capacities. There is also a fine bowling green, which is likewise very popular, especially among the "Scots." Every Saturday afternoon may be seen a gathering of the clans.

A large stadium, the finest in the world of its kind, has been constructed in the western portion of the park—completed just prior to the fire of 1906, the first meet being held there July 4, 1906, which was San Francisco's means of celebrating Independence Day, fireworks being prohibited in San Francisco on that day. The stadium is surrounded by a three-quarter mile trotting track, 60 ft. wide, and from it, sloping inward, are grassy slopes 30 ft. wide, which provide accommodation for an unlimited number of spectators. Within this, and about 15 ft. below the trotting track, there is a bicycle track; and inside of this a running track, upon which is provided a 220 yd. straightaway cinder path. The inside of the stadium is covered with grass, providing accommodations for cricket, football, basketball and lacrosse, a quarter-mile cinder path, and, of course, facilities for pole vaulting, jumping, shot putting, etc.

In addition, there is provided a reinforced concrete grandstand for use of the spectators of the trotting races. This will be extended from time to time until the whole track is encircled with one great grandstand, adorned with high towers, and embodying every comfort and decoration known to art. Adjoining this is a fine building containing dressing rooms, lockers, shower-baths, etc., for the runners and players, also a swimming pool for their use.

For the baseball players there has been set aside a fine sheltered valley, laid out in lawns, consisting of 20 acres. Any day, one may sit on the banks and see several fine games of this, the "king" of all American sports, in full action.

Superintendent's Lodge, Golden Gate Park

There is also a large collection of animal and bird life here, although no attempt has been made at a menagerie, all of the animals being provided with abundant space. The aviary consists of wire enclosed cages, covering approximately 3 acres, with a walk 20 ft. wide and 12 ft. high down the center. Part of the aviary is enclosed with glass, inside the wire netting, to give protection to the birds during storms and rainy weather. It contains a fine collection of small birds, specimens from all over the world, and they enjoy almost perfect freedom, nesting among the trees and bathing in miniature fountains and rivulets. There are also squirrel cages and pheasant cages, as well as a large cage for eagles, etc. Elks, of which there are about 40 head, have a space of 30 acres in which to roam. Buffalo are accommodated with two paddocks, one of 5 acres and the other of 20 acres, there being about 20 head of these, now almost extinct, animals. In addition there is a large paddock of about 15 acres in which small deer, moose and kangaroos are kept. Bears, eight in all, have large accommodations. All the animals breed freely and the numbers of each herd are increasing year by year.

A music stand, the gift of the late Claus Spreckels to the city and costing $80,000, is a massive stone structure, and one of the finest of its kind to be seen anywhere. Around it is a seating capacity for 20,000 people, benches being placed among the trees in front of the stand, and at a slightly lower elevation than the surrounding drives, in order to give thorough protection to the listeners. Surrounding the concourse are drives, bicycle paths and walks, vehicles being compelled to keep on the move for safety. Concerts are given every Sunday afternoon during the year.

Adjacent to the music concourse are the museum and a Japanese garden. The latter covers a space of over 6 acres, and in it tea is served, at a minimum cost, by dainty Japanese maidens, in little tea houses scattered among the miniature lakes. The Japanese garden is a gem and a work of art, perfect in every respect and, I am told, as fine as anything of its kind to be seen, even in Japan. In it may be found grand specimens of dwarfed trees, plantings of Azaleas, Camellias, Iris and Peonies; and the fences, bridges and buildings are as fine as can be built by any Japanese artisans.

The Acacias are especially noticeable at any season of the year; one or the other of the twenty-five or more varieties planted here are in bloom the year around, beginning with Acacia longifolia in January and ending with Acacia calamifolia in the late Fall. Some of these varieties obtain the proportion of great trees in this gorgeous clime. For instance, the Fern-leaved Acacia—A. mollissima—will reach a height here of from 60 to 75 ft., with a spread as great. Imagine how effective such a tree must be with its great masses of sulphur-yellow racemes, rivaling in the beauty of its flowers the well-known Acacia pubescens. Dracæna indivisa grows exceedingly well here, attaining a height of 35 ft., and the specimens are unique in effect when planted in groups. Along the drives and pathways may be noticed great masses of Abelias, Berberis, Genistas, Cassias, Ceanothus, Cestrum, Choisya, Coprosma, Daphne, Datura, Diosma, Duranta, Ericas, Escallonias, Eugenias, Fabiana, Gardenia, Habrothamnus, Hypericums, Laurestinus, Leptospermum, Melaleuca, Metrosideros, Myrtus, Nandina, Nerium, Olea, Pittosporum, Polygala and Veronicas; in fact, everything in the way of hard-wooded plants grows luxuriantly here.

A great problem with which it is necessary to contend continually in the maintenance of this park, is the water supply. In order to appreciate what this means it is necessary to bear in mind the fact that San Francisco is without rain for practically nine months of the year, making it necessary to supply water by artificial means, to sustain the grass and plantings throughout the entire park. During these nine dry months there is a force of sixty men kept busy, watering all the time. A very good idea of the enormity of this item, is presented when it is considered that about 2,000,000 gallons of water are used daily, and this is distributed, from the mains entirely, by means of hose, 15,000 ft. of it being daily in use for this purpose.

The water is supplied by a system of artesian wells, and is raised by means of pumps having a capacity of 1,500,000 gallons per 10 hours. The water is raised to the top of Strawberry Hill, the highest point in the park and having an elevation of 500 ft. above sea level, whence it is distributed to Stow Lake and the various other Lakes, which act as storage tanks, as well as objects of beauty in the landscape.

In addition to the pumping station, considerable of the water supply is obtained from two large Dutch windmills, erected about 100 yds. from the ocean line at a cost of $12,000 and $20,000 each. Both are supplied with heavy sets of pumps, each with a capacity of 15,000 and 75,000 gallons per hour, in a 15 knot breeze. The arms on these mills are each over 100 ft. long, and may be seen for 15 miles out at sea. These windmills, on account of the trade winds which blow continuously here all Summer long, average 6,000,000 gallons of water per week, and force it a distance of 3 miles to one of the lakes, at an elevation of 350 ft.

The park has, for the last twenty-two years, been under the supervision of John McLaren, and all credit is due him for the masterly way in which he has handled this great problem of park construction, under adverse conditions transforming a barren waste of drifting sand to one of the most beautiful parks in the world, a living monument for all time. M.

An Important Form of Begonia Incarnata

Begonia Incarnata—Improved Form

The genus Begonia has a large number of species and varieties, and many of them make fine specimen plants. There are just a few kinds handled by commercial plant growers. Begonia Gloire de Lorraine is the principal one grown for Christmas. There is no doubt that it is the greatest acquisition that has come to the trade and private gardeners in the last three decades. It has been said, by good authority, that Begonia Gloire de Lorraine and Asparagus Sprengeri have brought more money to the florists than any two plants that have been introduced in the past twenty-five years. Begonia Gloire de Lorraine has some drawbacks; one of the worst is that it drops its flowers badly when it is brought into the dwelling house. There are many still who are not successful in its propagation, and it is rather fussy in its younger stages.

I wish to call the florists' attention to a Begonia that is sure to give satisfaction. It is easy to handle, easy to propagate, and I think it will make an excellent Easter trade plant. The Begonia I refer to is Begonia incarnata (improved form). This Begonia was raised by Charles Sander, gardener for Professor Sargent, Brookline, Mass. As far as I know it is a seedling from Begonia incarnata. Mr. Sander is a lover of Begonias and has many forms and varieties, but I think this form of B. incarnata is the best thing he ever raised, although he has many other things which are very promising.

The plant from which the photograph was taken was one of two dozen exhibited by Daniel White, gardener to Winthrop Ames, North Easton, at the Mass. Hort. Soc. Midwinter exhibition. The plant was about one year old, started from a cutting and grown along during the Summer, stopping the shoots occasionally to make it more bushy. A good porous loam with a little well rotted cow manure and leaf mould suits its requirements. A temperature of 50° to 55° in Winter suits it well. It can be brought into flower about Easter. It has a pleasing color of a light pink shade, and I have no doubt that when the plant is better known it will be largely grown by florists. ROBERT CAMERON.

LILACS

The largest handler of good cut Lilacs in this country

QUALITY THE BEST GROWN

I will have a large stock for Easter

Orders will be filled in rotation.

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PEONIES

	Strong Div. Per 100
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Alba sulphurea	$10.00
Duc de Wellington	15.00
Duchesse de Nemours	20.00
Festiva	8.00
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Achille	6.00
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Coquelicot. Bright scarlet.
Champs Elysees. Crimson.
Eclaireur. Rosy magenta.
Lothaire. Rosé.
Richard Wallace. White, with red eye.
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Price: $3.00 per 100., $25.00 per 1000.

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Florentina. White.
Spectabilis. Blue.
Aurea. Yellow.
Gracchus. Yellow and red.

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We guarantee all of the above stock to be true to name and in the best possible condition

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A Few Good Things You Want

BEGONIA Rex, 2-in., $5.00 per 100.
ASPARAGUS plumosus, 2-in. $3.00 per 100; 3-in., $6.00 per 100. Cut sprays, 25c. per bunch.
ASPARAGUS Sprengeri, 3-in., $5.00 per 100.
GERANIUMS, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $6.00 per 100. Mme. Sallerol, 2-in., $3.00 per 100.
FERNS. Whitmani, 4-in., 25c. each. Boston, 4-in., 15c. each; 5-in., 25c. each.
CYCAS PALMS, 4 to 6 leaves, $1.00, $1.50 and $2.00.
VINCA Var., 2-in., $2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

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PETUNIA DOUBLE

10 kinds, 2 in., 2c.

Snapdragon, White and Scarlet, 2 in., $2.00 per 100.
Smilax, 2-in., $1.25 per 100.
Abutilons, 3 kinds, 2-in., 2½c.

PRIMULA

Primula Obconica, 4-in. in bloom, 8c.
Cuphea, 2-in., 1½c.
Poinsettia, stock plants, 5c.
Geraniums, Nutt, Castellane, Buchner, Grant, etc., 2-in., $2.00 per 100.
Coleus, 10 kinds, Ageratum, 3 kinds; 2-in., $1.50 per 100.
Rooted Cuttings, prepaid per 100. Heliotrope, $1.00; Fuchsia, 8 kinds, $1.00; Paris Daisy, yellow, white, $1.00; Cuphea, 75c. Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, 3 kinds, 60c.; Ageratum, 3 kinds, 60c.; Swainsona alba, $1.00; Dbl. Petunias, 10 kinds, $1.00.
Flowering Begonia, 8 kinds, $1.25; Salvia, 90c. Cash with order.

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Boston and Scottii Ferns. 6 in., $6.00 per doz.
Extra Large Bostons. 7 in., $12.00 per doz.

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Extra strong, healthy, bushy, full grown, 2¼ in. stock, guaranteed to please; in assortment of 12 best varieties, $3.00 per 100, $25.00 per 1000.
250 at 1000 rate.
Adiantum Cuneatum and Gracillimum, 2¼ in., $3.50 per 100, $30.00 per 1000.

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King of Ferns: Handsomest, most valuable plant for all decorative purposes; no plant more profitable to both grower and retailer; young stock for growing on, ready for delivery during March, April and May. Largest stock, best prices. Orders booked now.
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Scholzeli Fern

The best payer and most prolific Fern to date. 2¼-in. $7.00 per 100.

	Per 100
Superbissima, 2¼-in.	$7.00
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WHITMANI, 2½-in., $5.00 per 100; $40.00 per 1000.
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Full grown plants from 2¼-in. pots, $3.00 per 100; 3-in., $6.00 per 100; 4-in., $12.00 per 100.

Asparagus P. Nanus 3-in. pots, $6.00 per 100.

Cocos and Kentias For Centers, 2¼-in. $10.00 per 100; 3-in., 15c. each.

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FERNS FERNS

Assorted Ferns for Jardinieres, in 6 to 8 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $25.00 per 1000.
ASPARAGUS Plumosus Nanus, fine for planting out, 2¼-in. at $3.00 per 100, or $25.00 per 1000.
FERN SEEDLINGS, from flat, in 10 best varieties, ready June 1.

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Your Money is well spent when you advertise in

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Stella Gurney, from 2¼-in., $2.00 per 100. After March 20: SALVIA Seedlings, strong, transplanted, Bonfire and Ball of Fire, $1.00 per 100, $8.00 per 1000.
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Dwarf hybrid, large flowering, finest shades and colors, strong, stocky plants, 3-in., $3.50 per 100; 4-in., ready for shift, $5.00 per 100.

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DRACAENA SANDERI, 3-in., 25c.

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Store, 2729 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.

Headquarters for
Japanese Plants and Bulbs, Choice Roses Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.
Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.

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PETUNIAS, Dreer's Superb, double fringed; the best selected large-flowering doubles, finely fringed, mixed colors, $1.00 per 100, $9.00 per 1000.
FUCHSIAS, finest double, dwarf habit, $1.00 per 100, $8.00 per 1000.
HELIOTROPE, dark, good stock, 75c. per 100, $6.00 per 1000.
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ASPARAGUS PLUMOSUS

From 2¼-inch pots, $2.50 per 100, $22.50 per 1000.

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There are none better than Little Beauty, Lord Byron, Renan and White Beauty. Strong 2½-in. pots ready, $4.00 per 100. New Heliotrope, Miss Bernice, a sport of Mad. Bruant and a great improvement on the latter 2½-in. pots, $8.00 per 100. Katalog for the asking

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JOSH BILLINGS SAYS: "There is two thin the crow that is in him and the spurs that crow with."

I am still crowing and have the stock up. My stock of **Cattleyas Schroederae** an **Wardianum** and **Nobile, Phalaenopsis Ama** the finest that come to this city. Also **Cattley** and **Gigas** in a few weeks.

I handle the finest **Lily of the Valley Daisies, Gardenias, Lilies, Sweet Peas,**

I cheerfully refer to my consignors an

I can handle more good first class **C** to advantage.

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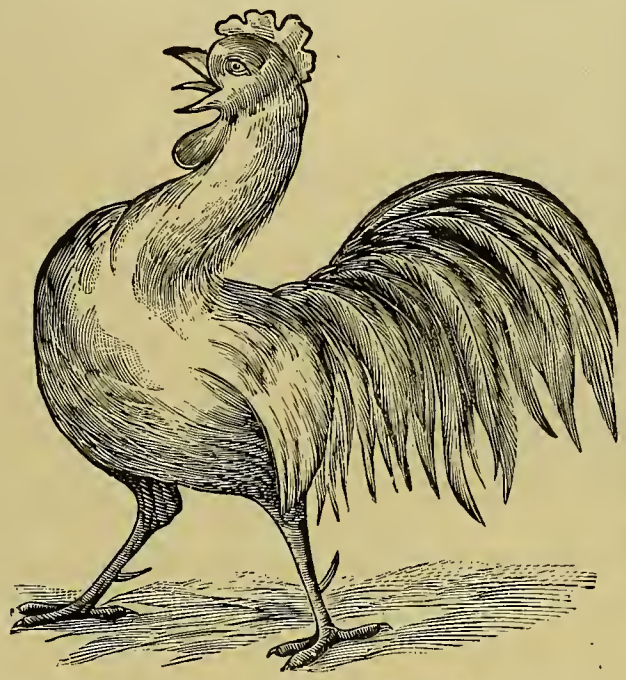
are on him to back up the



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chids, Gardenias, Roses and **Carnations**

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An Easter Basket of Deutzia Gracilis
By The Rosary Flower Co., New York.

Transportation of Flowers

A paper read by H. E. Philpott of Winnipeg, Can., at the twelfth annual convention of the Canadian Horticultural Association, in Toronto, Nov. 11, 1909.

The subject upon which I have been asked to read you a paper at this convention is a very important one, and one which embraces so much that I feel it is impossible to dwell long on its several parts.

There are also many theories as to the best way of growing, handling and packing both plants and cut flowers.

However, I will tell you some of my actual experience, both in growing and in receiving through the express companies from wholesale houses, with short and long distances of travel. Having been around with the wholesale growers, both in Canada and the United States, a great deal during the last few years, I feel I can at least say something which may arouse interest and a helpful discussion.

The express companies will also come in for a few remarks from me later on.

Packing Plants for Shipment

First, then we will take up the subject of packing plants for shipment. All will admit that it is a very important one, for no matter how fine and nice the plants are before shipment, if improperly packed, or if they are handled carelessly by the express companies, so that they arrive at their destination in poor condition, dissatisfaction is sure to follow. Therefore we have not only to consider the condition of the plants when shipped, but also the condition of them on arrival at destination.

There are a number of things to be considered in every stage of the proceedings. First see that the plants are in perfect condition for shipping, that is, thoroughly hardened or finished to stand the trip. If to be shipped without pots, the plants should be well rooted through, so that the roots may hold the ball of earth intact. Above all, see that the plants are thoroughly watered before packing.

The plants being in good condition, the question of shipping with or without pots must be decided, and this will depend upon the requirements of the customer, as well as the needs and nature of the plants. Palms and other plants not having fibrous roots to hold the soil, should be shipped in pots, some support being necessary to keep the soil from crumbling. The Neponset or paper pots are excellent for this purpose, being light, not subject to breakage, also packing closer in the crate. Packing wrapper or sacking, firmly tied around, is often used instead of pots, and answers the purpose.

In this connection I might say that plants are usually packed without pots unless specially agreed upon, and in the latter case a small additional charge is generally made, to cover extra expense of crates and packing, as plants in pots require much more room and care; it also adds considerably to the expense of shipping, owing to increased weight.

Preparing Plants for Crating or Boxing

The above conditions being settled satisfactorily, the next step is to prepare the plants for crating or boxing. This will depend to a great extent upon the season of the year and the class of plants. Such plants as table Ferns, Asparagus, small Roses, Chrysanthemums, Geraniums, bedding plants, and plants of like nature, should be knocked out of the pots, a little of the top soil removed, and each plant wrapped in a small piece of paper, with the top open in mild weather, and with larger papers and the top closed in colder weather.

In long distance shipments a little damp moss should be placed around the root of each plant.

Larger plants, such as Boston Ferns, Araucarias, Ficus, Palms and flowering plants, should first have paper wrapped around the ball of soil, or pot, and then a larger piece of paper, covering the entire plant and coming high enough to prevent the tops from being bruised in transit. In the case of flowering plants, and plants with tender foliage, tissue paper should be used inside the newspaper or other heavier paper, to prevent bruising.

Boxes and Crates

The plants being wrapped and collected, the next thing to be considered is the boxes or crates to be used in packing. Crates as light as possible, consistent with strength and safety, should be selected and well nailed.

Experience has taught us that as a rule plants travel better, arrive in better condition and give more satisfaction when packed upright in light, strong crates, with plenty of ventilation in Summer or in mild weather. In cold weather boxes should be used instead of crates, and should be well lined with paper. In extremely cold weather, sheet wadding also should be used to keep out the cold.

In every instance the plants should be securely cleated, to hold them in place in the crates, should they be accidentally or carelessly tipped over while being handled in transit.

There may be some objections to the packing of plants upright, on the ground of extra expense of packing and transportation, but I believe that in ninety-nine out of every hundred cases the better condition of plants and consequently greater satisfaction, will more than make up for the additional expense.

I would strongly urge that no boxes or crates weigh more than 150 pounds, as they can be handled by the express company much more easily. This would then prevent the danger of their being tilted on end, and in some cases turned upside down.

If, however, it seems desirable to pack small plants of Carnations, Roses, Chrysanthemums, and other stock, lying down, then comparatively small boxes should be selected, and plenty of excelsior used in the bottom and between the layers of plants to prevent heating and bruising of the foliage.

The crates or boxes should always be well cleated over the top, to secure a low freight rate and the special plant rate of twenty per cent. less than regular merchandise rate by express, which is allowed only when plants are well crated or boxed.

Crates or boxes should be plainly marked on top with the name and address of the consignee; also marked, "This side up with care," "Live plants, perishable," "Keep from extreme heat and cold." Also in express shipments there should be a notice calling the attention of the express agent to the classification, and to the fact that the shipment should be billed at 20 per cent. less than regular merchandise rate.

In this paper I have treated the subject in a general way, and taken up points that are of importance to both consignor and consignee. There are, however, special kinds and sizes of plants that require special packing and handling, and they must be treated accordingly, but I cannot enter into details here.

One thing I have always been interested in and have found of great benefit, and that is to watch the various shipments unpacked at the conventions and exhibitions, and profit by adopting their good points and avoiding their mistakes.

This one rules always applies: Pack lightly but securely, with plenty of ventilation in warm weather, and secure from frost in cold weather.

Cut Flowers

Now as to cut flowers. In the first place, I shall dwell mostly on the Carnation, as that is the flower chiefly affecting the Canadian florist. Carnations should be propagated from clean, healthy stock. I prefer stock grown outside during the Summer; these should be properly and carefully handled, to keep them free from disease at all times. After they are put in the houses, which is generally done during the months of July and August, they should not be allowed to come into bloom until the last part of September or the first part of October. This should be done by carefully pinching back any shoots that are showing buds too early. Care must now be taken to have the bloom in the proper stage of development when cut, so that it will arrive at its destination in the best of condition.

Carnations for Shipping

It is not a hard matter to arrive at a decision as to how Carnations should be cut and handled during the early part of the season, or until the middle of November or the first part of December, when the plants have been given practically no feeding at all, but the hardest time of the year to ship Carnations and have them reach their destination in perfect condition, is from Dec. 1 to March 1, and again in the Spring when the weather gets extremely warm and the plants make a quick, soft growth. Therefore we will take into consideration the proper way to handle Carnations through the middle of Winter.

In the first place, the plants should never be given an uneven temperature at night, but the temperature should be kept at 48 to 54 degrees, according to the variety. Feed sparingly, but often, rather than give a heavy feed occasionally. In feeding, use only well-rotted cow manure or pulverized sheep manure, as I prefer these to commercial fertilizers. Keep the plants in a steady growth, but do not cause a soft growth to be made from overfeeding or high temperature, giving as much air as possible during the day. It may be necessary to keep the steam circulating through the pipes to keep up the temperature, so as to allow the ventilation to be open to give the plants as much fresh air as possible, especially on bright, sunny days.

When the bloom reaches the proper stage of development, which is not quite fully developed, it should be cut with a sharp knife between the joints.

As soon as one or two hundreds are cut, they should be immediately taken to the packing shed, where they should be placed in water. Have the stems in from 12 to 18 inches of water, if possible. A cold cellar for storing Carnations, where the temperature is about 45 degrees, is best.

Never crowd too many Carnations into one jar, but give them plenty of room to absorb as much water as possible before shipping.

From three to five hours I consider would be long enough for Carnations to remain in the water before packing them, according to the distance they would have to travel. In cases where they are shipped 1000 miles, requiring 40 hours to make the trip, flowers would be best in water from four to six hours before shipping.

Use strong wooden boxes for packing them in, lined with paper inside.

Now as to packing. There are a variety of ways, some packing flat with wet paper over each layer of stems, others in bunches of twenty-five with a piece of ice laid on paper on the stems; others, again, with no wet paper or ice. I have unpacked thousands of each, and noted results of each way.

I prefer them laid flat with the stems in the center of the box, and wet paper across each layer until the box is full. By wet paper, I do not mean a piece of paper simply put in water and taken out again, but one that is soaked through and through.

Then place two cleats across the stems and nail them down securely, so they cannot shift. The box is now ready for the lid. I prefer the box covered with paper, thus making it as air-tight as possible.

The Carnation is the same as everything else; it will only stand so much mistreatment, and the nearer you can keep it to Nature the better results we shall have; the better we grow the Carnation the more popular it will become and the sooner it will pave the way to be one of our national flowers.

Roses, Sweet Peas and Violets

I do not propose to say much about the care of Roses, the cutting and packing being practically the same as for Carnations, except that in long distances a piece of ice is preferred.

As regards the packing of Sweet Peas, as soon as they are cut, place them in water for two or three hours in a cold room, at about 50 degrees; then pack them with wax paper and no ice. Place a sheet of wax paper between every row of bunches. Use flat boxes and only one layer in each box. Sweet Peas handled in this way can be shipped 1000 miles and more with good results.

In warm weather keep them as dry as possible and if they get soft in transit it will not hurt them if they are put in water, and placed in an ice-box as soon as unpacked.

The same also will apply to Violets, with the addition of wet paper around the stems.

Improvement in Express Service

I feel I cannot close this paper without reference to the necessity for better equipment for transit, and perhaps more care in handling while en route.

Express cars are not properly equipped for handling flowers, especially those on through trains, such as "Toronto and Winnipeg." In the first place, cars are loaded full and it is necessary for messengers to shift flowers from one part of the car to another, when sorting express matter for the many routes throughout the west. It is impossible to maintain one temperature, or nearly so, as required for safety in handling these shipments during cold weather, unless properly protected.

The only way flowers can be handled with satisfaction under such circumstances would be when special compartments are built for them in through cars, about six feet from the side door, in the fore part of the car (this need not be a fixture), and when placed in this compartment they could be kept at almost one temperature and not subjected to draft as at present, while messengers are working local stations.

English Ivy

4 inch pots, 3 feet high,
15 cents each

Farfugiums

4 inch pots, good stock
15 cents each

Pelargoniums

15 varieties
our selection, from 4-inch pots
$15.00 per 100

Chrysanthemums

Rooted Cuttings

Bonnaffon, Estella, Helen Frick, Honesty, Dr. Enguehard, Wm. Duckham, Mrs. Weeks, Golden Wedding, Yanoma.

$1.00 per 100. Cash with order, or will exchange for Rose stock.

The Newburys

MITCHELL, SOUTH DAKOTA

Please mention the Exchange when writing.

DRACAENA INDIVISA

4-inch, $10.00 per 100.

PRIMULA Obconica, 2-in., $1.50 per 100; 3-in., $4.00 per 100; 4-in., $6.00 per 100.
GERANIUM, Ricard, 2-in., $2.00 per 100.
FICUS Elastica, 5-in., $30.00 per 100.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100. Plumosus, 2-in., $2.00 per 100.
ENGLISH IVY, R. C., 75c. per 100; var. R. C., 75c. per 100.
FERNS, Scottii, 2½-in., $5.00 per 100; 3-in., $10.00 per 100; 4-in., $15.00 per 100; 5-in., $20.00 per 100; 6-in., $35.00 per 100.
FERNS, Boston, 3-in., $5.00 per 100; 4-in., $15.00 per 100.

J. H. DANN & SON

Westfield, N. Y.

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids.

The strain which I offer is unsurpassable. (August Seedlings); twice transplanted from flats, in five colors including fringed varieties, $3.00 per 100, $25.00 per 1000; from 2½-in. pots, $5.00 per 100, $45.00 per 1000.

GERANIUMS

Standard varieties, strong well grown plants, from 2¼-in. pots, $2.50 per 100, $22.00 per 1000.

CANNAS

Alphonse Bouvier, Duke of Marlborough, Chas. Henderson, Chicago, Papa Nardy, strong tubers, 2-3 eyes, $15.00 per 1000.

PAUL MADER, East Stroudsburg, Pa.

Please mention the Exchange when writing.

DECORATION DAY ROSES

The right time to buy Roses is when they are fresh and well ripened. Roses potted up in the Winter become better established and force better, and are more satisfactory in every way, and you can retard or force them at your leisure.

Rose, Frau Karl Druschki

Hardy Hybrid Roses

We offer extra-strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name:

Price, 75c. for 5 (of one variety), $12.00 per 100, $110.00 per 1,000 (immediate delivery)

Abel Carriere. Crimson.
Alfred Colomb. Carmine-crimson.
Anne de Diesbach. Bright carmine.
Ball of Snow (Boule de Neige). Pure white.
Baron de Bonstetten. Blackish crimson.
Baroness Rothschild. Satiny pink.
Capt. Christy. Flesh color.
Clio. Satin blush.
Duke of Connaught. Rosy crimson.
Duke of Edinburgh. Bright vermilion.
Eugene Verdier. Crimson-violet.
Fisher Holmes. Dark crimson.
Frau Karl Druschki. The finest white.
Gloire de Margottin. Dazzling red.
Gen. Jacqueminot. Brilliant crimson.
John Hopper. Bright rose.
La France. Pink.
Mme. Charles Wood. Bright carmine.
Margaret Dickson. White, with pale flesh.
Marshall P. Wilder. Cherry-rose.
Magna Charta. Dark pink.
Mme. Gabriel Luizet. Satiny pink.
Mrs. John Laing. Satiny pink.
Paul Neyron. Dark pink.
Perle des Blanches. White.
Persian Yellow. Yellow.
Prince Camille de Rohan. Dark crimson.
Ulrich Brunner. Cherry-red.

For prices see above

Baby Rambler Roses

BABY DOROTHY. The same in habit as Baby Rambler, but the color of the flowers is similar to Dorothy Perkins. It makes an excellent pot plant for forcing. Price for strong, field-grown plants, **85c.** for 5, **$16.00** per 100.

CATHERINE SEIMETH. A White Baby Rambler Rose, larger and better flowers than the type. White with yellowish center. **85c.** for 5, **$15.00** per 100.

MRS. WM. H. CUTBUSH. Color intense crimson and exceptionally free-flowering. **85c.** for 5, **$15.00** per 100.

MME. NORBERT LEVAVASSEUR (Baby Rambler). Strong, field-grown plants. **85c.** for 5, **$15.00** per 100.

THE TREE BABY RAMBLER. (Grown as a Standard.) The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. **40c.** each, **$3.75** for 10, **$35.00** per 100.

BABY DOROTHY. (Grown as a Standard.) For description, see above. **75c.** each, **$6.25** for 10, **$60.00** per 100.

Something New in Roses for Florists

Half Standard Baby Ramblers

These are Baby Ramblers, grown on stems or standards about one and half feet high, and will be a novelty for your trade you cannot profitably overlook. They are offered for the first time in this country in the following varieties:

BABY DOROTHY (Half standard). Deep pink. **60c.** each, **$6.00** per doz., **$45.00** per 100.

BABY RAMBLER (Half standard). Crimson. **45c.** each, **$4.50** per doz., **$35.00** per 100.

BABY CATHERINE SEIMETH (Half standard). White. **45c.** each, **$4.50** per doz., **$35.00** per 100.

BABY "STARS and STRIPES" (Half standard). White and red grafted on the same plant; most attractive. **50c** each, **$5.00** per doz., **$40.00** per 100.

Ramblers and Other Climbing Roses

PAUL'S CARMINE PILLAR. Flowers large and free; color rosy carmine. Two-year-old, field grown. **85c.** for 5, **$15.00** per 100.

CRIMSON RAMBLER. American Grown. The only stock for forcing. Large heavy plants, two years old, mossed and packed in bundles of 10, 3 to 4 feet, **$1.25** for 10, **$12.00** per 100; 4 to 5 feet, **$1.75** for 10, **$15.00** per 100; 5 to 6 feet, extra heavy, **$2.25** for 10, **$20.00** per 100.

DOROTHY PERKINS. Lovely shell-pink color. **$1.25** for 10, **$12.00** per 100.

TAUSENDSCHON. The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. **$2.25** for 10, **$20.00** per 100.

LADY GAY. A seedling from the popular Crimson Rambler, which it resembles in habit and general effect. The flowers are of a delicate cherry-pink color, which fades to soft white. Strong plants, field-grown, 4 to 5 feet. **$1.75** for 10, **$15.00** per 100.

Flower of Fairfield — The Everblooming Crimson Rambler

This variety is a sport from the beautiful Crimson Rambler, is similar in color, more brilliant and lasting than the old favorite. It also possesses the further advantage over the Crimson Rambler in the fact that it flowers profusely on the young wood the first year. Flower of Fairfield is a vigorous grower and free bloomer. It starts to bloom early in the Spring and continues until late in the Autumn. It is rightly termed "perpetual blooming." **40c.** each, **$3.50** for 10, **$30.00** per 100.

Veilchenblau (Violet-Blue)

It has long been the desire of rosarians to secure a blue Rose. In Veilchenblau we have practically approached this color. The steel-blue flowers of this new Rose appear in large clusters, are semi-double, of medium size and keep in bloom a long time. The showy yellow stamens contrasting with the blue flower, give the whole a striking appearance. **60c.** each, **$5.75** for 10, **$55.00** per 100.

ARTHUR T. BODDINGTON

Seedsman 342 West 14th St., NEW YORK CITY, N. Y.

Please mention the Exchange when writing.

Rose Raising in Ireland

To any lover of the Rose it must be a most enjoyable experience to pay a visit to Belfast during the Summer, with a chance of inspecting the three great Rose nurseries of Messrs. Alex. Dickson & Sons, Messrs. Hugh Dickson & Sons, and Messrs. S. McGredy & Son. These three nurseries all lie within a few miles of the city of Belfast, and it was my great good fortune to be able to visit them at the end of July last. To see thousands of glorious blooms staged at the great Metropolitan exhibition of the National Rose Society is good; but to see tens of thousands of them growing in their own homes is much better, even though the season has been a bad one and the weather at the time leaves a deal to be desired.

From what I saw and heard I gather that these three firms alone grow about a million Rose plants every year. Where do they all go to? That is the mystery, especially when one remembers that there are also such places as Colchester, Chestnut, Waltham Cross, Hitchin, Oxford, etc., all producing their hundreds of thousands.

Seedling Roses

The majority of the plants that I saw were, of course, specimens of old established varieties. But when I found myself favored by fortune with the opportunity of seeing hundreds—or, rather, thousands—of glorious new seedling Roses as yet unknown to the world, many as yet not even granted the distinction of names, but merely designated by mysterious numbers, then I am afraid that, like silver in the days of Solomon, these old varieties, glorious, as they were, were "nothing accounted of in the days of" my visit. My poor brain was in such a state of bewildered ecstasy with the new gems that I had no time to devote to the older favorites.

Methods Employed

In all uptodate nurseries the raising of new varieties has now become an intricate science, requiring infinite care and patience in crossing, selecting, proving, and improving the new seedlings; and the greatest care is taken that only the very best of those raised are sent out. It is by attention to these principles that such marked success has been achieved by Messrs. Alex. Dickson & Son during the last twenty years, and by Messrs. Hugh Dickson & Sons and Mr. McGredy more recently. Here one sees nothing of the old haphazard system of collecting seed in the open air, which may have been fertilized by any passing insect with the pollen of any flower in the nursery, though this system may be still employed in countries more favored with sunshine than our own, and at times with astonishingly gratifying results.

In Ulster, all the Rose seed is carefully raised in glasshouses, close tiled against all intruders from the insect world, who might play havoc with the results during the fertilizing period. The plants of the seed parents are grown in pots or in beds in the house, and each flower at the appropriate moment is fertilized by the hand of the hybridizer with the pollen of the Rose desired for the "cross." The fertilized flower is then carefully labelled with the name of the pollen parent. In due time the seed is ripened, harvested, and sown; the seed from each hip is kept separate from others, and through all stages a careful record of its parentage is kept.

Selection of Parents

It is in the selection of parents that a successful hybridizer shows much of his skill; but even with the greatest skill he cannot hope to have more than a very small percentage of successful seedlings. Probably, on the average, out of 100 seedlings raised not more than seven or eight will, after the first flowering, be saved for further trial, and of these probably only one will ever find its way into the trade lists. The selected seedlings are subjected to a prolonged trial before being sent out. I saw many seedlings dating back as far as 1899, still being tried, still without names, and not likely to be issued to the public for several years to come. The reason for this long trial is that sometimes a Rose does not show its true form when first flowered, but by budding year by year from selected stems it may have its habits, constitution, and even form so improved that it can be issued to the public with the faults of its infancy eradicated. As an example of the value of long trial one may quote the case of Frau Karl Druschki. The true story is not quite so romantic as is sometimes supposed, but it is romantic enough. This magnificent Rose, now universally recognized as the finest of all white H.P.'s, in its first year did not flower at all. In its second year it gave a few thin blooms. In its third year it did a little better; but in its fourth year it did so well that it was placed second for the prize for the best Rose of German raising. But in the same year some plants were sent to American growers, to be tested by them. Their verdict was, "Not worth anything"; and when first seen in England the verdict was the same. Yet, in 1907, this previously despised Rose was elected for the Nickerson award as the finest Hybrid Perpetual of recent introduction. One cannot help wondering, with Mr. H. Molyneux, how many champion Roses may not have been lost to the world by the too hasty discarding of unnamed seedlings.

Propagating House of S. J. Reuter & Son, Inc., Westerly, R. I.

The propagating house of S. J. Reuter & Son Co., here shown is claimed by them to be second to none in its adaptability for rooted cuttings. By their arrangement of the benches they are able to treat each batch independently. There are thirty benches running crosswise of the house (each holding 4100 cuttings) which are so constructed as to avoid any danger of fungus. The sides are of cement and the bottom of brick. This arrangement gives them an ideal propagating house where the best of results may be obtained. They are able to regulate the bottom heat for each individual lot and to give each lot its own particular attention. This also affords the opportunity for keeping the different varieties by themselves, thereby avoiding chances for mixing. The stock on these benches can be rooted cool, keeping it in proper condition for shipping.

In the Seed House

On entering a seed house or the first time one is likely to be astonished at the miserably unhealthy appearance of the plants that are to be the parents of future possible champions. The explanation of this would probably be the necessity of keeping the house closely shut up during the fertilization period and the subsequent high temperature required for the ripening of the seeds. Then one will notice that the ripening hips are not at all like those that one occasionally sees in one's garden. They are more like good sized Crab Apples, fairly bulging with fertilized seeds; in some cases even the pips will be seen extruding through the top of the fruit for want of room within to contain them. Then, noticing the enormous number of these ripening hips, and the fact that each is labeled with the name of the pollen parent, one begins slowly to realize that one is up against a big thing, and that the raising of champion Roses is not just a bit of luck, but is the natural result of hard, steady, scientific work.

The Seedling Fields

As I walked through the fields of seedlings and saw there thousands of these unnamed gems, waiting for the selection of their best to be sent out to the world, I realized that whatever was sent out from these nurseries, at any rate, would be exceeding good. And remembering that this same process is going on in other places, in England, Germany, France, America, and elsewhere, I could not help thinking that if not another flower were fertilized for the next ten years there must be enough good things now in the nurseries to keep the Rose world with as many excellent novelties every year as it can possibly assimilate. If the N.R.S. has had trouble in the past in compiling its catalog, what will the difficulty be in the future? I fear that many an old favorite will have to go to make room for younger and more successful rivals.

Value of Preserving Fragrance Realized

It has been urged, and not without reason, that many of the good new Roses of recent years have been without scent, and in that way behind the older varieties. From my observations at these nurseries, I should confidently say that this charge will not be fairly levelled against these hybridizers in the near future. Without pretending to statistical accuracy, I should say that the majority of the seedlings that I saw were deliciously fragrant. The variety of scent was also wonderful. We have there the strong rich perfume of the dark H.P.; we have various grades of La France scent, often intensified; we have the subtly dainty odor of Augustine Guinnoisseau and of the Teas and Noisettes, and the resinous fragrance met with in Leonie Lamesch. But, in addition to these, I noted among the seedlings many varieties of scent that were, to me at least, new in the Rose. There was the fragrance of the Primrose, of the Violet, of the Cowslip, of the ripe Raspberry, of the Apricot, of the Almond, and many others. This was hardly what I expected to find in a Rose garden.

Families Raised

As far as I could see, the whole attention of these three firms has been devoted to the raising of new H.P.'s, H.T.'s and Teas; other families, such as Chinas, Rugosas, Polyantha, Pompons, Multiflora, Scandens, and Wichuraiana, do not appear as yet to have been touched by them, though we have raisers in England who are not neglecting these branches of the Rose family.—*A. H. W. in the Journal of Horticulture.*

House of Carnation Enchantress at Range of Covey & Vansant, Newport News, Va.

DREER SPECIALS IN HARDY PERENNIALS

Japanese Anemone.

ANEMONE JAPONICA. Many thousands of well-established pot plants.
Japonica Alba. Large snowy white. Doz. 85c., 100 $6.00.
Japonica Rubra. Beautiful rosy red. Doz. 85c., 100 $6.00.
Elegantissima. Semi-double satiny-rose. Doz. $1.25, 100 $8.00.
Prince Henry. Large double, deep pink. Doz. $1.25, 100 $8.00.
Queen Charlotte. Very large silvery pink. Doz. 85c., 100 $6.00.
Rosea Superba. Delicate silvery rose. Doz. 85c., 100 $6.00.
Whirlwind. Large semi-double, pure white. Doz. 85c., 100 $6.00.

ACHILLEA, BOULE DE NEIGE. A decided improvement over "The Pearl," with flowers one-half larger; a valuable cut flower. Doz. 2.00, 100 $15.00.

ANCHUSA ITALICA, DROPMORE VARIETY (Improved Italian Alkaner). One of the showiest and most useful plants for the mixed border or for planting between shrubbery that we know of; the plant grows from 5 to 6 feet high, producing throughout the season large but graceful spikes of beautiful blue flowers. Doz. $1.50, 100 $10.00.

AQUILEGIAS. A splendid stock of the popular Columbines. All the leading varieties in strong plants. Doz. 85c., 100 $6.00.

ARTEMISIA LACTIFLORA. A new plant, an introduction from China, grows 3 to 4 ft. high, with elegant dark green cut foliage and large spikes of graceful, creamy white, Spiræa-like, light and graceful flowers. Strong plants 30c. each, doz. $3.

HARDY ASTER GRANDIFLORUS. The latest of all to bloom, frequently being in good condition as late as Thanksgiving Day; flowers large, of a dark bluish violet; always attracts attention in our grounds, being the last plant in flower. Strong plants $2.00 per doz., 100 $15.00.

ASTILBE ARENDSI, CERES AND SILVER WHITE. These are the result of crossings between Astilbe Davidii, Japonica compacta, Astilboides and Thunbergii. They are of strong, robust habit, growing from 2½ to 3 ft. high, in much branched panicles; the former with light rose colored flowers, the latter with silvery white flowers. Excellent subject for a semi-shaded moist position. Each 50c., doz. $5.00.

ASTILBE GRANDIS. An introduction from China, growing from 5 to 6 ft. high; the panicles of white flowers range from 2 to 2½ ft. in length. Each 35c., doz. $3.50.

DELPHINIUM BELLADONNA. The freest flowering of all the Delphiniums and the most valuable of any variety for cutting, its beautiful turquoise-blue flowers appeal to all who see it. Plant these early and you will have a continuous display of bloom from June until freezing weather. We offer an exceptionally fine lot of extra heavy one-year-old plants. Doz. $2.00, 100 $16.00, 1000 $125.00.

DELPHINIUM, DREER'S GOLD MEDAL HYBRIDS. Unquestionably the finest strain of mixed hybrids ever offered, being seedlings of one of the best named collections and containing some wonderful varieties. Strong one-year-old plants. Doz. $1.25, 100 $8.00, 1000 $75.00.

DELPHINIUM FORMOSUM. A splendid strain of this favorite and popular dark blue variety. Doz. 85c., 100 $6.00, 1000 $50.00.

GYPSOPHILA PANICULATA FLORE PLENA. We consider this one of the most valuable Summer cut flowers we have, a plant which is destined to become a most important subject for cutting. Strong plants, doz. $2.00, 100 $15.00.

HELENIUM, RIVERTON GEM AND RIVERTON BEAUTY. Two splendid perennials of our own originating, the former having flowers of old gold color suffused with terra cotta, changing as they mature to a wall flower red; the latter a pure lemon color with a large disc of purplish black. Doz. $1.50, 100 $10.00.

HEMEROCALIS AURANTIACA, AURANTIACA MAJOR AND FLORHAM. These are the three handsomest forms of the Day Lily, with very large trumpet-shaped yellow flowers. Doz. $1.50, 100 $10.00.

HEUCHERA, FIVE NEW VARIETIES.
Fantasie. Sulphur yellow, tinted green; tips of petals bronzy red.
Grenade. Bright red, tinted carmine; very vigorous.
Pluie de Feu. Bright raspberry-red; very free.
Profusion. Ivory white.
Virginal. Large creamy white.
Each 35c., doz. $3.50.

NEW IRIS GERMANICA.

King of Iris. A striking novelty, with flowers of perfect form; the standards clear lemon yellow, while the falls, which are very large, are a deep satiny brown, with a broad border of golden yellow. Ea. 50c.
Lohengrin. One of the strongest growers yet introduced, both foliage and flowers being of gigantic size, the flowers being nearly 5 in. deep, with petals 2 in. wide, and of that beautiful pink color peculiar to the Cattleya. Each 75 cents.
Nibelungen. Flowers as large as the preceding; standards olive green suffused with sulphur yellow; falls deep violet purple suffused with creamy white on the edges. Each 75c.
Princess Victoria Louise. Standards pure sulphur yellow; falls rich plum color with cream colored edges. An entirely new and distinct combination of colors. Each 75 cents.
Rhein Nixe. Standards pure white, falls deep violet blue with white margin; will attain a height of 3 ft., with many branched stems. Very free flowering. Each 50 cents.
The collection of 5 varieties for $2.25.

IRIS INTERREGNA.

(Introductions of Goos & Koenemann)
An interesting new type of Iris, the result of crossing Iris Germanica with I. Pumila Hybrida, and for which there promises to be a great future. They flower earlier in the season than the German Iris, and while the flowers are of the most approved and perfect form, they also combine large size with the most beautiful and decided clear colors. The foliage is dwarf and healthy, holding its freshness throughout the season; the flower stems which are about 18 inches high, hold the flowers well above the foliage.
Halfdan. The entire flower is of a pure creamy yellow, of absolutely perfect form.
Helge. Light citron yellow with pearl colored center, a beautiful soft color.
Ingeborg. Both standards and falls are pure white; the flowers are 5 in. deep and have petals 2 in. wide; a grand perfect flower.
Walhalla. Standards rosy lavender, falls claret red; a most distinct and beautifully formed flower.
Price: Each 50c., doz. $5.00; the set of 4 varieties for $1.75.

Gypsophila paniculata fl. pl.

IRIS PUMILA HYBRIDA, THE BRIDE. This is without question the prettiest dwarf white Iris yet introduced. The flowers which are of ideal form, on first opening are of a creamy white color, changing to pure white as they mature. They are produced on stems from 10 to 12 in. high, which appear in great profusion early in May. Each 25c., doz. $2.50, 100 $18.00.

TWO HANDSOME NEW LUPINUS

Polyphyllus Moerheimi. The most beautiful variety yet introduced; a combination of light and dark shades of pink difficult to describe and without a trace of magenta. Each 35c., doz. $3.50, 100 $26.00.
Polyphyllus Roseus. A decided improvement on the old variety, immense spikes of showy rosy pink flowers; a desirable acquisition. Each 20c., doz. $2.00, 100 $15.00.

PHLOX DIVARICATA LAPHAMI (Perry's Variety). A wonderfully improved form of the popular Phlox Divaricata, of more robust habit, larger flowers and of a more intense color. Doz. $1.50, 100 $10.00.

Lupinus Polyphyllus.

THREE FINE NEW HARDY PHLOX

Selected from a collection of over fifty new varieties of the past two seasons; distinct from all other sorts.

Elizabeth Campbell. Bright salmon-pink with lighter shadings and dark crimson eye; an entirely new and much wanted shade in Phlox.
Frau Anton Buchner. The finest white yet introduced, largest truss as well as individual flower; of dwarf habit.
Rosenberg. Bright reddish violet with blood-red eye; individual flower as large as a silver dollar.
Each 35c., doz. $4.00; one each of the 3 varieties for $1.00.

PRIMULA CORTUSOIDES SIEBOLDI. This Japanese Primrose is not so well known as it deserves, it is not only valuable for the hardy border but will also find ready sale as a pot plant for the window. We offer six distinct varieties, varying from the purest white to deepest rose. Doz. $1.50, 100 $10.00.

RUDBECKIA, RAYS OF GOLD. An improved form of the popular Golden Glow with which it is identical, excepting that it has narrower petals and a fuller center, it is really a refined form of the old variety. Doz. $1.00, 100 $7.00.

Anchusa Italica, Dropmore Variety.

PYRETHRUM HYBRIDUM FLORE PLENA. A fine lot of strong plants in 5-in. pots. Double white, pink and crimson. Doz. $2.50, 100 $18.00.
Choice mixed seedlings, 3-in. pots, doz. $1.00, 100 $7.00.

SEDUM SPECTABILIS, BRILLIANT. Originated with us as a sport from the variety atropurpurea, and is by far the richest colored variety yet introduced, being a bright shade of amaranth-red or dark crimson. Strong plants, doz. $1.50, 100 $10.00.

STOKESIA CYANEA, BLUE AND WHITE. Strong pot grown plants, 4-in. pots. Doz. 85c., 100 $6.00.

SWEET WILLIAM, SUTTON'S GIANT WHITE. Immense trusses of large pure white flowers; splendid for cutting; strong 4-in. pots. Doz. 85c., 100 $6.00.

TRITOMA PFITZERI. A splendid lot of strong plants. Doz. $1.25, 100 $8.00, 1000 $75.00.

SIX CHOICE NEW TROLLIUS.
Guldquelle. Large globular golden yellow.
Gotterfunke. Large, open orange yellow flowers.
Helios. Very free flowering, pure yellow, on strong-branched stems.
Leuchtkugel. One of the finest deep orange reds.
Lichtball. Large, globular orange-yellow flowers on stiff stems.
Salamander. Soft orange colored flowers of globular form.
Ea. 25c., doz. $2.50; the set of six for $1.25.

Pyrethrum Hybridum Single

Pyrethrum Hybridum Single

For the most complete list of Hardy Perennial Plants offered in America, see our current wholesale list

HENRY A. DREER Inc., 714 Chestnut St., Philadelphia

The above prices are for the trade only

Packing Plants for Shipment

The continued growth of the plant industry, and the fact that plants in bloom are becoming more popular each year, has led us to believe that an illustrated article, describing how plants are packed for shipment, would be of interest to our readers, whose business is such that packing must be resorted to.

Fig. 1—Plant Packed Ready for Crating

Fast trains, carrying express packages and boxes, have made it possible for growers to extend their field over an immense range of country, as a visit to some of the larger wholesale plant growers will show. Plants in bloom are now successfully shipped in the coldest of weather, and this through the good use of common sense packing methods, watching the railroad timetables for best connections, and seeing to it that plants are in proper condition before wrapping.

The accompanying illustrations will give a good idea of the methods pursued by one of our prominent Eastern plant growers, which firm has built its reputation on its good packing methods, thereby insuring the safe arrival of plants, which when received are in perfect condition for immediate sale.

The first precaution to be taken before starting to wrap the plants is to be careful to see to it that they have plenty of moisture at the roots. If there is one thing worse than another, it is when a lot of fine plants have arrived at a customer's store dry, and with the blossoms ready to fall off. The first impressions received under such conditions are poor, and have often been the means of losing future orders.

Azaleas, Hydrangeas, Spiræas and other water loving plants should be particularly seen to that each plant gets enough water, so that the moisture reaches to bottom of the pot, a teaspoonful of water on the top of soil is of no good, better not any. As the appearances are deceitful, each grower or retailer should look all plants over or have competent help do so, as soon as plants have been picked out for shipment.

Several of the large shippers have every outgoing pot scrubbed clean, and while this entails quite a little labor, the advantage to the store man is apparent, as plants can be handled to greater advantage by all concerned if the pots are free from the green scum which usually gathers on them during the season of plant development.

Our first picture (Fig. 1) shows plant wrapped ready to pack. Lilies should have the buds and flowers secured firmly with tissue paper, in such a manner as to prevent them from bruising each other. All plants should have a stake which at least reaches to the flowers; this saves crushing and also supports the flower stem. After securing the blooms in tissue paper, the entire plant and pot is then wrapped in several thicknesses of newspaper which is tied above the flower, and around the pot, taking care not to catch the flower and bruise it by tying too low or too tight.

Where large shipping orders are handled, boxes are prepared well in advance of time wanted. These average 4 ft. long, 2 ft. wide, 8 ins. deep, and are nailed together quite substantially, an extra cleat being used in each corner of the box to strengthen it.

Fig. 2 shows a box lined ready to receive plants. This is accomplished by having sheets of corrugated paper cut the proper length, one each for the bottom, sides and ends. These are placed in the box in such a manner that no air can get between the sheets, being quite a bit larger than the box so that when in position they overlap each other. Several thicknesses of newspaper are then placed around the inside of the box, leaving enough hanging over the sides to cover the tops of plants when in box. Excelsior is then used. This should be secured by the bale and, a few days before needed, watered a little, shaken apart and placed in a large box or bin until wanted. This operation can be done by boys, and it will be found of service to have a stock on hand ready for immediate use.

Place some excelsior (sometimes called sauerkraut) in the box already lined, have a good wad of it tight to end of box, and pack in your first row of plants, all of which, of course, have been previously wrapped. More excelsior and more plants, and so on until box is filled, making sure that each pot is packed solid before putting in the next, with sufficient excelsior between each to keep them from jarring against each other. If there are not plants enough to fill the box, pack the intervening space with the packing material solidly and, as it is light, an extra handful used in the right place has often saved the whole crate of plants from breakage.

Fig. 3 shows the plants already tied, after several handfuls of excelsior had been packed between the tops of plants, which prevents them from knocking against each other, or from getting broken by any sudden jarring the crate may be subjected to. The top of plants is secured by a covering of several thicknesses of newspaper, over which is placed another sheet of corrugated paper, which is overlapping the sheets used to line the box. The crate is then ready for cleating; this is done with cleating lumber secured from the lumber yards, 12 to 16 feet long, 4 inches wide and ½ inch thick, cut up into varying lengths, usually 3, 4 and 5 ft. long, and which can be suited to the height of plants to be shipped.

Fig. 3—Assembling the Plants in Crate

Fig. 2—Box Lined Ready to Receive Plants

All should be nailed securely together as shown in Fig. 4, and after the label (with correct address written in large letters and in ink) has been tacked on in a conspicuous place the finished article is ready for its journey.

It is seldom that plants are stood pot on pot, as it has been shown in many instances that this method is ruinous because the plants cannot be secured from the jostling which they receive after leaving the shipper's hands.

Above all, remember when shipping, that a day ahead is better than a day too late, especially when the express companies are so rushed during the holiday season.

A. H. S.

Novelties from Rivoire & Son, Lyons, France

We note the following novelties for 1910 from the special catalog of Rivoire & Son:

Dwarf Geranium "PETITE AIMEE" (Little Love), a sport from Geranium "Petit Henri" (Little Henry), the popular French dwarf Geranium for borders and small baskets. Little Love is of the same habit as the parent plant, both as to height and in the size of its flowers, the latter differ merely in color, which is a delicate pink, instead of bright pink, and each petal is rimmed with white.

Red Begonia GLOIRE DE CHATELAINE, is a variety of the pink Gloire de Chatelaine, introduced by Rivoire & Son some time ago, and which they claim to be the most popular of the many Begonias originated within recent years. The novelty they now offer is different merely in color, while preserving all the good qualities of the parent plant.

Variegated Lantana "Arlequin" (Harlequin) is particularly ornamental because of its fine foliage, in which the yellow striations are prominent. The color of the flowers is a very delicate flesh pink with a few yellow florets in the center of the cluster.

The Trailing Double red Nasturtium "Feu Follet" (Will-o'-the-Wisp) should prove a welcome acquisition for trellises, balconies, terraces, etc., because of the rarity of double Nasturtiums.

Fig. 4—Crate is Now Ready for Shipment

ORCHIDS ORCHIDS

Of all kinds, and for all purposes. The following freshly imported Orchids have arrived in good condition: Cattleya Warnerii and C. Labiata.

Due in a few days, C. Mossiæ. Others to follow in rapid succession.

WRITE FOR PRICES

LAGER & HURRELL
SUMMIT, NEW JERSEY

Please mention the Exchange when writing.

ORCHIDS

We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawrenceana, Gaskelliana, Dowiana and Percivalliana. Write to-day.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

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Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, ST. ALBANS, ENGLAND
and 235 Broadway, Room 1, New York City

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NEW CHRYSANTHEMUM

Mrs. Jane Cockburn

EARLY PINK

Ready for February and March delivery. Blooms firs week in October. Beautiful mauve pink. Good keeper and shipper.

$6.00 per 100, $50.00 per 1000

Five hundred at one thousand rate.

First come, first served

SAMUEL COCKBURN & SONS
233rd St. and Verio Ave., Woodlawn
NEW YORK CITY

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White Sport of Helen Frick

CHRYSANTHEMUM

STOCK PLANTS, $2.00 & $3.00 per doz.

CARNATION ALVINA, $5.00 per 100, $45.00 per 1000.

DELIVERY AT ONCE

HENRY EICHHOLZ, Waynesboro, Pa.

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DON'T GET LEFT

Geraniums! Geraniums!

Nutt, Doyle, Buchner, La Favorite, Grant, Brunnil and others, also Rose Geraniums, $13.00 per 1000; 500 at 1000 rates.

Coleus, Rooted Cuttings, in variety, $5.00 per 1000. Verschaffeltii, $6.00 per 1000.

Ageratum, Stella Gurney, Pauline and others, R. C., 60c.; 2¼-in. pots, $1.00 per 100. Heliotrope, all dark, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Feverfew, Little Gem, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Achyranthes Lindeni, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Pilea, Artillery Plant, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Ivy, German, 2¼-in. pots, $1.50 per 100.

Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

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ORCHIDS! ORCHIDS!

A large and attractive lot of established plants; also importations coming, which we offer at advantageous prices.

ORDONEZ BROS 41 W. 28th St. New York, also Madison, N. J.

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CHRYSANTHEMUMS

Polly Rose, Glory of the Pacific, Halliday, White and Yellow Bonnaffon, Robinson, Early Snow, Jennie Nonin.

Rooted Cuttings, $1.00 per 100; 2¼-in. pots, $2.00 per 100; $18.00 per 1000.

Bedding stock ready May 1.

E. L. RILEY, Trenton, N. J.
R. F. D. No. 2.

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Chrysanthemums

All the Standard Varieties

POMPONS and SINGLES

$2.00 per 100, $15.00 per 1000

Stock guaranteed true to name

GEO. B. HART
24 Stone St., ROCHESTER, N. Y.

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CARNATIONS

and

CHRYSANTHEMUMS

ROOTED CUTTINGS

Send for price list.

WILLIAM SWAYNE, P. O. BOX 215, Kennett Square, Pa

Please mention the Exchange when writing.

GERANIUMS ROOTED CUTTINGS

READY TO SHIP	100	1000
S. A. Nutt and La Favorite,	$1.25	$10.00
Castellane and Doyle,	1.40	12.00
Salvia, Bonfire and Splendens,	.85	7.50

Less 3% for cash with order.

Quality Guaranteed or Money Refunded.

B. F. BARR & CO., Keystone Nurseries, LANCASTER, PA.

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GERANIUMS

Ricard, Nutt, Buchner, strong, cool grown plants, from 2-in. pots, $2.00 per 100, $20.00 per 1000.

Ricard from 2½-in., $2.50 per 100. Mixed $18.00 per 1000.

QUAKER HILL NURSERIES, Oxford Depot, N. Y.

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F.E.—Best Advertising Medium

PALMS

Extra good values in Palms for Easter. Stock in perfect condition

KENTIA BELMOREANA 6 in. pots, 6 leaves, 20 to 24 in. high,		$1.00
7 in. pots, 6 to 7 leaves, 24 to 26 in. high		1.50
7 in. pots, 6 to 7 leaves, 26 to 28 in. high		2.00
8 in. pots, 6 to 7 leaves, 32 to 34 in. high		2.50
8 in. pots, 6 to 7 leaves, 34 to 38 in. high		3.50
KENTIA FORSTERIANA 6 in. pots, 6 leaves, 34 to 36 in. high		1.50
7 in. pots, 6 to 7 leaves, 36 to 40 in. high		2.50
8 in. pots, 6 to 7 leaves, 40 to 44 in. high		3.50
8 in. pots, 6 to 7 leaves, 44 to 48 in. high		4.50
10 in. pots, 6 to 7 leaves, 5½ ft. high		8.00
Made up **Kentia Forsteriana**, strong bushy plants, 3 plants to a tub.		
7 in. tubs, 40 to 44 in. high		4.00
8 in. tubs, 44 to 48 in. high		5.00
10 in. tubs, 44 to 48 in. high (heavy)		6.00
10 in. tubs, 48 to 52 in. high (heavy)		7.00
10 in. tubs, 50 to 54 in. high (heavy)		8.00

PHŒNIX ROEBELENII 5 in. pot plants, nicely characterized, $1.00 each, $10.00 per dozen.

THE STORRS & HARRISON CO., PAINESVILLE, OHIO

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PALMS!

KENTIAS, in 2½ inch pots, $8.00 per 100 $75.00 per 1000.

JACKSON & PERKINS CO., Newark, (Near Rochester) New York

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GERANIUMS

2-INCH POTS.

Nutt, Buchner, Poitevine, Doyle, Mme. Sallerol and others, $18.00 per 1000, $1.80 per 100.

Rose Geraniums, $3.00 per 100.

Rooted Cuttings of

Fuchsias, Salvias, Heliotropes, Double White Feverfew, Vinca Variegated, $1.00 per 100; 2-in. pots of above, $2.00 per 100.

Double Giant Sweet Alyssum; Ageratum, Gurney; R. C., 60c. per 100; 2-in. pots, $1.50 per 100.

COLEUS

Crimson Verschaffeltii, Golden Bedder and 15 others, 60c. per 100, $5.00 per 1000.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings: Viaud, Ricard, Doyle, Castellane, Janlin, $12.00 per 1000. Nutt, $10.00 per 1000.

BEGONIAS

25,000, strong, extra fine transplanted plants, of Vernon, $1.00 per 100 by mail; $6.00 per 1000 by Express.

PANSIES

Brown's Prize Pansies, seedlings Fall grown, $2.50 per 1000. Fall transplanted, large stocky plants, $1.25 per 100, $10.00 per 1000.

Cash with order.

PETER BROWN, 124 RUBY STREET, LANCASTER, PA.

Please mention the Exchange when writing.

Geraniums and Pelargoniums

Ready March 1st

Victor, Pelargonium, 3-in. pots $4.00 per 100. S. A. Nutt, Geranium, 2½ in. pots $2.00 per 100.

CASH WITH ORDER

WM. J. CHINNICK, TRENTON, N. J.

Please mention the Exchange when writing.

THE BEST WAY

to collect an account is to place it with the

National Florists' Board of Trade

56 Pine St., NEW YORK

WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Please mention the Exchange when writing.

COLEUS

Verschaffeltii, Golden Bedder and Assorted, $4.00 per 1000.

Strong runners, PRINCE OF WALES VIOLETS, $9.00 per 1000.

Tahoma Greenhouses
Mamaroneck, N. Y.

Please mention the Exchange when writing.

ORDER NOW For June Delivery

Begonia Gloire de Lorraine
2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen
2½-in., $5.00 per 100, $45.00 per 1000

Poinsettias
2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis
2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.
Scranton, Pa.

Please mention the Exchange when writing.

GERANIUMS

RICARD, DOYLE, VIAUD and POITEVINE $12.00 per 1000,

S. A. NUTT, $10.00 per 1000

COLEUS, VER. and G. BEDDER 60c. per 100

FRED W. RITCHY, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS from soil, S. A. Nutt Double Grant, Buchner, $10.00 per 1000; Poitevine, Ricard, Perkins, from pots $15.00 per 1000. Strong, 2½-in., and from soil, $2.25 per 100.

COLEUS Ver. and G. Bedder, $6.00 per 1000. Fancy, brightest, $5.00 per 1000. Giant Leaved, most showy of all, 80c. per 100.

ALTERNANTHERA Good soil plants; Yellow, $6.00. Red Rug, $7.00 per 1000.

PANSIES. Large, best select $3.00 per 1000.

ASTER. Wonder new, white and pink, June and July, $1.00 per ½ oz. Late Branching, six colors mixed 40c. per oz. Cash.

DANIEL K. HERR, Lancaster, Pa.

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Begonia Gloire de Lorraine

LEAF CUTTINGS. For immediate delivery. Stock in excellent condition.
100 for $12.00, 500 for $50.00. Prices for larger quantities on application.

Bay Trees (Standards and Pyramids) and Palms

in all sizes; always on hand for immediate delivery. Write for special wholesale price-list.

New Croton—Fred Sander

A very striking variety. First Awards wherever exhibited.

3 inch pots, $1.00 each, $10.00 per dozen.
5 " " 2.00 " 20.00 " " } Delivery from April 1st.

ORCHIDS

LARGEST STOCK of established plants in America. Fresh imported plants from the woods now arriving. Write for prices.

Stove Plants, Box Trees, Blue Spruce and other Evergreens.

JULIUS ROEHRS CO., RUTHERFORD, N. J.

Please mention the Exchange when writing.

Cactus Aster Celestine

Cactus Aster Celestine.—The flowers of this novelty are larger, and petals narrower and more twisted than in the carmine rose Cactus Aster of Benary introduction last year. The color is pure soft lilac, admirable for bouquet work.

Some of the 1910 Novelties of Ernst Benary, Erfurt, Germany

Carnation Blooms with Foliage On page 170 of the EXCHANGE Mr. W. T. Bell remarks that the appearance of Carnation flowers would be improved if foliage were combined with them. This thought occurs: would it pay to grow Carnations specially for foliage?

The strong growing seedlings, such as we term "Jacks," might possibly pay this way if an odd house could be given over to them. As previously stated, the Jack Carnation is always a sore point with us, because some person or persons grow them specially for hawkers (peddlers), who foist them upon unsuspecting buyers as choice named border sorts, fancy names of course being attached to them. Only a week or so ago, some parties were prowling around Kent with these Jacks, the plan of selling being particularly bold. The hawkers, after ascertaining certain householders' names, were calling at residences, when the heads were at business, with the information that the gentleman (giving name) had ordered so many plants, which were to be paid for on delivery. In many cases the unsuspecting lady would pay the amount, only to find afterwards that the husband had given no such order. These Jacks are invariably red singles.

Seed Selling "Claptrap" I was particularly pleased to observe that the seedsman's disclaimer case was upheld, as reported recently, for no honest seedsman can safely warrant his seed beyond the point of replacing the same free of cost if it fails from any cause whatever. There are, however, a few who talk in a big way over here, but the average buyer will, I think, set down such talk as mere claptrap.

The weather conditions and cultural skill will always influence a crop one way or the other, therefore one can only express astonishment to find people in business advertising that "it is impossible to find customers who have been dissatisfied after using So & So's seed," and that "It is impossible to meet anyone who would purchase elsewhere after being introduced to such seeds."

When one considers the natural aptitude for grumbling of some folk, and also that the seed in question is identical to that sold by scores of other firms, as I know it is, it can only be assumed that sheer claptrap claims, with no bona fide backing, are being made, for the object of catching custom. T. A. W. (England).

The Skinner System of Irrigation

Dr. R. Schiffman's famous grounds at Pasadena, Cal., of which we have been privileged to show several views in the past are fully equipped with the Skinner Sprinkling System, a valuable adjunct in that climate. By turning a swivel the force of the stream can be regulated by the valve. The view shown here is taken along the border of the grounds, which is planted with shrubs of different varieties, mostly evergreen, and demonstrates the adaptability of the system to the work required.

Skinner System of Irrigation in garden of Dr. R. Schiffmann, Pasadena, Cal.

Headquarters in Western New York

For Roses, Carnations,

And all kinds of Seasonable Flowers

WM. F. KASTING CO.

Wholesale Commission Florists

Dealers in Florists' Supplies and Wire designs

383-87 Ellicott St., BUFFALO, N. Y.

Give us a trial—We can please you

Please mention the Exchange when writing.

Nephrolepis Whitmani

6-in., $6.00 per doz.; 2¼-in., $3.50 per 100. COLEUS, Verschaffeltii and Golden Bedder, 2-in., $2.00 per 100. ABUTILON Savitzi, 2-in., $2.50 per 100. ACALYPHA Macfeeana, 2-in., $2.50 per 100. ASPARAGUS Sprengeri, 4-in., $5.00 per 100.

W. D ROBERTSON, Oakhurst, N. J.

Please mention the Exchange when writing.

Amoor River Privet

350,000 All Sizes

6 to 20 inch, well rooted; transplanting size, $10 per 1000; 12 to 18 inch, $15.00 per 1000; 18 to 24 inch, $20.00 per 1000; 24 to 30 inch, heavy, $25.00 per 1000; 30 to 36 inch, heavy, $30.00 per 1000. All sizes, except the transplanting, are well branched. Packed and delivered f.o.b., for cash with order.

VALDESIAN NURSERIES

Bostic Department, BOSTIC, N. C.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Pitcher & Manda Employees Assoc.

The much talked of organization of the old employees of the former firm of Pitcher & Manda was effected at the convention of the American Rose Society, held in New York, March 16. The Association is formed for the purpose of holding an annual reunion, and a committee was appointed to arrange for the first meeting, which is to be held sometime in June. The committee is composed of A. J. Coan, A. Nelson and H. A. Bunyard. The officers elected were Charles Russel, president; Fred Atkins, vice-president; A. T. Boddington, treasurer; Chas. W. Merkel, secretary.

Newport, R. I.

Mr. James S. Cowles who, with his wife and son have been spending the Winter in England, has returned.

Henry M. Wilson of the Middletown Nurseries is quite ill at his home, the result primarily of a severe cold.

Prof. A. E. Stene, State nursery inspector, is to lecture this Saturday evening before the Newport Natural History Society on some of the insect pests affecting shade trees. The members of the Horticultural Society are invited and, as the subject is important and Mr. Stene is an interesting speaker, there is likely to be a large attendance.

For St. Patrick's Day great green preparations were made with green Carnations and Shamrocks in galore.

One enterprising fish dealer handed out a Shamrock plant free to every patron making a purchase in the early part of the week.

The prospects for a good season in the Cottage Colony is of the best, that is judging by the number of places already rented, and in the trade a banner year is confidently expected.

In the case of nursery stock the supply of large specimens of evergreens is not expected to be equal to the demand.

Travelers in town, representing Holland bulb firms, report the best trade ever. ALEX. MACLELLAN.

SOUTHBRIDGE, MASS.—George C. Butler has resigned his position as head gardener for Hon. W. A. L. Bazeley, Uxbridge, Mass., and has accepted a position as superintendent of the Messrs. Wells' estate in Southbridge, Mass.

REVERO GARDEN HOSE

It is a Moulded, Indestructible Hose for the Lawn, Greenhouse, Stable and Garage. Being of continuous length, you can get any length wanted up to 500 feet in ONE PIECE—thereby avoiding leaky couplings whenever long lengths are necessary.

REVERE RUBBER CO., Boston, Mass.

BRANCHES

NEW YORK MINNEAPOLIS
CHICAGO NEW ORLEANS
PHILADELPHIA SAN FRANCISCO
PITTSBURG

Please mention the Exchange when writing.

Geraniums and Bedding Plants

That Speak for Themselves

Geraniums Nutt, Doyle, Buchner, La Favorite, Grant, Bruanti, and others, also Rose Geraniums, $18.00 per 1000; 500 at 1000 rates.

Ageratum Stella Gurney, Pauline and others, R. C., 60c.; 2¼-in. pots, $1.00 per 100.

Heliotrope All dark, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100.

Feverfew Little Gem, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100.

Achyranthes Lindeni, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100.

Pilea Artillery Plant, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100.

Ivy German, 2¼-in. pots, $1.50 per 100.

CASH WITH ORDER

J. E. Felthousen

154 Van Vranken Avenue, SCHENECTADY, N. Y.

Please mention the Exchange when writing.

ROSES

Own Root, Fine Stock

White Killarney, 2¼-in., $1.50 per doz., $8.00 per 100. Chatenay, Carnot, Kaiserin, Killarney, Perle, Richmond, Sunrise and Sunset, $5.00 per 100. Bride, Bridesmaid, Golden Gate and Uncle John, $4.00 per 100.

Mammoth Verbenas

Rooted Cuttings, $1.00 per 100, $8.00 per 1000.

Asparagus Plumosus

From 3-in. pots, $5.00 per 100; from 2¼-in. pots, $3.00 per 100.

Asparagus Sprengeri

From 3-in. pots, $5.00 per 100.

Dracaena Indivisa

4-in., $15.00 per 100; 5-in., $20.00 per 100.

MISCELLANEOUS

ABUTILON Savitzi, 2¼-in. pots, $3.00 per 100.

AMPELOPSIS Veitchii. Pot grown, $3.00 per 100 and $6.00 per 100 (two sizes).

ACHYRANTHES. Best varieties, $1.00 per 100, $8.00 per 1000.

AGERATUM. Blue and white, $1.00 per 100, $8.00 per 1000.

CANNAS, Dormant Tubers, $2.00 and $3.00 per 100, $18.00 and $25.00 per 1000.

CARNATIONS: From pots and Rooted Cuttings; send for catalogue for varieties and prices.

CHRYSANTHEMUMS, 60 fine varieties, Rooted Cuttings, $1.60 and $2.00 per 100.

COLEUS. Bedding and fancy varieties, $1.00 per 100, $8.00 per 1000.

CUPHEA platycentra. $1.25 per 100.

BEGONIA Erfordi. Pink and white, $2.00 per 100; Crimson Bedder, $2.00 per 100.

FEVERFEW, The Gem. $1.50 per 100, $12.00 per 1000.

FORGET-ME-NOT, $1.50 per 100.

FUCHSIAS. Double and single, $2.00 per 100.

GERANIUMS. Double and single, $1.50 per 100, $14.00 per 1000.

GERANIUMS, Ivy-leaved, 2¼-in. pots, $3.00 per 100.

GERMAN IVY. $1.50 per 100.

HELIOTROPE. 8 best varieties, $1.25 per 100, $10.00 per 1000.

LANTANAS, 2¼-in. pots, $3.00 per 100.

LOBELIA. New double blue, $2.00 per 100.

MOONFLOWER (True). White, $2.00 per 100; $15.00 per 1000.

SALVIA. New varieties, $1.50 per 100; $12.00 per 1000. Splendens and Clara Bedman, $1.25 per 100; $10.00 per 1000.

STEVIA, Variegata, and Compacta, per 100, $1.25.

SMILAX, from 3-in. pots, $4.00 per 100.

WOOD BROTHERS, FISHKILL, NEW YORK

Please mention the Exchange when writing.

An Easter Window Decoration

Arrangement to Show a Portion of a Store Interior

First see that the window is thoroughly cleaned, as many a pretty window has been spoiled through the glass being dirty. Then cover the entire top with long symmetrical sprays of Southern Smilax, hanging them perpendicularly from the ceiling, allowing some of the sprays to hang as low as four feet from the top, while others may graduate to about two feet from the ceiling, in order to give an irregular effect.

Now take two Cibotium Ferns, one about 4 ft. to 4½ ft. spread, the other about 3 ft.; use two screw hooks, 6½ ins. long, and screw one into the ceiling on the wall side, just far enough away from same to permit the hanging of the larger Cibotium, with fronds almost touching the side, and as close to the ceiling as possible, adapting a slanting wire pot hanger for this purpose, which will enable you to take the plant down easily for watering. Screw the other hook on the door side of the ceiling, far enough over from the side to permit the hanging of the 3 ft. Fern, which should be hung the same as the larger one, fronds almost touching the side of the window next the door, and as close to the ceiling as possible.

In case it is impossible to screw the hooks in the ceiling, owing to it being metal work, plaster or some other material which might be damaged by the former method, take a strip of wood 3 ins. wide and 2 ins. thick, paint it the same color as the ceiling and nail it across the top of the rear of the window, fastening it in the casing at either side, and screwing the hooks into this.

A very pretty effect can be obtained by fastening a hanging jardiniere, suspended by brass chains from the center, and about 3 ft. down from the ceiling, filled with tall yellow Jonquils, Acacia and Asparagus.

In giving the dimensions of the Ferns, etc., I am calculating on a window 10 ft. high by 8 ft. wide, which I believe is about the average sized store window. In case a window should be larger than this, there may be added another 3 ft. Cibotium Fern in the center. If smaller, reduce the size of the plants to conform with the size of window.

Having finished the top, now cover the entire bottom with green sheet moss, as bright as it is possible to obtain; dampen it well after spreading.

Make a large Easter egg, 3 ft. long, 22 ins. high, 18 ins. wide at its broadest part, in order not to occupy too much floor space, in the following manner. Get a wireworker to make a wire frame in the shape of an egg, to measure as previously stated, leaving a hole in the top, well over to the heavy end, about a foot in diameter. Cover the frame neatly with white cheese cloth or muslin, sewing it where necessary. Then mix some plaster of Paris and cover the entire egg with the same. Another way would be to cover the muslin with a thick paste made of flour and water, crinkling wax paper on it with the fingers, while the paste is wet.

Place the figure of a rabbit, about 20 ins. high, sitting on the small end of the egg, posing it as driving a dozen little stuffed chicks, as shown in the illustration. The chicks can be bought at any supply store for not more than $2.50 a dozen, and probably less; while the rabbit can be procured at any novelty store at a trifling cost. Place the egg well in the foreground of the window, with a slight point toward the interior of the store. Put a jardiniere, filled with water, inside the opening and fill it with specimen stalks of cut Easter Lilies, and sprays of yellow Acacia, tied with a broad, pale blue ribbon 4 ins. wide, leaving long streamers falling to and on the floor.

Now place a 3 ft. Cibotium Fern on a standard plant stand 6 ft. high, directly under the large hanging Cibotium, and tilted at the same angle; next bank around the stand blue Hydrangeas, with a border of yellow Genista, and an edge of Scottii Ferns placed on a slant so as to hide the pots.

Take a well furnished symmetrical Kentia Palm, about 7 ft. high, clean it thoroughly and place it in the opposite corner of the window, as shown in the illustration. Bank around it with pots of white Lilac bushes, bordered with yellow Genista, Scottii Ferns, or large Maidenhair Ferns.

Now place a jardiniere and pedestal, 3 ft. high, in the center, and as far in the background as space will allow. Fill it with cut Lilies, sprays of Acacia and Asparagus Sprengeri. Next take a 4 yd. piece of broad yellow ribbon, of good quality, 4 ins. wide, and fasten one end behind the Hydrangeas, bring it up to the top of the jardiniere, make four loops about 18 ins. long, tied with a fine rose wire to one of the Lily stalks, and bring the remaining streamer over to the Lilacs, making a bow with a short streamer as shown in the illustration.

A very effective detail may be added by wiring a few glass Orchid tubes on green rose sticks, so that they can be stuck in the pots of the Cibotium Ferns and filled with yellow spray Orchids, such as Oncidium varicosum Rogersii, which give color and effect to the ceiling arrangement.

Another detail which would undoubtedly prove quite an attraction would be to place a dozen medium length Bride Roses in blue dye over night, (this dye can be obtained at any florists' supply store) then place them well in the foreground of the window, opposite the egg, with a low vase of Gardenias or some other small cut flower on either side of them; being careful not to have anything high in the foreground, or anything that will conflict with the general color scheme of the window, which you will note has a blue and gold, white and green effect. You will also note that in the arrangement of this window there is not much material used other than what any florist would have in stock at this time of the year.

JAS. MEIKLEJOHN.

An Easter Window Decoration

Easter Basket—Azalea Prof. Wolters, Trimmed with Pussy Willow and Ribbon

The Effect of Artificial Light On the Colors of Flowers

TRANSLATED FROM DIE BINDEKUNST

It is a well known fact that artificial light, either lamp, gas or electric, changes color effects materially, and it is of the utmost importance that florists should familiarize themselves with such variations, not only in making up bouquets to be carried by ladies in evening dress, but also in decorating rooms to be used for functions where artificial light is employed. It is not sufficient for the florist to consider the effect of his floral creations in his shop; he must also know beforehand how they will appear in the place and under the conditions designated for them.

The principal factor producing variations of effect is to be found in the different spectral analyses of the kinds of light. All our artificial lights are composed of the same colors as the light of the sun, but these colors are not found in the same proportion in the different artificial lights, hence vary in the spectrum. In the artificial lights there is generally a preponderance of yellow, which causes changes of color as compared with sunlight. The electric arc light has the least effect on colors, only changing the tints somewhat, according as the light is strong or weak; this light is therefore used in stores, studios and shops where it is important to get the true colors at night.

Incandescent gas lights change the colors considerably more, since this light contains a large percentage of yellow rays. By gaslight it is very difficult to recognize the true colors as in very few cases only does it not affect them, and it is interesting to study the differences as seen in the various shades of the same color. Neutral colors grow in general more delicate, and bright colors become much brighter, especially warm colors in which there is yellow, as yellow, orange and red. While bright red does not change at all, except to become more brilliant, cerise is deepened, orange appears a golden yellow, and the latter assumes the hues of cadmium yellow. The different behavior of the different colors is illustrated by canary yellow, which loses its greenish tinge, and chamois, which becomes whitish.

The pink colors, again, each behave differently by gaslight: Bengal pink loses nothing of its brightness, while purplish pink easily seems muddy and insignificant; this is due to the fact that this color has a great affinity for yellow rays. And, similarly, all shades of grey lose their attractiveness, being, as it were, swallowed up by the light, with the single exception of silver grey, which as-

PLEASE NOTICE THAT

Items of interest to the Retail Trade are not confined to this page but will be found throughout the entire paper.

Retail florists are invited to send us items of trade interest for publication on this page; clear photographs of good designs will also be appreciated. These latter should always be packed carefully between boards.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street
Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street
We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street
We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — BOSTON, MASS. — 24 Tremont Street
Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Robt. G. Wilson — BROOKLYN, N. Y. — Fulton St. and Greene Ave
Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — BUFFALO, N. Y. — W. J. PALMER & SON, 304 Main St.

Hauswirth — CHICAGO, ILL. — The Auditorium Florist, 232 Michigan Ave.
The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

JULIUS BAER, **CINCINNATI, O.** — Fourth St.

Frank F. Crump — COLORADO SPRINGS, COLO. — Retail Florist
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co — CONNECTICUT — New Haven — 1026 Chapel St., Opposite Yale College
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

An Old-Fashioned Bouquet
Pink Killarney and Lily of the Valley. Paper Cover

sumes a pinkish tinge; but this shade is difficult to combine with any but the purest subdued colors.

A very light blue appears grey, and skyblue retains its shimmer, while Forget-me-not blue may become dull and seem greenish. Navy blue appears almost black. Green does not change to any extent, keeping its own hues, but seeming lighter or darker, according to the amount of blue it contains. Yellowish green is especially brilliant by incandescent gaslight. The violet colors are absolutely inconstant by gaslight; in part they change entirely, assuming brown or even black tints, and some become dull and wholly ineffective. Violet red only retains its lustre, but seems more reddish.

Incandescent electric light is the most powerful of all in changing the colors. With its very large percentage of yellow and orange rays it may lead us entirely astray in judging colors. No absolute laws can be laid down here, but it may be said, in general, that the red colors become warmer, more fiery and more yellow; orange becomes more brilliant, taking on a stronge tinge of yellow; yellow becomes lighter and loses in intensity; green becomes yellowish; the blue colors seem more reddish and in part more greenish, and also fade somewhat; violet takes on a reddish tinge. In mixed colors the probabilities of change are still greater, depending on the fundamental colors they contain.

Finally, the transluceney of leaves and of the different flowers must be taken into consideration. This is exemplified by the fact that, if some Spring morning we stand facing the sun and look at it through the young foliage of a tree, the leaves will appear as a bright, transparent green, which seems almost like a brilliant cadmium yellow; but if we look at the same tree with the sun at our back, the color of the leaves will be an opaque emerald green. It is this quality of transluceney which makes flowers appear so charming to the eye on festive occasions in brilliantly lighted rooms. And it is eminently worth the time of the florist engaged in decorative work, to study the changes wrought by the different kinds of artificial light with which he has to deal.

[At a recent exhibition of electrical lighting eight wide bands of silk dress goods stuff, consisting of eight entirely separate colors were revolved in a sub-divided compartment, lighted by ten differing electric lights, but all of them representative types of the lights in actual commercial use. Each light was shut off from its neighbor by means of light proof partitions, and the spectator looked through square apertures. The appearance of the silks under the different light effects was startling in the extremes of contrasts given out. One light, however, appeared to give the actual color effect, such as would be seen under sunlight, and this was the Tungsten, a film which is rapidly coming into favor.—Ed.]

Easter Basket of Lilies and Amaryllis
By The Rosary Flower Co., New York.

The Park Floral Co. — DENVER, COLORADO — 1706 Broadway
J. A. VALENTINE, Prest. Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave.
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — JACKSONVILLE, FLA. — 20 Laura St.
We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc., also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — KANSAS CITY, MO. — 1017 Broadway
I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — LOUISVILLE, KY. — 644 Fourth Avenue
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — MONTREAL, CANADA — 855 St. Catherine St., West
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Young & Nugent — NEW YORK — 42 West 28th Street
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see pages 540, 541

All advertisers in this column are provided with Arnold's Florists' Telegraph Code No. 16.

HAVE YOU EVER BOUGHT RIBBONS DIRECT FROM THE MANUFACTURER?

PINE TREE RIBBONS are particularly adapted to Floral uses. The colors, the widths, the many qualities, the rich, beautiful finish and low prices make them

Unusually Attractive Ribbons Backed by Fifty Years of Selling and Manufacturing Experience

That Little Green Tree on each piece of Ribbon is your protection

THE PINE TREE SILK MILLS L.D.S.&Co.

A NOVELTY RIBBON OF MERIT

PATTERN 4739, Satin, No. 7—**52c.** per piece of 10 yards

SOLID COLORS, SATIN EDGE: White, Blue, Pink, Mais, Nile, Orchid, Beauty, Lilac, Violet.

Special Color, Violet with Green Striped Edge (A REAL VIOLET RIBBON)

Sample of Ribbons and Chiffons Gratis

The Pine Tree Silk Mills Company

Philadelphia

Please mention the Exchange when writing.

Rhododendron Maximum
Hemlock Branches
for Cemetery Use

Always Fresh From the Forests

LOG MOSS in Large Sheets

Good Green Color—Well Dried

$1.60 PER BAG

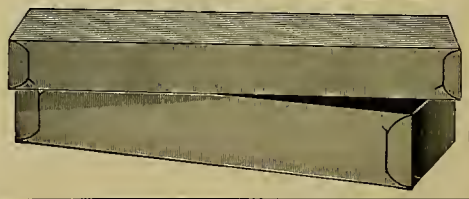
ORDER NOW FOR EASTER

Alleghany Mountain Evergreen Company

FARMINGTON, PA.

Please mention the Exchange when writing.

CUT FLOWER AND DESIGN BOXES



All Sizes, Lowest Price

WRITE

C. C. Pollworth Co.

MILWAUKEE

Please mention the Exchange when writing.

FANCY OR DAGGER FERNS, $1.25 per 1000.

Telegraph office; New Salem, Mass.
L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Partridge Berries, $2.00 per 1000 or 10c. per bunch of 50 sprays.—Order now. Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $12.00 to $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work

Please mention the Exchange when writing

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY
962 Mill Street, KENDALLVILLE, IND.

Please mention the Exchange when writing.

WHOLESALE PRICE LIST

GALAX, FERNS AND LEUCOTHOE Per 1000
Direct from the woods to the dealer

Galax: green and bronze	$0.50
Ferns, dagger and fancy	1.00
Green Leucothoe sprays, regular lengths	2.00
Green Leucothoe Sprays, 10 to 15-in	1.00

Special prices on lots of 100,000 and up.
Terms, strictly cash, f. o. b. Elk Park, N. C.

NORTH CAROLINA EVERGREEN CO., Banners Elk, N. C.

Please mention the Exchange when writing.

F. E.—The Best Advertising Medium.

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

Per 100		Per 100	
20x4x3	$3.25	28x8x4	$4.50
18x6x3	2.25	30x6x3½	3.76
24x6x3½	3.00	36x6x5	6.60
21x7x3½	3.25		

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

Per 100		Per 100	
16x18x8	$8.00	36x14x10	$16.50
18x18x8	9.00	36x10x6	10.00
30x20x8	10.00	30x12x7	8.50
24x24x8	12.00	28x12x4	6.50
24x18x8, Pillow Box			12.00
30x16x8, Pillow Box			10.00

10% discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.
Box 205 CASTORLAND, N. Y.
New York Office, 20 East 42nd Street

Please mention the Exchange when writing.

USE KRICK'S
Perfect Handles and Hangers
Just the thing for Easter.
When crowded for space will sustain the weight of 100 pounds.
Sample and prices on request.
CHAS. A. KRICK
1164-66 GREENE AVE., BROOKLYN, N. Y.

Please mention the Exchange when writing.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire
IGOE BROTHERS
Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes
63-71 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Southern Wild Smilax
Now ready for shipment.
Write, wire, or 'phone the introducers.
CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA

Please mention the Exchange when writing.

MICHIGAN CUTFLOWER EXCHANGE, Inc.
Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

WE MANUFACTURE
ICE BOXES The Latest Improved
Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.
Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK
'Phone 4254 Madison Square

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED
LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

Please mention the Exchange when writing.

Commercial Violet Culture Price $1.50
The Florists' Exchange, 2 to 8 Duane St., N. Y.

THE KERVAN CO.
113 WEST 28th STREET NEW YORK
WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roplnge made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

Basket of Azalea Mollis and Spiræa

PITTSFIELD, MASS.—Trade at the Flower Shop, which opened Feb. 1, has been very good. The cut flower business has been very satisfactory and already Easter plants are selling. The proprietors are confident of a good Easter patronage and have prepared a large stock of all the standard plants as well as many of the novelties, which latter seem to make a very agreeable hit. The Flower Shop is rapidly becoming a popular resort, everyone is welcomed and made to feel at ease, whether intending to make a purchase or not. Funeral orders are increasing and other lines of trade are good. B. G. S.

WAKEFIELD, MASS.—Otto B. Runge has opened his new store on Albion st.

GARY, IND.—Miss Dora Brown of the Colonial Flower Shop, Goshen, Ind., will open a florist store here. She has leased a room in the new Gem Building to be completed in a few days, which is located in the heart of the business district. Miss Brown started in Goshen three years ago, and will still control the Colonial Flower Shop there, leaving Miss Ruth Cripe in charge.

LENOX, MASS.—Robert MacConnachie, florist, and Miss Margaret Williams were married on March 4.

Basket of Hydrangea Otaksa and Spiræas

WIRED TOOTHPICKS
10,000, $1.75; 50,000, $7.50
Manufactured by
W. J. COWEE, Berlin, N. Y.
Samples free. For sale by dealers

Please mention the Exchange when writing.

E. A. BEAVEN
EVERGREEN, ALA.
LOG MOSSES
Natural and perpetuated. Orders booked now for future delivery.

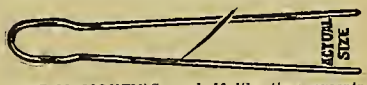
Please mention the Exchange when writing.

Please mention the Exchange when writing.

Please mention the Exchange when writing.
"Getsthere Soap Mfg. Co.
Conshohocken, Penna.
Please send us at once the enclosed order of your Getsthere Insecticide Soap. We find this a very satisfactory article for use on plants, and we recommend it highly.
ROBERT CRAIG & CO.,
Philadelphia, Pa.

GETSTHERE SOAP CO.
CONSHOHOCKEN, PA.

Please mention the Exchange when writing.



TIME IS MONEY! Save half the time greening your designs by using Florist Greening Pins. 20c. per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c. per lb. Write for prices on larger quantities.
WM. J. SCHLATTER & SON, 422 Main Street SPRINGFIELD, MASS

Please mention the Exchange when writing.

Orders by Telegraph
For twenty-five cents, cash, we will forward you a handsomely printed card, worth framing, which you can hang in a conspicuous part of your store, to let your customers know you "fill orders for flowers, plants or floral designs to any point" by telegraph.

A copy of Arnold's Florist's Code, price $2.50, will give you a key for the cipher transmission of orders to any of the advertisers in our "Directory of Reliable Retail Houses." All for sale by

The Florists' Exchange
No. 2 Duane St., N. Y.

MINNEAPOLIS, MINN.—James Souden, florist, 833 Hennepin ave., has filed a petition in bankruptcy.

POUGHKEEPSIE, N. Y.—Chas. Mitchell will move his large greenhouse business at 8 Winnekee ave. to a new site on the same street.

SALT LAKE CITY, UTAH.—The Miller Floral Co. has been organized by Robert Miller and Louis L. Barton. The company will build a modern range of greenhouses and will begin business with a capital stock of $15,000 to $20,000.

FARGO, N. D.—Mr. and Mrs. C. D. Porter, who have conducted a greenhouse and florist establishment here for many years, have decided to go West. They will locate in Oregon with the Columbia Land Co. Mr. Porter is to do landscape work for the company in addition to going into the fruit business for himself.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By Gardener, German, married, competent in all branches; private or commercial place. C. Foerster, 542 West 47th St., New York City.

SITUATION WANTED—Intelligent man wants position in seed store. Florist, 241 East 39th street, New York City.

SITUATION WANTED—By young man for general greenhouse work, about April 11, in or near Roxbury. L. J. K., 29 Quincy street, Roxbury, Mass.

SITUATION WANTED—As head gardener on private estate, no small place. Single, American, 10 years' experience. G. Donovan, Sterlington, Huckland Co., N. Y.

SITUATION WANTED—A1 designer and decorator wants position. Able to manage store. First-class references. Address, E. I., care The Florists' Exchange.

SITUATION WANTED—By single working foreman; competent grower of Roses and Carnations. Life experience, temperate, reliable; best of references. Address, "Florist," 203 East 19th street, New York City.

SITUATION WANTED—By life experienced man, grower of Roses, Carnations, Chrysanthemums and bedding plants; section of Roses preferred. Middle aged, single, sober; state wages. Address, F. G., care The Florists' Exchange.

SITUATION WANTED—Competent florist and gardener seeks position on private place, experienced in cut flowers and pot plants, thoroughly understands out door work, lawns, vegetables, etc. American, 35, married, one child. Life experience. Best of references. Address, "Private" care The Florists' Exchange.

SITUATION WANTED—By florist, single, German, age 25, with 10 years' experience; honest, sober and willing worker for employer's interest. Please state wages in first letter. Address, F. E., care The Florists' Exchange.

P. S. Will F. E. please notify The Florists' Exchange of his address; he neglected to state same.

The Horticultural and Landscape Gardening Departments of the Baron de Hirsch Agricultural School announce that the graduates are ready to fill positions with commercial houses engaged in floriculture and landscape gardening, and also positions on private estates as Gardener. These men are fully capable of taking charge of greenhouses, nurseries, parks and landscape gardens. For reference apply to H. W. Geller, Supt., Baron de Hirsch Agricultural School, Woodbine, N. J.

SITUATION WANTED—As foreman or salesman in nursery by Englishman, age 30, single; 16 years' practical experience in England and America, including 2 years in Royal Botanic Gardens, Kew, London, and 2 years as foreman and salesman in large nursery in England. Understands trees, shrubs and herbaceous plants and all greenhouse stuff including Orchids. Expert grower and propagator and used to handling plants in thousands. Good salesman, can advise customers on any question relating to Horticulture. Well educated, has diplomas for Botany and Horticulture. Understands bookkeeping, correspondence and catalogue compilation. Excellent references. Address, F. I., care The Florists' Exchange.

Use our columns when needing a situation.

Use our columns when needing the best help.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

HELP WANTED

WANTED—Single man as second assistant on private place, inside and outside. Wages $30.00 per month and board. Apply with references. F. K., care The Florists' Exchange.

WANTED—A young man for general landscape work, must be well up in lawn-making. Address, Sunnyfield Nursery Co., Poughkeepsie, N. Y.

WANTED—A young man with some nursery experience to assist in Herbaceous Department. State wages wanted. Chas. R. Fish & Co., Worcester, Mass.

WANTED—A good night fireman, willing to work at anything in connection with the business. Steady position. State wages. P. M. Olm, Bath, Me.

WANTED—A salesman who has thorough knowledge of vegetable and flower seeds. Salary good; permanent position assured. Call on Muzzy Bros., Paterson, N. J.

WANTED—A young man as assistant in greenhouses, on private place; wages $20.00 per month, with board and room. Must have experience and good reference. Address, F. B., care The Florists' Exchange.

WANTED—Three experienced rose growers to take charge of section in large rose growing plant near Boston. Address, with copy of references, to F. C., care The Florists' Exchange.

WANTED—A young man with some experience in pruning and general outside work and to assist in greenhouses; steady position. Apply to The Rosemore Nursery Co., Litchfield, Conn.

WANTED BY APRIL FIRST—Assistant for Roses, Carnations and general greenhouse stock. Kindly answer stating experience and wages expected. ADIRONDACK GREENHOUSES, SARANAC LAKE, N. Y.

WANTED—Active, young man with experience in Rose growing, as assistant. Position now open; good wages. Apply or send full particulars with references. Madison Cut Flower Co., Madison, N. J.

WANTED—An experienced storeman, designer and maker-up, for a prominent retail store in the metropolis of New York. State wages. Address, with references, D. L., care The Florists' Exchange.

WANTED—An experienced nurseryman for propagating shrubs, herbaceous and bedding plants. State references, age, and wages wanted. Address, Rhode Island Nurseries, Newport, R. I.

WANTED—Men capable of superintending forestry work; also planters and landscape construction men. No drinkers. State wages. Address, Box 13, Fuller Building, Jersey City, N. J.

WANTED AT ONCE—Man as assistant Rose grower under foreman; one having experience with American Beauty preferred. Wages, $35.00 month, room and board. Address with full particulars. F. H., care The Florists' Exchange.

DRAFTSMAN WANTED.

To assist in making plans for the embellishment of suburban home grounds and private estates. State experience and salary required. Address, Landscape, Box 115, Little Silver, N. J.

WANTED—Working foreman for landscape work. Must be able to handle men to advantage and acquainted with grading, planting, etc. Address with particulars and state wages required, to E. H., care The Florists' Exchange.

WANTED—Young man, 20 years old, German preferred, for greenhouse work on private place; must be thoroughly experienced in growing Roses, Carnations, Chrysanthemums and assist outside. Good position and good wages for a willing young man. Address, F. D., care The Florists' Exchange.

WANTED—A landscape gardening foreman must be sober, capable of handling men to advantage and know how to excavate, make lawns, sod, make drives and paths, pave and seed; must be able to work himself when necessary. Steady work for the right man. August Molitor, Chatham, Morris Co., N. J., Box 137.

WANTED—An assistant in greenhouses, experienced in Carnations, 'Mums, or general stock; must be a good worker and reliable. $25.00 and board with room; also a vegetable grower; must have knowledge of how to handle hotbed. Address, F. C. Riebe, Webster, Mass.

WANTED—Three or four Seedsmen for counter work, at once. Apply in person to J. M. THORBURN & CO., 33 Barclay Street, New York.

The use of these columns will obtain for you a desirable position at any time.

STOCK FOR SALE

BULBS

GLADIOLUS—Special prices on Silver Trophy, Sec. 2 and Groff's mixtures. Write for quotations. A. W. Gardiner, Box 675, Springfield, Mass.

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices. George Peters & Sons, Hempstead, N. Y.

STOCK FOR SALE—Gladiolus Alice Carey, the best white in cultivation, No. 1, $6.00 per 100; $40.00 per 1000. America, No. 1, $4.00 per 100; $30.00 per 1000. Price list free. E. Y. Teas, Centerville, Ind.

STOCK FOR SALE—Dahlia Roots, undivided field-grown clump, White Swan, Pearl d'Or, Kriemhilde, Nymphia, Lyndhurst and Catherine Duer. Send for special price list. Wood & Healey, Hammonton, N. J.

GLADIOLI—Brenchleyensis and Buchanan make effective decorations. Bulbs of same for sale, first size, $9.00 and $25.00 per 1000, respectively. My soil, climate and method are well adapted to the production of mature sound stock. John H. Umpleby, Lake View, N. Y.

CARNATIONS

CARNATIONS—Apple Blossom and Wanoka; strong rooted cuttings. Delivery, January 1. Wanoka Greenhouses, Barneveld, N. Y.

STOCK FOR SALE—Well rooted Carnation cuttings as good as the best. Send for prices. George A. Relyea, Poughkeepsie, N. Y.

CARNATION CUTTINGS.

Strong, clean and well rooted.

STANDARD VARIETIES

	Per 100	1000
Enchantress	$3.00	$25.00
Rose Pink Enchantress	2.00	25.00
Winsor	3.00	25.00
Winona	3.00	25.00
Afterglow	3.00	25.00
Lawson	3.00	25.00
Melody	3.00	25.00
White Perfection	3.00	25.00
Queen Louise	2.50	20.00
Beacon	3.00	25.00
Victory	3.00	25.00
Variegated Lawson	3.00	25.00
M. A. Patten	2.50	20.00
Mrs. Hutchison	3.00	25.00
Roosevelt	2.50	20.00
Boston Market	2.50	20.00
Flora Hill	2.50	20.00
Dorothy	2.50	20.00
Elbon	2.50	20.00
Liberty	2.50	20.00
Climax	2.50	20.00
White Beauty	2.50	20.00
Yellow Beauty	2.50	20.00
NEW VARIETIES		
Alma Ward	15.00	120.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Dorothy Gordon	10.00	75.00
Apple Blossom	6.00	50.00
May Day	6.00	50.00
Georgia	6.00	50.00

S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia, Pa.

CHRYSANTHEMUMS

GLORIA, a large early Enchantress colored 'Mum, R. C., now ready, $1.00 per 25; $3.75 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

CHRYSANTHEMUMS—October Frost, Estelle, Monrovia, Golden Glow, Halliday, Yellow Bonnaffon, Enguehard. Cash please. George A. Realyea, Poughkeepsie, N. Y.

EXCHANGE OR SELL—'Mums, R. C., stock plants, for Pink and White Enchantress, Beacon, Perfection, White Geraniums, Waverly Greenhouses, Tuckahoe, N. Y.

FERNS

FERNS—Boston, Piersoni, Elegantissima, 5 in. 35c., 6-in. 50c.; Whitmani, 4 in. 15c., 5 in. 25c., 6 in. 50c. each. Cash. H. Madsen, 395 New Bridge st., West Springfield, Mass.

FERNS AND ASPARAGUS

Boston, 3, 4 6 in. at 6c., 12c., and 36c.
Piersoni, 3, 4, 6 in. at 6c., 15c., and 40c.
Whitmani, 2, 4, 6 in. at 10c., 20c., and 60c.
Sprengeri, 2, 3, 4, 5 in., at 2c., 3c., 6c. and 12c.
Smilax, 3 in., 3c.
GEO. M. TODD, GREENSBORO, N. C.

GERANIUMS

GERANIUM—Rooted Cuttings, Nutt and Grant, $1.25 per 100; $10.00 per 1000. Cash.
W. C. MYERS & SONS, SCOTTDALE, PA.

STOCK FOR SALE—Geraniums, Beaute Poitevine, $8.00 per 100. General Grant, Ricard, Nutt, Beauty, etc., $7.00 per 100. All 4-in. fine plants; guaranteed true to name. Alonzo J. Bryan, Washington, N. J.

GERANIUMS—Strong plants from sand or soil, $1.00 to $1.50 per hundred, by mail 30c. additional. Large proportion of Nutt and Buchner, other standards. Would exchange for Carnations or small Palms. Holton's Nursery, McCall Ferry, Pa.

STOCK FOR SALE—Geraniums S. A. Nutt and Double Lobelia, 2-in., $2.00 per 100, Rooted Cuttings, Double Lobelia, Salvia, Zurich, German Ivy Ageratums, Gurney and Cuphea, 75c. per 100. Cash with order. F. A. Ezold, Haddam, Conn.

STOCK FOR SALE

GERANIUMS—Continued

3600 GERANIUMS FOR $100.00.

All 2-in. fine cold grown.

1500 S. A. Nutt
350 Castellane
400 La Favorite
700 Ricard
600 Poitevine
50 Mixed.

All true to name.

Salvia Bonfire from flats transplanted good, $1.00 per 100. 50,000 Smilax, 2¼-in., for June delivery, $12.50 per 1000. Cash with order.

P. J. SCHROEDER,
CHAPIN GREENHOUSES,
PINE BROOK, N. J.

NURSERY STOCK

CLEMATIS PANICULATA, splendid stock and plants, $1.00 per doz., $5.00 per 100, $50.00 per 1000. Large flowering, purple, red, white and blue, $2.00 per 10. F. A. Baller, Bloomington, Ill.

STOCK FOR SALE—Ivy, English, pot grown plants, 4-in. pots, 3 ft. long, 3 to 5 branches, $12.00 and $15.00 per 100. A. L. Miller, Jamaica ave., opp. Schenck ave., Brooklyn, N. Y.

STOCK FOR SALE—Hydrangea arborescens grandiflora alba. We have the largest stock of strong, 2-year plants in America. Plants, 2 to 3 ft., $2.50 per doz., $15.00 per 100, $140.00 per 1000; good plants, 15 to 20 inches, $10.00 per 100. Price list. E. Y. Teas, Centerville, Ind.

BOXWOOD

Boxwood, dwarf. Fine, well furnished, perfect, 2-year transplanted plants, 6 to 10 in., $1.50 per doz.; $8.00 per 100. Packed free. No samples. Guaranteed as represented above. CHAS. BLACK, Hightstown, N. J.

AMOOR RIVER PRIVET—Great Bargain. This is fine, 2-year stock.
6-8 ft., $4.50 per 100, $40.00 per 1000.
4-6 ft. $4.00 per 100, $35.00 per 1000.
3-4 ft. $3.50 per 100, $30.00 per 1000.
Also 1-year stock.
2-3 ft. $2.50 per 100, $20.00 per 1000.
1-2 ft., $2.00 per 100, $15.00 per 1000.
GEO. M. TODD, GREENSBORO, N. C.

CALIFORNIA PRIVET

2 YEAR STOCK, CUT BACK LAST YEAR.

2 to 3 ft., 6 to 7 branches, $2.00 per 100, $15.00 per 1000; 18 to 24 in., 4 to 6 branches, $1.50 per 100, $12.00 per 1000; 12 to 18 in., 3 to 4 branches, $1.25 per 100, $10.00 per 1000. 3 year old, cut back and rooted once, 18 to 24 in., $1.50 per 100, $10.00 per 1000; 12 to 18 in., $1.25 per 100, $8.00 per 1000.

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA

The true large flowering forcing variety, warranted true 2¼-inch pots at $3.00 per hundred, one year field grown strong 12 to 18 inches, $6.00 per hundred, $55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

PALMS

TWO LARGE KENTIA PALMS, 15 ft. in height; beautiful specimens, too large for my conservatory; will sell cheap. T. Kraft, 135 Johnson ave., Newark, N. J.

1000 fresh Palm leaves, $5.00.
10,000 Magnolia leaves, $8.00.
200 pounds Florida Moss, $5.00.
Established 24 years. Cash with order.
VICTOR SCHMELZ & SON,
(R. 2), Sanford, Florida.

PRIMROSES

CHINESE PRIMROSES—4-in., large plants, full of buds and blooms, $8.00 per 100. Primula obconicas, 4-in., large plants, full of buds and blooms, $5.00 per 100. Try them. Alonzo J. Bryan, Washington, N. J.

EASTER PLANTS.

Primula obconica, 4 and 6 in. pots, well flowered, splendid large flowering assortment; strong, well furnished plants, $2.50 to $6.00 per doz.; $15.00 to $40.00 per 100. Acorns, graminens, $8.00 per 100. Flower and shrubs in season. Henry Rudolph, Essex Falls, N. Y. Tel. 6 Caldwell, N. J.

ROSES

FOR SALE—1000 2-in. Mme. Abel Chatenay Rose, the lot for $18.00 cash; first class stock. T. W. Lydecker, Englewood, N. J.

ROSE STOCK.

5000 White Killarney, 2½-in. pots now ready at $8.00 per hundred, $75.00 per 1000. Richmond, Brides, Maids, Chatenay, Golden Gate, Killarney and other standard kinds, $30.00 per 1000. Charles H. Totty, Madison, N. J.

MISCELLANEOUS

ASPARAGUS PLUMOSA PLANTS

2¼-inch ..... $3.00 per 100
4-inch ..... 5.00 per 100

S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia, Pa.

(Continued to page 543)

STOCK FOR SALE

MISCELLANEOUS—Continued

MILLIONS of early vegetable plants for sale, all kinds of varieties; transplanted or not; ready now. Write for prices. Alonzo J. Bryan, Washington, N. J.

PANSIES—Large, transplanted clumps for Easter, starting to bud and bloom, Mitchell's Exhibition, $2.00 per 100. R. Monaghan, Abington, Pa.

VINCA MINOR, the hardy Vinca for cemetery planting and under trees where grass will not grow. Well rooted layers, $1.60 per 100, $10.00 per 1000. E. Y. Teas, Centerville, Ind.

BEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2¼-in. pots, $12.00 per 100, $110.00 per 1000. Bay and Box Trees, in all sizes, pyramid and standards. Write for list. Orchids, largest stock in the country. Ask for prices. Julius Roehrs Company, Rutherford, N. J.

FOR SALE—Princess of Wales Violets. Our strain is the finest to be found in New England; free from disease or spider. Large clumps, $8.00 per 100; strong rooted divisions, $1.26 per 100; $8.00 per 1000. Sweet Hill Greenhouses, Carl R. Lloyd, Prop., Plaistow, N. H.

PALMETTO AND GIANT ARGENTEUIL

ASPARAGUS tied in 26's, 3 years' extra strong, $5.00 per 1000; 2 year, No. 1, much larger than you have been getting, at $3.60 per 1000. No charge is made for packing, can ship at once.
Jos. H. Black, Son & Co., Hightstown, N. J.

FOR SALE OR RENT

FOR SALE—6000 feet of glass with dwelling; no competition, rapid growing trade. A rare opportunity. Dwight Greenhouses, Dwight, Ill.

FOR SALE—Florist store, established 23 years, good locality; does good business. Sell cheap, poor health, must leave the city. Now is the time to buy. Address, E. D., care The Florists' Exchange.

FOR SALE—Florist and seed business, situated near L. I. R. R. Station and Bank, Myrtle Ave. Car Terminal. Plenty of funeral and landscape work. Established 6 years. Will sell before Easter. Price $1000. Address, E. M., care The Florists' Exchange.

FOR SALE—In East Williamsburg, L. I., 2 family dwelling with stable and 4 greenhouses with 6000 sq. ft. of glass; 6 lots, 25x100 ft., and piece of land to hire in rear of property. Place in good condition; convenient to all cars and trains. Estate of Andrew Groll deceased. Inquire of Jacob Amann, Florist, 1702 Metropolitan Ave., Middle Village, L. I., at Lutheran Cemetery.

SUNDRIES FOR SALE

SPHAGNUM MOSS, BEST QUALITY, 10 bales $7.00. Write for special prices on car-lots. L. Amundson & Son, City Points, Wis.

FOR SALE—Ericsson Hot Air Pumping Engine; good as new; price low. Frank W. Patch, Woodside Cottages, Framingham, Mass.

FOR SALE—Best brands greenhouse glass, all sizes at special low prices. Small or large lots. C. S. Weber & Co., 10 Desbrosses st., New York City.

FOR SALE—Two Florists' wagons, one closed and one open. Both in the best of shape. For particulars and prices, address, S. S. Pennock-Meehan Co., 1608 Ludlow st., Philadelphia, Pa.

TOBACCO DUST AND STEMS. Dust in cases, 250 lbs., 3c. per lb.; stems in bales, 200 to 250 lbs., $1.50. Cash with order. Money back if you say so. S. R. Levy, Binghamton, N. Y.

FOR SALE—Second-hand Gorton Round Hot Water Boiler, capacity 6500 feet; 2-in. pipe, 2400 feet; regular greenhouse pipe; in good condition, with all parts. Price very moderate. Can be used for steam. R. C. Vernes, 175 Senator street, Brooklyn, N. Y.

FOR SALE—Three greenhouses at No. 416 Elm Street, Pittsfield, Mass. Glazed with 16x24 A double thick glass; heated with one large 8-section Furman boiler, 2-in. pipe. The drip bars and other material are all of Cypress—just like new. We will sell all or any part of same. Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

FOR SALE—600 boxes 12x20 and 12x16 double thick glass; lot hotbed sash, 16,000 feet of 1-in., 6000 feet of 2-in. and 1½-in., 4000 feet 4-in. Hitchings pipe; 1400 feet ventilating apparatus; 2 Erie locomotive boilers, one No. 6 Lord & Burnham and one No. 17 Hitchings, 2 years old; everything in first-class condition; 10 greenhouses, 20 x 110; complete or in single lots, very cheap. Inspect S. C. Nash Roseries, Clifton, N. J., or inquire Suessermann, 229 Livingston Street, Newark, N. J.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED AT ONCE

10,000 unrooted cuttings of White Perfection, 10,000 unrooted cuttings of Pure White Enchantress, 10,000 unrooted cuttings of Enchantress. WHITE BROS., Gasport, N. Y.

WANTED TO PURCHASE—Close to Boston, a small range of greenhouses with a few acres of land attached, or would consider partnership with another. Am a good grower and thoroughly practical. State terms and full particulars. F. F., Care The Florists' Exchange.

SPECIAL BUSINESS CHANCE

I AM A FIRST-CLASS GROWER of the choicest flowers, plants and fruits, and a hustler. I can place in a business from five to ten thousand dollars, and would like to communicate with another good practical, sober man similarly situated and arrange to go into partnership. Address, E. N., care The Florists' Exchange.

TO NURSERYMEN AND OTHERS

The shade tree commission of the Borough of Rutherford, N. J., invites bids for the supplying of shade trees to be used for planting along the streets of the Borough in the Spring of 1910. Bids must specify the different varieties of trees offered, and prices must cover cost of delivery and planting in such quantities, and at such times and places as may be fixed by the commission. Specifications may be obtained from Mr. W. J. Allen, Secretary, 195 Donaldson ave., Rutherford, N. J., and bids must be lodged with him.

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

We Pay The Freight on cut-flower and design boxes. See our price list on page 541, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.
Box 200 - - - Castorland, N.Y.

Please mention the Exchange when writing.

Providence, R. I.

Wm. Appleton, who has been located at 294 Broadway for the past 25 years, has some 2500 sq. ft. which he uses as display room for his retail trade. Very little stock has been grown here for several years. The principal trade is in funeral work and some good business is also handled in the seed line and landscape jobbing.

The Westminster greenhouses are now run by E. C. Scott, who spent several years with Frank J. Sullivan, the former owner. One house is arranged as an aquarium and fern house and the goldfish trade is a leading feature of this establishment. Considerable stock is grown here in nearly 10,000 sq. ft. Large quantities of Azaleas and bulbous stock are forced.

Thomas Curley has some 10,000 sq. ft. of glass, part of which was recently erected and is somewhat of a novelty in its unique design of fancy carved woodwork and paneled effect. This was formerly a private greenhouse of octagon shape and the effect now produced is that of a number of church windows with the arches and ornaments. Mr. Curley commands a good trade in landscape work. For a number of years, he has had all the work at the Normal School and the State House grounds.

P. K. Sweeney, 560 Broadway, is one of the oldest florists of this town, having been in this neighborhood for 23 years. He was formerly a grower, but is now doing a retail business.

M. Sweeney of Broad and Pine sts. has been here since 1873 and his location opposite Grace Church cemetery secures some excellent funeral work.

Eugene McCarron has a nicely finished store and some 4000 ft. of glass at 398 Hope st. The glass is devoted to the varieties necessary to a retail place and to propagating of nursery stock to supply part of the needs of his growing landscape work. Mr. McCarron has several somewhat originally designed frames made up and one of them—of a standing diamond shape—is becoming very popular.

T. O'Connor has some 150,000 sq. ft. devoted to growing part of the stock used in his store on Westminster st. This range is one of the largest in the country devoted entirely to retail trade. Mr. O'Connor has been located here for 50 years and built one large house last Fall for growing Ferns, Mignonette and Cyclamen.

Geo. Johnson of 521 Elmwood ave. celebrated his 81st birthday on Feb. 5. Practically all his life has been spent as a grower—40 years as private gardener. Since 1883 he has conducted the Elmwood Nurseries, Elmwood ave.

Wm. E. Chappell, 333 Branch ave., has some 6000 sq. ft. of glass devoted to retail trade. Mr. Chappell has one "stunt" in wrapping stems of flowers with tinfoil which would bear copying. He cuts one corner of the foil off in such a manner that when wrapped about the bunch the top folds evenly and the piece cut off is handy for small buttonhole bouquets.

STRATTON'S GREENHOUSE,
C. D. Stratton, Prop. Lancaster, Wis., Feb. 28, 1910.

Aphine Mfg. Co., Madison, N. J.

Gentlemen:—

The "Aphine" purchased through your agents, of Chicago, is certainly O. K. I have had universal success with it both as a spray and as a dip. Have dipped plants in full bloom, such as primulas, cinerarias, roses, etc., with no apparent ill effects on the plants or blooms, but with death to the bugs.

Would like to ask if you would consider it safe to use on edible vegetables such as cabbage, cauliflower, lettuce, etc.?

There ought to be a large sale of "Aphine" when the people become acquainted with it and can be sure of obtaining the results claimed. Yours very truly,

C. D. STRATTON.

See Pages 509 and 513 for other Aphine endorsements.

Please mention the Exchange when writing.

AN UNUSUAL OPPORTUNITY FOR A LIVE FLORIST

The subscriber offers for sale his fully equipped Florist Store and Business, very finely situated in the theatre district of a thriving city in the State of New York; a city with a population of over 75,000. My trade is thoroughly established and the best in the city. This business will net a live man from $50.00 to $100.00 per week. I will sell most reasonably, as I have other business needing my whole time. My store is in every way up-to-date and fully equipped, containing two very large ice boxes, safe and cash register (cash register cost $532.00). The windows are tiled, and everything is finished in white. A good live party can easily get back the price I am asking for this business in a very short time. This is not a run-down place. Address, F. A., care The Florists' Exchange.

Please mention the Exchange when writing.

Carnations

ROOTED CUTTINGS AND POTTED PLANTS
Late March and April Delivery.

	Per 100	1000
ROOTED CUTTINGS		
Enchantress	$2.00	$18.00
White Enchantress	2.00	18.00
White Perfection	2.50	22.00
Lawson Enchantress	2.50	22.00
Mrs. Thomas W. Lawson, from soil	2.00	20.00
POTTED PLANTS		
I. C. Vaughan	3.00	25.00
Viola Sinclair	3.00	25.00
Apple Blossom	3.00	25.00
The above 3 varieties, rooted cuttings	2.50	20.00

Less 3 per cent for cash with order. Quality guaranteed or money refunded.

B. F. BARR & CO., Keystone Nurseries LANCASTER, PA.

Please mention the Exchange when writing.

FOR SALE

RADIATORS Steam, 1½c. per lb.; hot water, 2c. per lb. Guaranteed. All sizes in stock.

BOILERS The following new, round, portable hot-water boilers—guaranteed, 16-in., rated to heat 1,126 sq. ft. of glass, $34.00. 19-in., rated to heat 1,600 sq. ft. of glass, $46.00. 22-in., rated to heat 2,260 sq. ft. of glass, $64.00. 25-in., rated to heat 3,076 sq. ft. of glass, $90.00. Get our prices on second-hand boilers. We have one of the largest stocks of new and second-hand round and sectional hot-water and steam boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 6¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Car load extra heavy iron 2-in. pipe, 20 ft. lengths, weighing 100 lbs., at 6½c. per ft., including threads and couplings, in 1000 ft. lots. Pipe cut to sketch.

PIPE TOOLS Large Stock—All Makes and Sizes—Send for special prices.

STILLSON WRENCHES New, guar. 18 in., capacity 2 in., $1.20. 24 in., capacity 2½-in., $1.80. Flat chain wrenches, No. 9, capacity ¾ to 6 in., $3.86.

GARDEN HOSE In lengths up to 600 ft., with couplings, 60 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 160 lbs. pressure, 9c. 6 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 86c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.66. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.26, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES, All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

The American Florist Directory

The Directory for 1910 is now on sale. Copies can be had at The Florists' Exchange office, or will be delivered postpaid, for $3.00.

Here it is! **Bon Ami** A NEW WHITE CARNATION

Equal in production to the old Queen, with flowers of a far superior quality. An excellent, clean, upright grower, producing no surplus grass. Stem very strong and of good length. Average size of flower, 3 inches. An early, continuous bloomer. **Bon Ami** will prove a good friend to all who will try it. $10.00 per 100, $75.00 per 1000.

GEORGE E. BUXTON, Nashua, N. H.

Please mention the Exchange when writing.

CHRYSANTHEMUMS ROOTED CUTTINGS READY NOW

WHITE	Per 100
OCTOBER FROST	$2.00
ESTELLE	2.00
POLLY ROSE	2.00
ROBINSON	2.00
WHITE CHADWICK	3.00
MERRY XMAS	3.00
YONOMO	2.00
MRS. BUCKBEE	2.50

	Per 100
SNOW QUEEN	$2.50
WHITE IVORY	2.00
C. TOUSET	2.00
YELLOW	
MONROVIA	2.00
ROBT. HALLIDAY	2.50
GOLDEN BEAUTY	2.50
GOLDEN GLOW	3.00

PINK	Per 100
PINK IVORY	$2.00
ROSIERE	2.00
DR. ENGUEHARD	2.00
RED	
INTENSITY	2.00
BLACK HAWK	2.00

WIETOR BROTHERS, 51 Wabash Avenue, Chicago, Ill.

Please mention the Exchange when writing.

Rhododendron Catawbiense

In Car-Load Lots

And the largest collection of

Hardy American Plants

in existence.

Grown at Highlands Nursery, 3,800 feet elevation in the Carolina Mountains, and at Salem Branch Nursery, Salem, Mass.

New Catalogue, beautifully illustrated; also Trade and Surplus Lists, ready.

White Pines, and American Arbor Vitæ in surplus, large sizes.

Harlan P. Kelsey, Owner
Hardy American Plants SALEM, MASS.

Please mention the Exchange when writing.

Plants for Easter

Lilies, 12½ cents per bud and bloom.

Azaleas, 75 cents, $1.00, $1.50 and $2.00 each.

Spiraeas, 50 cents, 60 cents and 75 cents each.

Hydrangeas, Hyacinths, Tulips, Daffodils, etc.

Write for Price List

GEORGE B. HART, 24 Stone Street **Rochester, N. Y.**

Please mention the Exchange when writing.

Baltimore

Walter B. Conroy opened his new store last Saturday, at 518 W. Franklin st. Mr. Conroy was at one time in the employ of the late Mrs. M. E. Stewart, in fact, until her death, when he went with E. Fauth. He is one of the youngest men in the business. In the short time his store has been opened trade has been very good and crowds admired his tastefully decorated window of choice cut flowers and potted plants, arranged in such a way as to catch the eye of the public. He is an energetic young man and no doubt he will make a success, as the location is excellent.

I. Rosinosky was present at the Club meeting and banquet, cracking off his funny jokes.

The Griffith & Turner Co. has secured an extra large order from the park board for thousands of pounds of grass seed.

Club Meeting

The regular meeting of the Gardeners and Florists' Club was held last Monday night in the Club rooms. Being election night and the 25th anniversary of the Club an enthusiastic crowd of members was in attendance. Part of the regular business was transacted. Three new members were enrolled. A parcel post discussion was laid over until the next meeting. Election of officers for the ensuing year resulted as follows: President, George Morrison; vice-president, William Christie; secretary, N. T. Flitton; financial secretary, George Talbott; treasurer, Frederick G. Burger; librarian, C. M. Wagner. From reports submitted the membership of the Club is continually growing, and the Club is in a splendid financial condition.

After adjournment the members proceeded to Schneider's Restaurant, Fayette st. near Liberty st., for the annual banquet. The banquet hall was tastefully decorated with pot plants, and on the tables were large vases of choice Carnations. Covers were laid for about 75 guests and a great feast was soon in progress. Robert L. Graham acted as toastmaster. Among those who responded to toasts were G. Morrison, J. J. Perry, N. Christie, N. T. Flitton, N. Fraizer, G. O. Brown, E. A. Seidewitz, W. J. Johnson, Isaac H. Moss, C. L. Sevhold, P. B. Welsh and Jas. Hamilton.

The topics of most of the speakers were the increase of membership in the Club, and the advancement of horticulture in the State of Maryland. The banquet committee consisted of James Boone and F. C. Bauer.

The Market

The trade realizes that there is a glut of cut flowers now on the market, and the only thing to do is to stand the strain. Stock being overabundant is sold at little profit. I am told the cut stock is decreasing somewhat, and the prospects are encouraging for Easter. There are some complaints as to the Easter Lilies, and it is feared stock will be short. Hyacinths and Tulips will be plentiful, in fact nearly all bulbous stock will come in all right. Some of the retailers are beginning to look up Easter stock, in readiness for the usual rush. Carnations are selling at all kinds of prices, and the street fakirs have them by the thousands. Roses are coming in heavier. Southern Jonquils are a glut, selling at 5c. a dozen. Bulbous stock is coming in large quantities. Callas, from indications, will be in well for Easter as well as Sweet Peas. Pot plants are in about the usual supply, and a little slow in moving. Greens are scarce and some are shipped from out of town here. Violets are still plentiful and find ready sale.

Different reports concerning the retail trade conditions are received. Some of the retailers claim business is excellent, while others are finding it slow. The Lenten season helps to decrease business somewhat and the abundance of cut flowers on the streets takes many an order from the stores. One of our retailers had a customer call the other day for Carnations, and his price was 50c. a dozen, made up in the usual way; the customer was somewhat surprised and politely told him she could buy them on the street for 12c. a dozen, and an order was lost.

GRAND RAPIDS, MICH.—Wencel Cuskerski, former superintendent of city parks, is completing his new greenhouses at West Fulton st. and Valley ave. and will have an opening on Easter.

KNOXVILLE, TENN.—A disastrous fire, thought to have been of incendiary origin, destroyed the grafting house of the Knoxville Nursery Co., nine miles west of this city, at midnight, Mar. 7, with a loss estimated at $35,000, only partially covered by insurance. As a result of the fire, fifty men will be thrown out of employment. The plant will be rebuilt at once.

CINCINNATI, O.—On December 6, 1908, there was a break in the water mains on Madison road, near Oakley, and the water was shut off at a point which affected the supply to George & Allen's greenhouses. The result was that no water could be secured for the boilers and the heating plant was ineffective. The weather was cold and flowers and plants for the Christmas trade were frozen. George & Allen sued the city, asking for $5,695.57 damages. The case was tried before Judge Cushing and a jury, and a verdict was returned last week awarding the complainants $1,065 damages.

A Matter of Mind

HENRY.—"James, can you, an intelligent youth, tell me the difference between a gardener, a billiard-marker, a gentleman, and a verger?"

JAMES.—"I cannot, Henry; all men are liars—is there any difference?"

HENRY.—"You shock me. Certainly there is a difference. A gardener minds his peas, a billiard-marker minds his cues, a gentleman minds his p's and q's, and a verger minds his keys and pews."

GERANIUMS

S. A. Nutt, 4-in. in bloom, $9.00 per 100. Castellane, 4-in., in bloom, $9.00 per 100. SALVIA Bonfire and Splendens, Rooted Cuttings, 75c. per 100, $7.00 per 1000.

The following April 4 delivery: S. A. Nutt, $1.00 per 100, $10.00 per 1000. Ricard, $1.25 per 100, $11.00 per 1000. Castellane, $1.25 per 100, $11.00 per 1000. Buchner and La Favorite, $1.00 per 100, $10.00 per 1000.

Less 3 per cent for cash with order. Stock guaranteed, or money refunded.

B. F. BARR & CO., Keystone Nurseries LANCASTER, PA.

Please mention the Exchange when writing.

Palm Leaves, $5.00 per thousand
Magnolia Grandiflora Leaves, $8.00 per ten thousand
Florida (gray) Moss, 200 pounds for $5.00.
Cash with order. 24 Years' Experience
VICTOR SCHMELZ & SON, R. 2, Sanford, Florida

Please mention the Exchange when writing.

EDWARD C. HORAN

Wholesale Florist

55 West 28th Street
NEW YORK

Tel. 1492 / 1493 } Madison Square

Please mention the Exchange when writing.

St. Louis

H. Dichman of Kirkwood is building two new greenhouses 25x200. Mr. Dichman is a new man and will grow Carnations, Sweet Peas and Violets for this market.

Ostertag Bros. had a great many floral decorations to make last week in the Coliseum for the different exhibitors at the big Household exhibition which took place there.

Miss Tillie Meinhardt had charge of the big floral booth in the Coliseum for the Household exhibition last week; she says cut flowers sold well.

A. G. Fehr of Belleville, in company with his wife, spent last Friday in the city buying supplies; Mr. Fehr reports a good trade.

Henry Lorenze, proprietor of the Park Floral Co., is back attending to business after a spell of sickness lasting several weeks.

There was quite a large attendance at the lectures on farming given by Prof. W. H. Chandler and Dr. J. C. Whitten at the Y. M. C. A. rooms on Grand ave.; the lectures were on truck gardening and orcharding and free to the public.

L. N. Van Hook of Ferguson, Mo., died last week; he was a grower of Carnations and Violets. The florist business was a side line for him as he was secretary and treasurer of the St. Louis Cotton Exchange. Mr. Van Hook was a member of the Florists' Club and leaves a wife, son and daughter; also a host of friends in the trade to mourn his loss.

The Tingley Seed Co. are now located next door to the St. Louis Seed Co. at 4th and Lucas ave. Both firms say they have been very busy all of last week. The St. Louis Seed Co. have an extra force working.

Elberon (N. J.) Hort. Society

The Elberon Horticultural Society held a regular meeting March 7, President Peter Murray was in the chair and there was a good attendance. A. Bauer read a paper on "The Culture of Bulbs," which was very interesting. Quite a discussion took place after the reading. Mr. Bauer also displayed a very fine collection of bulbous plants, which was awarded a cultural certificate. The novelties in the Tulips were much admired; the best ones shown were Queen of the Netherlands, delicate pink; Flamingo, dark pink; Pink Beauty, Tournesol, double yellow; Van Del, a magnificent single white, the best of the lot. The bulbs were supplied by Stumpp & Walter Co. The following points were awarded: Wm. Seymour, White Enchantress, 90; Peter Ewen, Dracæna, 90; A. Bauer, Antirrhinum, 90. The next meeting will be Rose night.

ALEX. FLEMING, Rec. Sec.

Firms Who are Building

POMFRET CENTRE, CONN.—Robert Rust is building an addition to his greenhouse.

CONCORD JUNCTION, MASS.—Leonard Cousins will erect a new greenhouse as soon as the weather permits.

GLOVERSVILLE, N. Y.—Thomas Barson comtemplates making an addition to his greenhouses on North Perry st. The addition is to be as large as the present structure.

AURORA, ILL.—The Batavia Greenhouse Co. has announced plans for a big branch establishment to be erected at Garfield ave. and Harrison st., Batavia. The company's business has grown enormously the past year at the small plant located at South Batavia ave. and Main st., and an extensive addition has already been made this Spring to the office building. The new plant is to consist of 50,000 ft. of glass.

THE third edition of our Design Book is now ready to be mailed out to purchasers. It has been thoroughly revised and greatly improved and is easily worth Ten Dollars a copy to any one with a Retail Trade. Sixteen pages have been added, older designs eliminated and many new and beautiful suggestions incorporated.

The Florists' Exchange Design Book

HANDSOMELY PRINTED ON ENAMELED STOCK, AND CONTAINING 80 PAGES,

SIZE 9 x 12 INCHES, WITH STRONG PAPER COVER.

The work contains a reproduction of some 216 Designs, such as:
Bridal Bouquets, Broken Columns, Christmas Wreaths and Baskets, Easter Baskets and other Easter Designs, Casket Covers, Gates Ajar, Floral Chairs, Harps, Horseshoes, Lyres, Pillows, Easels, Panels, Anchors, Wreaths in great assortment, Standing Wreaths, Standing Crosses.

Miscellaneous Designs in quantity, including Decorated Automobiles, Railway Designs, Flags, Ships and Steamers, Shields, Broken Wheels, &c., Emblems, Table, Mantel and Mirror Decorations and Christmas and Church Decorations.

Page 80 shows forms for Masonic, Fraternal and other Orders, for which wire designs are kept in stock by the supply houses.

TERMS OF SALE

The Florists' Exchange for two years and one copy Design Book, $2.50, delivery prepaid. This offer is open to new subscribers or to renewal subscriptions. One copy of the Design Book to present subscribers for 75c., delivery prepaid. No copies obtainable except as above. Money refunded if book is not satisfactory to purchaser.

Only one copy can be supplied at the 75c. rate. Subscribers desiring more than the one copy can secure them at the rate of $1.00 each, postage prepaid.

Handsomely and durably bound, in stiff board covers, with 32 blank leaves for pasting in clippings of other designs, at One Dollar additional to above prices.

All prices include delivery prepaid.

The Florists' Exchange, P. O. Box 1697, New York City

For Cut Flowers

All Varieties, and in Any Quantity

ROSES, American Beauties, Bridesmaids, Brides, Richmonds and Killarneys. **VIOLETS, ORCHIDS, LILIES, LILY OF THE VALLEY, CARNATIONS, BULBOUS STOCK,** Etc. : : : :

Try, Horace E. Froment

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Wholesale Florists

130 Livingston Street, BROOKLYN, N. Y.

Our Specialty

Out of Town Orders

For **EASTER** we will have Lilies, Roses, Carnations, Sweet Peas, Mignonette, Valley, Lilacs, Violets and Bulbous Stock of all kinds. *Consignments Solicited.*

Please mention the Exchange when writing.

A Full Line of All Seasonable Choice Cut Flowers

AMERICAN BEAUTY and all other ROSES. CARNATIONS, VIOLETS, LILIES, Etc.

We Have a Fine Lot of
WHITE VIOLETS

Ford Brothers

Wholesale Florists

48 W. 28th Street, New York

Phones 3870-71 Madison Square

Please mention the Exchange when writing.

EASTER—EASTER

EASTER LILIES (in pots) $12.50 per 100

ROSES—American Beauties, Brides and Bridesmaids, Richmonds, Killarneys, Pink and White, Marylands.
CARNATIONS, LILY OF THE VALLEY, TULIPS—La Reine and Murillo.
DAFFODILS and JONQUILS—best varieties, SINGLE and DOUBLE VIOLETS, CUT EASTER and CALLA LILIES, PANSIES, SWEET PEAS, MIGNONETTE, MARGUERITES.
SMILAX, ASPARAGUS—Sprengeri and Plumosus, CROWEANUM FERN.

BEST QUALITY FLOWERS AT THE LOWEST MARKET PRICES

We also carry a full line of Florists' Supplies and Hardy Cut Evergreens, such as Dagger and Fancy Ferns, Bronze and Green Galax, Cut Boxwood Sprays, Festooning and Branch Laurel, Leucothoe Sprays, Green and Sphagnum Moss, also Southern Wild Smilax.

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We Never Disappoint. Satisfaction Guaranteed. Orders placed with us mean that you can depend on us.

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DON'T WORRY

But if you expect to handle any good trade this Easter be sure and look this over. We are handling the finest and largest stock of ***My Marylands, Chatenay, 'Maids*** *and* ***Brides*** *of any individual house in the city.*

We can furnish you with ***Cattleyas*** *in any quantity at short notice. (That's our long suit.)*

CARNATIONS

Ours are of the ***GOOD KIND.*** *All the leading prize winning varieties and every bunch a prize winner in itself. We have plenty of them. That's the kind of stock for you to buy. It will make you money and a reputation.*

Valley, Sweet Peas, Violets, Tulips, and all Spring Stock

SEND FOR PRICES

Traendly & Schenck

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WE WILL HAVE

FOR EASTER

100,000 LILIES

THE FINEST IN THE MARKET

White and Pink Killarney, Marylands, Brides, 'Maids, Orchids, Carnations, Violets and Every Other Seasonable Cut Flower

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GROWERS' CUT FLOWER CO.

J. J. COAN, Manager

Cut Flowers at Wholesale

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We Are Headquarters for the Product of the

Hubert Bulb Co.

of Portsmouth, Va.

We also solicit consignments of A1 stock only

Moore, Hentz & Nash

Wholesale Florists

55-57 West 26th Street

New York

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On the Basis of Square Dealing We are Building our Reputation

WE HAVE for EASTER, 1910

Lilies, Roses, Carnations Valley, Violets and Bulbous Stock

In all grades of the finest quality. Our prices are as low as first class goods will permit

GIVE US A TRIAL

GREATER NEW YORK FLORIST ASSOCIATION, INC.

Wholesale Commission Dealers in Cut Flowers and Supplies

162 Livingston St., BROOKLYN, N. Y.

GEORGE W. CRAWBUCK, Manager

☛ Growers will find it to their advantage to ship to us

Prompt payments and returns

An excellent market for KILLARNEY ROSES

Please mention the Exchange when writing.

New York

The Wilson-Hoyt Co., of 1 Madison ave., manufacturers of greenhouse cement benches, is more than pleased with the outlook for the coming year. The forms for cement benches, which the company supplies to florists who build their own benches have been much in demand, so much so that several additional sets of forms are being made. Florists having benches recently completed by this firm are S. Lum, Chatham, N. J., four benches 150 x 4 ft.; Hy. Hentz, Madison, N. J., eight benches, 170 ft. long; Godfrey Martin, Arlington, N. J., five benches 96 x 5½ ft.; Chas. Weber, Lynbrook, L. I., 10 benches, each 96 ft. long. Orders for the forms have been received from Canada as well as many points in the western States, and it is the intention of the company to establish branch offices in other large cities, as soon as the required additional forms for benches can be built.

David Mackenzie, the well known grower who has charge of the establishment of the late John Scott at Flatbush, is very pleased with the result of his efforts to secure a goodly number of flowering plants for Easter. His Hydrangeas, Ramblers, Baby Ramblers, Spiræas, Ferns and other plants all show Mackenzie form. Owing to the short space of time in which to perfect multiflorum and giganteum Lilies from the time of receipts of bulbs till now, the Lily plants have not been so successful this season, which, of course, is not the fault of the grower.

The Growers' Cut Flower Co. of W. 28th st., through the efforts of Manager Coan, has secured the store at 41 West 28th st., and will occupy the same during the rebuilding of the structure wherein the company is now located. Occupancy of the new quarters will not be taken until after Easter.

A. Demeusy of Flatbush, whose place is well known for its cleanliness and system, has had fine success with all his Carnation plants this season. He speaks well of the iron gutters used in the two new houses erected last year, and says it is the only gutter for a florist to use. He contemplates repainting his entire range of houses this Summer and hopes to get through the work in good time, so that he and his family can attend the convention at Rochester, N. Y.

The plants used to decorate the tables at the Yonkers Horticultural Society's dinner, last Thursday were grown from seed secured from Boddington's Seed Store. Cyclamen and Primula were mostly used, and the plants were much admired for their color, size of bloom, and foliage.

John Young, F. R. Pierson and E. Dailledouze left New York on the 20th Century train last Friday, March 11, for Rochester, N. Y., at which place the executive board of the S. A. F. has been in session discussing plans for the coming convention. While there the board was the guest of the Rochester Florists' Club at its second annual banquet given March 14.

Bonnet & Blake of Brooklyn are making a specialty of catering to the wants of out-of-town customers. This firm is daily receiving large quantities of home grown Daffodils, besides Carnations, Violets, Valley and other seasonable stock.

The popularity of G. W. Crawbuck, manager of the Greater New York Florists' Assn., is responsible for the increased sales in every department of the Association's business. Violets, Roses, Ferns and florists' supplies have received a general boost in the right direction the past few weeks.

G. Messenberg of Lenox road, Brooklyn, has been successful in growing a fine lot of flowering plants, especially Queen Alexandra Marguerites, Genistas, Deutzias, Primulas, Azaleas, etc., all of which are timed about right for Easter.

Moore, Hentz & Nash, in the Coogan Building, are headquarters for the bulbous products of the Hubert Bulb Co., Portsmouth, Va. The firm is again handling German Iris from Wm. Bleuthgen, Hudson Heights, N. J. They are extra fine and of purple and lavender colors.

The Growers' Cut Flower Co. will handle many thousand Lily flowers in the next few days, and their stock is A1. Roses, Carnations and Violets are also leading features of the house.

Ford Bros. will have a fine supply of American Beauty Roses and white Violets for Easter, as well as all other seasonable stock.

E. C. Horan is offering to growers choice young stock of American Beauty Roses, cuttings which were taken from clean, healthy stock.

Callas and all kinds of bulbous stock can be secured from Phil Kessler, in the Coogan Building.

Traendly & Schenck are featuring Carnations for their Easter trade. Orchids and other seasonable stock also form part of the firm's offerings.

Kessler Bros., W. 28th st., are prepared to handle an extensive plant business this Easter. They are making a specialty of Bougainvillea plants of many sizes, in full bloom. Hydrangeas, Daisies, small table Ferns and other plants offered by them should prove money-makers to those handling them. An extensive business is done by the firm in loaning Palms to florists and store men for all decorative purposes.

Henshaw & Fenrich will be able to take care of all orders for Violets and Sweet Peas, these articles being specialties with the firm, and handled by them in very large quantities. The increase in shipping orders for these two articles steadily continues.

James McManus says he will have enough white and yellow Daisies, Wallflowers, Orchids, Gardenias, etc., for all comers.

H. E. Froment is offering American Beauty and Tea Roses, Lily of the Valley, Carnations and other seasonable stock in any quantity and of the best quality.

The New York trade was well represented at the banquet of the newly formed Yonkers Horticultural Society, held at the Park Hill Inn, Yonkers on Thursday evening, March 10, a report of which appears elsewhere in this issue. Arthur T. Boddington presided as toastmaster, and his introductions of the different speakers were both clever and witty. H. A. Bunyard made what he termed his "maiden" speech, after an introduction as one who "belonged to about every society on the globe and the Sweet Pea Society." Al and Wm. Rickards, introduced as "Sons of Thespis" lived up to the relationship with some capital songs. The Society already boasts of 80 members and President Bennet hopes to extend the membership to 200 within a year.

Visitors on Wednesday were Mr. and Mrs. W. J. Palmer and Mr. and Mrs. W. F. Kasting of Buffalo; Peter Crowe of Utica, N. Y.; Richard Vincent, Jr., White Marsh, Md.

NEW YORK, March 16.—Conditions in the cut flower market have changed for the better, and a livelier feeling prevails. The demand for all kinds of flowers has increased, and this with the shortening up of supply has enabled better movement of stock in all lines to be made. American Beauty Roses are scarce, and the demand is good; top grade flowers average 60c. Tea Roses of all varieties are moving better, with good demand for white. Short stemmed stock cleans up well daily, although no fancy prices are secured. Carnations have sold well, and efforts to increase the prices on them were partly successful. White was in good demand this week, best quality stock reaching $4. This was on acount of their being wanted for St. Patrick's Day. Other grades sold at $1.50 to $3.

Good Cattleyas are scarce, and realize stop prices. Cattleya Schrœderæ seems to be plentiful, and sells at prices ranging from $2.50 to $5 per dozen.

Lilies are plentiful. The bulk of stock is being offered at $6 to $10 per 100. Many flowers have short stems, a condition which seems to prevail. Callas hold their own, and quality is good. Gardenias are not moving very freely. Violets have been very poor the past few days, so that good prices have been hard to secure, the range of prices is from 20c. to 40c. per 100. Good stock is in demand.

—FOR— EASTER

10,000 Lily of the Valley

25,000 Killarneys

50,000 Carnations

100,000 Violets

20,000 Cut Lilies

50,000 Yellow Narcissus

Other Flowers in Stock.

LILY PLANTS shipped in crates of 25.

WE FILL ALL ORDERS.

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WHOLESALE FLORISTS Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial

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Sweet Peas have improved in quality and large quantities are being received. Varying prices make regular quotations difficult, as the flowers are coming in so many grades. Lily of the Valley is also quite changeable in price, top grade flowers selling for $3; the majority of sales are made at $2 to $2.50 per 100. Asparagus and Smilax move well, and more could be used if shipped in. Bulbous stock of all kinds is moving quite freely.

PHILADELPHIA, March 14.—During the past few days quite a little activity has been noticed in the cut flower market, and better clearances have been possible in all lines although no advance in prices has been made. The outlook for the next few days is brighter, and it is hoped that as soon as strike troubles are settled, business will rapidly gain its normal state.

American Beauty Roses are still quite scarce, and will be for the next two or three weeks; top grade flowers realize 75c. each. Other grades also realize good figures, according to quality. Tea Roses are plentiful, and white seem to clear up more quickly than pink, while best Richmond realize from 18c. to 25c.; the latter, of course, are used in place of Am. Beauty, but good quality flowers only bring the top price. Special white Roses are held at 10c. to 15c., and a good demand is felt for short stemmed Roses of all colors.

Orchids are heavier in supply than the demand calls for, consequently prices remain about 40c. to 50c. each. Gardenias also are plentiful and sell at from 50c. to $3 per doz.

Carnations are very plentiful, and a good demand is noticed for white, on account of their being secured for dyeing, for March 17. Prices for general stock are still low, especially for pink, 50c. to $1.50 per 100 being the rule. White Carnations sold better, in lots, at $1.50 to $2, but this was only for fresh stock. Street fakirs handled thousands of Carnations, to the relief of the many ice-boxes, last Saturday, most flowers selling at very low prices.

Lilies have shortened up in supply and it is expected that prices will reach 10c. to 12c. for good flowers at the week end. Many poor flowers are being received which are hard to move. Violets continue in good demand, although the quality is poor; first-class flowers realize 60c. per 100, those of questionable age bringing anywhere from 30c. to 40c. per 100.

Tulips and Daffodils are plentiful and are hard to move, except at bargain prices. Sweet Peas continue to be called for, and good stock is somewhat scarce. Asparagus and Smilax are in very good demand, and much more could be used if obtainable. Smilax at this writing is selling at 20c. and 25c. per string, and of poor quality. Lilac is still in good demand, and is sold at prices ranging from 50c. to $1 per bunch.

BOSTON, March 15.—There are great quantities of flowers in the market and prices have dropped somewhat, but on the whole the market is not too bad. Carnations are very plentiful and prices are lower, except for whites which are in demand for St. Patrick's Day.

Roses are not as plentiful as Carnations, but there is a decided better supply than there was two weeks ago. American Beauty are in good demand and are still bringing good prices. Killarney, White Killarney, Richmond, My Maryland and Bon Silene, are all holding their own well, taking everything into consideration.

Bulbous material seems to be more plentiful each week, and prices now are very low. English Primroses, Wallflowers, Ixias, and Gladiolus are becoming quite plentiful, and the prices are satisfactory. Sweet Peas are in great quantity now and prices are low, except for extra quality. Lily of the Valley is plentiful and moves slowly. Cattleyas still bring good prices, but are not quite as plentiful now. Dendrobiums are abundant and prices good. Adiantum Croweanum is still scarce. Asparagus Sprengeri and plumosus are more plentiful now, and prices are good. Plants in pots seem to be very plentiful and indications are that they will have a large sale at Easter. Shamrocks are in good demand, selling from 3c. to 5c. for small pots. R. C.

CHICAGO, March 15.—Contrary to last week, stock is moving nicely and there is very little surplus in any line. White flowers are still in greater demand than any other, but this is on account of the amount used for dyeing for St. Patrick's Day. Roses have eased up to some extent; the only color that seems to hang at all is pink, of which there are quantities of good stock. Other Roses are disposed of as soon as displayed. Prices, however, remain about the same as quoted last week.

Carnations have stiffened, in all colors, and prices have advanced half a cent on colored stuff, while white is commanding 3c. and 4c. at the present time. These prices are likely to continue on account of the close proximity of Easter. The prospect for Easter is very encouraging; the amount of shipping orders booked is a guarantee of good business. Lilies are the one article on which it is impossible to give any definite information as to whether there is going to be a sufficient supply for the demand or not. The outlook for plant Lilies is that the plants will be mostly dwarf, as there seems to be very few tall ones available. It is also likely that the cut blooms will all be of short lengths. Callas continue in good form and at present they are not in great supply, due probably to growers holding stock back as much as possible. Lily of the Valley is to be had in good quality, and there is ample quantity. The supply of Tulips has slackened most perceptibly and there are very few to be found on the market at the present writing, although it is stated that the crop coming on for Easter promises to be fine. There are plenty of Daffodils, price ranging from $1 to $2 per 100, with some real fancy stock commanding 3c. Sweet Peas are not quite so abundant so move better. Violets still drag, although many are being used up for funeral designs, their cheapness making them desirable for such work.

Orchids are holding their own, although the demand is lighter. These flowers are being held over for the Easter trade for which there are many orders booked.

All miscellaneous stock is looking fine and while not quite so much in demand as the staple varieties of flowers, it is being used extensively for window displays. Green stock is in brisk demand, and all sorts are sought after.

ST. LOUIS, March 14.—The cut flower trade of last week was fairly good among the retailers throughout the city. While we say good, it was by no means rushing, and the bulk of the work was funeral designs. Outside of this, nothing much was going on. The expected glut at the commission houses did not come, and only Violets and Carnations were there more than the commission men could handle. Violets brought from $1 to $2 per 1000; all of these come from Kirkwood. Carnations, too, were more than could be sold at from $1.50 to $2 per 100. Roses run from $3 to $8 per 100 and are becoming more plentiful each day. Long American Beauty Roses, too, are more plentiful than for sometime back, at $4 to $5 per doz. for long fancy.

In bulbous stock, there are plenty of Von Sion Narcissus, Tulips and Dutch Hyacinths, at $3 to $4 per 100; Callas and Harrisii Lilies at $12.50 to $15 per 100. Callas are more plentiful than the Lilies. Roman Hyacinths and Paperwhite Narcissus sell for $2 to $3 per 100. Lily of the Valley at $3. Sweet Peas sell at 35c. to 50c. per 100. In greens, the market has plenty.

The outlook for Easter is good, as plants at the different large establishments are looking well and the growers say that if this fine weather keeps up for any length of time, everything in season will be plentiful at Easter. ST. PATRICK.

INDIANAPOLIS, March 14.—A general clearance was effected through last week by means of a liberal supply of funeral work and counter trade which was much improved by bright, warm weather. The price of flowers, because of the heavy increase in bulbous stock, had, if anything, a downward tendency. This will, no doubt, be more than regained in a short time because of the closeness of Easter. Spring plant decorations, while not so profuse as they might be, are plentiful enough, and while this end of the business is certainly not the most profitable there are no complaints heard.

A large number of Roses have been disposed of lately as the quality remains very fine. Bride and Bridesmaid show that they have not lost out entirely in the race, and are selling readily at $6 to $8 a 100 for select stock. The Killarneys are bringing $6 to $10 as are Richmond. Am. Beauty are received in fine condition at $5 to $35. The outlook for the coming holiday is most promising.

St. Patrick's Day calls for little else than green Carnations in this vicinity. The price is $1 per dozen. Novelties, such as are displayed by Eastern firms, are interesting but hardly profitable in Indianapolis.

Some of the growers are already reporting an off crop in Carnations and the result is easily noted in the markets. Prices for good stock range from $2.50 to $4, common grades moving slowly at $1.50 to $2.

Spring flowers, as Lilies, Magnolias, single Violets, and Heliotrope, receive a steady call from the best class of trade. Sweet Peas are a most staple article in many beautiful colors at 60c. to 75c.

Reports from Easter Lily growers are much more optimistic than those of a month ago. There will probably be more than enough to go around at $12.50 per 100. This price is current at present, for these, as well as Callas. If quality and beauty count in the flower business the conservatory should, at this time, receive especial attention from flower lovers, as the supply is certainly all that could be requested of nature. Rhododendrons, Azaleas, Spiræas, Acacias, Cinerarias and Roses show a magnificent wealth of color, and are indicative of what is in store for Easter.

Tomlinson Hall market enables the growers to rid themselves of much at good prices. The shop men, in particular, have been good customers of late and little of the fancy stock remains for the retail buyers. I. B.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager Consignments Solicited
39 West 28th Street, Telephone 6237 Madison Square NEW YORK

Please mention the Exchange when writing

As at all other times, everything here of the best for
EASTER
The finest VIOLETS in any quantity for local or out of town trade
Headquarters for Sweet Peas
Henshaw & Fenrich
WHOLESALE FLORISTS
51 West 28th Street,
Phones 325-5582-5583 Madison Sq. New York

Please mention the Exchange when writing.

1887 J. K. ALLEN 1910
New York's Oldest Established Wholesale Florist
EASTER Will find me prepared to fill your wants in Lilies, Roses, Carnations, Valley, Tulips, etc., of the best quality obtainable.
Let me hear from you. Price List on application. Consignments Solicited.
PHONES 167 Madison Square, 4468 Madison Square
OPEN 6 A. M. DAILY
106 West 28th Street, NEW YORK

Please mention the Exchange when writing.

C. BONNET G. H. BLAKE
BONNET & BLAKE
Wholesale Florists
130 Livingston St., BROOKLYN, N. Y.
Telephones: 1293-1294 Main
We solicit consignments of cut flowers, especially of good ordinary carnations; prompt returns and payments. Out-of-town orders carefully attended to. Give us a trial.
Please mention the Exchange when writing.

CUT FLOWER EXCHANGE
Sixth Avenue and 26th Street
COOGAN BUILDING, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary
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Wholesale Florists
48 WEST 28th ST., NEW YORK
Telephone, 3870-3871 Madison Square
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GREATER NEW YORK FLORIST ASSOCIATION, Inc.
Wholesale Commission Dealers in Cut Flowers and Supplies
162 LIVINGSTON STREET, BROOKLYN, N. Y.
GEORGE W. CRAWBUCK, Manager
Please mention the Exchange when writing.

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
110 West 28th Street
Phone, 861 Madison Square NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888
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WILLIAM H. KUEBLER
Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby Street
Tel. 4591 Main BROOKLYN, N. Y.
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Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
55 West 28th Street, NEW YORK
Telephones 4626, 4627 Mad. Sq. Established 1891.
Please mention the Exchange when writing.

GEORGE SALTFORD
Wholesale Florist
CONSIGNMENTS SOLICITED
13 West 28th Street, New York
Telephone: 3393 Madison Square
Please mention the Exchange when writing.

Please mention the Exchange when writing.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 753 Mad. Sq. 42 W. 28th St., New York.

B. S. Slinn, Jr.
WHOLESALE FLORIST
55 & 57 West 26th St., New York
VIOLETS CARNATIONS AND ROSES
Shipping orders receive prompt attention
Telephone: 3864 Madison Square

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
44 West 28th Street, New York and Cut Flower Exchange
TELEPHONES: 798 AND 799 MADISON SQUARE
CONSIGNMENTS SOLICITED

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID

PHILIP F. KESSLER Commission Dealer in Cut Flowers
Open from 5. a. m. to 6 p. m. Sundsy till 10 a. m.
55 & 57 W. 26th St., New York City
FISCHER'S PURITY **FREESIAS** Grown by Mathews of Great Neck, L. I.
Tel. 5223 and 2921 Mad. Sq. Res., 345 J. Newtown. FINEST LILIES IN THE MARKET EVERY DAY IN THE YEAR

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, March 16th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—		CARNATIONS—	
A. Beauty fancy—special	30.00 to 60.00	Inferior grades, all colors	.50 to 1.00
" extra	20.00 to 30.00	White	1.00 to 2.00
" No. 1	12.00 to 20.00	Standard Varieties Pinks	1.00 to 2.00
" No. 2	8.00 to 12.00	Red	1.00 to 2.00
" No. 3	3.00 to 8.00	Yel. & Var.	1.00 to 2.00
Killarney	2.00 to 8.00	*Fancy (* The highest grades of Sta'd varieties) White	2.00 to 4.00
White Killarney	2.00 to 8.00	Pinks	2.00 to 3.00
My Maryland	2.00 to 8.00	Red	2.00 to 3.00
Richmond	4.00 to 15.00	Yel. & Var.	2.00 to 3.00
Mme. Abel Chatenay	2.00 to 8.00	Novelties	3.00 to 4.00
Golden Gate	2.00 to 8.00	Gardenias, per doz.	.50 to 2.00
Bride, Maid, fancy—spec.	5.00 to 8.00	Lilac, per bunch	.35 to .75
" extra	4.00 to 6.00	Lilies, Harrisii and Longi.	5.00 to 10.00
" No. 1	3.00 to 5.00	Lily of the Valley	.75 to 2.50
" No. 2	1.00 to 3.00	Mignonette, per doz.	.40 to .75
Adiantum	1.00 to 1.50	Narcissus	1.00 to 2.50
Croweanum	.... to 1.50	Orchids, Cattleyas	25.00 to 40.00
Antirrhinum (per bunch)	.25 to .50	Cypripediums	8.00 to 12.00
Asparagus, cut strings	25.00 to 40.00	Dendrobium Formosum	25.00 to 40.00
Plumosus, bunches	15.00 to 30.00	Pansies, per doz. bunches.	.25 to .50
Sprengeri, bunches	15.00 to 30.00	Poinsettias per doz.	.... to ....
Bouvardia	2.00 to 3.00	Roman Hyacinths	1.00 to 2.00
Callas	6.00 to 10.00	Smilax (per doz. strings)	1.50 to 2.00
Daffodils	.75 to 2.00	Stevia, per bunch	.... to ....
Daisies	.75 to 1.00	Sweet Peas, per doz. bun.	.50 to 1.00
Ferns, per 1000	.75 to 2.00	Tulips	.75 to 2.50
	.... to	Violets, single	.25 to .40
	.... to	" double	.25 to .40
			.... to ....

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST. NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1998 Madison Square
JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

Philip F. Kessler
FOR
EASTER
The finest
Lilies and **Callas**
in the New York market
Will have **Freesias** all March and April
Commission Dealer in
CUT FLOWERS
55 & 57 West 26th St.
New York City
Tel. {5223 / 2921} Mad. Sq. Res., 345 J. Newtown
Please mention the Exchange when writing.

We Offer for
EASTER
A Fine Lot of
CHOICE SELECTED PLANTS
Consisting of
AZALEAS
HYDRANGEAS
LILIES
DAISIES
SPIRAEAS
PRIMULAS
FERNS for FERNERIES
AND MANY OTHERS

A Grand Display of
BOUGAINVILLEA
All Sizes

PALMS to loan for all occasions
A glance at our stock will convince you
KESSLER BROS.
WHOLESALE PLANTSMEN and FLORISTS
50 West 28th Street, NEW YORK
Phone. 2336 Mad Sq.
Please mention the Exchange when writing.

Boston

In a recent visit to John McKenzie's greenhouses, North Cambridge, I saw a large house of Azaleas that will be in perfect condition for Easter. His houses of Easter Lilies look very well and most of them will be in good flower for his Easter trade. A house of Carnations carried a splendid crop. While there he was busy packing a large order of Easter plants to be shipped to Florida. He ships heavily to other States outside of Massachusetts, the city of Portland, Me., having some of his best customers.

E. J. Harmon of Portland, Me. was in town this week buying large supplies of Easter plants from many of the Boston growers. His flower store in Portland is as well equipped and as fine a store in all respects as any in New England.

Geo. M. Stumpp of New York was a visitor this week, and visited some of the leading commercial plant growing establishments in this vicinity. He was much pleased with Mr. Roland's place at Nahant, and considered his plants of exceptionally high quality. We think around the Hub that there are very few men in the country that can beat Mr. Roland in plant growing.

Callistemon speciosus, the Australian bottle brush, is spoken of very highly as an attractive Easter plant. Its curiously shaped flower heads are very interesting and well-flowered specimens make an attractive card at this time in any retail florist's window. W. W. Edgar Co. of Waverly are shipping two finely grown and well-flowered specimens to Mr. Harmon, Portland, Me.

Now when the snow is gone and pruning is the principal outdoor work, we can see more easily the damage done to trees and shrubs by the December snowstorm. Shrubs which suffered the most are Lilacs, Honeysuckles and Hawthorns. However, the loss is not as serious as we anticipated it would be.

Some fine specimens of Erica melanthera are to be seen in the retail store windows. This heath is the best and easiest of this genus to grow in our climate. Others which should do well are Erica arborea, E. urceolata with pure white flowers, and E. Medel with purple flowers. E. melanthera makes a very satisfactory house plant. If it is put in a cool window or room it will last in blossom for some time. Cut sprays last well and are very satisfactory. The best plants seen around come from Thomas Roland.

There is quite a demand arising for uncommon kinds of plants and flowers among the cultured people of the city, and one florist's window on Park st. contains new kinds of flowers and plants continually. This week the fragrant Osmanthus fragrans was prominent by a good-sized shrub. This is one of the most pleasing fragrant flowers grown and is not overplentiful, probably from the fact that it is very slow growing and takes a long time in rooting from cuttings. Another uncommon plant noted was Cytisus filipes with small white, very fragrant Pea-shaped flowers. Nicely flowered specimens of Wistaria and Acacias in variety were seen. In cut flowers we noted the following: Ixias, Dimorphotheca, Anemone coronaria, Schizanthus, Lupines and Rose Mrs. Aaron Ward. The man who helps to make people love flowers and introduces new kinds is a benefactor, therefore we think Henry R. Comley deserves praise for the time and work he is putting into the ornamentation of his windows and trying to introduce new things.

Zinn's retail store on Park st. has the best display of appropriate things for St. Patrick's Day seen so far. In the middle of the window was displayed a calendar and on each side were two Irish clay pipes, or as they call them in the "ould" country "Cutties," decorated with green ribbons, and around these were arranged, artistically, nicely grown small pots of Shamrock (Trifolium minus). The calendar and its ornamentation received much comment and attention.

Large displays of Azaleas, Carnations and Roses, mostly American Beauty, very artistically arranged make Wax Brothers' windows very noticeable this week.

Roses are more plentiful than they have been for some time. The Easter supply is just beginning to come in. Most of the large growers had their crops regulated by stopping, and other means, to come right for Easter, therefore they have been scarce for some weeks past.

Wm. H. Elliott is shipping more Roses this week than he has done for some weeks past. He has a new Rose, to which he has given the temporary name of Beacon Hill. Its flowers are as large as American Beauty and of a delicate pink color. It's a fine looking Rose with long stems and good glossy foliage. He finds the Rose Mrs. Aaron Ward rather hard to propagate because it is a slow grower. If he can get enough stock propagated, of which he is quite doubtful at the present time, he will plant a house of it for next year.

A. A. Pembroke, Beverly, Mass., is shipping some nicely grown Shamrocks in small pots. He had some good Sweet Peas which are through flowering, and he is replanting his houses with Cucumbers.

Carnations are very plentiful this week, and not much call for them, except for white, which is bought up quickly, so as to have them on hand for dyeing for St. Patrick's Day.

Norris Comely of Lexington has had the decorations at the large Automobile Show in Mechanic's Building this week. He had to use many plants which he had to force for this decoration. The decorations were much admired and very artistically done.

John Fee of Jamaica Plain is shipping to the Flower Market, at 1 Park st., some excellent bulbous material. His Tulips, Hyacinths and Narcissus are extra good.

Nurserymen in this vicinity are receiving very large orders for fruit trees this Spring. Apple trees are the most sought after. The large exhibition of New England fruits held at Horticultural Hall last Fall has created a great interest in fruit growing.

Seedsmen report trade as being 100 per. cent. better in March this year than last year in the same month. Some of the seed houses are afraid they will run short on tuberous Begonias, the demand is so large for them at the present time.

Hugo Kuehl is now in charge of the seed department of the W. W. Rawson Co.

Chas. Holbrow of Brighton is on the jury, which is rather unfortunate for him at this time, on account of his Easter business.

In Doyle's window we noticed this week two finely-grown and well-flowered specimens of Callistemon speciosus (Metrosideros). For an undergrowth of plants they used under these large specimens Adiantum Farleyense in pots.

Members and friends of the Gardeners and Florists' Club are asked to take cars at Park st. station, Subway, at 1 p.m. on Saturday, March 19 for Waverley field day. W. W. Edgar Co. expect a large crowd and they have everything in fair shape. A better date could not be selected to see this fine establishment.

Private gardeners are digging and preparing the soil for early vegetable crops. Early Peas and other early vegetables are being grown. Sweet Peas can also be grown now in light dry soils.

John K. L. M. Farquhar delivered a lecture before the Houghton Hort. Society of Lynn, last Friday evening, March 11. His subject was "Formal and Informal Gardens." The lecture was beautifully illustrated by stereopticon pictures. This is an enthusiastic, progressive society, and 250 attended the lecture.

Welch Bros. are shipping large quantities of Lilies, in cases of twenty-five, and they are the best stock seen around Boston.

Robert McGorum of Natick, who has had his flowers sold in the market the past season, has changed, and is now shipping all his Roses to Welch Bros.

George Cruickshank of the R. & J. Farquhar Seed Co. is to lecture before the North Shore Hort. Soc. on Friday, March 18. His subject is "Modern Methods of Cyclamen Culture."

The landscape gardening class of the Gardeners and Florists' Club is doing creditable work this year. At present the young men are kept busy on topographical work.

The lecture at Horticultural Hall on Saturday, March 12, was by E. S. Miller, Wading River, New York. His subject was "Lilies in the Home Garden," and Mr. Miller read a good paper and illustrated his lecture with some of the best lantern slides of Lilies that have ever been seen in this city. There was a large audience, and a good discussion followed the reading of the paper. William N. Craig said that Lilium candidum which is grown and exported from France is by far the best kind to grow; they haven't a single sign of disease, while those from other parts of Europe are a complete failure here. E. H. Wilson, the famous collector of Chinese plants, gave an interesting talk on Lilies. He gave many useful hints on how to grow and treat Chinese Lilies. He said the greatest mistake made in growing them was planting them in peat, as most people did. Out of thirty species of Lilies indigenous to China only one species grew in peaty soil, all the others grew in good loam. The last lecture in the course given by the Mass. Hort. Society will be on March 19. The subject is "The Dietetic Value of Fruit," by Prof. William R. Larzenby, State University, Columbus, O.

Visitors in town this week were: E. J. Harmon, Portland, Me.; A. W. Dyer, Portland, Me.; Miss Bennett, florist, Portland, Me.; Samuel Parsons, New York, and Mr. Lennie, superintendent of parks, Rochester, N. Y.

John Beaton of the R. & J. Farquhar Seed firm is back to work. He has been very bad with rheumatism, and has been at home for five or six weeks. We are sorry he is quite lame still.

R. C.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Mar. 17, 1910	Pittsburg Mar. 16. 1910	NAMES AND VARIETIES	Boston Mar. 15, 1910	Detroit Mar. 6, 1910	Cincinnati Mar. 15, 1910
25.00 to 35.00	40.00 to 50.00	Roses—A. Beauty, fancy—special	35.00 to 50.00	20.00 to 25.00	.... to 25.00
18.00 to 20.00	20.00 to 30.00	" extra	20.00 to 25.00	15.00 to 20.00	.... to ....
10.00 to 12.50	10.00 to 15.00	" No. 1	10.00 to 15.00	12.00 to 15.00	.... to ....
4.00 to 6.00	4.00 to 6.00	" No. 2	2.00 to 8.00	4.00 to 10.00	.... to ....
.... to	6.00 to 15.00	Killarney	8.00 to 10.00	.... to	4.00 to 10.00
.... to	6.00 to 15.00	White Killarney	8.00 to 10.00	.... to	4.00 to 10.00
.... to	6.00 to 10.00	My Maryland	6.00 to 10.00	4.00 to 8.00	6.00 to 8.00
4.00 to 8.00	6.00 to 15.00	Richmond	8.00 to 12.00	4.00 to 10.00	6.00 to 10.00
4.00 to 8.00	6.00 to 10.00	Perle	.... to	.... to	.... to ....
.... to	.... to	Golden Gate	.... to	.... to	.... to ....
.... to	.... to	K. A. Victoria	.... to	4.00 to 8.00	.... to ....
.... to 8.00	.... to 12.00	Bride, Maid, fancy—special	6.00 to 8.00	6.00 to 8.00	.... to 8.00
.... to 6.00	.... to 10.00	" extra	2.00 to 4.00	4.00 to 6.00	.... to ....
.... to 4.00	6.00 to 8.00	" No. 1	.... to	3.00 to 4.00	.... to 4.00
.... to	.... to 4.00	" No. 2	.... to	.... to	.... to ....
.... to 2.00	1.25 to 1.50	Adiantum	1.00 to 1.50	.75 to 1.00	.... to ....
.... to	.... to	Asparagus, Plumosus, bunches	.... to	.... to	.... to ....
.... to 30.00	20.00 to 50.00	Asparagus, Plumosus, bunches	.... to 50.00	30.00 to 60.00	.... to 25.00
.... to 30.00	20.00 to 30.00	" Sprengeri, bunches	.... to 50.00	30.00 to 50.00	.... to ....
.... to	.... to	Bouvardia	.... to	.... to	.... to ....
.... to 12.50	8.00 to 10.00	Callas	6.00 to 10.00	.... to 15.00	.... to 8.00
.... to	.... to	Chrysanthemums	.... to	.... to	.... to ....
.... to	.... to 1.00	Carnations—Inferior grades, all colors	1.00 to 1.50	.... to	1.00 to 2.00
2.00 to 3.00	.... to 1.50	Standard Varieties: White	1.50 to 3.00	1.00 to 2.00	.... to ....
2.00 to 3.00	.... to 1.50	Standard Varieties: Pink	1.50 to 3.00	1.00 to 2.00	.... to ....
.... to 2.00	.... to 1.50	Standard Varieties: Red	.... to	1.00 to 2.00	.... to ....
.... to 2.00	.... to 1.50	Standard Varieties: Yellow and var.	.... to	.... to	.... to ....
3.00 to 4.00	.... to 2.00	*Fancy (*The highest grades of Std'd vars.): White	1.50 to 3.00	2.00 to 3.00	.... to ....
.... to 3.00	.... to 2.00	*Fancy: Pink	1.50 to 3.00	2.00 to 3.00	.... to ....
.... to 3.00	.... to 2.00	*Fancy: Red	1.50 to 3.00	2.00 to 3.00	.... to ....
.... to 3.00	.... to 2.00	*Fancy: Yellow and var.	.... to	.... to	.... to ....
.... to	2.00 to 4.00	Daffodils	1.00 to 1.50	.... to 3.00	.... to ....
.... to .50	1.00 to 2.00	Daisies	.... to	.... to	.... to ....
.... to .25	.... to .15	Ferns, hardy	.... to	.... to .15	.... to ....
.... to 3.00	.... to 2.00	Freesia	1.00 to 1.50	.... to 3.00	.... to ....
.... to .20	.... to .12	Galax, green and bronze	.... to	.... to .12	.... to ....
.... to	.... to	Gardenias, per doz.	.... to	.... to	.... to ....
.... to	.... to 1.00	Lilac, (per bunch)	.... to	.... to	.... to ....
.... to 12.50	10.00 to 12.00	Lilies, Harrisii and Longi	8.00 to 12.00	15.00 to 20.00	.... to ....
.... to 3.00	2.00 to 4.00	Lily of the Valley	2.00 to 3.00	3.00 to 4.00	.... to ....
.... to	3.00 to 4.00	Mignonette	2.00 to 4.00	6.00 to 8.00	.... to ....
.... to	1.50 to 4.00	Narcissus	1.00 to 1.50	.... to 3.00	.... to ....
.... to	50.00 to 60.00	Orchids—Cattleyas	35.00 to 50.00	.... to	.... to ....
.... to	.... to 15.00	Cypripediums	.... to	.... to	.... to ....
.... to	.... to	Dendrobium Formosum	.... to 35.00	.... to	.... to ....
.... to	.50 to 1.00	Pansies, per doz. bunches	.... to 2.00	.... to	.... to ....
.... to	2.00 to 3.00	Roman Hyacinths	.... to	.... to	.... to ....
.... to 1.50	1.25 to 1.50	Smilax, (per doz. strings)	1.00 to 1.50	1.50 to 2.00	.... to ....
.... to	.... to	Stevia, per bunch	.... to	.... to	.... to ....
.... to .50	.50 to 1.00	Sweet Peas, (per doz. bun.)	.25 to .75	.50 to .75	.50 to .75
3.00 to 4.00	2.00 to 4.00	Tulips	1.00 to 3.00	3.00 to 4.00	.... to ....
.... to .50	.50 to .75	Violets, single	.25 to .50	.60 to .75	.... to .35
.... to .50	.50 to .75	" double	.... to	.50 to .75	.... to ....
.... to	.... to		.... to	.... to	.... to ....
.... to	.... to		.... to	.... to	.... to ....
.... to	.... to		.... to	.... to	.... to ....

E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. CINCINNATI, O.

ALL CUT FLOWERS IN SEASON

I Sell Heller Bros. Roses

I MANUFACTURE WIRE WORK

Get your order in now for

HANGING BASKETS

The Best—The Strongest—The Cheapest

Green Sheet Moss, $1.00 per Bundle

Sphagnum Moss, $1.00 per Bale

Please mention the Exchange when writing.

EDWARD REID

Wholesale Florist

Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias

All other seasonable flowers

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

Milwaukee, Wis.

Please mention the Exchange when writing.

The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

937 Liberty Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee St., MILWAUKEE, WIS.

'Phone. Main 874. P. O. Box 103

Please mention the Exchange when writing.

Cut Flowers for Easter

We expect a large supply of cut flowers for Easter. No scarcity that we can see, excepting Beauties.

EASTER LILIES

Generally reported scarce. We will have our usual supply and of good quality. $15.00 per 100.

SWEET PEAS

Always in good demand for Easter. Will have them in all shades. $1.00 and $1.50 per 100.

VALLEY

Very choice. $3.00 and $4.00 per 100.

TULIPS and DAFFODILS

Double and Single. $3.00 and $4.00 per 100.

WHITE and YELLOW DAISIES

$2.00 per 100.

Our supply of

ROSES and CARNATIONS

will be large and of the usual high standard.

We have the stock as well as the facilities for doing a large holiday business. You can depend on the customary care and attention, which makes our service the best to be had.

THE LEO NIESSEN CO., 1209 Arch Street

Wholesale Florists **PHILADELPHIA**

Open from 7 A. M. to 8 P. M.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Mar. 14, 1910	Buffalo Mar. 15, 1910	NAMES AND VARIETIES	Phil'delphia Mar. 13, 1910	St. Louis Mar. 15, 1910
to	30.00 to 40.00	**Roses**—A. Beauty, fancy—special	40.00 to 50.00	25.00 to 35.00
to	to 25.00	" extra	30.00 to 40.00	15.00 to 20.00
to	to 12.00	" No. 1	15.00 to 25.00	8.00 to 12.50
to	6.00 to 8.00	" No. 2	8.00 to 15.00	4.00 to 6.00
to	4.00 to 12.00	Killarney	3.00 to 10.00	5.00 to 8.00
to	4.00 to 12.00	White Killarney	3.00 to 10.00	5.00 to 8.00
4.00 to 10.00	5.00 to 10.00	My Maryland	2.00 to 8.00	6.00 to 6.00
4.00 to 10.00	5.00 to 12.00	Richmond	2.00 to 8.00	5.00 to 8.00
4.00 to 6.00	5.00 to 8.00	Perle	3.00 to 6.00	to
4.00 to 8.00	to	Golden Gate	to	to
to	to	K. A. Victoria	to	to
to 8.00	10.00 to 12.00	Bride, Maid, fancy—special	6.00 to 8.00	6.00 to 8.00
6.00 to 7.00	8.00 to 10.00	" extra	6.00 to 6.00	4.00 to 5.00
to 6.00	6.00 to 8.00	" No. 1	3.00 to 5.00	to
to 4.00	4.00 to 6.00	" No. 2	2.00 to 3.00	to
to 1.00	1.00 to 1.50	**Adiantum**	1.00 to 1.50	1.00 to 1.50
to	to	**Antirrhinum** (per bunch)	to	to
25.00 to 50.00	to	**Asparagus**, Plumosus, bunches	25.00 to 40.00	25.00 to 60.00
25.00 to 50.00	to	" Spreogeri, bunches	20.00 to 35.00	25.00 to 50.00
to	to	**Bouvardia**	to	to
8.00 to 10.00	10.00 to 15.00	**Callas**	6.00 to 10.00	8.00 to 10.00
to	to	**Chrysanthemums**	to	to
to 1.50	1.50 to 2.00	**Carnations**—Inferior grades, all colors	.35 to .75	1.00 to 1.50
2.00 to 2.50	1.50 to 2.00	Staodard Varieties: White	1.00 to 3.00	1.00 to 1.50
2.00 to 2.60	1.50 to 2.00	Staodard Varieties: Pink	1.00 to 2.00	1.00 to 1.50
2.00 to 2.50	1.50 to 2.00	Staodard Varieties: Red	1.00 to 2.00	1.00 to 1.50
2.00 to 2.50	1.50 to 2.00	Staodard Varieties: Yellow and var	1.00 to 2.00	to
to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	2.00 to 3.00	2.00 to 3.00
to 8.00	2.50 to 3.00	*Fancy: Pink	2.00 to 8.00	2.00 to 3.00
to 3.00	2.50 to 3.00	*Fancy: Red	2.00 to 3.00	2.00 to 3.00
to 3.00	2.50 to 3.00	*Fancy: Yellow and var	2.00 to 3.00	to
2.00 to 3.00	to	**Daffodils**	1.00 to 2.00	1.50 to 2.00
to	1.00 to 1.50	**Daisies**	.50 to 1.00	to
to	to	**Ferns**, hardy	to .20	to .20
.50 to 1.00	2.50 to 3.00	**Freesia**	.75 to 1.25	1.50 to 2.00
to	to .15	**Galax**, green and bronze	to .20	to
to 2.00	to	**Gardenias**, per doz	6.00 to 15.00	to
to	to	**Lilac**, per bunch	.75 to 1.00	to
to 12.50	12.00 to 15.00	**Lilies**, Harrisii and Longi	6.00 to 10.00	10.00 to 12.50
2.00 to 4.00	3.00 to 4.00	**Lily of the Valley**	1.00 to 2.00	3.00 to 4.00
to 3.00	2.00 to 3.00	**Mignonette**	1.00 to 2.50	4.00 to 5.00
2.00 to 3.00	2.00 to 3.00	**Narcissus**	1.50 to 2.00	to
to	40.00 to 50.00	**Orchids**—Cattleyas	25.00 to 40.00	to
to	10.00 to 15.00	Cypripediums	8.00 to 10.00	to
to	to	Dendrobium Formosum	25.00 to 36.00	to
.50 to .60	1.00 to 1.50	**Pansies**, per doz. bunches	.50 to .75	to
3.00 to 5.00	2.00 to 3.00	**Roman Hyacinths**	.75 to 1.50	to
to 2.50	1.25 to 1.50	**Smilax**, (per doz strings)	1.50 to 2.00	1.25 to 1.50
to	.25 to .30	**Stevia**, per bunch	to	to
.50 to 1.00	.50 to 1.00	**Sweet Peas**, (per doz. bun.)	.50 to .75	.25 to .60
2.00 to 4.00	2.00 to 4.00	**Tulips**	1.00 to 2.50	1.50 to 2.00
.40 to .60	to	**Violets**, single	.20 to .35	.10 to .20
to	.50 to .75	" double	.25 to .40	to
to	to		to	to
to	to		to	to
to	to		to	to

Gardenias and Cattleyas

The Aristocrats of the Flower World

Such values, and such qualities, it has seldom been our privilege to offer. Truly magnificent blooms.

GARDENIAS—SPECIALS, per doz. $4.00; FANCY, per doz. $3.00; FIRSTS, per doz. $2.00.

CATTLEYAS—$9.00 per doz.

CUT LILIES—VERY CHOICE, $15.00 per 100; GOOD, $12.50 per 100.

Mention this advertisement and we will send you a box of two dozen of the choicest Cattleyas for $10.00.

EASTER PLANTS

LILIES, mostly 6-in. pots, one, two, three and four plants to a pot, average 4 and 5 blooms each plant, 15c. per flower; second grade 12½c. Magnificent stock, as fine as we ever offered, every plant a specimen.
AZALEAS, $1.00, $1.25, $1.50, $2.00, $2.50, $3.00, $4.00, $5.00, $7.50, $10.00, $12.50 each.
AZALEA MOLLIS, $1.50, $2.00 each.
MINIATURE AZALEAS (for basket work), $4.00 dozen.
BOUGAINVILLEA, specimen plants, $25.00 each.
BOUGAINVILLEA, 6-in. $2.00, 7-in. $3.00, 8-in. $4.00, 10-in. $5.00, 12-in. $7.50 each.
CRIMSON RAMBLER ROSES, $1.00, $1.50, $2.00 each.
DOROTHY PERKINS RAMBLER, $2.00, $3.00, $4.00, $5.00 each.
MAGNA CHARTA ROSES, 75c., $1.00, $1.50, $2.00 each.
BABY RAMBLER ROSES, 75c., $1.00, $1.50, $2.00, $2.50 each.
TAUSENDSCHON, LADY GAY AND HIAWATHA ROSES, $1.25, $1.50, $2.00, $3.00, $3.50 each.
BABY DOROTHY RAMBLERS, 50c., 75c., $1.00 each.
CINERARIAS, $3.00, $4.00 and $5.00 per dozen.
DEUTZIA GRACILIS, $1.00, $1.50, $2.00, $2.50 each.
MARGUERITES, White, 50c., $1.00, $3.00 each; Yellow, $1.00, $1.50 each.
MARGUERITE "QUEEN ALEXANDRA," 35c., 50c., 75c. each.
GENISTAS, 7-in. pans, $1.00 each.
GERANIUMS, 4-in. $2.00, 6-in. $4.00 per dozen.
GARDENIA PLANTS, 6-in. $1.00, 7-in. $1.50, 8-in. $2.50, $3.50, $5.00 each.
HYDRANGEAS, pink and blue; $1.00, $1.25, $1.50, $2.00, $3.00, $5.00 each.
LILACS, $1.50, $2.50 each.
LILY OF THE VALLEY, pans, $6.00, $9.00 dozen.
RHODODENDRONS, $1.25, $1.50, $2.00, $2.50, $3.00, $4.00, $5.00, $7.50 each.
SPIRÆA, GLADSTONE, 7-in. pots, 50c., 75c.; 10-in. pots, $1.50, $2.00; 12-in. pans, $2.50, $3.00.
NEW PINK SPIRÆA, "QUEEN ALEXANDRA," $1.00 each.
SPIRÆAS, (other varieties), $4.00 and $6.00 dozen.
VARIEGATED MAPLES, 10-in. tubs, $2.50, $3.50 each.
JAPANESE MAPLES, $1.25, $1.50 each.
WISTARIA, blue, $2.00 each.
FLOWERING ALMOND, APPLE and **PEACH**, $1.50, $2.00 each.
STANDARD PRUNUS, $2.00 each.
ENGLISH HAWTHORNS, $1.50 each.
MOUNTAIN LAURELS, $1.50 each.
PANDANUS VEITCHII, 6-in. $1.00, 8-in. $2.00.
SCOTTII FERNS, 6-in. pots, 50c.; 8-in. pots, $1.00; 10-in. pans, $1.50 12-in. pans, $2.00.

All shipments are at risk and expense of customer. We waive responsibility after delivery to express company

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of PHILADELPHIA and WASHINGTON

1608 to 1620 Ludlow St., Philadelphia, Pa. — **1212 New York Ave., Washington, D. C.**

QUALITY

Stores close at 6 P. M.

Please mention the Exchange when writing.

THE AMERICAN CARNATION

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PTG. & PUB. CO. Ltd., 2 to 6 Duane Street, New York

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

Please mention the Exchange when writing.

HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

51 Wabash Ave.

Please mention the Exchange when writing.

Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

Please mention the Exchange when writing.

E. G. HILL CO.

Wholesale Florists

RICHMOND, INDIANA

Please mention the Exchange when writing.

Wietor Bros.

Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

Please mention the Exchange when writing.

ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Philadelphia

Strike conditions still prevail in this city, but appearances point to a speedy settlement. That these labor troubles have worked much harm to our local florists is a fact, and it is hoped that the city fathers and others in authority will speedily bring about means of settlement.

John McIntyre has made preparations for an extensive Easter business. It is hardly necessary to note in these columns that this gentleman is handling the best Lilac coming into this market, and John says he will have enough to supply all wants. Daffodils, Yellow Daisies, Violets and other good stock also receive their share of attention.

Joe Wachman has opened the "Philadelphia Cut Flower Exchange" at 1207 Market st., as temporary Easter quarters. It is understood that a full line of plants and cut flowers will be handled in this store during the next few days.

The Pine Tree Silk Mills Co. is continually adding to its list of customers, from the ranks of florists who handle ribbons. This firm is catering to every want of the retailer who desires ribbons for every purpose.

Wholesale Prices of Cut Flowers, Chicago, March 15, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	3.00 to 4.00
30-inch stems.. "	.... to 3.00
24-inch stems.. "	2.50 to 3.50
20-inch stems.. "	.... to 2.50
18-inch stems.. "	1.50 to 2.00
12-inch stems.. "	1.00 to 1.25
8-in. stems and shorts "	.75 to 1.00
Killarney	5.00 to 8.00
" extra	10.00 to 12.00
White Killarney	10.00 to 12.00
Richmond	6.00 to 12.00
My Maryland	5.00 to 12.00
Bride, Maid, fancy special	6.00 to 8.00
" extra	4.00 to 6.00
" No. 1	.... to 4.00
" No. 2	.... to 2.50
Perle	4.00 to 7.00
Chatenay	3.00 to 8.00
Kaiserin	.... to 8.00
Uncle John	.... to 8.00
Mrs. Marshall Field	.... to 8.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Calla Lily	10.00 to 12.00
Chrysanthemums doz.	.... to ....
" fancy doz.	.... to ....
Daisies	.... to 1.00
Daffodils	1.00 to 2.00
	.... to ....

CARNATIONS	
Standard Varieties: White	2.00 to 2.50
Standard Varieties: Pink	2.00 to 2.50
Standard Varieties: Red	2.00 to 4.00
Standard Varieties: Yel. and Var.	.... to ....
*Fancy: White	3.00 to 4.00
*Fancy: Pink	2.00 to 2.50
*Fancy: Red	.... to 3.00
*Fancy: Yel. and Var.	.... to ....
*The highest grades of Sta'd varieties	
Farna, hardy, per 1000	.... to 2.00
Freesia	.... to 3.00
Galax (green)	.... to 1.00
" (bronze)	.... to 1.25
Gardenias	24.00 to 40.00
Hyacinths, Roman	.... to 3.00
Lilac	.... to 3.00
Lilies, Harrisii and Longi.	.... to 12.00
Lily of the Valley	3.00 to 4.00
Mexican Ivy	.... to 1.00
Mignonette	4.00 to 6.00
Narcissus—Paper White	.... to 3.00
Orchids—Cattleyas	35.00 to 50.00
" Cypripediums	15.00 to 20.00
Pansies	.... to ....
Smilax	12.00 to 15.00
Stevia, bunch	.25 to .50
Sweet Peas	.50 to 1.00
Tulips	2.00 to 4.00
Violets, single	.... to .40
" double	.50 to .75
	.... to ....
	.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

Robert Pyle, president of the Conard & Jones Co., West Grove, Pa., was married on March 15 to Hannah Warner Cadbury in Germantown. Congratulations!

The Leo Niessen Co. is very busy with shipping orders, and the stock of Killarney Roses that is received in its store daily would be hard to beat. This company will have all seasonable flowers to offer its patrons during the next few weeks.

Berger Bros. are supplying the trade with Asparagus plumosus shipped to them from the South.

T. L. Yates & Co. of Germantown ave., will offer a full line of plants in bloom during the next few days.

Robt. Craig Co. is beginning to feel the approach of Easter. The company has its hands full taking care of advance orders. Rambler and other Roses, as well as Spiræa and Bougainvillea plants are being disposed of rapidly.

Robt. Craig recently journeyed to Rochester, N. Y., to attend the meeting of the executive board of the S. A. F. to form plans for the coming convention.

The S. S. Pennock-Meehan Co. is handling plants of every description for its Easter trade. The immense facilities the firm has at its command for handling cut flowers of every description enables it to cater to the wants of every florist, local or out-of-town.

S. S. Pennock was a judge at the American Rose Society's show held this week in New York City.

The scarcity of American Beauty Roses is quite noticeable at this time, but it leads to a better demand for other Roses of good quality. It has been quite some time since Smilax was so scarce, and good prices are being paid for stock that is certainly not of the best.

J. W. Colflesh of Woodland ave. and 53d st. has had good success in flowering his plants for Easter. His stock consists of Lilies, Azaleas, Hydrangeas, Spiræas, Daisies, Hyacinths and Tulips.

Coming Exhibitions

Boston, Mass., May 26-30, 1910.—Great Exhibition of Orchids and other plants by the Massachusetts Horticultural Society. Secretary, William P. Rich.

White Marsh, Md.

Richard Vincent, Jr. and wife will leave New York by the Anchor Line steamship Caledonia on April 9 for a tour through Great Britain and the Continent, and expect to return here about the end of May. During his visit Mr. Vincent will attend both the Brussels and Haarlem shows, traveling in company with the members of the English Horticultural Traders' Association, under the leadership of Mr. Bruton.

Cincinnati

The past week has seen the first depression in the cut flower business that we have had in Cincinnati for some months, yet this applies principally to Carnations, other stock selling very well. Paperwhite Narcissus are scarce, as are Roman Hyacinths, Bride Roses; in fact, everything in white, is pretty well cleaned up even to white Carnations.

At this writing (March 14) the scene has changed; snow flurries are to be seen in the air and stock has shortened up. Carnations are in demand for St. Patrick's Day, selling at $2 and $3 per 100; none are to be had today. American Beauty have shortened up materially, especially the long-stemmed ones; Killarney and Richmond are in fair supply.

The outlook for Easter, so far as orders are concerned, is very good, but up to the present time it has been hard to get any line on stock; it would certainly be of better advantage to consignors if they would notify their commission man what stock they expect to ship him for Easter. In this way he would have a surer way of disposing of stock that he might not be able to sell at the last moment. It looks much as though Easter Lilies would be a scarce commodity in this market. Other stock will be in fair supply. E. G. GILLETT.

Chicago

St. Patrick's Day is the one event of the week. It has called for the use of all white flowers available for the purposes of dying them green in honor of the occasion. Not only in the city itself is the call noticeable for green stock, as many small towns had their share of flowers shipped for the celebration. The projected visit of President Taft on St. Patrick's Day has made a big difference in the elaboration of decorations in Chicago. Shamrock studded sod, imported from the Emerald Isle for use in the banquet hall of the LaSalle Hotel, with miniature Shamrocks in flower pots and green dyed Carnations as table decorations are features in themselves. That St. Patrick's Day is becoming more observed each year is recognized by all florists.

A contract aggregating $56,122 was let to Henry Sierks and John Langeloh at a special meeting of the West Park Board last week, for the reconstruction of portions of the Garfield Park conservatories. This includes repairs to the glass roof, storehouse, aquatic house, conifer house and economic house. The conservatory was built in 1907 at a cost of $185,000 under the supervision of Jens Jensen, then general superintendent of the West Park system. Since then an additional sum of $18,000 has been expended in repairs to the Palm house, bringing the total cost of the conservatory to $259,-122.

Two tracts of land were added to the small parks the past week. Former Congressman, George F. Adams, gave $15,-000 worth of land to the park commissioners for the use of parks and playgrounds. The property is located between Centre st. and Claybourne ave., and is 288 by 103 ft. The commission, of which Alderman Albert Beilfuss is chairman, had contemplated the purchase of this land for some time. Another donation was made by Walter H. Wilson, city comptroller, of a small park or playground as a memorial to his deceased wife. It is understood that the comptroller is willing to spend as much as $10,000 on the improvement of such property. He has left the matter in the hands of the special park commissioners to find a plot that will prove a proper site for a small park, it must be in a section that will give pleasure to a large number of children.

The department stores are using considerable stock of natural flowers this season in their Spring openings; and while many artificial vines and plants are in evidence, there are in Marshall Field's, Mandel's, Carson Pirie, Scott & Co.'s stores large numbers of Palms, Ferns, Smilax, American Beauty Roses, Jonquils and Tulips displayed. At the "Hub," also, for some weeks past, the windows have been made more attractive by the use of boxes of Jonquils, Tulips, Narcissus and Hyacinths. The store of Chas. A. Stevens & Bros. is most elaborately decorated with wild Smilax and yellow Daffodils, among which trained canaries are hung, whose music mingled with the orchestra proves a most pleasing feature. Wittbold is in charge of the arrangements.

In the issue of March 9 of the Chicago American the fourth article by City Forester J. H. Prost appeared, under the heading of "How to Make a Hotbed and Its Usefulness." Mr. Prost enters into the minutest detail of constructing same.

The sympathy of the trade is extended to C. L. Alles, who has been with Wietor Bros. for the past 15 years, in the loss of his father, Nicholas Alles, whose death occurred on Sunday morning, March 13, after a long and painful illness. The deceased was well known at Kenmore, where he has resided for many years, and was for a long period organist of St. Henry's Church, where the burial services were held on Wednesday morning, and interment was made in the church cemetery. The departed was in his 65th year and resided at 1962 Devon ave. Some beautiful floral offerings were sent by the members of the firm of Wietor Bros.

A notice has been issued, and mailed to all Illinois State horticultural and florists' associations by B. Lloyd, secretary of the Illinois Horticultural Society as follows: At the meeting of the Executive Board (all being present) of the Illinois Horticultural Society, held at Kinmundy, Ill., March 4, it was unani-

AZALEAS FOR EASTER

VAN DER CRUYSSEN
VERVAENEANA ALBA
NIOBE
SIMON MARDNER
EMPRESS OF INDIA
PROF. WOLTERS
DR. MOORE
VERVAENEANA

50c., 75c., $1.00, $1.25, $1.50, $2.00, $2.50, $2.75, $3.00

CALIFORNIA PRIVET

2 to 3 ft., $3.00 per 100, $25.00 per 1000. 3 to 4 ft., $4.50 per 100, $40.00 per 1000.

Also 150,000 Privet cuttings.

HERBACEOUS PLANTS in 100,000 lots if desired.
Can supply 500,000 HARDY PHLOX alone.
CLEMATIS PANICULATA, 2 years, No. 1, 3 years, X and XX.
AMPELOPSIS VEITCHII, of all sizes.
VIBURNUM PLICATUM, from 18 to 24 inches, up to 5 to 6 feet in quantity.
NORWAY and SILVER MAPLES, LOMBARDY and CAROLINA POPLARS.
SALVIA, 2 inch pots, $25.00 per 1000; in the following varieties:
Zurich Splendens Fireball Scarlet King

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Please mention the Exchange when writing.

AZALEAS

We offer a fine lot of Azaleas, shapely specimens, well "headed," double and single flowered, which should make splendid plants for Easter sale.

We offer the well known and popular sorts:

Mme. Van der Cruyssen, Niobe, Deutsche Perle, Mme. C. Van Langenhove, Vervaeneana, Empress of India, Helen Thielman and Simon Mardner.

	Per doz.	Per 100
10 to 12 inch heads - - -	$6.00	$45.00
12 to 14 " " - - -	7.00	55.00
14 to 15 " " - - -	10.00	75.00

6 sold at dozen rates, 25 at 100 rates.

Peter Henderson & Co.

35 and 37 Cortlandt Street, NEW YORK

Please mention the Exchange when writing.

monsly voted to hold a joint meeting with other horticultural societies, beginning the last Tuesday in January, 1911, and continuing ten days, the idea being to have the first seven days devoted to horticultural institute work, the last three to the annual meetings of the societies. Three other societies were represented by delegates who voted the same way.

H. A. Philpott returned last Friday from his trip to St. Catherines, Canada, where he, as president of the Canadian Horticulture Association, attended a meeting of the executive committee.

J. A. Valentine of Denver spent Thursday in Chicago, leaving on Friday in company with W. W. Rudd and George Asmus of Chicago, and H. B. Dorner of Urbana, Ill., for Rochester, N. Y., to be present at the meeting of the executive committee of the S. A. F.

A. Lange has had built by the Studebaker Co. a specially designed automobile to be used for the delivery of flowers, etc. It is Mr. Lange's intention, if this one reaches his expectations, to have two more built after the same model. Mr. Lange's store has been kept busy the past week on funeral work. One special piece was a canoe five feet long, filled with yellow Roses; it was made for a member of the Rod and Reel Club of the South Side. In the window this week is displayed special novelties for St. Patrick's Day.

Mangel's window, as usual is up to date, St. Patrick's Day novelties figuring largely in the display.

Fleischman's windows are also most attractively arranged with flowering plants and vases of cut flowers.

Friedman has a beautiful showing of miscellaneous flowers in his always artistically arranged window, which cannot help but attract the eyes of the many people who pass on Michigan ave.

At Hauswirth's, as usual, one finds many vases filled with contrasting flowers, ready for the tables of the Congress Hotel dining rooms. This display is in evidence every afternoon.

Peter Reinberg states that the outlook at his establishment is promising for a good crop of all sorts of flowers grown for the Easter trade.

Bassett & Washburn are still receiving a good supply of American Beauty Roses, although not in as great quantities as last week. The O. P. Bassett Carnation is still on its best behavior and is arriving daily in prime condition.

Winterson's Seed Store has received a carload of Caladiums and Tuberoses. This house is also having a heavy run on American Gladiolus; three carloads of imported nursery stock, including hardy Roses, Box trees, etc., are reported as on the way to Chicago.

At the store of George Woodward of 4973 Lake ave. the show window last week was blown completely in, during a heavy windstorm, and it was several days before the damage was repaired.

H. Van Teylingen, representing Van Zanten & Co., Hillegom, Holland, arrived in Chicago March 13, and spent several days in calling on his old customers. Mr. Van Teylingen says that the past Winter has been the most severe experienced in Holland for many years; never has he seen so much snow.

W. Bond, for nearly five years head gardener for Mrs. G. B. Wilson, Philadelphia, Pa., is going to establish himself in business at Naperville, Ill., where he will devote himself to Orchid growing for cut flowers.

Wm. Abrahamson, formerly of Chicago, has gone into bankruptcy in the city of Denver, Colo. Several florists of Chicago are losers.

Geo. Peiser, who has been in charge of Hoerber Brothers' wholesale cut flower department, is no longer in their employ.

Harry Rowe says he had the usual demand for the miniature pots of Shamrock that are a special feature in the plant line for St. Patrick's Day.

Nic Miller says that during his recent trip through Michigan the prospects for Lilies for Easter were not any too good, as far as regards quantity. The outlook is that there will be but very few tall plants available, as Easter is so much earlier this year. The plants have had to be forced too quickly, retarding their growth.

Mr. Grimm of Grimm & Gorley, St. Louis, Mo., spent a few days in town last week, presenting all in the trade with a pocketpiece, a mounted cent, with the inscription "You will never go broke as long as you have us with you."

Mrs. Wm. Romaine of Park Ridge, N. J., daughter of the late John Thorpe, arrived in Chicago on Wednesday, accompanied by Mr. Romaine, en route for California, where they are going to spend three months for the benefit of Mr. Romaine's health. They spent a short time with their sister, Margaret Flint, before proceeding westward.

Visitors: Mr. Schafer, of Schafer Floral Co., La Crosse, Wis.; J. A. Valentine, Denver, Colo.; Mrs. Ella Sullivan, Superior, Wis.; James Aldons, Jr., and wife, Des Moines, Ia.

Paul Beyer, of Beyer Floral Co., South Bend, Ind.; A. M. Augsperger, Peoria, Ill.; Theo. Meyer, Waukeegan, Ill.; Ed. Amerpohl, Janesville, Wis.

Bowling

The Florists' Bowling League met as usual Thursday night, March 10, with the following result:

CARNATIONS			vs.	ROSES		
728	740	716		688	750	738
ORCHIDS			vs.	VIOLETS		
767	697	691		688	668	776

I. C. Yarnall gained 140 pins over Victor Bergman, making him now high average man.

EASTER PLANTS

SPIRAEAS, 6-in. pots, 25c. to 50c. each.
LILIES, 10c. a bud.
RHODODENDRONS, 75c. to $1.00 a plant.
AZALEAS, 50c. to $1.00 each.
AMERICAN BEAUTY ROSE PLANTS, 15c. a bud; other **ROSE PLANTS,** 15c. to 60c. a plant; **RAMBLERS,** 60c. to $1.00, 5 and 6-in. pots.
CINERARIAS, 25c. each.
HARDY AZALEAS, 75c. to $1.00 each.
BLEEDING HEARTS, 25c. a pot.
Just right for Easter. Cash please.

FRANK B. RINE,
LEWISBURG, PA.

Please mention the Exchange when writing.

EASTER PLANTS

AZALEAS, 5½ to 8-in. pots, from $1.50 to $5.00 each, larger plants from $6.00 to $10.00 each.

LILIES, $12.00 per 100 buds; $120.00 per 1000, $550.00 per 5000.

SPIRAEA, Gladstoni, White, $6.00, $9.00 and $12.00 a doz.
Queen Alexandra, Pink, 75c., $1.00 and $1.25 each.

HYACINTHS, Single, pots, $1.50 to $2.00 per doz. Only extra selected bulbs grown.

Miniature, 5, 7 and 8-in. pans, 35c., 50c., 75c. and $1.00 a pan.

TRUMPET NARCISSUS, 35c., 50c., 75c. and $1.00 a pan.

LILY OF THE VALLEY, in 5-in. pots, 35c. each; 6-in. pans, 50c. each; 7 in. pans, 75c. each and 8 in. pans, $1.00 each.

ROSES, Mme. Cutbush, Enchantress, pink, large plants, 6½ and 7-in. pots, $12.00 $15.00 and $18.00 a doz.

Large showy plants of Dorothy Perkins, shell pink, 6½ to 9-in. pots, $1.50 to $7.00 each.

Star-Flowered Rambler, single, large trusses, outside petals light pink, centre white, 6½-in. pots, $1.50 and $2.00 each; large plants in 7 to 9-in. pots, $3.00 to $7.00 each.

LILACS, White and Blue, 8 and 9-in. pots, $1.50, $2.00, $2.50 and $3.00 each.

DWARF ROSES, Baby Dorothy, Baby Ramblers, $6.00, $9.00 and $12.00 a doz.

BOXWOOD pyramids, 3 feet high, $3.00 per pair.

BOXWOOD bushes, 20c., 25c., 35c., 50c., 60c. and 75c. each.

All the foregoing Roses are timed for Easter and are perfectly budded.

FRAU KARL DRUSCHKI, budded, two years old, $20.00 per 100.

With shipping orders, please add to the amount of bill 75c. for each ten dollars worth of goods, to cover the expense of cases and packing.

For other varieties of foliage and Easter plants, write for price lists.

ANTON SCHULTHEIS

316 19th Street, COLLEGE POINT, L. I., N. Y.

Please mention the Exchange when writing.

Special Easter Offer

All leading varieties of Hyacinths and Tulips

4-inch pots—ready now

$10.00 per 100

MRS. JOHN H. CLAUS
1119 Roy Street, PHILADELPHIA, PA.

Cash with order

Please mention the Exchange when writing.

MARGUERITES

In Bud and Bloom

For Easter Sales

6-inch pots.....25c., 30c., 35c. each
4-inch pots.....10c., 12c., 15c. "
3-inch pots..... 6c., 8c., 10c. "

CASH WITH ORDER

H. E. Le Page
STAMFORD, CT.
Adams Express

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THE AMERICAN CARNATION

By Peter Bisset

Price $3.00. Send for Sample Pages

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"THE EVERGREEN BRAND FLOWER FERTILIZER"

is pure plant food, immediately available. It permanently enriches the soil. It prevents the onslaughts of plant disease, or insects and pests. Can be used at any time during the growing season, dry or in solution.

Put up in 12 pound cans. Price $2.00

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D. D. JOHNSON COMPANY, 66 Wabash Avenue CHICAGO, ILL.

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Fishkill-on-Hudson, N. Y.

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The Mastin Automatic White-Wash and Spraying Machine is Reliable, Practical and Durable

The tank is made of galvanized sheet steel, and in brass.
The pump is of brass throughout, simple and powerful.
The mixing device keeps the contents of the tank well stirred up from start to finish.
When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.
All parts are made to gauge, and may be had for repairs.
Ask your dealer about our **Extension Hose, Extension Rods,** and the **Mastin White-wash Nozzle** for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. Mastin & Co., 3124 West Lake St., CHICAGO, ILL.

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Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Buffalo, N. Y.

In visiting the local greenhouses the outlook for stock is bright in some lines. Some of the growers have been unfortunate in getting their Lilies in very short; but don't know that it is really so unfortunate, as by putting three or four plants in a 10" or 12" pan they will be able to dispose of quite a few; there is a class of buyers that demand a short-grown Lily, something that can be used for a table and look well.

W. J. Palmer took quite a few of his employees out to the greenhouses on Sunday last, evidently to get them acquainted with some of the hundreds of fine plants that B. J. Myers, the foreman, would like to get rid of. The Lilies at Lancaster are fine, in fact Mr. Myers says they are the best he has ever grown, and he does not grow many poor ones at that.

The Hybrid Roses are fine at this place. There are hundreds of fine plants that will be in just right for Easter, and as they are always fine sellers this will mean quite a trade on these alone. The Hyacinths, Tulips, and Daffodils in pans are looking fine. There is also a grand stock of selected Azaleas, something the firm makes a specialty of.

A visit to the greenhouses in charge of our Club president-elect, Joseph Streit, found his place looking fine, one of the few which got the Lilies in just right. They also have a good selection of Rose plants that ought to make a hit with their trade. It would take up too much space here to tell about the rest of the stock the place has. It shows that there is a live man at the head of it, and the stock could not be better.

Owing to the weather conditions, 20 above zero, L. H. Neubeck has not been able to get in his complete stock from his suburban greenhouses, but says that he will have them in time to greet his Easter trade.

W. J. Palmer and wife, and Wm. F. Kasting have gone to New York to attend the Rose show.

Bowling

The averages of scores here given are those of our Club members, up to March 1, who are competing for places on a team of five to be selected to represent the Club at the Rochester convention, the Club paying their expenses:

Sandiford	173	in	50 games
Kasting	172	in	6 games
Neubeck	163	in	40 games
Mellure	162	in	25 games
Wallace	162	in	43 games
Strait	158	in	74 games
Walther	157	in	28 games
Spepton	144	in	31 games
Grever	130	in	43 games
Longley	128	in	26 games
Stunz	127	in	37 games
Slattery	126	in	41 games
Tobin	120	in	43 games
Good	108	in	18 games
Savage	105	in	13 games
Wells	104	in	38 games
Gillis	124	in	42 games

LITERAL.—"This is a dogwood tree," said the guide. "How can you tell," said the stranger. "By its bark," replied the guide.

THERE'S MONEY IN FARMING

If you understand Modern Methods and FARM INTELLIGENTLY

Every reader of the Florists' Exchange who is interested in farming or gardening, in the growing of fruit or of flowers, is invited to send for a free copy of our 80-page catalogue and full information in regard to the Home Study Courses in Agriculture, Horticulture, Landscape Gardening and Floriculture which we offer under Prof. Brooks of the Massachusetts Agricultural College and Prof. Craig of the Cornell University.

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Green Flies and Black ones too

are easy to kill with
The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

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Red Standard Pots

We have these in stock from 1 inch to 18 inches What are your needs for the coming Spring? Let us know them and give us an opportunity to quote you. Our goods are equal to the best; to prove it send us a trial order; small as it may be, it will be appreciated. Try us.

THE KELLER POTTERY CO.
213-223 Pearl St., NORRISTOWN, PA.

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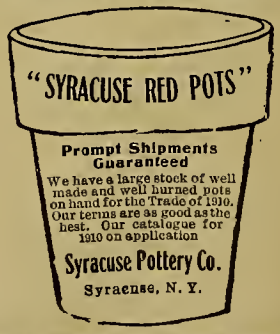

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POT MAKERS FOR 140 YEARS

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The Week's Work

BY

FRITZ BAHR

The Cyclamen

Don't Neglect Them On Account of the Easter Rush

From now on one will notice, more and more, that there is life in the little seedlings. While small they make but little headway, but that shouldn't discourage the beginner. With Cyclamens one has to have patience, and only by faithful attention and proper care can good results be expected. The foundation is now being laid in the way the little plants are being taken care of, as to what to expect next August and September, when with the approach of cool nights the plants are making their strongest growth. If neglected now the stock will most likely be stunted forever—no culture afterward will be able to make up. I don't know any other plant we grow which is more particular about this. Don't allow moss or weeds to get established in the little pots. Stir up the top of the soil and give the plants a light sunny bench. On the hot days a spraying is what the foliage wants; always maintain a moist atmosphere in the house they are in—a dry one is bad for them. Avoid overpotting, and yet if the small stock is in 2's, and after examining them it is found that there are a number of heavy white roots present, give them a shift, even if there are not as many leaves as you would like to see—if the roots are active everything else will come all right.

Carnations

Seasonable Notes on the Old Stock

The good grower will not let up in caring for his plants in the benches any more now than he did before Christmas. The disbudding should go on as regularly as the fumigating. Because Carnations are not bringing a high price in the market is no excuse for not disbudding and yet we have gowers who are inclined to think so. Keep on cultivating—the oftener the better—keep the surface of the bench stirred up, let it breathe, let a few rays of the sun get into the soil. It doesn't hurt one bit to remove some of the grassy growth certain varieties make at the base of the plants. New life begins to show in every plant from now on, and encouraging the Carnations by doses of light liquid cow manure or some other fertilizer is of the greatest benefit—if ever fertilizing is necessary it is now. A great change in the size of the flowers will be noticed a couple of weeks after an application of cow manure, on a bench which had but little food during the Winter months. Another good thing is to give a top dressing of well rotted manure and some light, fine soil—all this helps, and surely pays too. You cannot expect to keep on cutting good flowers without proper care, so don't let the rush of other work make you neglect the Carnations—it does not pay. As long as the plants are inside and expected to furnish flowers they are in need of good treatment; otherwise they will soon be worthless.

Seeds

What to Sow at the Present Time

It's a little early yet for the annuals, such as we sell in Spring for the old fashioned flower border. By the way, quite a trade can be worked up in this line. Take, for instance, Asters, Marigolds, Zinnias, Cosmos, Scabiosas and many others, transplanted seedlings of any of these will sell at 25c. to 35c. per dozen in May. In every town quantities of these plants can be disposed of with a little advertising. Let the people know you handle this class of stock and you are bound to sell it; twelve Asters take up but little more room in a cold frame than a 10c. Geranium would on the bench; in fact, if the Geranium is a good plant it will require more room than a dozen of transplanted Aster plants. Compare the prices! You don't sell many Asters, that is true, but every dozen you do sell helps, therefore push this branch. We will later talk about the varieties of annuals best to grow for cut flower purposes—there is plenty of time for most of them yet. However, certain varieties can be sown now, among them Snapdragon—these always take several months before they are fit to be planted out. Get the dwarf sorts, even they grow tall enough. Cosmos Lady Lenox, that grand sort, can be sown now. Grow a few plants on in pots; by pinching them back nice bushy specimens in bloom can be had by the middle of May. Sow now another lot of Verbenas, they will make fine stock for late blooming; also Petunia Howard Star.

GLASS

We are leaders in GREENHOUSE GLASS

Always have large stock. Always have interesting prices.
Let us quote you before placing order.

SHARP, PARTRIDGE & CO.

2263-2269 Lumber Street, CHICAGO, ILL.

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The Best BUG KILLER AND BLOOM SAVER

For PROOF Write to

P. R. PALETHORPE CO.

Owensboro, Ky.

Please mention the Exchange when writing.

Asters

Time to Think About the Early Sorts

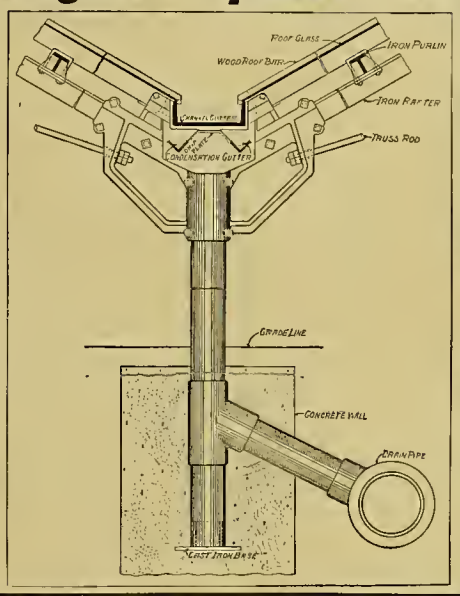
We are just about to sow out a few flats with the early Asters. What kind? I give it up. For years, ever since 1891, we had Reine de Halles, in English Queen of the Market, but there have come out so many new varieties that one hardly knows just what to do. What we are now principally using for those we grow for cut flowers is Hohenzollern, for the best early one. This is a beautiful and large-flowering sort and seems to fill the bill. For the retail grower it is well to sow out in separate colors. Many of us have quite a call for transplanted seedlings, and among them the Asters are much in demand, and separate colors are wanted for this purpose. It is always well with Asters, as well as with any other plant, to give every new variety that comes well recommended a fair trial; but if one would want to attempt this with all of the different varieties we now have in the Asters it would take a good deal of space, and entail an awful lot of bookkeeping. One thing, however, is certain, that while we, only a few years ago, depended entirely on Europe for the seed and the varieties, wonderful changes have taken place. Since a Semple's Branching was introduced and Rochester got busy, some of the grandest of the midseason and late sorts are of American origin and surpass anything that Erfurt has to offer for our climatic conditions and wants. It is too early yet for the sowing out of these sorts, but for the early branching and others a sowing should be made now.

The Pansies

The Plants Over-Wintered Outofdoors

It is a good many years since we have had such an ideal Winter for the Pansies and Forget-me-nots which were outofdoors. Since the snow has disappeared we find the plants in as good condition, exactly, as they were last Fall. The thing now to do is to keep them so, and for that reason we have been covering the frames with sash every evening, removing them during the day time. When there is frost—for hard freezing, such as we can still expect, if it should keep on for several weeks without snow won't do the Pansies any good; they really ought to have a covering of some kind for protection—sash will keep out quite a little of it, and if the freezing should be too severe, place a few shade frames or hoards over the sash, and thereby keep the plants dark while in a frozen state. It is also time to put a few sash over

Payne Dripless Center Gutter



THIS gutter is constructed to take care of the water of condensation from the under side of the glass, and also the sweat from the gutter proper. All of which is connected by the drip plate and carried by the condensation gutters to the pipe supporting the gutter, through which it is carried down along with the roof water to the drain. It casts the least amount of shadow, and is an absolutely strong gutter made of steel in 16 foot lengths and supported by malleable iron brackets.

These gutters are used in connection with

PAYNE "T"-BAR Iron Frame Greenhouses

the lightest and strongest structures on the market today: constructed with Iron Ridge, Iron Purlins, Iron Eaves, Iron Sill, Iron Base.

Send for Descriptive Circular

JOHN A. PAYNE,

Horticultural and Heating Engineer

260-274 Culver Avenue

JERSEY CITY, N. J.

Please mention the Exchange when writing.

Are you going to build a Sash Bar, Semi-Iron Frame or Iron Frame Greenhouse? We have interested others in our methods of construction and in our prices—why not you?

ISAAC CASSIDY,

Summer Ave. and Erie R. R.

NEWARK, N. J.

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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

		Price per crate.			Price per crate.
1500 2 in. pots in crate,		$4.28	120 7 in. pots in crate,		$4.20
1500 2¼	"	" 5.25	60 8	"	" 3.00
1500 2½	"	" 6.00			
1000 3	"	" 5.00	HAND MADE		
300 3½	"	" 5.80	48 9 in. pots in crate,		$3.60
600 4	"	" 4.50	48 10	"	" 4.80
456 4½	"	" 5.24	24 11	"	" 3.60
320 5	"	" 4.51	24 12	"	" 4.80
210 5½	"	" 3.78	12 14	"	" 4.80
144 6	"	" 3.18	6 18	"	" 4.60

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.

August Rolker & Sons, Agts., 51 Barclay St., N.Y. City

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All the Clay

for our

Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.

ZANESVILLE, OHIO

Manufacturers of

GULF CYPRESS
GREENHOUSE MATERIAL
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One of Our New Additions, Containing About One Acre of Floor Space

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Greenhouse Glass
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Fittings, Valves, Tools
Pecky Cypress, The Bench Board
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We are in business 39 years, since 1871; and up to the present day never had a greenhouse built from our material that had to be rebuilt. There is no secret, we only use Louisiana Red Swamp Cypress, air dried and smoothly milled, with drips, grooves, and beveled.

Send for our Free Catalogue and Estimate.
Material Cut and Spliced Ready to Put Together.

S. JACOBS & SONS

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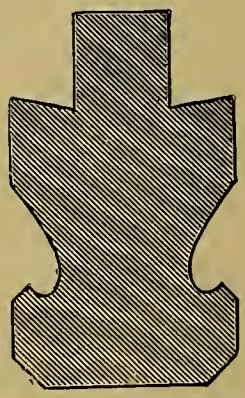

Please mention the Exchange when writing.

the frames which are to receive the Pansies which are now in flats inside. The sash will help to dry out the soil somewhat and make it possible, in a few days, to give the soil a turning over. The first week in April the Pansies can be planted out—that is, if weather conditions are at all favorable—but be sure to have the soil in proper condition. Don't do any planting, no matter of what kind, in wet, sticky soil. The plant you use may be ever so common, and even grow in such material, but the soil, if of a heavy nature especially, should never be handled while wet.

Vegetable Plants

A Good Paying Proposition for the Retail Florist

If you conduct a retail business you are bound to have a call for Tomatoes, Egg Plants and Peppers. With some of us this is quite an item; in fact, for more so than to be considered a side line. We sell, each Spring, from 3000 to 4000 Tomatoes in 2½-in. pots; they sell at 50c. per doz. We have tried almost every kind and novelty which came to our notice, and while we find Earliana about as good a one as any for this section of the country—where we hardly ever get any Tomatoes much before the middle of August, and a frost is to be expected about September 10, yet the variety we mostly grow for our Spring trade is dwarf Champion. After all is said in favor of all the others this is still a good one. It makes a splendid little plant in a pot, better looking than any other, is quite as early as a bearer, doesn't need staking in the garden, and produces about as many good Tomatoes as any other sort. The 20th of March is about right to make the first sowing. When large enough transplant into flats and later into 2½'s; and if short on room, place the pots in frames outofdoors later on. It is also time to sow some New York Purple Egg Plant—you cannot get the plants too large for planting out. We try to get them into 3½'s or 4's. You cannot grow a large enough plant in a 2½. Peppers also can be sown now—they won't get too large. If you have call for early Cabbage and Cauliflower, seed of them can also be sown; this can be done either in flats in the greenhouse or in a hotbed.

F. E.—Best Advertising Medium

MY FRENCH GARDEN

A HORTICULTURAL HOWL BY RICHARD HARBOTTLE

One thing I admire about Lobbius is his cheerfulness in adverse circumstances. Then, he is so practical. He has only one hobby in life—gardening. He knows all about it; at least, he said he did, and I thought he did until I found that he didn't. What he doesn't know about gardening would fill any ordinary book on the subject, especially on French gardening.

When he dropped in and suggested that I should forego the ordinary sowing of vegetable seeds for the amusement of the fowls next door, and try French gardening instead, the idea rather tickled me—until he mentioned the outlay. But he explained that the original sum would easily be covered ten times over by the stuff I should produce. Being forced, and out of season, it would fetch enhanced prices.

"It's the simplest method of gardening under the sun," he said. "The usual way is to grow everything in a bed of fertilizer to get heat, and cover it with glass. But that's getting old-fashioned. The new method of running hot-water pipes under the soil is the idea."

He didn't say whose idea—which, perhaps, was as well. But he gave me a list of the appliances required, and told me to let him know when they arrived. My part was simply to pay expenses. He would put in all the brains and I should take all the profit.

There were to be fifty "cloches" or bell-glasses, and twenty-five "chassis." Having ordered these, I had to persuade a local plumber to get a horticultural bent in his mind, for the purpose of putting the hot water pipes under the soil. It was only necessary, then, to order the seeds for things to be getting well in hand.

The plumber started on the same afternoon, and brought enough piping to reach from St. Paul's to John o' Groat's, put end to end. Having seen this deposited on one side of the garden I left him digging up the other side.

The next afternoon I met him wandering about the passages of the house and in the cellars. He said somebody had moved the piping he brought. We searched for a couple of hours, and then the old fool found it where he had left it, underneath the earth he had thrown up. While he was excavating I popped round to Lobbin's house to report progress. In my absence a carman arrived with a load of cloches in a cart. He "upended" this in one corner of the garden, and smashed forty-nine out of the fifty.

"Didn't know they were breakable," he said.

"A bit awkward," said Lobbins, unperturbed; "but they're only eighteenpence each. Better order some more. What about the chassis?"

The chassis came that afternoon. Somehow, my order had strayed into a motor works, and instead of vegetable covers with three lights each, I got the first consignment of frames for fifty motor-cars. That's the worst of these French terms.

Owing to a few profuse leakages in the pipes we were paddling about in hot water half the time. This proved to be rather a nuisance. Every now and again I had to go and haul my plumber away from his dinner to see to a leakage, and he would have to disintegrate a bed of Cantaloupe Melons to get at the vital spot. He said it was the last time he would ever take on a job of subterranean plumbing.

It was the last time he ever would for me. If that conglomeration of pipework had been intended to flood the district with hot water it would have been a howling success; for that's what it did. Any time of the day you could go down in our coal cellar and get a hot bath without needing to prepare it.

Jimson tried to sneer at our efforts. He is jealous of Lobbins.

"There's one thing, old man," he said, "if the gardening don't pan out well you've got a grand imitation of the Paris floods—so that's something."

Meanwhile, the plumber's failure was getting me into hot water. My neighbor, Galipood, complained that his rabbits were being stewed in their beds and the chickens had taken to laying hard-boiled eggs. More than that, the early Carrot seed went off on the flowing tide out of my garden and took root among his prize Orchids.

I tried a new plumber then and got the thing properly done. This accomplished, I threw off my coat and had the whole of the seeds in in one day while Lobbins sat on a barrel and directed operations. There were early Cauliflowers and Tomatoes, Mustard and Cress, Cucumbers and Strawberries, and Rhubarb and Radishes.

Seeing that these things have a way of simply bounding up out of the ground under the French system, I took the opportunity that evening of erecting a shed by candlelight to store my goods when Nature started hustling them through the earth. To lose no time, I hurried down into the town, and fetched a contractor out of bed to arrange for carting the goods round to the dealers.

Nothing had happened by the next morning, except that the local cats imagined my cloches were meat covers, and had raked a few tunnels into them. The hot water arrangements worked splendidly in heating the frames ready for my young Lettuce. In the interval three of them were inhabited by tramps, who seemed very unwilling to turn out.

The first real excitement came the next night, when the bull from an adjoining meadow broke through the fence under the impression that my garden was a china shop. A few generous wayfarers tried to drive him out with a volley of bricks, but owing to their erratic aim, about seventeen of my chassis were soon put hors de combat.

This is where Lobbins' philosophy comes in. Nothing discourages Lobbins.

"It's heartbreaking at first," he said; "but the joyful time is when the seeds begin to come up. A few days more, and you will lie in bed and hear the Lettuces nosing their way through the soft, brown earth, and then you will know success is at hand."

It was a tempting prospect. I waited three days for it to happen. On the fourth morning the first Lettuce nosed its way through about three a. m. with a fearful report. It shook a few ornaments off the mantelshelf, and brought down one of the chimneypots. I don't

(*Concluded on page 560*)

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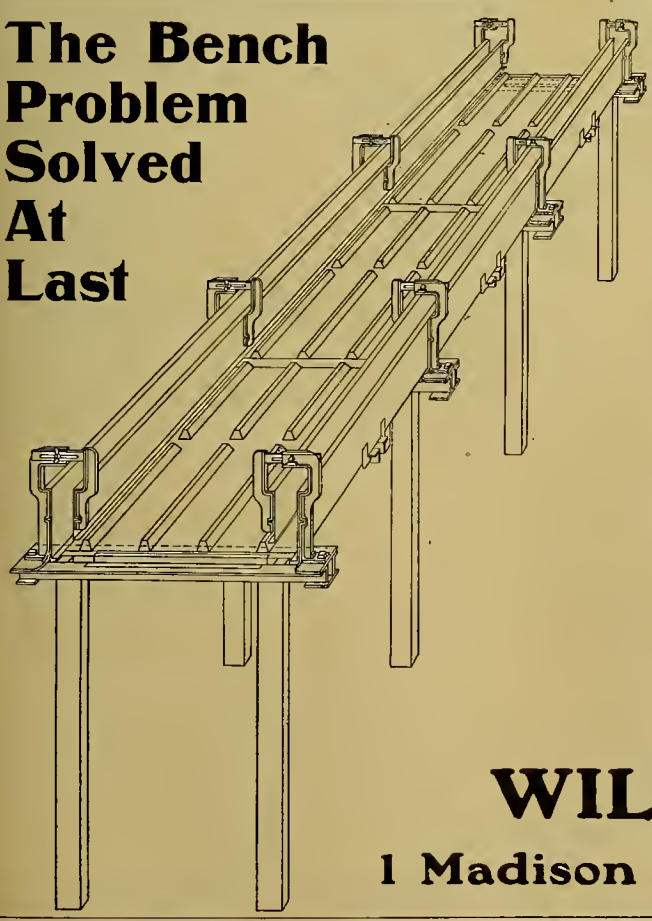

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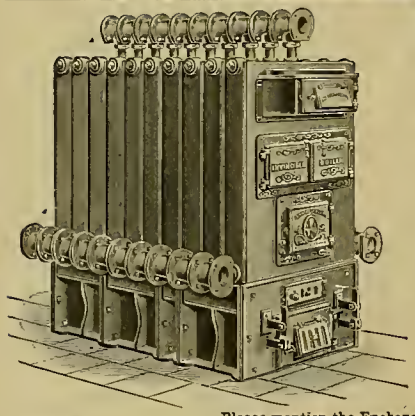

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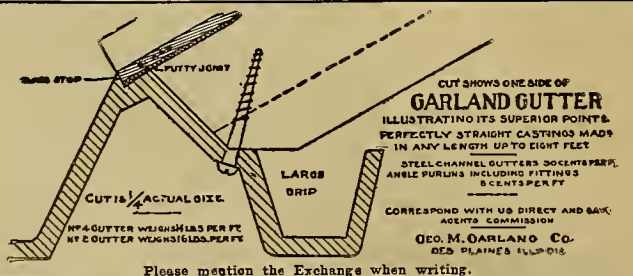

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By PETER BISSET. Price, postpaid, $2.50.

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know how the soft, brown earth took it, but the velvety night seemed to have got a shock. Success was evidently at hand in earnest. When I went down to investigate, I found it wasn't a Lettuce at all, but the boiler my new plumber had sunk at the top of the garden. It had burst, and brought up all the seeds, and the earth, too, and had distributed them over Acacia avenue. The underground pipes were hanging on the front facade of our villa, and fragments of cloche and chassis, which anon had explored the Milky Way, were dropping with a soft patter.

The same afternoon I sold the mangled pipes to a ragman for twopence, and opened the front door every few minutes to hear what some neighbor had to say about my French experiment in plain English.

But the result of that little seed shower was curious. In the ensuing Spring young Lettuce and Cauliflower might be seen sprouting on the roofs of our neighborhood, and householders began to find Radishes among their Pansies and long Parisian Turnips lurking in the Mignonette.

My theory was that Lobbins made a mistake in being too advanced with his hot water apparatus. So a little later, I quietly got in a few loads of fertilizer from a livery stable keeper, and experimented in French gardening on my own.

And I found in this case that my fertilizer effectively kept away tramps. It also kept off visitors, and it was only the cook's deep-seated affection for us that prevented her giving notice.

Unfortunately, at the moment when my first batch of seeds got through there came a frantic wire from Miriam's mother. She was in the hands of three doctors and did not expect to recover. We tore away to the bedside and remained there an anxious fortnight.

Of course, she got well. But when we returned to Dulham, I had some difficulty in finding our house. The fertilizer had done its work so well that Acacia Villa now stood in a jungle of giant Turnips, mammoth Cauliflowers, and Lettuce Eiffeltoweris. It was a tribute to the French method of forcing, but I draw the line at being forced out of the house and home. I cut my way through to the back door, rescued the cook with the empty brandy bottle in her hand, and telephoned for help.

It took some time to get the garden back to its primeval state. But it will take longer, I'm afraid, to banish the memory of that fertilizer. Even now people walk by habit on the other side of the road. And the garden ground is still so rich that it takes my odd man most of his time to keep the weeds down.

I am thinking of silencing it for ever with a broad bed of concrete.—*From Answers (Eng.)*

New Bedford, Mass.

The cut flower trade has been rather slow the past week. Funeral work is very good. Flowers are now quite plentiful here. Carnations that are coming in this market are of good quality, retailing at 50c. and 60c. per doz. Roses sell at $1.50 per doz.; Violets at 75c. to $1 per 100; Sweet Peas at $1 per 100. Bulb stock is quite plentiful. Callas and Lilies, $2 per doz. retail. Mignonette at 50c. per doz. Freesias are about all gone; these flowers are used here mostly for funeral work.

Wm. P. Peirce on Union st. has some nice flowering plants in his window these days; he is still receiving some of those famous Violets from J. Harvey Briggs.

J. H. Cleary finds plenty of use for his handsome delivery wagon.

E. H. Chamberlain was on the sick list the past week, and unable to be at the store most of this time.

A few Spring openings have helped business a little the past week. Wm. P. Peirce had some nice little Shamrocks from Leonard Cousins for St. Patrick's Day; these sold at 10c. the pot.

Our street fakir was with us again last Saturday; he had an enormous quantity of Roses and Carnations for sale; an effort will be made to put a stop to his cheap business, as this must be a grievous harm to the high rental stores uptown.

Prospects for Easter trade are good.

Garden work will now soon be commenced around here. Peter Murray of Fairhaven does a large business in this line, he having as many as 20 men going at times. He will build additional houses this coming season.

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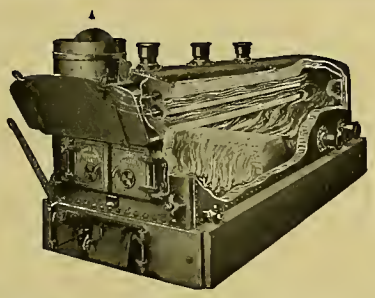

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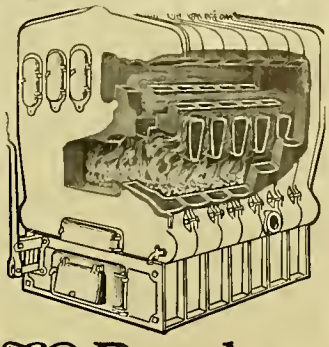

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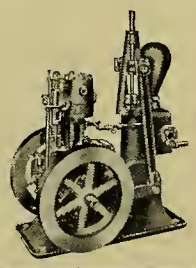

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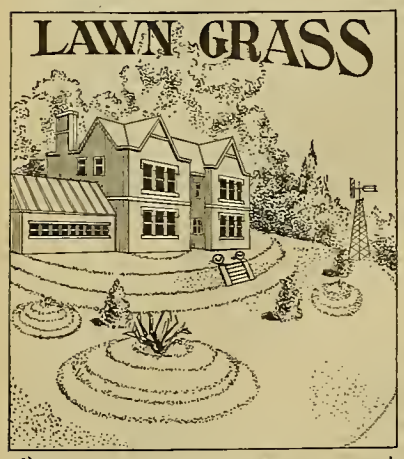

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Lemoine's Hybrids, mixed. First size	1.75	15.00

DAHLIAS

Double Large-flowering and Cactus, leading varieties, mixed	1.00	6.00

LILIES

Auratum ..Per 1000, $72.50	1.25	8.00
Speciosum, Album	1.25	9.00
Rubrum or Roseum	1.25	8.25

MADEIRA VINE

Extra Strong Roots	.30	2.00

TUBEROSES

Dwarf Double Pearl (Excelsior) 4x6 in....1000, $8.00		1.00

WM. ELLIOTT & SONS 42 Vesey Street NEW YORK

Please mention the Exchange when writing.

New Double Lobelia

"KATHLEEN MALLARD"

We can furnish excellent plants of this splendid novelty in 2½-inch pots, at $6.00 per 100, or $50.00 per 1000.

RAWSON'S LEADING ASTERS

QUEEN OF THE MARKET ASTER

This is the best early out-of-door Aster. In colors as follows: Dark Blue, Light Blue, White, Rose, Peach Blossom, Crimson, per ¼ oz., 20c.; per oz., 60c. All colors mixed, per ¼ oz., 15c.; per oz., 50c.

RAWSON'S NEW MIDSUMMER ASTER

This is one of the best Asters for Midsummer or late crop and we recommend it highly. Flowers are large and are borne on erect long stems, often 2 feet in length. We offer the following colors: Pure White, Delicate Shell-Pink, Royal Purple, True Lavender, and Bright Rose, per ¼ oz., 60c.; per oz., $2.00. All colors mixed, per ¼ oz., 50c.; per oz., $1.50.

RAWSON'S LATE BRANCHING ASTER

This is the best American Branching Aster grown to-day. It is a late cropper and a money-maker. Flowers grown from our seed invariably bring from ½ to 1c. a flower more in the wholesale market than other similar strains. We can furnish the following separate colors: Crimson, Dark Blue, Light Blue, Rose Pink, Shell-Pink, Scarlet, and White, per ¼ oz., 30c.; per oz., $1.00. All colors mixed, per ¼ oz., 25c.; per oz., 75c.

We have many other good strains of Asters and specialties for Florists all described in our special catalogue to florists (mailed free).

W. W. RAWSON & CO., SEEDSMEN BOSTON, MASS.

Please mention the Exchange when writing.

Please mention the Exchange when writing.

Special Gladiolus Offer

AMERICA

A few points of merit—Color: A beautiful soft flesh pink, very light and much like "Enchantress" Carnation, except slightly tinged with lavender. Size: growth very strong and healthy, producing beautiful dark green foliage and strong, erect spikes of the largest flowers. Purposes: For florists' use its color makes it everything to be desired; delicate, attractive and absolutely new. It is most desirable for planting in beds in parks, private estates, etc.

AMERICA. The best commercial pink in existence. 1st size bulbs, 100, $4; 1000, $30; 5000, $125.

ATTRACTION. Deep, dark, rich crimson with a very conspicuous large pure white center and throat. At once a most beautiful and attractive sort. 100, $4.00; 1000, $35.00.

AUGUSTA. Lovely pure white with blue anthers. 1½ to 2½ inches. 100, $2.25; 1000, $20; 5000, $90.

BLUE JAY (Baron Hulot). The finest blue Gladiolus yet seen. It is a rich deep color of indigo shade. The only real blue Gladiolus on the market. 100, $9.00; 1000, $75.00.

BRENCHLEYENSIS. Extra fine red variety. 1½ to 2½ inches. 100, $1.50; 1000, $12.00; 5000 $55.00.

COLUMBIA. Light orange scarlet, freely blotched and penciled with bluish-purple. Throat freely mottled. 100, $2.00; 1000, $15.00; 5000, $70.

CERES. Pure white, spotted with purplish rose. 100, $1.50; 1000, $12.00; 5000, $56.00.

MAY. A lovely pure white flower, finely flaked, bright rosy crimson. 100, $2.00; 1000, $15.00; 5000, $70.00.

NEZINSCOTT. Bright blood scarlet, with deep velvety crimson black blotches, and white mottlings in throat. 100, $4.00; 1000, $30.00; 6000, $145.00.

PRINCEPS. Rich crimson with very deep shadings in the throat and broad blotches on lower petals. 100, $10.00.

SALEM. Fine salmon-pink, maroon blotches. 100, $6.00; 1000, $40.00.

Gladiolus America

SULPHUR KING. The finest yellow Gladiolus. 100, $15.00; 1000, $140.00.

GLADIOLUS IN MIXTURE.

	100	1000	5000
Trial Grounds Mixture	$1.50	$10.00	$45.00
Groff's Hybrids Mixture	1.50	12.00	58.00
White and Light Mixture	1.50	12.00	58.00
Pink and Rose Mixture	1.50	12.00	58.00
Red and Scarlet Mixture	1.50	12.00	58.00
Lemoine's Extra Fine Mixture	1.00	10.00	45.00
American Hybrids Mixture	1.00	8.00	35.00
Childsii Mixture	1.50	12.00	58.00

Stumpp & Walter Co.'s High-Bred Asters

Asters are our specialties, and great care is taken to have only the best and those that will give the greatest satisfaction. We have been very highly complimented on the choiceness of our strains.

ASTER. Queen of the Market. This is the earliest of all, fully three weeks earlier than other Asters. Selected stock.

	Tr. pkt.	¼ oz.	Oz.
White	$0.10	$0.15	$0.50
Crimson	.10	.15	.50
Rose	.10	.15	.50
Light blue	.10	.15	.50
Dark blue	.10	.15	.50
Flesh color	.10	.15	.50
Lilac red	.10	.16	.50
Mixed	.10	.15	.40

ASTER. S. & W. Co.'s Selected Late Branching. One of the best branching Asters for cut flowers. Our strain of this splendid Aster is grown specially for us, with the greatest care.

	Tr. pkt.	¼ oz.	Oz.
Pure white	$0.20	$0.30	$1.00
Lavender	.20	.30	1.00
Purple	.20	.30	1.00
Crimson	.20	.30	1.00
Shell pink	.20	.30	1.00
Rose	.20	.30	1.00
Carmine	.20	.30	1.00
Mixed	.10	.20	.75

ASTER. Hohenzollern. Excellent robust new class, with enormous flowers, superb for cutting and exhibiting; flowers often measuring 6 to 8 inches in diameter.

	Tr. pkt.	¼ oz.	Oz.
White	$0.25	$0.75	$2.00
Rose	.25	.75	2.00
Dark blue	.25	.75	2.00
Crown Prince	.25	.90	3.00
Syringa blue	.50	1.50	5.00
Mixed	.25	.75	2.00

ASTER. Purity. One of the finest white Asters grown, either for pots or cutting. Trade pkt. 25c., ¼ oz. 75c., oz. $2.50.

ASTER. Daybreak. Counterpart to Purity, with a fine rose color similar to Daybreak Carnation; very fine. Trade pkt. 25c., ¼ oz. 75c., oz. $2.50.

ASTER. Giant Comet.

	Tr. pkt.	¼ oz.	Oz.
Pure white	$0.25	$0.75	$2.00
Dark blue	.25	.75	2.00
Light rose	.25	.75	2.00
Mixed	.20	.60	1.75

ASTER. Hercules. White. Remarkable new introduction, semi-dwarf, huge pure white flowers of most refined shape; the best white flowering Aster we have ever seen. Pkt. 25c., ⅛ oz. $1.00, ½ oz. $3.50, oz. $7.00.

ASTER. Splendor. Upright flesh pink. In this variety we have one of great value. It has many qualities which commend it highly, not only in the habit of growth, but in size, form of flower, and in color, which is one of the most desirable in an Aster, being of a beautiful light flesh pink, a shade which can be used in nearly all floral work. The plant has the ideal habit of an upright growing sort. Pkt. 25c., ¼ oz. $1.75, oz. $5.00.

ASTER. Vick's Violet King. The peer of the grandest Chrysanthemum. The habit is similar to the popular Vick's Branching, vigorous in growth, long, stiff stems; petals somewhat resemble the quilled varieties but much larger and broader, completely covering the crown. In shape and size the bloom is round, full and large, many of the flowers 4 to 6 inches. Its color is a soft violet-lilac. Trade pkt. 25c., oz. $1.50.

Stumpp & Walter Co. 50 Barclay St. NEW YORK

Please mention the Exchange when writing.

JOHNSON'S Superior Quality **ASTER SEED** FOR FLORISTS

The highest developed types from the leading American and European Specialists.

See our Bulb offer in last week's Exchange

Queen of the Market. Extremely early selected stock.

	Large tr. pkt.	Oz.
Dark blue	$0.20	$0.60
Light blue	.20	.60
Pink	.20	.60
Crimson	.20	.60
White	.20	.60
Mixed	.20	.60

Johnson's Superb Late Branching. The finest strain offered to the trade. Late flowering, resembling a Chrysanthemum.

	Large tr. pkt.	Oz.
Lavender	$0.25	$1.00
Rose-pink	.25	1.00
Shell pink	.25	1.00
Purple	.25	1.00
Crimson	.25	1.00
White	.25	1.00
Choice Mixed	.20	.90

Hohenzollern. Flowers measure 4 to 5 in. across.

	Large tr. pkt.	Oz.
Azure blue	$0.25	$1.25
Bride. White changing to rose	.25	1.25
Crimson	.25	1.25
Pink	.25	1.25
White	.25	1.25
Mixed	.20	1.00
Snowdrift. Pure white. The earliest large-flowering white Aster	.30	2.50
Violet King	.25	1.50
White Fleece. Pure white	.30	1.75
Daybreak. Delicate pink, very double	.30	1.75
Purity. Pure white	.30	1.75
Lavender Gem	.30	2.25
Royal Purple. Extremely early. Invaluable for cutting	.25	1.50

JOHNSON SEED CO., 217 Market Street, PHILADELPHIA

Please mention the Exchange when writing.

Seasonable Seeds

CALADIUM esculentum, Fancy Caladium from Brazil. GLADIOLI, all sorts. Japan IRIS. Japan LILIES. Double-flowering CHERRIES for Easter. Send for our new Spring list. Ready by January 10.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.

XXX STOCK

LOBELIA, Blue Star, the new, dwarf, single blue; the finest in existence, extra strong and fine, 2-in., $2.00 per 100.

AGERATUM Princese Pauline, very fine and strong, $2.50 per 100.

VERBENA California Giant, strong and fine, mixed colors, 2-in., $1.50 per 100.

HELIOTROPE, dark, extra strong and bushy, 2½-in., $4.00 per 100.

STAR PETUNIA, XX Strong, 2¼-in., $3.00 per 100.

PHLOX, Finest Dwarf Mixed, strong 2-in., two in pot, $1.50 per 100.

SALVIA, Bonfire, finest grown, strong 2-in., $2.00 per 100.

GIANT PANSIES, finest mixed, extra fine plants, $2.50 per 1000.

XXX SEEDS

GIANT PANSY, finest grown, critically selected 6000 seeds $1.00, ½ pkt. 50c., oz. $2.50.

CHINESE PRIMROSE, finest grown, single and double, 500 seeds $1.00, ½ pkt. 50c.

PRIMULA Kewensis, the grand, new, sweet-scented, Yellow Primrose, pkt. 20c.

CINERARIA, large flowering dwarf mixed, 1000 seeds 50c., ½ pkt. 25c.

CASH. Liberal extra count.

JOHN F. RUPP, Shiremanstown, Pa.
RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

FRESH TESTED
VEGETABLE AND FLOWER SEEDS for Store Trade

In lithographed packets, with directions for cultivation on the reverse side of the packet.
Send for list of varieties and prices.

GOELLER BROS., Seedsmen,
159 HAMILTON AVE., TRENTON, N. J.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

S. M. ISBELL & CO.
JACKSON, MICH.

Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.

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MICHELL'S SEEDS GIVE RESULTS
1018 & 518 MARKET STREET.
PHILADELPHIA, PA.

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BURPEE'S SEEDS
PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

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SCHLEGEL & FOTTLER CO.
BOSTON, MASS.
SEEDS
For Florists, Market Gardeners and Critical Buyers
Wholesale list mailed to those using seeds in quantity

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Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

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The book of WATER GARDENING
By Peter Bisset. Price, postpaid, $2.50
A. T. DE LA MARE PTG. & PUB. CO. Ltd
2 Duane St. New York.

GET QUOTATIONS FROM
LANDRETH SEEDS which SUCCEED
Bloomsdale Farms **Bristol, Pa.**

Please mention the Exchange when writing.

Try The Following

CINERARIA—Extra Choice Mixed
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
PANSY—"Burnett's Gorgeous Strain."
STOCKS—"Burnett's Perpetual White."
CAULIFLOWER—Burnett's Selected "Snowball."

Write for our Illustrated Catalogue
BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

AMERICAN SEED TRADE ASSOCIATION

President J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec. Leonard H. Vaughan, Chicago.

IMPORTS, ETC., March 16, 1910.—Speyer & Co., 2 cases plants; International Banking Corporation, 275 bags seed; Muller, Schall & Co., 200 bags seed; O. G. Hempstead & Son, 6 packages plants, etc.; Maltus & Ware, 50 packages plants, etc.; Maltus & Ware, 160 packages plants, etc.; 2 cases bulbs; Vaughan's Seed Store, 19 cases plants, etc.; Amerman & Patterson, 29 packages plants; McHutchison &Co., 40 packages plants. March 16.—J. M. Thorburn & Co., 9 cases plants; F. B. Vandegrift & Co., 1 case plants. March 17.—Speyer & Co., 2 cases plants; R. F. Lang, 1 case seeds; G. Americk & Co., 100 bags seed. March 18.—McHutchison & Co., 3 boxes plants; International Banking Corporation, 275 bags seed. March 19, 20.—Kuntze Bros., 100 bags Sunflower seed; Brown Bros Co., 196 bags Hemp seed; Irving National Exchange Bank, 100 cases Sunflower seed; Tice & Lynch, 1 crate plants; R. J. Goodwin's Sons, 11 cases plants; Morris Europe Ex. Co., 5 packages seed; L. A. Fennel, 2 cases live plants; J. Roehrs Co., 32 cases plants. March 21.—Wakem & McLaughlin, 1 case bulbs; O. G. Hempstead & Son, 1 case bulbs; W. Elliott & Sons, 10 cases plants; F. B. Vandegrift & Co., 2 cases plants; Maltus & Ware, 3 cases plants; C. B. Richard & Co., 78 cases plants, 328 loose plants; R. F. Downing & Co., 2 boxes Lily buds; Wells, Fargo & Co., 91 boxes Lily buds; Hucca & Co., 1 case plants; Norton & Son, 1 case plants; H. Pollock, 3 barrels seed; Tice & Lynch, 25 packages seed.

European Notes

King Sol having warmed us up to 92° Fahr. wept for joy the next day and hasn't been able to dry his eyes since, so that we are enjoying a spell of very seasonable weather and the rampant vegetation has received a very welcome check.

As a general remark the season in western and southern Europe is fully three weeks ahead of last year. Along the Mediterranean littoral the florists are unable to rush the flowers to the markets in time, while from the Scilly Isles, further north, fifty tons of Daffodil blooms per week are helping to glut the markets, and an equal quantity is allowed to perish in the fields, as it does not pay to cut them.

We are advised by the southern growers that they will be able to supply new crop Primula seed in a very few weeks, while the British growers of florists' strains of this article expect their new crop will be ready a full month ahead

"Horseshoe Brand" Products

"NOT HOW CHEAP— BUT HOW GOOD"

Melancholy is derived from two Greek words meaning "black bile." It was formerly supposed that a man who was always dejected in spirits had an excess of bile in his liver, or, in other words, had a "black liver." Such a man usually wears a face like a chicken with the pip. McHutchison calls them "Pisterines"—they make up the Chronic kicker class. Some are dead-beats. We are thankful to say that the great majority of florists are the best hearted people in the world—they go about their business with a smile and take the world à la Sunny Jim. Those are the kind we like to trade with. They are the successful kind too—they buy the best bulbs and grow them well. If you are not a Pisterine and want good bulbs, write us.

RALPH M. WARD & CO.
12 West Broadway—New York

Please mention the Exchange when writing.

Boddington's Quality Sweet Peas

SOW NOW FOR SUCCESS

Remember you may deduct 5 per cent. if cash accompanies the order

25c. per lb.;

Agnes Johnstone. Soft light pink.....
Apple Blossom. Rose and white.....
Bolton's Pink. Orange-pink.....
Blanche Ferry. "Extra early," rose and white.
Black Knight. Maroon.....
Dainty. Light pink.....
Duke of Westminster. Blue and purple...
Dorothy Eckford. Pure white.....
Earliest of All. Pink and white.....
Emily Henderson. Pure white.....
Evelyn Byatt. Orange-pink.....
Emily Eckford. Mauve and blue.....
Flora Norton. Blue and purple.....
Honorable Mrs. E. Kenyon. Pale yellow..
Jeannie Gordon. Light pink.....
Janet Scott. Pale yellow or primrose.....
Katherine Tracy. Pink shades.....
King Edward VII. Crimson-scarlet.....
Lovely. Light pink.....
Lady Grisel Hamilton. Lavender and mauve.
Lottie Eckford. Lavender and mauve, picotee edged .....
Lord Nelson. Violet and indigo.....
Mont Blanc. Pure white.....
Miss Willmott. Orange-pink.....
Mrs. Walter Wright. Mauve and blue....
Mrs. Geo. Higginson, Jr. Lavender and mauve .....
Mrs. Collier. Pale yellow.....
Navy Blue. Violet and indigo.....
Othello. Maroon .....
Prima Donna. Pink.....
Queen Alexandra. Crimson-scarlet.....
Queen of Spain. Light pink.....
Queen Victoria. Pale yellow or primrose...
Romolo Piozzanni. Mauve and blue.....
Salopian. Crimson-scarlet .....
Stella Morse. Light pink and primrose....
Shazada. Maroon .....
Shasta. Pure white.....
Sadie Burpee. Pure white.....
White Wonder (double), pure white.....

10c. Per ¼ lb.;

Black Michael. Maroon, lb. 35c., ¼ lb. 15c., oz. 10c.
Earliest Sunbeams. Pale yellow or primrose, lb. 40c., ¼ lb. 15c., oz. 10c.

50c. per lb.; 1 per ¼ lb.; 10c. per oz.

Duke of Sutherland. Maroon.....
***Gladys Unwin.** Light pink.....
Helen Pierce. Violet, feathered white.....
Henry Eckford. Salmon-orange.....
***Her Majesty.** Rose-crimson.....
***Mrs. Alfred Watkins.** Light pink.....
***Nora Unwin.** Pure white.....
***Paradise.** Light pink.....
Phenomenal. Lavender and mauve, picotee edged .....
***Primrose Spencer.** Pale yellow or primrose .....

75c per lb. 25c. per ¼ lb. 10c per oz.

***Countess of Spencer Hybrids, Mixed**...
***E. J. Castle.** Rose-crimson...
***Frank Dolby.** Lavender and mauve.....
***Phyllis Unwin.** Deep rosy carmine, self..

$1.00 per lb. 40c. per ¼ lb.; 10c per oz.

***Countess of Spencer** (true stock). Light pink .....
†**Christmas Pink** (Boddington's). Pink and white .....
†**Christmas White** (Boddington's). Pure white .....
†**Florence Denzer.** Pure white.....

5c. per oz.

Earliest White. Pure white, lb. $1.25, ¼ lb. 40c., oz. 10c.....

$1.50 per lb.; 40c. per ¼ lb.; 15c. per oz.

***Enchantress.** Light pink.....
***Florence Morse Spencer.** Pink shades...
***George Herbert.** Almost self-carmine.....
***Helen Lewis.** Orange-pink.....
***John Ingman.** Rose and white.....
***Prince Olaf.** Striped and mottled blue, white ground .....
***White Spencer.** Pure white.....

	Per lb	¼lb.	Oz.
†**Watchung.** Pure white.....	$1.75	$0.50	$0.20
†**Snow Bird** (Boddington's). Pure white	2.00	.75	.20
†**Canary.** Pale yellow or primrose.	2.50	1.00	.30
†**Flamingo.** Rose-crimson	5.00	1.50	.50

Those marked with a * are Countess of Spencer or Unwin types.
Those marked † are Winter-flowering.

ARTHUR T. BODDINGTON
Seedsman, 342 West 14th St., NEW YORK CITY, N.Y.

Please mention the Exchange when writing.

J. BOLGIANO & SON

WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS

BALTIMORE, MD.

Please mention the Exchange when writing.

of last year. The outlook for our indoor cultures is very rosy but when we examine our outdoor cultures there is a very different story to tell.

The worst crop of all appears to be Cabbage. A careful survey, which has been possible since the fine weather started in, shows us that the forcing temperature has hastened the destruction instead of the development of the plants. Stem rot is badly in evidence and for this there is not any known remedy. Very short crops are an absolute certainty, and this in spite of the fact that very large acreages were arranged for. On the lighter lands we are now able to sow our stock seeds for next year, but growers fight shy of this culture which has not paid so much as the manure bill for the past three years. Higher prices are being paid in every case, but even this does not help us to the much needed reserve stock, while the extraordinary demand for this article is clearing out every pound we possess. Trade in general is at its very best just now and it is practically impossible to keep pace with the orders. In the writer's early days letters were costly and telegrams were unknown, but now the one cent postal cards are despatched every hour of the day and if the goods are not promptly received the telegraph, and that monster of iniquity the telephone, disturb the seedsman's peace.

Shortages are keenly felt, especially in Radish, Peas, some varieties of Onion and Broad Beans. So many of the latter were unsalable on account of being badly stained by the rains, that there has not at any time been more than half the supply needed for an average demand, and this year it appears that an additional 20 per cent. is included in every order. It is doubtful if so much as a sack of the green Windsor Beans could be obtained from the wholesale houses in London.

The boom in the seed trade in England is causing a great advertising campaign, the two extremes of which are to be found in the handsome publication of Sutton and Sons "In a Garden Fayre" and the full-page advt. in the principal London daily papers of one of the pioneer dealers in penny packet seeds. It is stated that the penny packet seedsman visited your country in 1908, and he has evidently imbibed some American ideas.

It is officially notified in the Gazette that Watkins & Simpson, Ltd., London, have filed, under date of Feb. 19, notification of raising £20,000 debenture bonds, the amount of the present issue being £10,000, general charge.

Messrs. Cutbush, and their traveler, Holden, have been committed for trial on one count of the proceedings taken against them under the Corrupt Practices Act. Their counsel states that he has a complete answer to both charges. In the meantime the order for the "Scotch Insecticides" has not been produced.

American Notes

The Seed Trade Reaches Its Height

From all sections come reports that the great rush of the season in all lines of seed selling is well started, and from now on the amount of seeds to be put out each day will practically depend only upon the capacities of the various seed firms. Easter week is always especially busy, for the reason that so many seedsmen add flowering plants and Easter novelties to their stocks. Outside of the larger cities, the sales of Easter plants have, during the past few years, wonderfully increased with those seedsmen who have made a specialty of this line; Lilies, both cut and in pots, Azaleas and bulb stock of all kinds, both in pots and as cut flowers, seem to be the best sellers. Of course, Roses, Carnations, Violets, Lily of the Valley and other seasonable cut flowers when added enjoy good sales, but, as a rule, good potted plants and some decorative stock, such as Palms, Araucarias, etc., make up the Easter sales; so, taken all together, Easter is always one of the busiest times of the entire season with the seedsmen. In some sections of the country the persistent cold weather has had a tendency to keep counter retail trade at a point somewhat lower than it will be

SWEET-PEAS

Special offer of leading varieties for Florists.

	Lb.
Blanche Ferry. Extra early, pink and white	$0.25
Countess of Radnor. Lavender....	.25
Countess Spencer. Giant flowering pink	.70
Dorothy Eckford. The best white of the standard vars.	.25
Duke of Westminster. Clear purple	.25
Gladys Unwin. Giant fig., soft pink	.40
King Edward VII. The best red variety	.25
Lady Grisel Hamilton. The best Lavender var.	.25
Primrose Spencer. Primrose yellow	1.00
Salopian. (Sun proof) scarlet, very large	.25

WEEBER & DON, SEED MERCHANTS and GROWERS
114 Chambers St., New York

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS
SEND FOR LIST
ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

CABBAGE

Waksfield and Succession, $1.50 per 1000.
BEET Plants, $1.25 per 1000.
PARSLEY, 25c. per 100, $1.25 per 1000.
LETTUCE, Big Boston, Boston Market and Grand Rapids, $1.00 per 1000.
Cash with order.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

Please mention the Exchange when writing.

CAULIFLOWER CABBAGE SEED

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

Please mention the Exchange when writing.

SPRING BULBS

Tuberoses

EXCELSIOR PEARL—

	Per 100	1000
Monsters	$1.25	$12.00
No. 1, large	.90	7.50
No. 2	.60	4.00

Tuberous Begonias

	Per doz.	100	1000
Single Mixed	$0.30	$2.25	$22.00
Separate Colors .	.35	2.50	23.00
Double Mixed ...	.50	4.00	37.00
Separate Colors .	.60	4.25	38.00

Gladiolus

FLORACROFT MIXTURE—

	Per 100	1000
No. 1	$1.50	$10.00
No. 2	1.00	7.50

STOKES' SEED STORE
219 Market St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Your Money is well spent when you advertise in
THE FLORISTS' EXCHANGE
2-8 Duane St., New York.

ELEPHANT'S EAR

Caladium Esculentum

Bulbs 6 to 8 inches in circumference, 200 in a case, 25c. per doz., $2.00 per 100, $15.00 per 1000.

Bulbs 8 to 10 inches, 100 in a case, 50c. per doz., $3.50 per 100, $30.00 per 1000.

Bulbs 10 to 12 inches, 75 in a case, 75c. per doz., $5.50 per 100, $50.00 per 1000.

Bulbs 12 to 13 inches, 50 in a case, $1.00 per doz., $8.00 per 100, $75.00 per 1000.

Monster bulbs 13 inches and upward in circumference, 25 in a case, $1.50 per doz., $12.00 per 100.

Full cases at 100 rate

"Red Seal Brand"

Excelsior Pearl Tuberoses

4 to 6 inches

$7.50 per 1000; $1.00 per 100

ARTHUR T. BODDINGTON
SEEDSMAN
342 West 14th Street
NEW YORK CITY, N. Y.

Please mention the Exchange when writing.

Gladioli

Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck and Pactole.

LILIES, IRIS, CINNAMON VINES and other bulbs for Spring planting.

Send for prices.

E. S. MILLER
WADING RIVER, LONG ISLAND, N. Y.

Please mention the Exchange when writing.

60,000 GLADIOLUS BULBS

¾ to 1¼ at $2.00 per 1000, 1¼ to 1½, $4.00 per 1000, 1½ and up, $5.00 per 1000. Mixed Colors Gandavensis and Lemoine. All kinds of Vegetable Plants. Contract growers of Tomato and Pepper Seed, and Asparagus Roots.

I. & J. L. LEONARD, Iona, N. J.

Please mention the Exchange when writing.

CANNAS

KING HUMBERT, CHAS. HENDERSON, EX. CRAMPBELL, MAD. CROZY, ALPHONSE BOUVIER, MLLE. BERAT, FLORENCE VAUGHAN, SOUV. DE ANTOINE CROZY.

Write for special prices, stating quantity wanted.

FRESH TOBACCO STEMS. Bale of 300 lbs. $1.75; Ton $9.00.

W. C. BECKERT
SEEDSMAN
103 Federal St., N. S., Pittsburg

Please mention the Exchange when writing.

the moment it becomes warmer, but so great has been the rush in all directions that this hold-back-trade-weather, so to speak, has been more of a help than a hindrance.

Vegetable Plants

It is none too early to arrange for an ample supply of vegetable plants, as the moment the warm weather sets in the sale of these by every seed house should commence. Of course, Lettuce, Cabbage and plants of the other hardy vegetables can be sold very early, but it is not policy to push the sales of Tomato, Egg and kindred plants until the weather becomes warm and settled. It is the same in selling vegetable plants as in selling seeds; the customer appreciates being candidly told not to put out the delicate plants too soon. This branch will be found a very profitable side line in conjunction with the regular seed business. V.

New York Seed Trade

The weather is warmer and trade in every line with the seedsmen has assumed still larger proportions. In such volumes are the orders coming that every firm seems to be very shorthanded. Of course, as is always the case, the warm days make customers impatient of any delay. Spring bulbs, as well as seeds, are selling remarkably well.

Vaughan's Seed Store has arranged a most attractive window of Easter plants and, as usual, are doing a large business along this line.

The Stumpp & Walter Co. is particularly pleased with its large sales of all kinds of Spring bulbs, and its special strains of Asters are also in large demand.

Henry Nungesser, president of Henry Nungesser & Co., sailed last Tuesday on the Kronprinzessin Cecilie of the North German Lloyd line. Mr. Nungesser is feeling a great deal better from his recent indisposition and will be gone several months, combining business and pleasure.

Mr. Frank Hubert of the Hubert Bulb Co., Portsmouth, Va., arrived in New York, per S. S. Oceanic, last week, and after a hasty visit to Boston, New York and Philadelphia, proceeded South in order that he might be on the company's grounds at the time when the bulbs were being cut for Easter sales, to personally judge their appearance and quality. Mr. Hubert reports an encouraging and steadily increasing demand for American-grown stock and is much interested in this development.

Rickards Bros. are very busy, particularly so in the line of lawn Grass seeds and Clovers.

Arthur T. Boddington says that the sales of Sweet Peas are much greater than in any previous season.

W. E. Marshall & Co., as usual, are offering an assortment of flowering plants and shrubs.

Burnett Bros. also report an unusual number of orders for nursery stock this Spring.

C. McTaggart reports a very busy week. Among other orders recently booked was one for a carload of hardy Rhododendrons. He seems to be certainly getting his share of business.

The demand for extra counter hands by the seedsmen still continues, but it would seem almost impossible to obtain the required number of skilled people.

Boston Seed Trade

W. W. Rawson's seed firm state that they have disposed of all fancy kinds of Gladioli, and the trade in these fine bulbs was much better than they had anticipated.

Thomas Grey Co.'s seed-house report an exceptional busy March and working overtime right along now.

R. & J. Farquhar & Co. report a large increase in business over last year at this date. The fine weather is making all the seed houses exceptionally busy for this early date. R. C.

Philadelphia Seed Trade

Considerable activity has been manifest the past few days in all departments of the seed stores. Counter trade has advanced fully 50 per cent., while the mail and shipping business is evidently trying to make up for the sluggish conditions of the past few weeks. A stronger demand than last season is apparent for Sweet Peas, and this is no doubt due to the extensive advertising features in this particular line by all the prominent dealers. Summer-flowering bulbs, such as

A Bargain

IRIS Superior Stock 2-3 Eye Pieces

"Kaempferi or Japanese"

DOUBLE

Gold Bound. Pure white, one of the best.

Mahogany. Dark red, shaded maroon.

Oriole. Rich plum, marked yellow.

Pyramid. Lilac blue, veined, white center each petal.

SINGLE

Apollo. Pure white, pink center.

H. Von Sieboldt. Reddish, veined white, yellow center, $3.00 per 100.

Lavender Queen. Fine lavender.

Ondine. White, shaded light blue toward center.

Above named sorts, except where noted: $6.00 per 100; $50.00 per 1000.
Double and Single Varieties Mixed: $3.50 per 100; $30.00 per 1000.
SEEDLINGS: Some beautiful colors, all very fine.
$4.00 per 100; $30.00 per 1000.

"Germanica"

Candiamus. Light lavender; falls reddish purple.

Florentina. Creamy white, fragrant and early; fine for cutting.

Fragrance. White edged with blue; falls white with blue penciling.

Honorable. Intense yellow, falls a beautiful bronze. $10.00 per 1000.

Innocence. White, edged with blue.

Madam Chereau. Pure white, edged with azure blue; falls deep white with blue penciling.

Neclecta. Upright, fine blue; falls deep blue. Large flower.

Parkmani. Uprights pure lemon; falls white veined purple.

Queen of the Gypsies. Dusky light bronze; falls purplish red.

San Souci. Yellow, elegantly reticulated light maroon.

Named varieties, except where noted: $3.00 per 100; $25.00 per 1000.
Mixed: $2.00 per 100; $15.00 per 1000.
250 at 1000 rate. 8% disc. for cash with order.

JOHN LEWIS CHILDS
Floral Park, N. Y.

Please mention the Exchange when writing.

HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Stock Seed
Fiske's Branching in all colors. Tr. pkt. 40c., oz. $4.00.
Pure White, tr. pkt. 50c., oz. $5.00.
Also Beauty of Nice strains.
H. E. FISKE SEED CO., Boston, Mass.

Please mention the Exchange when writing.

FRESH MUSHROOM SPAWN

ENGLISH AND AMERICAN

VAUGHAN'S SEED STORE
CHICAGO 84 Randolph Street
NEW YORK 25 Barclay Street

Please mention the Exchange when writing.

Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C.

Trade Mark American Spawn Co., St. Paul, Minn.

Please mention the Exchange when writing.

ONION SEED == ONION SETS

We are large growers of and dealers in Onion Seed and Onion Sets.

Write for prices on 1909 crop.

Can also quote contract prices for the 1910 Onion Seed crop.

SCHILDER BROS., Chillicothe, O.

Please mention the Exchange when writing.

CANNAS

Our own home-grown stock is true to name. Extra Selected, plump, sound, 2, 3, 4-eyed roots.

	Per 100		Per 100
Austria	$1.20	M. Washington	$2.25
Allemania	1.20	Mont Blanc	4.50
Alba Rosea	1.20	McKinley	1.40
Alph. Bouvier	1.50	Mrs. K. Gray	1.50
Alsace, white	1.50	Niagara	2.50
B. Poitevine	1.75	Papa Nardy	2.00
Buttercup, new	1.50	Pennsylvania	1.50
Black Prince	1.80	Premier, gold ed	1.75
Black Beauty	2.50	Pres. Meyers	2.00
Brandywine	2.00	Queen Charlotte	2.00
Chas. Henderson	1.50	R. Wallace	2.50
Crimson Bedder	2.00	So. d'A. Crozy	2.25
D. of Marlboro'	2.00	Shenandoah	1.75
Egandale	1.50	Sec. Chabanne	2.00
Express, dwarf	2.00	Venus, new	3.00
Flor. Vaughan	1.80	Wm. Saunders, new	10.00
Gladiator, new	2.25	West Grove	1.80
King Humbert	4.50	Wm. Boffinger	1.50
Louise, pink	1.80	Sep. colors mix.	1.00
Louisiana	1.50	All kinds mxd.	.70
Mad. Crozy	2.00		

CALADIUM Esculentum (Elephant's Ears). Doz. 100
5-8 in. circumference $0.25 $1.75
8-10 in. circumference .50 3.50
10-12 in. circumference .75 5.50

TUBEROSES, Dwarf Pearl, 1st size, $7.50 per 1000, 80c. per 100; 2nd size, $4.50 per 1000.
GLADIOLUS Gandavensis, light shades, all colors mixed, 75c. per 100, $7.00 per 1000.
PANSY PLANTS, large, transplanted; Vantier's Mammoth Bugnot, etc., including the new odorous strain Orchideaeflora, $3.00 per 1000; 2000 for $5.00.

SHELLROAD GREENHOUSES, Orange, Baltimore, Md.

Please mention the Exchange when writing.

Thorburn's Seeds

HIGHEST GRADE ONLY

Send for special wholesale catalogue for Market Gardeners and Florists

J. M. THORBURN & CO., 33 Barclay St. New York

Please mention the Exchange when writing.

Now For Those Rush Orders!

FLORISTS who want their orders filled accurately and quickly will make no mistake in sending to us. We are prepared to fill orders the day they arrive. We have just doubled our packing force—a change made necessary by the largest number of orders ever received. Here are some of the things you should not overlook in planning your Spring planting:

ASTER SEED, ASTER SEED, ASTER SEED,

Sweet Peas, Dahlias, Gladioli, Lilies, Market Garden Strains of Vegetable and Flower Seeds, Hardy and Tender Plants, Potatoes, Small Fruits, Lawn Grass, Fertilizers, Insecticides and Sprayers

Five minutes' study of our wholesale catalogue will convince you that it is to your interest to send us your rush order. To insure its reaching the right department the minute it arrives, mark both your order and envelope, "Wholesale Department—Rush." Mention this paper.

JAMES VICK'S SONS, Rochester, N. Y.

Please mention the Exchange when writing.

Pansies

Stocky little plants of our best strain, $2.00 per 1000; transplanted plants that will be in bloom for Easter, $1.60 per 100; $12.50 per 1000.

DAISIES (Bellis) and FORGET-ME-NOTS, $2.00 per 1000.

CINERARIAS and PRIMULA Obconica, 4-in. pots, $5.00 per 100.

J. C. SCHMIDT

BRISTOL, PA.

Please mention the Exchange when writing.

PANSIES

The World's Best Mixture. Large plants in bud, $8.00 per 1000, $1.00 per 100; smaller plants, Fall transplanted, in cold frames, 50c. per 100, by mail; $3.00 per 1000, by express. English Daisy, 25c. per 100; Feverfew, strong, from 2½-in.; Parlor Ivy, Sweet Alyssum, Giant Stock, pot plants, all at $1.50 per 100. Low prices for Cash.

E. FRYER, JOHNSTOWN, PA.

Please mention the Exchange when writing.

PANSY PLANTS

Of My Largest Flowering Mixture of Show Varieties

Unsurpassed quality, large transplanted plants, in bud and bloom, $1.25 per 100. Strong, stocky plants, out of cold frames, $3.00 per 1000.

Bellis (Daisies), largest double, red and white, good plants, $2.00 per 1000; 500 at 1000 rate.

GUSTAV PITZONKA, Bristol, Pa.

Please mention the Exchange when writing.

PANSIES

Fine cold-frame plants, in bud and bloom; $1.50 per 100. Small plants $3.00 per 1000, by mail, 60c. per 100.

PANSY SEED, finest mixture, $1.00 per pkt. of 4000 seeds, $5.00 per oz.

PANSY BLOOM, large and fine, long stems. For Easter; 75c. per 100, $5.00 per 1000. Cash with order.

E. B. JENNINGS, Lock Box 254 Southport, Conn.

Grower of the Finest Pansies

Please mention the Exchange when writing.

Dahlias, Gladioli, Tuberous Begonias, etc. are all being prominently displayed, and the call for the same is fully up to expectations. Reports are to the effect that Asparagus plumosus nanus seed is very short in supply, and much difficulty is being experienced in filling orders already booked.

Poultry supplies of all kinds are becoming more and more a feature of the Johnson Seed Co.'s business. This house is being pushed to the limit to fill its orders for Aster seed.

The Stokes Seed Store is displaying a fine line of garden and farm seeds, as well as garden implements outside its store on Market st. Mr. Stokes is also sending to the retail stores of Philadelphia some very well-grown specimens of Hydrangea Otaksa from his greenhouses in Moorestown, N. J.

Henry A. Dreer is featuring Dreer's Special Mixture Lawn Grass Seed in the Chestnut st. store windows. This seed is of the same brand for which the company secured the gold medal in Seattle, Wash. last season, from the Exposition authorities. Seed Potatoes of such well-known brands as Early Rose, Early Ohio, Irish Cobbler, Bovee, State of Maine, etc. are prominently displayed to customers, and the demand for them is steadily increasing.

The Moore Seed Co. is offering, in a liberal manner, bulbs of Tuberous Begonias, in mixed as well as named varieties.

The Henry F. Michell Co. has on display in its window, 1018 Market st., several pots of Hyacinths and Tulips which were prize winners at the recent show held in Horticultural Hall. These were grown by John McCleary, gardener to Mrs. Penfield, Germantown, Pa. I. Rosnosky, of this house, well known to the trade in Washington, Baltimore and other southern points, will start next week on quite an extended trip to visit these points. Outside the store of this house are baskets containing many kinds of Dahlias, Gladioli, Begonias, Amaryllis and other bulbs, which are doing much to awaken the Spring fever or gardening habit in the home lover. An extensive exhibit was made by this concern at the recent show in Philadelphia, results of which show the wise policy and forethought of the head of the house.

Direct Importations

AT FOREIGN GROWERS' PRICES

From BELGIUM
From HOLLAND
Palms, Arancarias, Bay Trees, Azalea Indica, etc. Boxwood, Rhododendrons, pot grown Shrubs for forcing, etc., etc.

From GERMANY Valley Pips. Early or late forcing.

From ENGLAND English Manetti selected for grafting.

From JAPAN Lilium Longiflorum, Giganteum, Multiflorum, etc.

Full list of Japanese, Holland, English and French Nursery Stock

Write for catalogues, special lists, etc., mentioning the class of stock you are interested in.

RAFFIA 5 grades. Bale lots only.

Our business is import and wholesale only. Don't write unless you ass sufficient to make direct separate importations

McHUTCHISON & CO.

17 MURRAY STREET Please mention the Exchange when writing. NEW YORK

Please mention the Exchange when writing.

PALM SEEDS

KENTIA SEED

Per S. S. Australia, to arrive this month, also other Palm Seed for immediate delivery.

	Per 100	1 000	10,000
Kentia Forsterlana	$0 60	$4 50	$40 00
" Belmoreana	50	4 00	37 60
Cocos Weddelliana	1 00	7 50	70 00
Areca lutescens	1 00	7 50	70 00
Latania Borbonica	30	2 50	20 00

	Per 100	1 000	10 000
Livistona rotundifolia	$2 00	$17 50	
" Chinensis	1 00	7 50	$70 00
Phoenix Canariensis	30	3 00	27 50
Phoenix Roebelenii	1 00	7 50	
Musa Ensete	1 00	7 50	

PRICES UPON LARGER QUANTITIES UPON APPLICATION

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., N. Y City

Please mention the Exchange when writing.

Famous Aster **Lady Roosevelt**

Gorgeous Pink, 20 to 40 inch stems, scientifically grown and separated seed. Reduced prices while the stock lasts, order today: ⅛ oz. 40c., ¼ oz. 75c., ½ oz. $1.50, 1 oz. $2.50.

Aster Seed in mixture, best colors, and ¼ Roosevelt. Oz. $1.00.

GLEN MAWR SEED FARMS. Kinzers, Pa.

Please mention the Exchange when writing.

Aster Lady Roosevelt

Late, Longest Stem, Rich Pink. Saw end of April. Trade packet, selected stock, 50c.; good stock, 30c. Write for prices in quantity. Tested seed.

JAS. MACFARLANE, Staatsburg-on-Hudson, N. Y.

Please mention the Exchange when writing.

W. Atlee Burpee & Co. are so beset with orders that they have been compelled to mail out notices requesting indulgence for a three day's delay in filling same. Ordinarily, orders are shipped one day after receipt, but owing to the great increase of business this year the delay is unavoidable during the present rush. There are 244 employees in the building, all it can accommodate. For the season of 1911, when the new buildings will be fitted up, they expect to be equal to every emergency, even to handling a corresponding increase.

LINCOLN, NEBR.—The Griswold Seed Co. report their mail order trade is opening up wonderfully well for thus early in the season, with orders about 20% heavier than a year ago up to the same date. The demand for Alfalfa seed is not as heavy as for the corresponding period a year ago. They believe this will come later as more Alfalfa is being sown in the Fall each season. March has been an ideal Spring month here. Counter trade has been as good as we could ask for, in fact way ahead of a year ago. Prospects for bumper crops in Nebraska were never better than right now.

Rochester, N. Y.

James Vick's Sons are spelling the seed business in large capital letters this Spring. They report a big increase in trade all along the line, retail mail order, wholesale and store. Trade and weather conditions seem to have conspired to make a favorable season and the orders are coming in so rapidly as to keep the entire force working at top notch speed. Fortunately for all concerned the house was prepared for the rush and orders are being filled nearly as fast as they arrive.

In the wholesale department W. H. Dildine, superintendent, reports that there is an increase of over 32 per cent. in the number of orders received for the first three weeks of March, over any similar period in the history of the house. Those who realize the meaning of this immense increase in the volume of business, especially in a month which is always busy, will not be surprised that the packing force gradually fell several days behind in filling orders. This state of affairs necessitated putting on a double force of workers. Then by working overtime the accumulation of orders gradually disappeared. Now Mr. Dildine reports that nearly all orders are filled the day they arrive.

Government Seeds

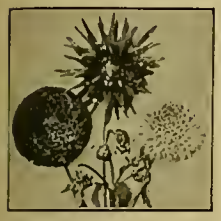
How dear to his heart is the little farm garden
My congressman pictures with laudable skill!
The Lettuce, the Cabbage (with heads that won't harden)
And each tiny pea pod (intent not to fill)!
The gaudy Tomatoes and Peppers he mails me!
The Carrots and Turnips (which prove to be weeds)!
The tempting description, the picture that hails me
On each little packet of government seeds!
The wee little packet, the partly filled packet,
The elderly packet of government seeds!

That duly franked parcel I hail as a treasure
For often in Spring when returning from field
I find it (a source of most dubious pleasure,
The poorest and cheapest that Congress can yield).
How ardent I seize it (!) with heart overflowing (?)
I fancy our congressman silently pleads:
"For me, next election, your vote please be stowing
In the big ballot box—for these government seeds—
This wee little packet, this partly filled packet,
This elderly packet of government seeds!"

How sweet from the capitol mill to receive it
(A present superb for a farmer like me!)
Not a full packet purchased from seedsmen (believe it!)
Can equal these seeds in their antiquity.
But now I've abandoned my rural vocation
A tear of remembrance its furrowed course leads,
For the Aprils I fed to my poultry a ration
Of useless inanimate government seeds—
A wee little packet, a partly filled packet,
An elderly packet of government seeds.

—M. G. KAINS in American Agriculturist.

DAHLIAS



Charles Clayton is my best introduction; for brilliancy, form and stem, this new Cactus leads them all. Other superb Novelties are: Mrs. W. K. Jewett, Manitou, Princess Yetive, Corona, Olive Tracy. These with other fine varieties were awarded a Bronze Medal at the Alaskan-Yukon Exposition, last season. Select list of Standard Dahlias; and Field-Grown Hollyhocks, both Double and Allegheny. Catalogue on application.

W. W. WILMORE, P. O. Box 382, Denver, Col.

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $15.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

Jack Rose Dahlias

LARGE UNDIVIDED CLUMPS
$15.00 per 100, or $2.00 per dozen.

W. C. WARD
577 Adams St., East Milton, Mass.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

Florists' Dahlias

A good assortment of Dahlias for Florists, at prices that will surprise you for undivided field clumps.

J. MURRAY BASSETT, Packerd St. Hammonton, N. J.

Please mention the Exchange when writing.

DAHLIA POLES
2 to 6 Feet Long

POINTED HARDWOOD STICKS; Green and Plain, 8, 12 and 18 inches long.
BLUNT END SOFTWOOD STICKS; for stemming, Green and Plain, 6, 12 and 18 ins. long.

HUGO L. GROTE, 1123 Broadway New York

Please mention the Exchange when writing.

JOSEPH HEACOCK CO.
WYNCOTE, PA.

Growers of fine **KENTIAS**

Send for Price List

Please mention the Exchange when writing.

PALMS, FERNS
and
Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

Please mention the Exchange when writing.

AZALEAS FOR EASTER

VAN DER CRUYSSEN
VERVAENEANA ALBA
NIOBE
SIMON MARDNER
EMPRESS OF INDIA
PROF. WOLTERS
DR. MOORE
VERVAENEANA

50c., 75c., $1.00, $1.25, $1.50, $2.00, $2.50, $2.75, $3.00

CALIFORNIA PRIVET

2 to 3 ft., $3.00 per 100, $25.00 per 1000. 3 to 4 ft., $4.50 per 100, $40.00 per 1000.
Also 150,000 Privet cuttings.

HERBACEOUS PLANTS in 100,000 lots if desired.
Can supply 500,000 HARDY PHLOX alone.
CLEMATIS PANICULATA, 2 years, No. 1, 3 years, X and XX.
AMPELOPSIS VEITCHII, of all sizes.
VIBURNUM PLICATUM, from 18 to 24 inches, up to 5 to 6 feet, in quantity.
NORWAY and SILVER MAPLES, LOMBARDY and CAROLINA POPLARS.
SALVIA, 2-inch pots, $25.00 per 1000; in the following varieties:
Zurich Splendens Fireball Scarlet King

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Please mention the Exchange when writing.

ROSES
Own Root, Fine Stock

White Killarney, 2¼-in., $1.50 per doz., $8.00 per 100. Chatenay, Carnot, Kaiserin, Killarney, Perle, Richmond, Sunrise and Sunset, $5.00 per 100. Bride, Bridesmaid, Golden Gate and Uncle John, $4.00 per 100.

Mammoth Verbenas

Rooted Cuttings, $1.00 per 100, $8.00 per 1000.

Asparagus Plumosus

From 3-in. pots, $5.00 per 100; from 2¼-in. pots, $3.00 per 100.

Asparagus Sprengeri

From 3-in. pots, $5.00 per 100.

Dracaena Indivisa

4-in., $15.00 per 100; 5-in., $20.00 per 100.

MISCELLANEOUS

ABUTILON Savitzi, 2¼-in. pots, $3.00 per 100.
AMPELOPSIS Veitchii. Pot grown, $3.00 per 100 and $6.00 per 100 (two sizes).
ACHYRANTHES. Best varieties, $1.00 per 100, $8.00 per 1000.
AGERATUM. Blue and white, $1.00 per 100, $8.00 per 1000.
CANNAS, Dormant Tubers, $2.00 and $3.00 per 100, $18.00 and $25.00 per 1000.
CARNATIONS: From pots and Rooted Cuttings; send for catalogue for varieties and prices.
CHRYSANTHEMUMS, 60 fine varieties, Rooted Cuttings, $1.50 and $2.00 per 100.
COLEUS. Bedding and fancy varieties, $1.00 per 100, $8.00 per 1000.
CUPHEA platycentra. $1.25 per 100.
BEGONIA Erfordi. Pink and white, $2.00 per 100; Crimson Bedder, $2.00 per 100.
FEVERFEW, The Gem. $1.50 per 100, $12.00 per 1000.
FORGET-ME-NOT, $1.50 per 100.
FUCHSIAS. Double and single, $2.00 per 100.
GERANIUMS. Double and single, $1.50 per 100, $14.00 per 1000.
GERANIUMS, Ivy-leaved, 2¼-in. pots, $3.00 per 100.
GERMAN IVY. $1.50 per 100.
HELIOTROPE. 8 best varieties, $1.25 per 100, $10.00 per 1000.
LANTANAS, 2¼-in. pots, $3.00 per 100.
LOBELIA. New double blue, $2.00 per 100.
MOONFLOWER (True). White, $2.00 per 100; $15.00 per 1000.
SALVIA. New varieties, $1.50 per 100; $12.00 per 1000. Splendens and Clara Bedman, $1.25 per 100; $10.00 per 1000.
STEVIA, Variegata, and Compacta, per 100, $1.25.
SMILAX, from 3-in. pots, $4.00 per 100.

WOOD BROTHERS, FISHKILL, NEW YORK

Please mention the Exchange when writing.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, ST. ALBANS, ENGLAND
and 235 Broadway, Room 1, New York City

Please mention the Exchange when writing.

ORCHIDS! ORCHIDS!

A large and attractive lot of established plants; also importations coming, which we offer at advantageous prices.

ORDONEZ BROS., 41 W. 28th St. New York also Madison, N. J.

Please mention the Exchange when writing.

ORCHIDS

We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawrenceana, Gaskelliana, Dowiana and Percivaliana. Write to-day.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

Please mention the Exchange when writing.

ORCHIDS

CATTLEYA Warneri, C. Harrisoniae, C. Gaskelliana, C. Gigas, Hardyana type; DENDROBIUM Phalenopsis, Schroederi; ODONTOGLOSSUM Luteo-purpureum, Sceptrum.

LAGER & HURRELL, Summit, N. J.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

Please mention the Exchange when writing.

P. OUWERKERK

216 Jane Street

WEEHAWKEN HEIGHTS, N. J.

P. O. No. 1, Hoboken, N. J.

Just Received From Our Holland Nurseries

Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

PRICES MODERATE

Please mention the Exchange when writing.

Hardy American Grown Roses

Standard—Tree Box—Pyramidal

General List of Nursery Stock

Write for Trade List

W. & T. SMITH COMPANY

64 YEARS GENEVA, N. Y. 800 ACRES

Please mention the Exchange when writing.

Deutzia Lemoineii

Is one of the choicest small shrubs, covered in the blossoming season with a profusion of pure white flowers. The tall varieties of Deutzia are also among the most beautiful flowering shrubs and should receive more attention from planters who aim to produce effective results.

A beautiful catalogue with many new illustrations will be mailed on request. It contains descriptions of these charming shrubs, also of the largest and most complete collections to be found in this country of

Fruit and Ornamental Trees, Shrubs, Roses and Hardy Plants

ELLWANGER & BARRY, Mount Hope Nurseries, Rochester, N. Y.

Please mention the Exchange when writing.

Evergreens Shrubs Shade Trees Privet

100 Acres of Nursery. Ask for quotations upon your own list of wants.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Please mention the Exchange when writing.

LILACS Charles X and Marie Legray.

DEUTZIA LEMOINEI, pot-grown, in fine condition.

BOXWOOD and BAY TREES, for immediate or Spring delivery.

Orders booked now at inviting prices. Write to

F. W. O. SCHMITZ

Importer, PRINCE BAY, N. Y.

Please mention the Exchange when writing.

LARGE TREES

OAKS AND MAPLES

PINES AND HEMLOCKS

ANDORRA NURSERIES

WILLIAM WARNER HARPER, Proprietor

Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Viburnum Plicatum, in sizes from 3 to 6 ft.

Japanese Judas, very heavy, 3 to 4 ft.

Spiraea Anthony Waterer, very heavy, 1½ to 3 ft.

Regel's Privet (Ligustrum Regelianum), 2 to 4 ft.

These are but a few of our leaders; we have an enormous assortment of other varieties. Also deciduous trees, especially **Willows, Lombardy Poplars, American Lindens,** and **Dogwood.** Let us have your "want list," and ask for our catalogue.

The Wm. H. Moon Co., Morrisville, Pa.

Please mention the Exchange when writing.

New Rose

American Pillar

NO Climbing Rose is attracting the attention that "American Pillar" does, and most deservedly so. It is by far the best single-flowered climbing rose for outside purposes; and on account of the great durability of its flowers, it is the best single-flowered forcing rose.

July 12, 1909.

Gentlemen:

Let me tell you, too, that the American Pillar is a better Rose than you know, perhaps. The plant I had from you, which was planted **this Spring** under unfavorable conditions, is now giving us a **succession of most exquisite bloom.**

Yours truly,

J. HORACE McFARLAND,

Pres. of American Civic Association, Harrisburg, Penna.

COMMENT FROM THE LONDON GARDEN

"A most notable feature in this glorious display (Temple Flower Show in London) was the New 'American Pillar' Rose. The large and attractive rich rose pink blooms are produced in immense clusters, the white centers of the blooms adding to their attractiveness. —Florists' Exchange.

2½-inch pot plants, $1.50 per dozen, $8.00 per 100, $75.00 per 1000.

4-inch pot plants, $3.50 per dozen, $25.00 per 100.

The Conard & Jones Co.

WEST GROVE, PA.

Please mention the Exchange when writing.

ALMA NURSERIES, Oudenbosch, Holland

NURSERIES AT OUDENBOSCH AND BOSKOOP

Proprietors { U. J. Heerma Van Voss, H. A. M. Swellengrebel. | Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.

Large stock of **Ornamental Trees** and **Shrubs, Conifers, Evergreens,** etc. First-class stock only. Prices reasonable. Sole American Agent:

J. MEERKAMP VAN EMBDEN, JR. Mount Vernon, N. Y.

Ask for our General Catalogue and special offer.

Please mention the Exchange when writing.

NORTHERN GROWN NURSERY STOCK

We Grow a General Assortment of

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.

Prices Reasonable. Wholesale Trade List for the Asking

THE BAY STATE NURSERIES, North Abington, Mass.

Please mention the Exchange when writing.

STOCK FOR FLORISTS

ROSES for forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff. CLEMATIS, AMPELOPSIS, TREE HYDRANGEAS and LILACS, SHRUBS, VINES and PERENNIALS. Write for prices.

Jackson & Perkins Co., Newark, (Near Rochester) **New York**

Nurserymen and Florists—Wholesale only. Use printed stationery.

Please mention the Exchange when writing.

AMPELOPSIS VEITCHII

Fine, well rooted, one year plants, 18 to 24 inches; 50, by mail, $2.00; 100, by express, $3.00; 1000, $25.00. Plants in cellar.

ASPARAGUS ROOTS for Spring, extra strong, 2 year plants, $1.00 per 100; $4.00 per 1000. 3 years, $1.25 per 100; $6.00 per 1000. They will please.

CHARLES BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

10 Seedling Peony Roots

for TEN CENTS;

more if desired at one cent each, sent by mail. Now is the time to order.

GEORGE HOLLIS, Peony Specialist

128 Hollis Street, SOUTH WEYMOUTH, MASS.

Please mention the Exchange when writing.

TREES AND PLANTS

Of every kind and description, in wholesale quantities

Trade list now ready

F. & F. NURSERIES, Springfield, New Jersey

AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-president; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer.

IOLA, KAN.—A nursery will be opened here this Spring. Mr. Willis, who already has a large nursery at Ottawa, will own a controlling interest in the one to be started here, in which J. M. Jackson is also financially interested. The business will be called the Iola Nurseries.

ATHENS, GA.—T. W. Dennington, of 198 Prince ave., has secured land on the Jefferson road and is establishing a nursery.

KELSO, WASH.—An extensive nursery plant is to be established on the Adam Catlin farm, by James Stevens & Son, formerly of Barton, Ore. A quantity of stock has already arrived, and it is expected shipping will commence next Fall.

Pinus strobus nanus The many dwarf varieties of tall growing trees are very useful to planters when laying out a new place; there are so many situations where they fit in to great advantage. The dwarf White Pine, Pinus strobus nanus, which our picture represents, is a case in point. It occupies the front of a plot of ground entirely devoted to evergreens, and is just inside the lawn from a carriage drive which winds by it. Occupying appropriate positions along the driveway are other dwarfs such as Arborvitæs and Retinisporas.

This pretty form of the White Pine never gets very tall, but maintains the bush shape it has acquired for years, growing slowly, but always keeping to its shape.

Many forms of dwarf trees are true seedlings, not sports from some other one. The dwarf White Pine in all probability originated in a seed bed. The Hemlock Spruce frequently does the same. It is not uncommon to find two or three dwarfs growing in a batch of a thousand seedlings, and these dwarfs are always dense as can be, just as though they had been sheared for several years.

All these dwarfs have to be increased by grafting, not a difficult matter. Stocks of the common White Pine should be used for the dwarf of this. If potted and established a year in advance, grafting can be done in the Winter season, to better advantage than outdoors.

Protect the Roots When Transplanting Evergreens It is becoming well understood by planters that much of the success in transplanting trees comes from care in keeping the roots moist. This is particularly true of evergreens. Deciduous trees will endure drying out to a much greater extent than will the evergreens. In fact, to let the roots of evergreens become dry means that there is little use proceeding further with them if the intention was to plant them. The sap of evergreens cannot be stirred into circulation again if once halted by dryness. That nurserymen recognize this is shown by the care now given to the wrapping of the roots in burlap as soon as they are exposed—a care so different from what was displayed a few years back. Beside this wrapping a ball of soil now goes with the roots, and where the roots will not hold a ball it is not uncommon to place a spadeful of soil inside the burlap, to assist in maintaining the desired moisture. The great change for the better in the case of planted evergreens is largely due to this extra care in protecting the roots in the way described. After this care in keeping the roots moist, there is still another thing to do to help along the good work. This is to see that, when planting the tree, the soil thrown in effectually covers the roots. Nothing is so good as fine sandy soil, or sand alone, for the first covering. It finds its way around the roots better than anything else that could be used and especially so when a bucketful or two of water is poured in, as the water carries it to all the hollows, ensuring the close fitting of the sand to the roots. Even in Spring this watering is beneficial. It is not for the purpose of giving water to the roots, but to solidify the soil about them. But the water does no harm in adding to the moisture; on the contrary, it is often very desirable. When planting in the Fall, instead of Spring, the water aids in two ways—to settle the soil close to the roots and to supply the moisture demanded. Writers say that flooding the transplanted tree with water is common in California, where the dryness of the soil in Summer makes planting without it of but little avail. There, the soil is so dry that it can be pulverized to dust, so that sand is not necessary for first filling in around the roots, the pulverized soil being even better than it for the purpose beside containing more food than the sand.

Deutzia Lemoinei Deutzia Lemoinei, which advertisers are offering now, is a good variety to have. While florists say it is not as good for their use, in cut flower arrangements, as the old D. gracilis, it is of great value as a decorative shrub on a lawn, being intermediate in growth and, in its season of flowering, between gracilis and the taller growers represented by D. scabra. It grows faster, and to a larger size, than D. gracilis, flowering, too, a little later in Spring. Bushes of it on a lawn are greatly admired when in flower.

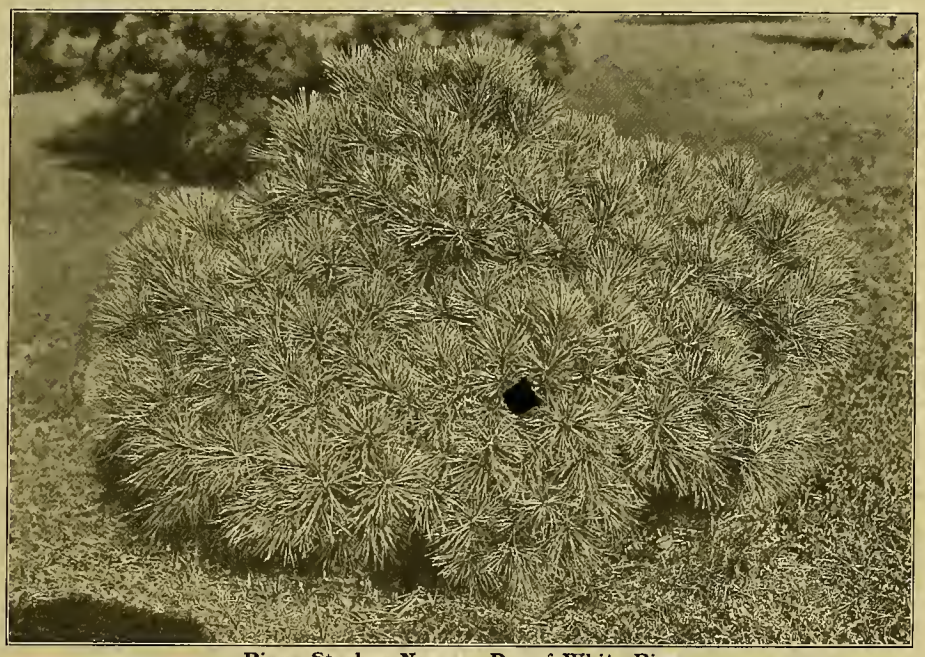
Setting Vines to Living Trees When vines are set to run up old living trees it is often a difficult matter to get them to thrive, for the reason that there is but little soil near the trees, and what there is the roots of the trees demand. It is an old plan, yet new to many, to select vines with long tops, and then to plant them at some distance from the trunk of the tree, burying the shoots of the vine underground until they reach the trunk of the tree. In this way the roots of the plants are far enough away from the tree and more soil is available for them; and as the shoots are carried under ground to the tree they are out of harm's way. When the vines are of a nature that root readily from the shoots, the buried portions soon take root, which is all in favor of the well doing of the vines. The several Ampelopsis, Honeysuckles, Clematis and Trumpet Vines all make root from such buried shoots, so that the plan is a good one in every way.

When trees are dead the vines can be planted close to their trunks, as there is then no competition for the food in the soil.

Hardiness of Chamærops excelsa It is interesting to know of the hardiness of Chamærops excelsa under a temperature of 7° above zero, as related by your Californian correspondent, Abe Clemo. News of a species of any Palm standing more cold than any other one is always welcome, extending as it does its culture where other species cannot be used. This Palm, Chamærops excelsa, has been known to endure as low a temperature in the south of England, or nearly as low, but then the sunless Winters there, and the moist air, are a great aid to plants deemed not thoroughly hardy. Can Abe Clemo tell us how low a temperature the several species of the Brahea Palms withstand?

Budding Lilacs The suggestion of E. Y. Teas that where the California Privet is not hardy Lilacs could be grafted on them at the collar is a good one, as then the whole of the California Privet would be underground, where it would not be winter killed, as he says. Again, as he says, the Ibota, Regelianum and Amurense are hardier than the other; these could be used for stocks for budding instead of the Californian.

Where it is desired to use the Californian for budding, the stocks could be lifted in Autumn soon after being budded, stored for the Winter and set out in Spring in rows in the nursery. When setting them, set them low enough to allow of the soil being drawn around them an inch or two above the union of the bud and the stock, so that all portions of the Privet are below ground.



Pinus Strobus Nanus. Dwarf White Pine

Catalog Descriptions When advertising stock it certainly pays to so describe it that those interested may fairly understand what kind of stock is intended. Sometime ago a party advertised Periwinkle, Vinca minor, 6 in., at a certain price per 100. A reader of the advertisement sent for a hundred or two of them. The plants received were 6 in. as advertised, but were only rooted cuttings, with the one stem to them, much to the dissatisfaction of the customer—a little batch that could be held between the thumb and finger. The plants were as described, 6 in., but the purchaser was greatly displeased, and the seller lost the confidence of the customer. The price was not much, perhaps no more than the plants were worth, and had the buyer been a nurseryman he would have surmised that they were probably small; but he was an amateur and ordered expecting some fair-sized plants to set along a bank. What should have been said in such an advertisement was *rooted cuttings*, then all would have been clear.

There is a good deal of art in describing stock in such a way that, while brief, the description makes clear what the stock is like. Description of stock is much more specific than it used to be, all catalogs, as a rule, aiming to so describe stock as to give a good idea of what it is like. It is very different from what it was in old-time nursery practice. The writer remembers when such firms as the late Robert Buist's used to simply give the name of a tree or shrub and the price; no size or description was given, so that what was to be forthcoming for the money no one knew but the seller. Nowadays we have name, height, caliper and some description of the tree, as to bushiness, etc., and a fair statement of the character of all that is offered; and this is the only way to build up a permanent business.

Then there will be no winter killing of it; beside this, the Lilac portion will make its own roots in time, as Mr. Teas says.

Pruning Judas Trees The name Judas Tree, applied long ago to our native species, Cercis Canadensis, embraces, in horticultural lists, the Japanese one as well, C. Japonica, though this one is never seen here in tree shape. The common one, C. Canadensis, does become a small tree, hence needs different treatment from the C. Japonica. The latter comes within the shrub section, and in company with all shrubs is improved by annual pruning. Allowed to grow at will this one reaches 8 to 10 ft., as seen in our shrubberies, and when in this condition it is the upper part of it, mainly, that is clothed with blossoms. To alter this, bringing the flowers nearer the ground, a good pruning should be given it as soon as its flowering is over, in Spring, forcing out new shoots from the part below where cut, which shoots will set buds for the next season's blooming. It is true that all species of Judas Tree flower to some extent from old wood, often giving a unique appearance to the specimens, but it is only an occasional cluster that appears, and not the well filled shoot of flowers that the younger growths display.

THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

Prices published in The Florists' Exchange are for the Trade only

New Seedling Rose

Radiance

A seedling from Cardinal, a brilliant rosy carmine with opaline tints in the open flower. The form is fine, large, with cupped petals, bud long, brilliant, radiant, with extra long stems, a constant bloomer, fragrant, foliage abundant and of splendid substance.

2½-inch pots, $18.00 per 100; ready for delivery in April and May

CASH OR SATISFACTORY REFERENCE

JOHN COOK, 318 North Charles St. BALTIMORE, MD.

Please mention the Exchange when writing.

A Rose for Every Greenhouse

GRAFTED ROSES

WHITE KILLARNEY, MY MARYLAND, PINK KILLARNEY, RICHMOND

Rose Pots .....$15.00 per 100
3½-inch Pots .....$18.00 per 100

BRIDES, BRIDESMAIDS, GOLDEN GATES, LA FRANCE, KAISERIN

Rose Pots .....$10.00 per 100
3½-inch Pots .....$15.00 per 100

OWN ROOT ROSES

WHITE KILLARNEY, MY MARYLAND, RICHMOND, PINK KILLARNEY, AMERICAN BEAUTY

3-inch Pots .....$9.00 per 100
4-inch Pots .....$12.00 per 100

BRIDES, BRIDESMAIDS, PERLES, SUNRISE, GOLDEN GATES, CHATENAY, KAISERIN

3-inch Pots .....$7.00 per 100
4-inch Pots .....$10.00 per 100

We will have large quantities of White Killarney and American Beauty Rose plants of the best quality for Spring Delivery.

Verbena and Coleus cuttings and plants ready for shipment.

Send for circulars.

J. L. DILLON, Bloomsburg, Pa.

Please mention the Exchange when writing.

GRAFTED ROSES

We have an exceptionally fine stock of grafted plants, strong, clean and healthy

	Per 100	Per 1000
White and **Pink Killarney, My Maryland, Richmond, Kaiserin, Bride, Bridesmaid,** 2½-in. pots..	**$15.00**	**$120.00**

Own Root Stock, Ready Now

White Killarney, 2½-in. pots	8.00	75.00

S. J. REUTER & SON, Inc., Westerly, R. I.

Please mention the Exchange when writing.

LIST OF 200 ROSES

Bumper crops for Spring delivery.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Please mention the Exchange when writing.

KOSTER & CO.

HOLLANDIA NURSERIES

Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

Please mention the Exchange when writing.

Grafted Roses

	100	1000
Bridesmaid	$12.00	$120.00
Killarney	12.00	120.00
W. Killarney	12.00	120.00
My Maryland	12.00	120.00
Bride	12.00	120.00

Rooted Carnation Cuttings

	100	1000
White Perfection	$2.50	$20.00
Enchantress	2.50	20.00
Lady Bountiful	2.00	15.00
Winsor	2.50	20.00
Beacon	3.00	25.00
Victory	2.50	20.00
Mrs. Patten	2.50	20.00
May Naylor	2.00	15.00
Harry Fenn	2.00	15.00

EDWARD J. TAYLOR, Green's Farms, Conn

Please mention the Exchange when writing.

"FLOWER OF FAIRFIELD"

THE "EVERBLOOMING CRIMSON RAMBLER"

The best Climbing Rose in the market, flowering during the whole Summer in large clusters of finest crimson color.

Prices for first rate plants with 3 to 6 shoots, open ground grown, $11.00 per 100, $100.00 per 1000.

Extra strong plants, with 5 and more branches at $15.00 per 100.

Package free, cash with order only.

SCHULTHEIS BROS., The "Old" Rose Gardens, at Steinfurth, near Bad-Nauheim, GERMANY

Please mention the Exchange when writing.

ROSES From 2-inch pots at Rose Lawn Greenhouses

Richmond, $3.00 per 100.
Kaiserin, $3.50 per 100.
My Maryland, $6.00 per 100.
White Killarney, $8.00 per 100.

CASH WITH ORDER

Address **J. Henry Bartram, Lansdowne, Pa.**

Please mention the Exchange when writing.

California Privet

See our prices on small lots in classified advertisements.

For large orders in carload lots we can do better, and will ship you 10,000 18 to 24 inch, 4 to 6 branches, in bulk in car, for **$100.00.** Cash with order. Other sizes in proportion.

Jos. H. Black, Son & Co.

Hightstown, N. J.

Please mention the Exchange when writing.

Amoor River Privet

350,000 All Sizes

6 to 20 inch, well rooted; transplanting size, $10 per 1000; 12 to 18 inch, $15.00 per 1000; 18 to 24 inch, $20.00 per 1000; 24 to 30 inch, heavy, $25.00 per 1000; 30 to 36 inch, heavy, $30.00 per 1000. All sizes, except the transplanting, are well branched. Packed and delivered f.o.b., for cash with order.

VALDESIAN NURSERIES

Bostic Department, BOSTIC, N. C.

Please mention the Exchange when writing.

CALIFORNIA PRIVET

500,000 3-yr. plants, with 12 to 20 branches; have been transplanted once and cut back 2 yrs.; $4.00 per 100, $37.50 per 1000, packed. Will make a good close hedge at once. 600,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr.; $3.00 per 100, $27.50 per 1000, packed. 1-yr. plants 12 to 18 in., well branched, $2.00 per 100, $17.50 per 1000, packed. 500 at 1000 rates. Cash with order.

JOHN BENNETT, Atlantic Highlands, N. J.

Please mention the Exchange when writing.

50,000 CALIFORNIA PRIVET, fine 1-year-old stock, 18 to 24 in., $2.00 per 100, $15.00 per 1000; 24 to 30 in., $2.50 per 100, $20.00 per 1000. Special prices in 6000 lots to dealers, all No. 1 stock. **5,000 extra strong AMPELOPSIS Veitchii.** Field grown vines, live tops and roots, now in cellar. $4.00 per 100, 500 at $3.60 per 100. **P. S. 25,000 Canna Roots.**

BENJ. CONNELL, Florist, **Merchantville, N. J.**

Please mention the Exchange when writing.

California Privet *and* Asparagus Roots

LARGE STOCK

Write for Prices

C. A. BENNETT Robbinsville, New Jersey

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange

WE ARE SHIPPING California Privet

100,000 still on hand. Order early before they are all gone

I make special prices on orders from this Easter issue, in large lots. Let me know at once about how many and the sizes you desire. Every one knows my stock is strictly No. 1, well graded; a sample order of 1000 will prove it.

Call and look it over.

CARLMAN RIBSAM, 31 Wall St., Trenton, N. J.

Nursery, Hamilton Ave.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

BERBERIS THUNBERGII

Bushy Plants, 18 to 24 inches at $9.00 per 100; 12 to 18 inches, at $6.00 per 100.

Seedlings, 3 to 6 inches, $8.00 per 1000, with 6-in. roots; 2 to 3 inches, $5.00 per 1000, with 6-in. roots.

CAROLINA POPLARS

2 years, clean and smooth, nicely branched.
10 to 12 ft. .....$16.00 per 100
8 to 10 ft. ..... 10.00 per 100
7 to 8 ft. ..... 8.00 per 100

LOMBARDY POPLARS

Low branched.
7 to 9 ft. .....$10.00 per 100
6 to 7 ft. ..... 8.00 per 100

NORWAY SPRUCE

Several times transplanted.
3 to 4 ft. .....$30.00 per 100
2 to 3 ft. ..... 8.00 per 100
18 to 24 in. ..... 6.00 per 100

ARBOR VITAE

Transplanted.
3 to 4 ft. .....$40.00 per 100
2 to 3 ft. ..... 8.00 per 100

CALIFORNIA PRIVET

2 yr. cut back, extra heavy.
100 1000
3 to 4 ft. $4.00 $35.00
No. 1, 3 to 4 ft. 3.00 30.00

This is the best stock GOOD GROWING can produce.

C. R. BURR & CO.
The Burr Nurseries
MANCHESTER, CONN
Please mention the Exchange when writing.

INDOOR GRAPE VINES

Strong, one year old planting canes, just right for present planting.

In the following varieties:

MUSCAT OF ALEXANDRIA
BLACK HAMBURGH
BUCKLAND SWEET WATER
DIAMOND JUBILEE
MILTON CONSTABLE
GROS COLMAN

Price, $2.50 each (Two dollars and fifty cents)

SCOTT BROS. Elmsford Nurseries ELMSFORD, N. Y.

Please mention the Exchange when writing.

RASPBERRY PLANTS

20 varieties at 25c. per dozen.
Blackberry Plants, 10 varieties, at 25c. per dozen.
Currant Plants, 8 varieties, at 50c. to 75c. per dozen.
Grape Vines, 25 varieties, at 60c. to $1.00 per dozen.
Ask your customers double the above prices, and I will fill the orders for you with first-class stock. At above prices you make 76 to 100 per cent.

CHARLES C. NASH, Kalamazoo, Mich.
Please mention the Exchange when writing.

NORWAY MAPLES
Specimen trees 14-18 ft., 2-4 in. dia.

RHODODENDRON HYBRIDS
1-3 ft. Best varieties and colors

RHODODENDRON MAXIMUM
(The Natives) 2-6 ft. in car lots; fine plant

KOSTER BLUE SPRUCE
4-5 ft. and 5-6 ft.

CAL. PRIVET for hedge
Fine plants 2-3 ft. and 3-4 ft.

A large assortment of Fruit, Shade and Ornamental trees and shrubs
Write for prices
Catalogue mailed upon request

MORRIS NURSERY CO.
Sales Office. 1 Madison Ave., New York

August Haerens
Somergem, Belgium

Special grower of High-Grade and new AZALEAS, KENTIAS, ARAUCARIAS, BAYS, etc.

August Rolker & Sons, 31 Barclay St., New York, American Agts
Please mention the Exchange when writing.

'Frisco Ladies to Market Flowers

Orchids $1.50 Each in Land of Sunshine, So They Incorporate to Cut Prices.

SAN FRANCISCO, March 22.—Orchids at $1.50 apiece and Roses at from $2 to $5 a doz., in a land of sunshine, where they can be grown at small expense the year round, have aroused the ire of the women of San Francisco's "Four Hundred," and they are going into the business of raising these flowers and putting them on the market at a reasonable price.

Seventy prominent women, headed by Mrs. California Newton and Mrs. William C. Ralston, and representing the California Club and the Outdoor Art League, have signed the article of incorporation of the California Ladies' Plant and Flower Company; capital stock, $100,000.

Mrs. Ralston said today: "Orchids cost $1.50 apiece. Just think of that in California! The Pearl of the Garden and our beautiful La France Roses, do you ever see them now? No, they are not in the market. And the Rainbow Rose or the Bennett? They are not being produced. But we will soon have the fine old varieties again."—*Exchange.*

[Here is more competition—and from a most unexpected quarter! Needless to say that the outcome of the experiment will be watched as closely by the florists of the land as it will be by those most directly concerned.]

Worcester, Mass.

Easter rush had not commenced at this date, March 21, but the indications are bright for an unusual trade. Lilies are in the lead, with Azaleas, Hyacinths, Daffodils and Tulips following. Stock is very plentiful and of high quality. Prices will run about as last year.

H. F. Littlefield threw open his greenhouses to the public, March 20, and hundreds availed themselves of the privilege. There were Lilies in abundance, and such Lilies! Mr. Littlefield has made many a handsome showing but nothing compared to this year. Baby Ramblers, in perfect condition, attracted much attention. There was one very fine lot of Daffodil Queen Victoria. But the crowning beauty of all was in the Azalea house. Oscar Soderholm, the foreman, had arranged the plants in such a manner that the effect was one large variegated mass. The leading Azaleas grown here are Prof. Wolters, Ernst Eckhault, Niobe and Van der Cruyssen.

That a large business is expected by the florists is shown by the heavy advertising in the local papers. C. D. Mackie always leads in the amount of space taken; he has learned from past experience that it pays to advertise.

The estate of H. F. A. Lange has its usual large stock and, like the others, in splendid condition. By Easter, 1911, this firm will be in its new and larger quarters, and will make a showing never seen before in Worcester. CAROLUS.

Residence of H. W. Field of Northampton, Mass.
Showing Office to Left; Rose Houses on the Right.

SPECIAL OFFER

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Cincinnati

Once again we are upon the eve of battle, and if Old Sol continues to shine brightly we will be enabled to supply our customers with plenty of Roses at least. It looks now as though Carnations and Lilies would be sufficient to fill orders. Business during the past week has not been very rushing, neither has stock been equal to the demand.

A week ago Carnations were selling for $7.50 per 1000, but the latter part of the week they were selling at $3 per 100 and are still holding their price.

The growers in the flower market are getting their stock into fine shape and it will certainly be a sight to see that market on the 26th, when thousands of dollars worth of flowers and plants will be sold, especially if it prove a nice day.

The regular monthly meeting of the Cincinnati Florists' Society has been changed to the second Monday of each month instead of the second Saturday as heretofore.

The howlers are still practicing and are making some very good scores.

James Allan of George & Allan now has a position with the park department, having charge of the nursery.

J. T. Conger of Hartwell is fitting up a very handsome office and display room; he has added several thousand feet of glass to his plant, and his business has increased wonderfully within the past few years; he grows principally Carnations and bedding plants, buying the greater portion of his cut flowers; treating people well and handling only first-class stock has built up a fine business.

The suit brought by George & Allan against the city of Cincinnati, was won by the parties of the first part but, like all cases against the municipal corporation, it will be taken to the higher courts, and it will be several years before they get any money out of it; the verdict they received will not half cover their loss.

The wire department of E. G. Gillett is very busy turning out hanging baskets. Joseph Mahalick, who has charge of this department, is one of the best wire workers in the trade, and his baskets are made substantial, using only the best of material; the same can be said of everything he manufactures.

Chas. Dudley of Parkersburg, W. Va., was a caller in the city on the 18th, coming in the interests of his establishment and selling plants for Easter; he is very much interested in automobiles and, like many others, has the fever.

Edith Kyrk, E. Mack, George & Allan, Wm. Speck and Ed. Fries are all sporting new wagons, showing that business is prospering with these florists.

E. G. GILLETT.

CINCINNATI, O.—While a number of children were playing in the ruins of a partially dismantled greenhouse at the head of Baker Pass in Eden Park, Sunday afternoon, March 13, during a high wind, the walls of the greenhouse collapsed, burying those within in the debris. Two were seriously injured and several were painfully hurt. The children had taken refuge behind the walls from the wind and a number of adults joined them and were watching them at play when the accident occurred.

BELOIT, WIS.—The contract for the $6000 greenhouses for John Rindfleisch has been let to the John C. Moninger Co. of Chicago.

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Golden Eagle, Lynnwood Hall, $4.00 per 100, R. C.; $5.00, 2½-in.

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CLUBS and SOCIETIES

Elberon (N. J.) Hort. Society

This Society held a regular meeting on March 21, President Peter Murray in the chair. This was Rose night and quite a few Roses were staged, but not as many as the Society would have liked to see. C. Duncan and P. Murray were the principal winners. Mr. Duncan was awarded a cultural certificate for a collection of Roses. He gave a short talk on how he grows his Roses, which was very interesting. Mr. Murray was awarded a cultural certificate for three very fine plants of Calceolaria, and he also gave a few pointers on their culture. D. Kelley was awarded a cultural certificate for a collection of Sweet Peas. Wm. Seymour gained a cultural certificate for a vase of Callas.

ALEX. FLEMING, Rec. Sec.

Newport (R. I.) Horticultural Society

The regular meeting of this Society took place on Tuesday evening, March 22. Work on the premium list for the June show was completed by the addition of the children's classes, also a class for Sweet Peas. On the exhibition table was a display of Antirrhinum majus, magnificent spikes of various colors; also a plant of Lilium longiflorum, Formosa grown stock, a 7″ to 9″ bulb grown in a 5″ pot, having two spikes which bore 17 buds and blossoms. These were grown by John Urquhart, gdr. for R. Livingston Beekman, and upon recommendation of the committee on awards they were given a first-class certificate of merit for superior culture. When questioned regarding the culture of the Lily Mr. Urquhart said that the Formosa stock has given the greatest satisfaction and has never shown the least symptom of disease. It can be forced into flower in less time than the Harrisii, but is not as durable, although in every other way very satisfactory. At the next meeting it is hinted that Orchids will be the subject under discussion. The competitions for Calceolarias and Streptocarpus take place at the next meeting; that is, for the special prizes offered by Mrs. T. Kane Gibbs; but as far as we know, very few of these plants are being grown.

ALEXANDER MacLELLAN.

PEORIA, ILL.—James C. Murray, florist, has opened another store at 302 Fulton st.

CANTON, ILL.—C. E. and W. H. Savill have leased the Barnhart greenhouses.

OSHKOSH, WIS.—The Oshkosh Floral Co. has incorporated with a capital stock of $3000.

PITTSFIELD, ILL.—The greenhouse of Mrs. George Hansen was seriously damaged by fire on March 14.

PITTSFIELD, MASS.—Arthur N. Cooley is about to add to his establishment some plant, Orchid, Rose and Palm houses, at a cost of about $3000.

PROVIDENCE, R. I.—The board of park commissioners has reported to the board of aldermen the imperative need of greenhouses for Roger Williams Park.

Books Every Florist Should Have

THE GARDENER'S ASSISTANT.—New. Two large volumes. The most complete encyclopedia of gardening published. Includes fruit culture. Prospectus. Price, $15.00.

THE ROSE.—H. B. Ellwanger. Price $1.25.

FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $2.40. Reviewed Feb. 19, 1910.

SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.

PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 27, 1909.

PLANT CULTURE.—George W. Oliver. Price $1.50; $1.00 to subscribers in good standing. Prospectus.

VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.50. Prospectus.

THE AMERICAN CARNATION.—C. W. Ward. Price $3.50. Prospectus.

SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 50c. Prospectus.

THE CHRYSANTHEMUM.—A. Herrington. Price 50c.

The review notices or prospectuses of the books mentioned will be mailed to any subscriber on application.

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Well furnished plants with solid balls of earth and roots, in 2½-inch pots, **$3.50 per 100; $25.00 per 1000.** (250 at 1000 rate.)
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An unrivalled stock of field grown **Hollyhocks** (Double, Single and Allegheny), **Aquilegias** (many varieties), **Sweet Williams** and **Hardy Pinks, Hardy Asters, Campanulas, Lychnis, Hardy Phlox** (both **P. decussata** and **P. suffruticosa**, in choicest varieties), **Peonies, Rudbeckias, Stokesias, Hardy Sunflowers, Hibiscus, Veronicas, Desmodiums,** and **Yucca filamentosa** in two sizes.

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We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(77) **Fruit of Morus rubra for Canning.**—Will you kindly advise me as to whether the fruit of Morus rubra is practical for canning?—I. P., Penna.

—The fruits of Morus rubra are not popular when canned, owing to the sickly sweetish taste. It is merely a matter for personal judgment as to whether a person likes the fruit well enough to go to the trouble to preserve it. It is not very popular on the market, and seldom used for culinary purposes.

(78) **Lilies for Easter.**—Will you please tell me through your journal what to do to get giganteum Lilies in flower for Easter, as I don't see any buds yet and am keeping them with 70° at night and 80° to 90° during the day, giving them water every day; they are from 8 to 18 inches high now?—A. K., New York.

—To have Lilies in bloom for Easter, the buds should be well in sight now. Your plants are backward, and we doubt our ability to advise you how to get them in bloom in time. Would sooner suggest the sorting of the most forward plants, keeping them in a warm house, watering with tepid water, and a light application of nitrate of soda once a week. The backward plants should be taken in a cool greenhouse and brought along gradually. Care must be exercised in the watering of these, as too much water will ruin them.

(79) **Evergreens for Names.**—From "Hudson River," N. J.

—So many Evergreens are nearly alike in foliage that it is more difficult to name them from sprigs than any other class of trees. Retinisporas and Thujas are very much alike in foliage, so are Junipers and Abies. It can only be suggested that the following names fit the numbers, but it is necessary to see the trees growing to be sure of the proper names: No. 1, Retinispora; 2, R. pisifera aurea; 3, R. obtusa; 4, Retinispora; 5, Biota Orientalis aurea; 6, Juniperus Sabina; 7, Retinispora plumosa aurea; 8, Abies concolor; 9, Abies Pichta. J. M.

(80) **Growing Dahlias for Show.**—Could some of your readers give me the proper way for growing Dahlias for show? Should the ground be manured heavily or lightly, or depend on feeding with liquid manure? Is it better to plant the old stock without breaking it up, or just one tuber and let one stem come up, and keep all the others pinched out? Any information will be much appreciated.—Hudson River, N. Y.

—Soil that will grow good Corn should produce fine Dahlias. Put a good coat of well rotted manure on soil and plough or spade it in, pulverizing well. Ordinary field grown clumps give good results where show flowers are wanted. Plant these about April 25, pinching the weak shoots out and leaving the strongest one.

This in turn should be topped, to cause low breaks. Cultivation should be strictly followed throughout the season, until the time of buds commencing to show, taking care not to disturb the top feeding roots. Staking and tying, to prevent the stalk splitting and from being broken by the wind, should be taken care of. In cases of long drought water well, once or twice a week, keeping the crust of the soil pulverized. Weak applications of manure water, bone meal or other fertilizer, applied when flowers are showing, should improve the quality.

(81) **Canaries, Goldfish, etc.**—Can you tell me where I can get German Canaries and other cage birds wholesale, also gold fish, fish globes, etc?—W. A. L., Canada.

—From Hy. Bishop, Baltimore, Md.; Wm. Bartels, 160 Greenwich st., New York.

(82) **Cuttings of Begonia Gloire de Lorraine.**—I am receiving your valuable paper the Florist Exchange every week and think a whole lot of it. Having a greenhouse in my care I find some valuable suggestions among its copies. Have been wanting some rooted Lorraine Begonia plants but fail to find any advertised. Do you know where I can get them? Also, could you tell me the best method to put lime on greenhouse glass later on, to protect from the hot sun? Have used the whitewash brush but it doesn't make a neat job of it.—H. F. R., Penna.

—Rooted cuttings of Begonia Gloire de Lorraine are seldom advertised. Established plants in 2½" pots are much more satisfactory to buyers and growers. Advertisements of such stock will be found in our columns. We know of no better method than that of using the whitewash brush for applying shading to greenhouses, and if care is exercised a neat job can be accomplished. Many growers spray the lime on greenhouse roofs with a spraying apparatus, to do which the liquid is first strained.

(83) **Express Company's Overcharges.**—The Adams' Express agent in this city refuses to give me a discount of 20 per cent. on plants shipped to me, or shipped by me, no matter how well they are packed. I want to know if this agent is justified in this, and, if not, I would like to know where and how I can get restitution for overpaid expressage.—F. J. L., Conn.

—Would suggest that you lay your grievance before the Legislative Committee of the Society of American Florists.

(84) **Disposition of Unplanted Bulbs.**—What is the best disposition which can be made with Tulip bulbs single, double and Parrot, which are in good condition but which have not been planted? They were intended to be set in open ground late in Fall after the trade was past, but the ground froze up so early and there have been no break-ups so there has been no chance.—L. J. B., New York.

—Would suggest that the bulbs be planted in the open ground as soon as possible, as many of them will give blooms later. Or, the bulbs may be planted in flats and put under a bench in a cool house, where roots will form rapidly and flowers will come later in the season. Water well after planting, to settle soil and to help along root formation.

Rose Mrs. John Laing

I wish to ask, through your columns, if there is a Rose in commerce, in red or crimson shades, that is as hardy, free-blooming, full, and fragrant as the Mrs. John Laing.—L. R. C., N. J.

[Will readers please give their opinions?—ED.]

New Orleans

With the approach of Easter the store windows of the florists begin to look especially attractive. Mrs. Rehm, at St. Charles and Napoleon aves. has a fine display of Azaleas, Hyacinths, Begonias, etc. C. W. Eichling, nice Lilac, Lilies and Azaleas. Mrs. Gruaz has an attractive display of Lilies, Narcissus and other flowering plants. P. Chopin shows Lilies, Azaleas, etc. James A. Newsham will have a fine lot of Lilies and Azaleas and a showy lot of miniature Hyacinths. A. Alost of Rose Villa has been bringing magnificent Lilies to town for some weeks past.

Spring weather is generally set in and the gardens are beginning to look gay with flowering vines and shrubs.

CRESCENT CITY.

Syracuse, N. Y.

Bard & Davis have just erected another house, 150 x 20 ft., and have it stocked for the Easter trade with Azaleas, Roses and bulbs.

C. Phillips is erecting a new house at his place on Helen st.; it is 100 x 17 ft. He intends to remodel his whole plant and will start on another house as soon as possible. He has a good crop of Carnations for Easter.

Burt, the florist, has taken a large vacant store in Warren st. as an annex for Easter trade.

The weather is mild; the glass registering 50°, so all are taking advantage thereof to get their plants to the stores.

A car sent out by the Great Northern R. R., containing specimens of the products of Washington and Montana, was here for two days, and attracted much attention. The specimens of fruit were marvelous; I never saw anything to equal them in size, in fact they were too large, to my way of thinking, for ideal desert fruit, still, there is no doubt many would pay a fancy price for it just as a novelty. The exhibit was tastefully arranged, and the attendants were very attentive and painstaking in answering the many questions put to them.

H. Y.

Indianapolis

The supply of Lilies, in which there was predicted a shortage some weeks ago has, as is customary, increased in a wonderful manner. Every one will have an opportunity of disposing of all the Lilies possible in this vicinity, if he wants to purchase them, at $12.50 to $15 per 100.

The Roepke-Rieman Co. is offering unusual Crimson Ramblers for Easter.

A. Wiegand & Son were busy last week with plant decorations.

Quite a few autos are to be decorated for the flower parade next week. The date (March 30) is an unfortunate one for the florists, and there is little competition for the business involved. A prominent department store is advertising artificial flowers extensively, and is making a specialty of decorating for this event.

The Smith & Young Co. is preparing to erect another house as soon as the weather permits.

August Roelker, of New York, was a recent visitor.

Word has been received from Thomas Knipe of Kokomo that he has a partner in the flower business; the wedding occurred in Detroit last week.

Bertermann Bros. Co. permitted the public to visit their East Washington st. establishment and view the flowers intended for the Easter trade. The stock there is in fine condition and many hundreds witnessed the display on Sunday. No stock was sold and no orders taken so that the stocks remain complete for their downtown trade. B. F. Hensley of Knightstown, Ind., is well prepared for his large shipping trade this Easter.

Martin Braendlein is cutting select Mignonette.

Benson, the florist, supplied a large order of Carnations for a department store opening last week.

Many of the hedges in this locality were severely injured by the cold weather this Winter. The outcome is not entirely to be predicted at this time, but it is thought that most of the Privet will start anew. I. B.

BATAVIA, N. Y.—W. W. Stroh, of the establishment of W. J. Palmer & Son, Buffalo, with his brother Albert L. Stroh, also a florist, will build some greenhouses 70 by 150 ft., at the junction of South Main and River sts. and operate them under the firm name of C. L. Stroh & Sons.

DREER SPECIALS IN HARDY PERENNIALS

Japanese Anemone.

ANEMONE JAPONICA. Many thousands of well-established pot plants.
Japonica Alba. Large snowy white. Doz. 85c., 100 $5.00.
Japonica Rubra. Beautiful rosy red. Doz. 85c., 100 $6.00.
Elegantissima. Semi-double satiny-rose. Doz. $1.25, 100 $8.00.
Prince Henry. Large double, deep pink. Doz. $1.25, 100 $8.00.
Queen Charlotte. Very large silvery pink. Doz. 85c., 100 $6.00.
Rosea Superba. Delicate silvery rose. Doz. 85c., 100 $6.00.
Whirlwind. Large semi-double, pure white. Doz. 85c., 100 $6.00.

ACHILLEA, BOULE DE NEIGE. A decided improvement over "The Pearl," with flowers one-half larger; a valuable cut flower. Doz. 2.00, 100 $15.00.

ANCHUSA ITALICA, DROPMORE VARIETY (Improved Italian Alkaner). One of the showiest and most useful plants for the mixed border or for planting between shrubbery that we know of; the plant grows from 5 to 6 feet high, producing throughout the season large but graceful spikes of beautiful blue flowers. Doz. $1.50, 100 $10.00.

AQUILEGIAS. A splendid stock of the popular Columbines. All the leading varieties in strong plants. Doz. 85c., 100 $6.00.

ARTEMISIA LACTIFLORA. A new plant, an introduction from China, grows 3 to 4 ft. high, with elegant dark green cut foliage and large spikes of graceful, creamy white, Spiræa-like, light and graceful flowers. Strong plants 30c. each, doz. $3.

HARDY ASTER GRANDIFLORUS. The latest of all to bloom, frequently being in good condition as late as Thanksgiving Day; flowers large, of a dark bluish violet; always attracts attention in our grounds, being the last plant in flower. Strong plants $2.00 per doz., 100 $15.00.

ASTILBE ARENDSI, CERES AND SILVER WHITE. These are the result of crossings between Astilbe Davidii, Japonica compacta, Astilboides and Thunbergii. They are of strong, robust habit, growing from 2½ to 3 ft. high, in much branched panicles; the former with light rose colored flowers, the latter with silvery white flowers. Excellent subject for a semi-shaded moist position. Each 50c., doz. $5.00.

ASTILBE GRANDIS. An introduction from China, growing from 5 to 6 ft. high; the panicles of white flowers range from 2 to 2½ ft. in length. Each 35c., doz. $3.50.

DELPHINIUM BELLADONNA. The freest flowering of all the Delphiniums and the most valuable of any variety for cutting. Its beautiful turquoise-blue flowers appeal to all who see it. Plant these early and you will have a continuous display of bloom from June until freezing weather. We offer an exceptionally fine lot of extra heavy one-year-old plants. Doz. $2.00, 100 $15.00, 1000 $125.00.

DELPHINIUM, DREER'S GOLD MEDAL HYBRIDS. Unquestionably the finest strain of mixed hybrids ever offered, being seedlings of one of the best named collections and containing some wonderful varieties. Strong one-year-old plants. Doz. $1.25, 100 $8.00, 1000 $75.00.

DELPHINIUM FORMOSUM. A splendid strain of this favorite and popular dark blue variety. Doz. 85c., 100 $6.00, 1000 $50.00.

GYPSOPHILA PANICULATA FLORE PLENA. We consider this one of the most valuable Summer cut flowers we have, a plant which is destined to become a most important subject for cutting. Strong plants, doz. $2.00, 100 $15.00.

HELENIUM, RIVERTON GEM AND RIVERTON BEAUTY. Two splendid perennials of our own originating, the former having flowers of old gold color suffused with terra cotta, changing as they mature to a wall flower red; the latter a pure lemon color with a large disc of purplish black. Doz. $1.50, 100 $10.00.

HEMEROCALIS AURANTIACA, AURANTIACA MAJOR AND FLORHAM. These are the three handsomest forms of the Day Lily, with very large trumpet-shaped yellow flowers. Doz. $1.50, 100 $10.00.

HEUCHERA, FIVE NEW VARIETIES.
Fantasie. Sulphur yellow, tinted green; tips of petals bronzy red.
Grenade. Bright red, tinted carmine; very vigorous.
Pluie de Feu. Bright raspberry-red; very free.
Profusion. Ivory white.
Virginal. Large creamy white.
Each 35c., doz. $3.50.

NEW IRIS GERMANICA.

King of Iris. A striking novelty, with flowers of perfect form; the standards clear lemon yellow, while the falls, which are very large, are a deep satiny brown, with a broad border of golden yellow. Ea. 50c.
Lohengrin. One of the strongest growers yet introduced, both foliage and flowers being of gigantic size, the flowers being nearly 5 in. deep, with petals 2 in. wide, and of that beautiful pink color peculiar to the Cattleya. Each 75 cents.
Nibelungen. Flowers as large as the preceding; standards olive green suffused with sulphur yellow; falls deep violet purple suffused with creamy white on the edges. Each 75c.
Princess Victoria Louise. Standards pure sulphur yellow; falls rich plum color with cream colored edges. An entirely new and distinct combination of colors. Each 75 cents.
Rhein Nixe. Standards pure white, falls deep violet blue with white margin; will attain a height of 3 ft., with many branched stems. Very free flowering. Each 50 cents.
The collection of 5 varieties for $2.25.

IRIS INTERREGNA.

(Introductions of Goos & Koenemann)
An interesting new type of Iris, the result of crossing Iris Germanica with I. Pumila Hybrida, and for which there promises to be a great future. They flower earlier in the season than the German Iris, and while the flowers are of the most approved and perfect form, they also combine large size with the most beautiful and decided clear colors. The foliage is dwarf and healthy, holding its freshness throughout the season; the flower stems which are about 18 inches high, hold the flowers well above the foliage.
Halfdan. The entire flower is of a pure creamy yellow, of absolutely perfect form.
Helge. Light citron yellow with pearl colored center, a beautiful soft color.
Ingeborg. Both standards and falls are pure white; the flowers are 6 in. deep and have petals 2 in. wide; a grand perfect flower.
Walhalla. Standards rosy lavender, falls claret red; a most distinct and beautifully formed flower.
Price: Each 50c., doz. $5.00; the set of 4 varieties for $1.75.

Gypsophila paniculata fl. pl.

IRIS PUMILA HYBRIDA, THE BRIDE. This is without question the prettiest dwarf white Iris yet introduced. The flowers which are of ideal form, on first opening are of a creamy white color, changing to pure white as they mature. They are produced on stems from 10 to 12 ins. high, which appear in great profusion early in May. Each 25c., doz. $2.50, 100 $18.00.

TWO HANDSOME NEW LUPINUS

Polyphyllus Moerheimi. The most beautiful variety yet introduced; a combination of light and dark shades of pink difficult to describe and without a trace of magenta. Each 35c., doz. $3.50, 100 $25.00.
Polyphyllus Roseus. A decided improvement on the old variety, immense spikes of showy rosy pink flowers; a desirable acquisition. Each 30c., doz. $2.00, 100 $15.00.

PHLOX DIVARICATA LAPHAMI (Perry's Variety). A wonderfully improved form of the popular Phlox Divaricata, of more robust habit, larger flowers and of a more intense color. Doz. $1.50, 100 $10.00.

Lupinus Moerheimi.

THREE FINE NEW HARDY PHLOX

Selected from a collection of over fifty new varieties of the past two seasons; distinct from all other sorts.

Elizabeth Campbell. Bright salmon-pink with lighter shadings and dark crimson eye; an entirely new and much wanted shade in Phlox.
Frau Anton Buchner. The finest white yet introduced, largest truss as well as individual flower; of dwarf habit.
Rosenberg. Bright reddish violet with blood-red eye; individual flower as large as a silver dollar.

Each 35c., doz. $4.00; one each of the 3 varieties for $1.00.

PRIMULA CORTUSOIDES SIEBOLDI. This Japanese Primrose is not so well known as it deserves, it is not only valuable for the hardy border but will also find ready sale as a pot plant for the window. We offer six distinct varieties, varying from the purest white to deepest rose. Doz. $1.50, 100 $10.00.

RUDBECKIA, RAYS OF GOLD. An improved form of the popular Golden Glow with which it is identical, excepting that it has narrower petals and a fuller center, it is really a refined form of the old variety. Doz. $1.00, 100 $7.00.

Anchusa Italica, Dropmore Variety.

PYRETHRUM HYBRIDUM FLORE PLENA. A fine lot of strong plants in 5-in. pots. Double white, pink and crimson. Doz. $2.50, 100 $18.00.
Choice mixed seedlings, 3-in. pots, doz. $1.00, 100 $7.00.

SEDUM SPECTABILIS, BRILLIANT. Originated with us as a sport from the variety atropurpurea, and is by far the richest colored variety yet introduced, being a bright shade of amaranth-red or dark crimson. Strong plants, doz. $1.50, 100 $10.00.

STOKESIA CYANEA, BLUE AND WHITE. Strong pot grown plants, 4-in. pots. Doz. 85c., 100 $6.00.

SWEET WILLIAM, SUTTON'S GIANT WHITE. Immense trusses of large pure white flowers; splendid for cutting; strong 4-in. pots. Doz. 85c., 100 $6.00.

TRITOMA PFITZERI. A splendid lot of strong plants. Doz. $1.25, 100 $8.00, 1000 $75.00.

SIX CHOICE NEW TROLLIUS.
Goldquelle. Large globular golden yellow.
Gotterfunke. Large, open orange yellow flowers.
Helios. Very free flowering, pure yellow, on strong-branched stems.
Lenchtkugel. One of the finest deep orange reds.
Lichtball. Large, globular orange-yellow flowers on stiff stems.
Salamander. Soft orange colored flowers of globular form.
Ea. 25c., doz. $2.50; the set of six for $1.25.

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Registered Cable Address: Florex, Newyork.

Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

S. A. F. and O. H.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the Rose Wm. R. Smith, by The Conard & Jones Company of West Grove, Pa., becomes complete.

H. B. DORNER, Secretary.

March 17, 1910.

Stray Notes from Abroad

BY T. A. WESTON

Staging Vegetable Displays Effectively

W. A. Burpee & Co. have been favoring me with some of their literature including "Sweet Peas Up to Date" and "Prize Supplement" and, as might be expected, all are unique, representing as they do the thoroughness in which this firm deals with all things. The Prize Supplement is an item that's worthy of note for, although many of our firms make a point of giving prizes at shows, none, to my knowledge, compile the year's results as do Burpees who, in effect, say to their customers, "We want to know how our seeds do, and we will pay for the information." Referring to the supplement in question I am curious to know just why exhibitors at American Fairs jumble their stuff up in motley heaps, and decorate them so freely with the Star Spangled Banner? Do they fear that the visitors will imagine they have got outside their country unless flags predominate. Some of these good people ought to get down Lenox way and pick up a few points as regards staging vegetables. It's up to seedsmen to give a few lessons in this particular line. The cut flower men and plant growers are doing their best to educate the masses in artistic arrangements. Why not tackle the humble vegetable, which can be made to look beautiful without the aid of hunting?

Traveling Greenhouses

The photograph of traveling greenhouses recently published reminded me of some years back when I used to visit a big Hampshire nursery where a number of these houses were in use. These, if I remember rightly, possessed pipes the full length, and these were fixed so that half could be emptied when not in use. The houses were put down to Tomatoes in early Spring, the ground between the extension walls being planted to Chrysanthemums. When the Tomatoes were finished, the ends of the houses were taken out, and the men then pushed the houses over the 'Mums which, of course, were undisturbed. These houses were about 100 ft. long and four or five men could easily set them running; as a lad I delighted in giving a shove on the plea that every little helped.

Providing the houses could be made to withstand cyclones, I should imagine these traveling houses would be useful to your Carnation growers.

The Florists' Exchange Novelty Number

Let me, if I may, offer a word of congratulation on your splendid novelty number. It is a magnificent production and surpasses anything of the kind issued over here. Several of our gardening journals make a point of having a Spring issue, but The Florists' Exchange special is worth the lot of them. The illustrations are particularly fine, and the Asters cause me to wonder whether the Chrysanthemum will be outclassed in the near future!

The New York Retail Stores at Easter

In visiting the many prominent retail stores of New York this week, we cannot but admire the various ideas and displays of plants as shown in the windows. It is conceded that the call will be for plants in larger numbers than heretofore, and that the Easter demand for them is increasing each year.

No new plants are on exhibition, but the old favorites have been grown so well that new ones are hardly looked for. Lilies and Azaleas are seen in quantity, and appear to be as popular as ever.

Azaleas Mme. Van der Cruyssen, Vervæneana, Prof. Wolters, Chas. Encke, and Niobe are the varieties most frequently seen. Hydrangea Otaksa, in standard and bush form, show the growers' skill, while the immense display of the various Rambler and Hybrid Roses gives the customer a wide range of plants to select from. Dorothy Perkins, Crimson Rambler and Lady Gay are as popular as ever, and these have, with few exceptions, been grown to a perfect finish. The color of foliage and flowers is all that could be desired.

Bougainvillea glabra is a popular plant, in sizes from 4" to 6" pots, as the colored bracts are so entirely different from the flowers of other plants and, if handled right, prove good plants for the house. White and purple Lilacs are strongly in evidence, while Spiræas Gladstone, and Queen Alexandra the new pink variety, are seen in large numbers; this last named variety will prove more popular when the average grower can handle it satisfactorily.

Genistas in all sizes are in every store, the half standard form appearing to be as prolific as ever. One grower had Genistas grown on a basket shape wire frame, the yellow flowers forming a complete mass on top of the basket and all around the handle, while the body of the basket formed a receptacle for the roots.

Acacias, Ericas, Laburnums, Wistarias and many other old friends are displayed to advantage. The use of ribbon and chiffon on plants and made-up baskets forms quite a feature this year, every prominent retailer showing many plants decorated with ribbon to match the flowers, while artfully hidden in the foliage and other places are storks, chicks, eggs, rabbits, etc., all of which give an Easter effect and make for greater sales.

Made-up baskets are quite numerous, and these can be seen in any size, from the immense gilt basket containing Ramblers, Spiræas, Hydrangeas, etc., to the small Birch bark box of Pansies; the liberal use of Pussy Willows in plants and baskets give a Springtime effect.

The use of Laurel sprays to cover the tall naked stems of Rhododendrons and standard Roses is a feature often seen, giving a more finished appearance to the plant. Where plants are offered for sale singly the pots are decorated with crêpe paper and tied with ribbon to match.

The outlook for a big plant trade is good, and, if the weather man sends a suitable brand for the last days of the week, we feel that retailers and others will report satisfactory business.

Cut flower conditions are peculiar; in this line everything depends on the weather and, while there is apparently plenty of stock to be secured, the demand at present is such that the retailer gives all his attention to plants, leaving his cut flower orders till the last moment.

In the wholesale market, many shipments of held-over stock were seen the forepart of this week, this fact disgusting buyers who, when such conditions confront them, rely more and more upon customers taking plants in preference to cut flowers. In fact with many retailers this has been the rule, and it is steadily increasing, to the detriment of the cut flower grower.

Stock of all kinds is generally in good condition. The past few days, which have been very warm, have increased the output so that American Beauty and other Roses have developed rapidly, and no one need fear any shortage in this respect. The Lily problem is not a very serious one, and while the stems may not be as long as desired, from present outlook there will be enough good flowers to go round at a fair price.

Carnations are now in fine form and it will be a surprise if the call for these does not clean up all in sight, even at moderate prices. Violets are of poor quality, small and off color, and the low price quoted on hundred thousand lots does not augur well for the top price reaching the $1 mark. They will be plentiful and street men have already booked heavy orders.

Callas, bulbous stock generally, and all other flowers are in good supply, and a general increase of prices is looked for.

English Horticultural Notes

Prologue

After an interval of several weeks, I once again am prompted to write and tell you how we in "Merrie England" are progressing. To go into details might make a lengthy, but not an altogether interesting story. One of the great outstanding features of interest was the presentation of his portrait in oils to Mr. Harry J. Veitch, whose name is a household word in every land where horticulturists are found. The presentation was recorded fittingly in The Florists' Exchange on the occasion of the presentation. A very large sum of money was subscribed by many friends, so that two paintings were commissioned, and every subscriber had a huge photogravure in addition, beyond all of which there was a dinner to each subscriber of over one guinea (about $5). * * * The weather for many months past has been dull and more or less wet, and we are anxiously looking forward to sunshine and brightness. But the seed trade, notwithstanding all drawbacks, has had a very good time. Houses like those of Suttons, Webb and Clibrans, as I have been told, have had an exceptionally good season; and the hardy plant nurserymen have also had nothing to complain of. Quite a number say that stocks, especially of Roses, have been sold down; for the almost total absence of severe or prolonged frost has allowed planting to proceed all the Winter.

The Florists' Exchange Novelty Number

I have been looking with envious eyes on your own Spring effort. Certainly you bring the past year's introductions prominently and compactly before your readers; but I am not sure that such a plethora can be "taken in" at one, or even two sittings. Of course, the man interested in vegetables will scan his particular pages, and leave the others, and so on; but the question arises, are these reputed novelties really an advance on existing things, and where is the evidence? Because fancy prices for doubtful newcomers make men very cautious. The whole thing rests upon the integrity of the seedsmen; yet, as one of our own growers confessed just recently, "We must live by the way," and the introduction of novelties at higher prices than can be got for older varieties helps the exchequer materially. The question of the introduction and buying of novelties opens up a wide field for discussion, and I shall not attempt the task now. The keenness of business makes it necessary for the seedsman to keep ahead, and at least to appear always "on the move" in the matter of bringing forward new flowers or vegetables; and, on the other hand, the grower for market finds it equally imperative to lay hold, at the earliest moment, of anything which is even half a point in advance of his present stock. And when all is said and done, it pays a grower to buy and test a good many dollar's worth of new things every year, if, out of that, he finds one sterling acquisition that will bring him in the gold. Looked at from the point of view of a useful, compendious, compact guide to all the leading novelties of good-class seed houses, I cannot but think the "Novelty Number" one of the best of the year, especially as growers must now comprehend that it is an annual edition which they can trustfully wait for and rely upon.

Roses and Carnations

Two new Carnations have appeared, or rather many have appeared, for raisers are now busy, but only two may be mentioned. One in Mr. Burnett's Mrs. Tatton, a large flower, rich cerise with white edges. The other is R. F. Felton, a very full rich satin pink, also by Mr. Burnett (of Guernsey). We shall hear more of them. The first named has been certificated. A new and handsome long-stemmed Tea Rose named Lady Hillingdon obtained the coveted award of merit, on March 8, from the R. H. S., London, when shown by Geo. Mount & Sons, Ltd., Canterbury. It is a handsome golden salmon flower, beautifully smooth and solid in the petal, and of long, pointed shape. The award was given to it "as a forcing variety." It is worthy of attention.

A Dahlia Conference

Our National Dahlia Society has taken a new lease of life; and as conferences have been fashionable over here, this Society convened a meeting last week, March 4, at which about 50 attended, and papers were read on the history, cultivation, selection of varieties, and exhibiting of the Dahlia. I shall summarize the points of the papers in a succeeding letter to you. The secretary of the Society is E. F. Hawes, Royal Botanic Garden, Regents' Park, London.

A New Rehmannia

Nothing of first-rate importance on this side fails, I think, to be chronicled in The Florists' Exchange. Some time last year I mentioned the new dwarf white-flowered Rehmannia Henryi. Messrs. Veitch got this from Kew and at once crossed it on to R. angulata. The result has been to greatly dwarfen the offspring, which takes after angulata in the color and shape of the flowers, and after Henryi in the habit of the growth and the foliage. It ought to be worthy a place alongside R. angulata, because of its dwarf and branching style of growth. Its name is Rehmannia J. W. Briscoe—after the man who made the cross.

London Exhibitions London is to be the gayest metropolis in the world during the Summer that lies in front. The colonial premiers and other delegates are to be here in conference, and there is to be a great London pageant, a military pageant, an international horse show (at Olympia), the Japan-British Exhibition, and half a dozen other events of only slightly less importance. All this means the outflowing of money, and we do hope for a bright warm Summer. Horticulture and flowers play a very large part in all these exhibitions, and the press is being liberally supplied with puffing paragraphs about the Japanese gardening and gardens; presently we shall also be hearing of the floral decorations at Olympia (of which I gave an extended account in the EXCHANGE last year). Yes, the florist and the gardener play a great part in these days, and they must make sure they get their due profits out of it all.

Alleged Corrupt Practices A case of the very gravest importance to the whole horticultural world in this country, is now before the law courts. A long-established general nursery firm is standing trial against charges of having accepted an order from a gardener for a case of their own insecticide, a material they do not possess, and which, of course, they could not send, but at once (so the charge runs), the firm sent a case of whiskey for the gardener's own use, making the invoice out to his employer as "300 Tulips=30s. ($7.20). This is the bald outline of the charge of which, if it is of interest or value on your side, I shall send a fuller account when further developments have been made. All eyes are upon it here.

The King Construction Co. In the course of a visit to some of the great market gardening establishments of Middlesex recently, I saw a King Construction Co.'s house, built of American material on the true American plan. It is 200 ft. long and 30 ft. wide, and though absolutely the first in England, it will not be the only one for very long. The owner, a keen and cautious grower, as well as all who have seen it, like its lightness, elegance, soundness, and general suitability. Mr. Page, the largest grower of Liliums for market in this country, thinks that 2½ per cent. might be allowed for the depreciation in annual value of this house, as compared to 5 per cent. with the ordinary British type of house. I shall carry over my notes about Mr. Page's nursery till next I write.

J. HARRISON DICK.

Working Another Man's Thunder

Editor The Florists' Exchange:

In the line of what appeared in last week's issue of the EXCHANGE under the above head is a little experience of my own in something of the same nature. In preparing a catalog, a great deal of care had been given to advise prospective customers on matters that might aid them to have success with my stock. It was quite lengthy, and was contained in many paragraphs, as the subjects seemed to require.

On receiving the catalog of a firm engaged in the same line, I was astonished to find the whole of the matter copied, word for word, paragraphs, headings and all. To say I was angry is putting it mild. In answer to a letter calling the party's attention to this abstraction he wrote back that he had not taken them all from mine, that others had the same as I had, and that he was in no ways dependent on my catalog for ideas. I replied that, nevertheless, he had copied all mine, and that as I had no time to write a preface to his lists he would be without mine in future. A year later he wrote for my catalog, to which I made no reply. Recently, he wrote again when I replied that I would send him one on his promise not to copy from it "as you did before." He replied that he would promise and I have sent him a catalog.

PENNA.

Preserving Wood from Rotting in the Ground

A method for preserving boards and posts from rotting in the ground is recommended by a correspondent in Der Handelsgaertner, a German florists' trade paper, as follows: The lumber to be treated is placed into good-sized receptacles and impregnated for 8 to 10 days with a 2 to 3% solution of chemically pure sublimate of mercury. Thereby the albuminoids in the wood, which are the sole food of the bacteria which causes the rotting, are rendered insoluble, thus the bacteria can no longer attack the wood. Boards and posts thus treated are said to last almost indefinitely, as is proved by grapevine posts which have been in the ground for 25 years and over. Wood so impregnated is not in any way injurious to plant growth. This method is called Kyanization, after its inventor, the Englishman Kyan. The Kyanization Institute of George Reichardt, Jr., of Nierstein-on-the-Rhine, Germany, will send circulars free on request.

Joseph W. Moulton

Joseph W. Moulton, for many years engaged in the nursery business and the raising of small fruits, died at his home in Hampton Falls, N. H., March 12, aged 84. He leaves a widow and two sons.

John Booth,

John Booth died at his residence on Roseneath ave., Newport, R. I., on Saturday last. He was one of the old school of English gardeners who knew his business, and was noted as a fruit grower; his Grapes, Peaches and Nectarines were always of the highest quality. He was for many years in charge of the gardens and grounds of the late Governor William Beach Lawrence on Ochre Point, and was continued on after the estate had passed into the hands of its present owner, James J. Van Alen. Leaving there, he took up the cultivation of hothouse Grapes for the market and this occupied his time until his death; he was in his 73d year.

He was an estimable man. He leaves, besides a widow, four daughters and three sons, also nine grandchildren.

The funeral services at his late residence, on Monday last, were conducted by Rev. Emery H. Porter, D. D., rector of Emanuel Episcopal Church, and many members of the craft were present to show their last mark of respect.

ALEXANDER MACLELLAN.

New York Florists' Club Banquet at Fifth Avenue Restaurant, March 17, 1910, with Members of the American Rose Society as Guests

Rose Dorothy Perkins
White Variety

As grown by Thos. Roland, Nahant, Mass., for Easter. Mr. Roland thinks this is the best white Rose there is for forcing for Easter.

Dinner of the New York Florists' Club

The twenty-third annual dinner of the New York Florists' Club took place at the Fifth Avenue Restaurant, 24th st. and Broadway, New York, on Thursday evening, March 17.

The Club had as its guests the visiting members of the American Rose Society and these with the Club's own members and their guests made the attendance quite large. A feature of the gathering was the presence of ladies, and it would be hard to say which sex took the greatest pleasure out of the occasion. The company met in the foyer of the big restaurant half an hour or more previous to the commencement of the dinner, where the dinner and reception committees performed their good offices, and President A. L. Miller held an informal reception. The tables were located throughout the big dining hall without any particular regard to arrangement. There were round, square and oblong tables, seating from eight to twenty persons, and at each was a merry party. The table decorations were fine, Roses, of course, predominating. The sight from the entrance was a magnificent one—a big crowd of well-dressed men and handsomely gowned women, all more or less acquainted with one another, the beautiful dining hall, practically new and embodying the latest ideas in architecture and decorations, the busy waiters all under the command of sectional heads and working in unison by a well-arranged system. The orchestra, in the music loft over the main entrance, played many fine selections during the dinner. The menu was an excellent one, and a neatly printed menu card ornamented with a small dinner favor in the shape of a bow of ribbon, one end of which was a miniature United States flag, the other an Irish emblem in honor of St. Patrick's Day, was at the plate of each guest. As a souvenir each lady received a pretty little silver wall calendar, with the compliments of the restaurant management.

After coffee and cigars had been passed Toastmaster Patrick O'Mara called the gathering to order and made a short address. He referred to the occasion when the Club entertained the American Carnation Society and there was only one lady present, and contrasted that occasion with the present one, when so many ladies were in attendance, a fact which showed that the Club had not only grown in membership but in respectability. In the old days, he said, a man had to go home to his wife and apologize for having been present at the annual dinner—now that man brought his wife with him to look after him, and was pleased with the innovation. He then introduced President A. L. Miller, who responded to the toast "Our Guests."

Mr. Miller said:

"If I could express my feelings, I would say a good many kind words of praise to you. Little did I think several months ago that I should have the honor to welcome the American Rose Society and to make its members feel at home. It is needless for me to say that the New York Florists' Club extends a hearty welcome to all. Gentlemen, you are always welcome and the more often we meet our brother florists from other sections of the country and talk matters over, let it be the Rose, Carnation, Sweet Pea or any other society connected with our business the better. Let us be neighborly and friendly and our work will be a great deal lighter. Of course we must not forget the S. A. F., the foundation of all our societies, and I hope that we shall all meet at Rochester in August next. I told President Frank Pierson that one of the largest locomotives in New York City would not be strong enough to carry the members of the New York Florists' Club to the Convention City. Now, ladies and gentlemen, when I was elected president of the Club I promised to do all the work that was piled upon me, but stipulated that I should be excused on the talking end. As I look over the lengthy program and see the names of such distinguished orators, who certainly can talk and whose talks I know you will enjoy, I feel I must give way to those gentlemen. I trust that we shall have, in the near future, the pleasure of entertaining you again, and with a rising toast we drink to the health, prosperity and long life of the American Rose Society."

The Toastmaster then called for the Club's ex-president, Harry Turner, to whom was presented a beautiful diamond pin, the gift of his friends in the Club, as a recognition of his services during his term of office. Mr. Turner in accepting the gift made a short address expressive of his loyalty to the Club, and his readiness at all times to help to advance its work.

Mr. O'Mara next introduced Professor John Craig of Cornell University with the remark that one way in which the florist could receive much benefit was through a closer connection with the experiment station.

Prof. Craig then spoke to the toast "Floriculture from the Standpoint of the Experiment Station."

He drew attention to the significant fact that the Empire State led all others in the extent and variety of horticultural products. She stood first in the annual output of deciduous fruits; first in the value of nursery products; first in the output of vegetable crops; first in the extent of land covered by glass for the forcing of vegetable and flower crops, and first in the value of her floricultural products. She occupied a proud and enviable position in the horticultural world. He then commented upon the peculiar fact that while most of the agricultural industries were well cared for by the State through its experiment station activities, floriculture was but weakly represented. In looking for the reason it appeared that the responsibility of this condition rested primarily upon the florist himself, for the manner in which the other industries was represented was due in large measures to the aggressiveness of the men in the field. That the glass house equipment for the experiment station research was painfully inadequate at the New York State College of Agriculture in the State which claimed floriculture supremacy was a reflection upon the progressiveness of the men in the field. The speaker cited the conditions existing in Illinois where the State Florists' Association not only secured a fine range of commercial houses for the agricultural experiment station but secured also a grant of $10,000 to be used in conducting experiments in floriculture. This illustrated a splendid type of co-operation between florists and research officers. The germ of a similar movement had been started in New York by the action of the Florists' Club of Buffalo, which had resulted in the introduction of a bill in the New York Legislature providing for an appropriation to cover the cost of erecting greenhouses to be used in solving problems in commercial floriculture. These houses, he said, are to be located at the New York State College of Agriculture at Ithaca where the glass structures already in use are devoted to laboratory and education work. The movement had already received the endorsement of the Rochester Florists' Club and the support of the executive committee of the National Society. He raised the question as to the position and attitude of the New York florists in promoting such a movement. The work was theirs and should be promoted or discouraged according to their own views and desires. He had no doubt that all would see a closer co-operation between the experiment station and practical florists in the future than had existed in the past.

The toast "Horticulture as an Educative Force" was the next on the list. Secretary Geo. V. Nash of the Hort. Soc. of New York was to have responded to this toast, but was called from the gathering. His address, however, was left with the toastmaster and was as follows:

"Mr. James Wood, in his address before the American Rose Society this afternoon, defined horticulture as the cultivation of a small enclosed area, thus distinguishing it from agriculture, which is the cultivation of the field or large area. It seems to me that the term 'horticulturist' may also be applied to those who cultivate plants in greenhouses, though this is sometimes referred to by the more restricted term of 'floriculture.' I know of no art or science which brings one more in touch with Nature than does horticulture. Here one is brought into direct contact with mother earth and with the forces of Nature—those forces acting from within the plant, which make it what it is, and those acting from without and with which the plant has to contend to maintain its existence. The art and science of the horticulturist is here brought into play to establish an equilibrium between these opposing forces. To do this intelligently necessitates on the part of the horticulturist a careful study of the nature and habits of each plant, its strength and constitution, and the peculiar surroundings which it demands to develop the best that is in it. Because a Cactus plant thrives in the desert is not a sufficient reason for baking it when bringing it into the artificial conditions of a greenhouse. In the desert the plant can send its roots as far as necessary to secure sustenance, but in the greenhouse it is enclosed in a 6-in. pot, perhaps, and its sole supply of nutriment is confined to the small quantity of soil contained therein. In this case the equilibrium must be established by furnishing the plant with water whenever the soil becomes dry, although in the desert it may not get rain for months. Other instances of this nature might be cited. But what is a horticulturist? Any one who supplies the needs of a growing plant, be he rich or poor, great or small. It matters not whether he be the man of large affairs who operates upon a large scale; or the man or woman who tills a small garden, be it ever so small, perhaps only a corner in the back-yard in the city; or the little child who has only a few plants in pots or in a window box, some tiny resident, perhaps, of the lower East Side, whose window box is his only idea of the green world; each is a horticulturist, differing only in degree, not in kind. This brings me to the topic upon which I am expected to address you this evening. 'Horticulture as an educative force.' So wide is the scope of horticulture along this line that it would be impossible for me to attempt to cover the subject within the limits of a short address. I will therefore confine myself to one small corner of it, its application to the children. It is, indeed, a small corner, but one of vast importance, for the child is the future man, and it is here that we should begin to make our future horticulturists. Let the child imbibe a love of horticulture and of plants with his early experiences, and for this reason the school garden seems of so much importance. As you are aware this movement has attained considerable force in this city. Not only school gardens have been established, but private parties have taken up the idea of the child's garden. It is only necessary to refer to the work along this line done by Mrs. Parsons, who has ably conducted gardens of this nature. The movement is wide-spread and its importance apparently recognized. I am informed that one of our neighboring suburbs, Tarrytown, is also working along this line and is desirous of establishing school

Exhibition of the American Rose Society, New York, March 16-18, 1910. A. Farenwald's Prize Winning Vase of Richmond at Left. Entries for Moore, Hentz & Nash's Cup at Right

Members and Guests of the G. and F. Club of Baltimore Present at the Annual Dinner, Schneider Cafe, March 14, 1910

gardens; and now that an active horticulturist of that place, a man who *does* things, has been elected president of the Council of that town, we can expect things to move somewhat in this direction. Work of a similar nature has also been done at the New York Botanical Garden. Some years ago the director of that institution, Dr. N. L. Britton, was approached and a request made to give the children of grades 4B and 5B, of the Borough of the Bronx, a series of lectures on Nature study as applied to plants. One of these was on the cultivation of plants, and this naturally fell to my share. This lecture has now been given to over 2000 children every Spring and Fall for several years. The children range in age from 10 to 12 years. The lecture deals with only the mere rudiments of horticulture: how to sow seeds and make cuttings; the uses of the various organs to the plant; and simple instructions as to how to supply the needs of growing plants and their care. It is purposely made simple and is profusely illustrated with colored lantern slides. After a lecture the children are dismissed in groups and each group is shown the actual objects of which they have heard during the course of the lecture. Thousands of children have been reached in this way, and how far-reaching may be the results none can tell. If you wish to make horticulture a great educational factor begin with the children, for they are the future men and women, and the future of horticulture rests with them.

F. R. Pierson, president of the S. A. F. & O. H., was the next speaker, and his appearance was the signal for great applause. Mr. Pierson's subject was "National Horticulture," one which he handled breifly but to the point. Naturally his topic led him to the work of the S. A. F., some of which he detailed in demonstration of the fact that his Society was fully alive to the interests of national horticulture.

August F. Poehlmann, president of the American Rose Society ably responded to the toast honoring his society. He spoke of its work and its great field, of its usefulness in guarding the interests of Rose growers and of the support it was receiving from other societies. He asked the support of all for his successor in office, and predicted the combination of exhibitions in Boston next year would be the grandest exposition of horticultural products this country had ever seen.

W. A. Manda responded very happily to the toast "Our Night," and at the conclusion of his address was loudly applauded.

The next call of the toastmaster was for Richard Connel, of the Dutchess County Hort. Soc. who made a lengthy but most witty response to the toast "The Ladies—God Bless 'Em."

The musical program was much enjoyed. Miss Sabery Dorsell sang "The Pearl of Brazil" and "Come Back to Erin" most charmingly, and received for both well deserved encores. Russel Kelly gave an admirable 'cello solo. Miss Barnett gave one of her delightful recitations, and Master K. J. Casey simply "brought down the house" with his character songs. Other soloists were Emory B. Brante, Miss Daisy Pollock, Maurice J. Hayes, and Edmond A. Jahn.

The dinner was a huge success, and it was long after the "wee'est sma' hour" before the last of the guests departed.

The Massachusetts Agricultural College

The short course in floriculture closed March 11. It is regretted by the faculty that so few took advantage of the excellent opportunities to avail themselves of practical and theoretical information along floricultural lines, and it is hoped the course may be more largely attended next year. The registration for this course included: Albert C. Bradstreet, Topsfield; Lydia A. Bowser, Cohasset; George A. Gray, Beverly; Edward L. McCarroll, Waban; John L. Killam, Boxford; Willard M. Pease, Monson; L. E. Torrey, Southbridge; William Scace, Pittsfield, all of Mass.; Albert Lewis, Rockaway, Long Island, N. Y.; Edwin G. Scott, Garfield, Washington; Edwin R. Selkregg, North East, Pa.

While it is difficult to arrange a course which will meet the needs of all classes of students, the aim is to give the beginner as much elementary information as possible without neglecting those who are more advanced, and at the same time to make the work sufficiently scientific to satisfy the needs of those who have been longer in the business.

The talks by the various practical men who have generously assisted in the course have again proved most valuable. Aside from the general lectures of the course the following spoke on some special feature of glasshouse work: F. J. Elder, heating expert, Lord & Burnham Co., Irvington-on-Hudson, N. Y., on heating; Eber Holmes, Montrose, on Rose Culture; W. H. Elliott of Brighton on the same subject; Peter Fisher, Ellis, Mass., on the development of the Carnation; M. A. Patten, Tewkshury, Mass., on cultural methods for the Carnation. E. O. Orpet of South Lancaster, Mass., gave a very fine talk on Orchid growing and exhibited a large number of varieties in bloom; E. J. Canning of Northampton, Mass., spoke on the work of the private gardener. Aside from these speakers, C. H. Totty of Madison, N. J., gave a very excellent talk on Chrysanthemums. J. K. Shaw of the horticultural division of the Experiment Station spoke on the principles of plant breeding, and H. D. Haskins of the chemical division of the Experiment Station gave an instructive talk on fertilizers for the greenhouse crops. Edward MacMulkin of Boston was scheduled to speak on the retail trade, but was prevented from doing so because of sickness.

All the young men had positions when the course was completed and several more might have been placed. The demand for men was greater than the supply.

Some important changes are planned for the course next year. The morning will be occupied in class-room work and lectures will be given on such subjects as the management of greenhouses, greenhouse crops, fertilizers, insects, diseases, and the like. In the afternoon the class will be divided in two sections; one section is to consist of those students who have little knowledge of floricultural work, and the time will be spent in practical work in the greenhouses; the other section will consist of men of considerable practical training, and the afternoon will be spent on assigned reading or some special branch of research. It is hoped in this way to meet the needs of all taking the course.

The Saturday observation trips proved especially profitable. The following are among the ranges visited: H. W. Field's, Northampton; A. N. Pierson's, Cromwell, Conn.; The Montgomery Co.'s, Hadley; Smith College Conservatories, Northampton; Mt. Holyoke College Conservatories, South Hadley; Waban Rose Conservatories, Natick; Wm. Nicholson's and S. J. Goddard's, Framingham; Butterworth's, South Framington; Peter Fisher's, Ellis,' Geo. Sinclair's, Holyoke, and Wm. Sim's, Cliftondale. Full notes on each of these trips were required.

The Massachusetts Agricultural College stands ready to assist the State florists in every way possible; the mission of the floricultural department is to be of service to the practical growers and retail men. This can be accomplished only through the most cordial cooperation. The support the college is receiving from these practical men is very gratifying.

Echoes of the American Rose Soc. Exhibition

The better showing made in the classes for pot Roses was a feature of the 1910 show. H. C. Steinhoff of West Hoboken, N. J., was a particularly strong competitor, carrying off most of the honors.

The Julius Roehrs Co. of Rutherford, N. J., exhibited a magnificent specimen plant of the Wichuraiana Rose Hiawatha, for which a first prize was awarded. The company also took a prize in the class for six climbing Roses. In the latter exhibit was seen, probably for the first time in a New York exhibition, the Polyantha Rose Mrs. F. W. Flight, a 1905 European introduction. It is a very bright, strong pink with white center, semi-double, flowers carried in large trusses. Tausendschon, which stood next to it was quite eclipsed in contrast.

The closing hour of the last night of the exhibition was enlivened by the counting of the ballot for Miss Hammond's prize, for the handsomest staging among the Rose exhibits. The votes were confined to lady visitors, and the number cast was quite large, covering about everything in the hall from a pot of Marguerites to a choice Orchid. After the rejected ballots had been determined the count resulted in favor of the exhibit of Richmond Roses of Adolph Farenwald, Hillside, Pa.

The many and fine exhibits of the Rose My Maryland showed that this variety could be staged in excellent form for exhibition. Nearly all the vases of it were in splendid shape on Saturday morning and doubtless remained in good condition for a day or two longer. The same may be said of the condition of many of the other exhibits.

The poor showing in the American Beauty section was a great disappointment. While the reason advanced for the paucity of exhibits was that the variety was at present "off crop," there were many at the show who declared that the New York wholesale market was all week receiving better blooms for disposal through the usual channels. Was it a case of want of nerve?

Much interest was taken in the competition for the Moore, Hentz & Nash cup, for the best six Roses, American Beauty excepted, two of which must be white and four red, pink or yellow. There were 13 entries, rather a small showing when it is considered that it was a class to fit almost any Rose grower, however small. The U. S. Cut Flower Co. of Elmira, N. Y. carried off the cup with two flowers of Ivory and four Chatenay, all on stems about 4 ft. long. We present a picture in this

Short Course Students in Agricultural and Horticultural Subjects at the Massachusetts Horticultural College, Winter Session, 1910

Erica melanthera
As grown by Thomas Roland, Nahant, Mass., for Easter.

issue which includes the entries in this class, and the winning vase is easily distinguishable.

The two vases of Rose Mrs. Jardine shown evoked feelings of regret with some growers that they had not made trial plantings of this excellent variety. The shallowness of the flowers, considered a detriment to the variety's commercial possibilities, was much more than compensated for by the grandeur of the opened flowers in the vases shown.

Vases of Carnations Alma Ward and Mrs. C. W. Ward, not for competition, attracted much attention. On Saturday, when the hall was cleared, the flowers appeared to be still in the pink of condition.

The Rosary Flower Co., 24 E. 34th st., New York City, made a dainty exhibit of a lady's hat, made up of Violets for the base with trimmings of Dendrobium Wardianum, and a floral muff to match. On the second day the exhibit was augmented by the addition of a parasol trimmed with the same variety of Dendrobium and Adiantum Farleyense. This exhibit at all times was surrounded by a crowd of ladies and surely proved to be an advertisement of the highest type, and for which the cost, represented by the mere outlay for the stock in the exhibit, was ridiculous. It is, indeed, strange that our New York retailers are not more alive to the possibilities presented by these exhibitions for bringing their establishments into prominent notice. One of the door guards at the show, who is well qualified to make the statement, said that over 3000 representatives of the best families in New York passed through the Exhibition on Thursday.

The lecture room in which the convention sessions were held was completely filled on Thursday afternoon, when President James Wood of the Horticultural Society of New York read his paper on "Ideals of Horticulture." He was followed by George V. Nash, of the New York Botanical Garden, secretary of the Hort. Soc. of New York, who delivered an interesting lecture on "The Rose and Its History." The lecture was illustrated by a number of excellent lantern slides.

Much credit is due to the manager of the exhibition, Joseph A. Manda, for the able manner in which the exhibition was arranged and conducted. The long straight lines of benches so painfully in evidence at most New York exhibitions were absent at this one, and the various stagings appeared to greater advantage. The benches, too, were lower than usual, a feature which made it possible to see many of the exhibits otherwise than in silhouetted form. For some of the very tall exhibits a still lower benching would have allowed of a better inspection of the flowers.

R. Vincent, Jr., of White Marsh, Md., who, with Mrs. Vincent, will leave New York April 9, has been deputed by the American Rose Society to act as its accredited representative in Belgium and Holland during his sojourn in those countries. A number of English horticultural traders, whom he will join on the other side, will leave London for Holland April 22, and will be present at the great Haarlem show, April 23. Here they will remain several days, thence proceeding to Brussels, on the 29th or 30th of April, in order to be present at the Brussels show, which opens May 2.

There is to be noticed on this page a reproduction of a cartoon which appeared in the New York World of March 20, and which was made at the dinner of the New York Florists' Club, whose guests were the visiting members of the American Rose Society. In the account of the banquet, speaking of the visitors, the paper in question says "Another distinguished guest at the banquet was Mayor Philip Breitmeyer of Detroit who, when he isn't mayoring, is a florist." A postscript at the end of the account notes that "$10,000 would be a lot for the rest of us to spend for flowers, but when you're a florist it's different." By the way, the headliner to the reporter's screed was "Banqueting 'Mid $10,000 Worth of Flowers."

The judges were up against a very fine proposition in the course of their judging. They awarded the prize for the best new Rose of American origin during 1909 and 1910, a silver cup offered by Alex. Montgomery, Natick, Mass., to Myers & Samtman, Wyndmoor, Philadelphia, for their sport from My Maryland. The decision being questioned on the ground that there was not sufficient distinction between the parent variety and the sport, a test in color, which was the paramount issue in the case, was consented to by all parties concerned. The varieties were mixed, flowers being marked for identification by the judges. A disinterested grower was asked to pick out the flowers from the sport variety, but his selection only covered three flowers. A member of the firm of Myers & Samtman, who was a willing participant in the test, picked out nine flowers. Under the circumstances the judges withdrew the award, and their action was satisfactory to all parties. But, seen in bright daylight, the M. & S. flowers showed remarkable depth of color.

Among the Growers

Thomas Roland, Nahant, Mass.

On Sunday, March 20, a small delegation of the craft visited Thomas Roland's unique establishment at Nahant. Words are inadequate to do full justice to this wonderful collection of Easter plants we found here. We are not using inflated language when we say there is no other place in New England, either in private or commercial establishments, where such specimens can be seen.

House after house is filled with specimen Roses. The most important varieties are Lady Gay, Hiawatha, Baby Ramblers and Tausendschon, in splendid specimens; this latter Mr. Roland thinks one of the best Roses of its color. There are quite a number of new varieties on trial, some of which are thought to be very promising; one in particular which Mr. Roland pointed out is the new double French Rose, known as Mrs. Taft, which has a dwarf habit and a better color than the Baby Rambler. One of the finest white Roses for Winter forcing Mr. Roland says is the white Dorothy Perkins, of which the accompanying illustration shows a good example. Mr. Roland is to grow this variety in quantity for another year.

Heaths are especially well grown here, as will be seen from the picture of Erica melanthera, and quite a number of other varieties are grown, the most important are Erica cupressina and E. persoluta rosea.

Boronias are especially well done and the beautiful B. elatior were the finest specimens we have ever seen. Boronia megastigma is not as showy as B. elatior, but what it loses in showiness it gains in fragrance.

The Hydrangeas here were splendid, well grown and beautiful specimens. There are quite a large variety of these plants on trial and some of the most promising of the new varieties are Joan d'Arc, Avalanche, and Souvenir de Clair.

Genistas are here in all shapes, as pyramids, baskets and other pleasing forms.

Lilies are grown in large quantities, about 10,000 being ready for this week's market. There are many other plants grown here; those mentioned are a few of the nice things Mr. Roland gives to the people of the Hub for their Easter greetings. ROBERT CAMERON.

Rose Veilchenblau at Rochester

We publish herewith a first-class picture of the Blue Rose from a photograph sent us by the growers, Messrs. Ellwanger & Barry, the product of one of their greenhouses. This Rose has been repeatedly mentioned in these columns, but this is the first opportunity we have had to illustrate it. As grown in the E. & B. establishment, these plants average about 4 ft. in height when in bloom, and are covered with conspicuous clusters of violet blue flowers. The buds as they open might be described as violet red, but when fully expanded they assume a violet blue color. The plants were grafted on Manetti stocks in Jan., 1909, and have made good growth since then. The massed effect of the color is unique and striking and, as it is a Climbing Rambler its effect on a pergola or trellis, at a short distance, will be pleasing. A remunerative demand for this Rose is expected.

Roses in Oregon and Washington

North Pacific Coast Roses

A paper, by S. B. Sibson, Portland, Ore., read at the convention of the American Rose Society, in New York, March 17, 1910.

You will appreciate the vastness of the subject upon which I have been requested to speak, when I remind you of the extent of territory, and diversity of conditions in regard to climate and soil, that exists within the two States I am to discuss. Combined they aggregate 165,000 square miles, an approximate acreage of 61,500,000 acres of land so diversified in character that in a brief address it is possible only to select a limited area and to refer generally to the balance of this wonderful empire, which in development is only in its infancy. Having a coast line on the Pacific Ocean of about 500 miles, these States are divided about one hundred and fifty miles from the Coast by the Cascade range of mountains into two great sections, namely: eastern Oregon and Washington, and western Oregon and Washington. It is of conditions in the western division that I will endeavor to say a few words that may interest those of you who are strangers to our country.

Climate

The climate of western Oregon and Washington is remarkably mild and even. Occasionally, of course, we have "hard Winters." The one from which we are now emerging has been, all told, the worst I have seen during a residence here of nearly forty years. As a rule, however, the Winters are mild, rainy and pleasant, with

The Blue Rose (Veilchenblau)
Grown by Ellwanger & Barry, Rochester, N. Y.

a mean temperature in a series of years for the five months between October and May of about 46°. In the Summer months, from May to October, the average temperature, during a like period, has been about 63°. These temperatures you will note are *averages* for a series of years. "Cold snaps," which seldom record lower than from 10° to 15° of frost, occasionally occur in Winter and the "hot spells" of Summer, which range from 85° to 90°, and sometimes a few degrees higher, have been, of course, included in arriving at the averages I have quoted.

Rainfall

Western Oregon and Washington are frequently credited with an excessive rainfall; in fact, I have heard strangers claim that "in Oregon it rains thirteen months in the year." As a matter of fact, the precipitation at Portland does not exceed 46 inches per annum, and in a series of years it has not reached this average. Perhaps, to people who visit us in Winter, it may appear to rain excessively, because the bulk of our rainfall takes place during the six months from October to March. I have noticed that when we have an unusually long rainy Winter generous crops of grain, fruit, and all the products of the ground result, and, while I have never seen an analysis of our Oregon Winter rainwater, I believe it is one of the best natural fertilizers, and laden with plant food by a beneficent Nature.

About Roses

With such a climate as I have briefly outlined, with soil unexcelled, and with a people who are enthusiastic lovers of the Rose, is it surprising that our country should have become celebrated for its Roses? The following motto of the American Rose Society is with us "a condition and not a theory."

"A Rose for every home,
A bush for every garden."

This sentiment is good, but in my opinion far too modest, and I hereby beg to make a motion to amend and substitute:

"*Roses* for every home,
Roses for every garden."

The motto of the Portland Rose Festival Association is:

"Roses fragrant, Roses rare,
Roses, Roses, *everywhere*."

and this is consistent with the feelings, opinions and practice of our people.

Wild Roses

Wild Roses of many species are indigenous and flourish in luxuriant foliage and wealth of bloom. The fragrant Sweet Brier, vigorous and strong, in many places lines our country roads. In some districts of deep alluvial soil the Swamp Brier attains a height of 20 ft. or more. High up some mountain slope we find wild Roses rioting amid the Huckleberry, Sallal and other native shrubs.

The late Rev. Dean Hole, a great rosarian and one of the originators of the National Rose Society of England, in his invaluable "Book about Roses," says in effect that wherever wild Roses grow, Rose culture may successfully be practiced. Without a doubt there are in our soil, climate, and surroundings qualities peculiarly conducive to Rose growing. Eastern people are often surprised at the size, perfection and beauty of Roses in this country. To emphasize this assertion I will quote the opinion of an expert, well known to many of you, who visited Oregon in 1903.

Portland:—An Expert's Opinion

"Portland is the only place I have struck since leaving home that I would like to remain in." This was the remark of E. G. Hill of Richmond, Ind., a horticulturist well known to most Rose growers of this city, who arrived here a few days ago on a tour of the Coast. He had heard of the beauty of Portland Roses and the first thing he did after getting here was to look about town and visit some of the principal growers. He was fortunate in arriving just after the rain, and so found the Roses in good condition. He was taken out by James Forbes to visit Riverview cemetery and other places, and so had an opportunity to see the best Roses to be found in Oregon. He was delighted, and said he had never seen such beautiful Roses before, though he had traveled through England and France when the Roses were at their best, and had come through southern California on his way here. Of one gentleman's flowers, he said: "I have never seen such a hedge of La France Roses, even in France, and as for the Caroline Testouts, the man who originated that variety never had any such on his place." The foliage on the trees and shrubs in the cemetery and the vivid green of the grass Mr. Hill considered perfectly wonderful.

Size of Roses

I think it was Oregon, and perhaps Portland, that first realized all the good characteristics of that fine variety "Mme. Caroline Testout," which is now, probably, one of the five most popular Roses in existence. It fairly revels in the warm moist days of early Summer and responds to intelligent and generous treatment, with almost continuous bloom from June until the frost of Winter. When I was an amateur, or, as we say here, "a Rose Crank," and before joining your professional ranks, I had the time and inclination to develop the best I could get out of my Rose garden. You know the "Paul Neyron" was up to a few years ago, and perhaps is yet, the largest Rose in cultivation. I have seen it credited in your Eastern catalog with this characteristic, and further described as "sometimes attaining 5½ to 6 in. in diameter." In Portland, in my own garden, I have cut this Rose, not once, but often, measuring 11¼ in. in diameter. Perhaps you will think this is a Rose story. It reminds me of a Portland friend of mine, Judge W. ———, now passed across to the happy hunting grounds, beloved of all good sportsmen and Rose lovers.

Some years ago the judge and I were fly fishing on one of Oregon's lovely streams. A little distance ahead I saw him scientifically play, and shortly land, a fine trout, calling out excitedly "Sibson! a 3-lb. beauty." While saying this he had taken from his pocket his scale and hooked it in his "beauty's gill," but lo! it registered only 1¾ lbs. Throwing his scale far into the stream, he cried, "Darn this scale it never *is* right." I beg, however, to assure you that the foot rule that measured the Roses above referred to was correct. While the size attained as mentioned was exceptional, and was the result of constant and intensive cultivation, it indicates, relatively, the size of flowers that can be realized in our climate and soil.

Evolution

Ever since I have known Portland, when her population was only about 9000, her people have been devoted to Roses, and I believe the same applies to every town in western Oregon and Washington.

Nearly 20 years ago excellent Rose shows were held in Portland. In those days the ladies of the city took hold, and by united effort and a good executive, exhibitions were held that would have been a credit to much larger places. The love of Roses thus encouraged rapidly increased and every new home builder became a lover of the Rose.

In 1901 the Hon. F. V. Holman, a leading attorney and noted amateur rosarian, suggested that Portland be christened and henceforth called "The Rose City." The suggestion quickly "took" and today not only in this country but throughout the civilized world Portland, Oregon, is identified with fine Roses.

In 1905 the Lewis and Clark Exposition attracted, I think, some two million people to this city, and stories of the reputation and beauty of her Roses were disseminated far and wide. About two years later the Portland Rose Festival Association was organized, and annually in June there is held a "week of Roses," including the great Rose show under the auspices of the Portland Rose Society. At this Rose show last year it was estimated *three million Rose blooms* were used in the decoration of the building in which the show was held. Perhaps I am saying too much of Portland, but in this connection it is almost unavoidable, because I live here, and have been and am in close touch with these matters. Other towns, however, in western Oregon and Washington are developing the same success in their cultivation. It is invidious to mention names where all are interested, but it would surprise many of you gentlemen to see the beauty and quality of flowers that are exhibited at the Rose shows throughout this section. At many of them the latest introductions of Europe are exhibited. Our rosarians are also discriminating and well posted about their favorites, and woe betide the dealer who is not careful to keep everything true to name.

Shakespeare says: "What's in a name? That which we call a Rose by any other name would smell as sweet." But *here* we must have the *true* Rose by its *true* name, that was given to it by its introducer at its birth. I could say more about this, but it does not come within the province of this paper.

Commercial Aspects

So far, Mr. President and gentlemen, what I have written may not have been of interest to you, as professionals wishing to know something about the conditions from a commercial point of view. I regret to say that for commercial growing in a large way many unsurmountable drawbacks exist. The mildness and beauty of the climate, so favorable for the amateur, is absolutely impossible for the professional.

About five years out of seven the plants will not ripen until too late for distant shipment. I have often cut good outside Roses at Christmas. Then our Spring usually opens too early. Frequently when the East is blocked with ice and snow our Roses are budding out and getting ready to bloom. I have more than once seen outside Roses in Portland begin to bloom by or about the 8th of April. On the other hand, several times no Roses have been in bloom on Decoration Day, May 30.

In the former cases the shipping season is ruinously curtailed. At other times there are killing frosts late in January or February, and in my own experience I have seen the young Wheat plants frozen out in the middle of March, necessitating re-seeding of practically the whole northern part of western Oregon. In such seasons the plants suffer such serious injuries that a year is practically lost before they can again be ready for market.

I am afraid that some of our push clubs might object to these plain facts, but for all general purposes the climate and conditions which exist in Oregon and Washington are so good that the truth will not hurt either us or them.

Field Day of the Boston G. and F. Club

The first field day of the year for the Club was on Saturday, March 19. Some time ago the members and their friends were kindly invited by Mrs. Wm. Edgar of the William W. Edgar Co., Waverley, to inspect the greenhouses and their contents just before Easter. Quite a good-sized crowd of florists, gardeners, seedsmen, salesmen and others met at Park St. subway at 1 p.m. on Saturday and journeyed together. On arrival they were met by Herman H. Bartsch, the manager and escorted through the range.

The Club has visited this establishment annually for several years past and we must confess that our members never saw the place in better condition than it is at the present time, and much credit is due Mr. Bartsch for the superb condition of things. The houses of Easter Lilies were especially good as will be seen from the accompanying photograph; in fact, they are as good as any Lilies we have seen so far this year. They have 15,000 plants in pots in readiness for Easter, all to be shipped this week.

These are a few of the things the boys saw in the best possible condition and all to be shipped out this week: Genistas, 1800 in pots of various sizes; 1000 Azaleas, 500 Hybrid Roses in pots, 500 Rambler Roses in pots, 200 pots of Lilacs, 500 Astilbe, 500 Hydrangeas, 100 splendid specimens of Callistemon speciosus (Australian Bottlebrush), and a fine lot of Gardenias and other miscellaneous stock.

Since our last visit there have been many improvements, one of the most noticeable being the neat concrete benches which have been built throughout all the greenhouses. The neatness and cleanliness of all was commented upon by many of the members and the excel-

The Buffalo Florists' Bowling Club

Home of Easter Lilies
As grown by Wm. W. Edgar, Waverley, Mass.

lent condition of the stock was apparent in every one of the houses.

After the inspection the visitors were invited into the large shipping shed, and a substantial luncheon was served by Mrs. Edgar and her young lady assistants.

As the president and vice-president of the Club were both absent, William N. Craig, the secretary, made a few suitable remarks, thanking Mrs. Edgar for her hospitality and speaking very highly of the thriving appearance of stock throughout the establishment. Michael Norton, one of the "Old Guard," was with us and he also spoke.

From hence most of the members went to Edgar Brothers, which is close by, where they saw two fine houses of Sweet Peas just coming into crop. The houses are practically new and measure, the one, 200x40 ft., the other, 200x30 ft.

The members then stepped into Peirce Brothers' large establishment. The best thing we saw there was a large batch of Lilium speciosum.

From Peirce Brothers we went to A. M. Davenport's place at Watertown, and were escorted through the various houses by the manager, A. P. Peterson. Everything here was in tiptop shape. The Easter Lilies were in fine condition and there were 8000 of them in shipping condition for this week. Nicely grown and well flowered Baby Ramblers were much admired; of these there are 1500 plants. Three thousand Hydrangeas were seen, of which 500 are in bloom for Easter. Other stocks in quantity noted were Genistas, Bougainvilleas, English Primroses, Rhododendrons, Azaleas and Deutzias. An immense lot of Ferns from spores are grown. We noticed under one bench 1000 small pots in which were seeds of Cocos Weddeliana.

It was getting dark by the time we finished the inspection of these houses and the party broke up, each one was well pleased with the day's outing. Field Days are stimulating and interesting and of great benefit and instruction to those who can attend them.

ROBERT CAMERON.

PLEASE NOTICE THAT

Items of interest to the Retail trade are not confined to these pages, but will be found throughout the entire paper.

'Mum Georg Arends

This sport of La Triomphaute, a variety noted for its sporting tendencies, was discovered in 1906 in the Triomphante greenhouses of R. Koenemann of Remscheid, Germany. At first it was designated as of a salmon color, and this is the impression one gets in glancing at the flower when it is opening. But, on closer examination, it is found that the color is a mixture of light shades of yellow, pink and salmon, a combination that is new and very pleasing. The peculiar salmon-like sheen is probably due to the yellow stripes on the individual petals.—*Moeller's.*

Influence of Light on the Development of Plants

The French National Society of Agriculture has recently bestowed a high reward upon Mr. Raoul Combes for his researches relative to the influence exercised by varying degrees of light on the development of plants. In order to study this influence, Mr. Combes selected a large piece of ground over which he stretched coverings of cloth, whose meshes were graded as to size, and under these he cultivated different vegetables, as Radishes, Peas, Grain, etc., under the same conditions of soil. He found out that the intensity of light most favorable to any given species varies according to the stage of its development. Radishes, for instances, on first coming out, develop better under a subdued light, but as they reach the stage of maturity they want an increasingly strong light.

Plants do not behave alike as regards their demands on natural light. While the Potato yields its maximum of fruit under the most intense light, Wheat develops better under a slightly subdued light. Varying degrees of luminosity also have different effects upon the germination or the flowering, that is, the part of the plant above ground, or that below ground.

The conclusion reached by Mr. Combes is in general as follows: Under the most intense light plants accumulate the largest amount of reserve nutrition, while under a somewhat subdued light they draw upon their reesrves in order to form new organs.—*Revue Horticole.*

Azalea Prof. Wolters

The Retailer as an Advertiser

In a business experience extending over thirty years we do not recall a single instance where judicious advertising has failed to benefit. The problem of advertising to catch the trade of the public is a harder task than that of advertising in a trade paper where you know your customers know you and your goods by reputation. Therefore, in this latter case, a simple announcement may do the trick.

In the matter of interesting the public the endeavor must be on quite different lines, and to catch attention with your literature, and give it the snap and point that will urge the reader to drop in at your store calls for study of what you have to offer as the attraction and the wording of your printed matter so as to gain the desired result. And, equally important, and perhaps most important of all, is the form the announcement shall take, whether by circular or through the newspapers.

The circular should be presentable, even if inexpensive, never gaudy, and should be worded as a personal

The Gardeners and Florists' Club of Boston at the Wm. W. Edgar Establishment, Waverley, Mass.
The gentleman at the extreme left is the able manager of the establishment; the lady on the extreme right is Mrs. Edgar with her little daughter.

W. J. Palmer & Son's Branch Stand at Hotel Iroquois, Buffalo, N. Y.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — **ALBANY, N. Y.** — **11 North Pearl Street**
Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — **AMSTERDAM, N. Y.** — **SCHENECTADY, N. Y.** — Estab. 1877

Atlanta Floral Co. — **ATLANTA, GEORGIA** — **41 Peachtree Street**
We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** — **124 Tremont Street**
We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** — **24 Tremont Street**
Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Robt. G. Wilson — **BROOKLYN, N. Y.** — **Fulton St. and Greene Ave**
Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — **BUFFALO, N. Y.** — **W. J. PALMER & SON, 304 Main St.**

Hauswirth — **CHICAGO, ILL.** — **The Auditorium Florist, 232 Michigan Ave.**
The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

JULIUS BAER, CINCINNATI, O. — **Fourth St.**

Frank F. Crump — **COLORADO SPRINGS, COLO.** — **Retail Florist**
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co. — **CONNECTICUT** — **New Haven** — **1026 Chapel St., Opposite Yale College**
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. G. Matthews — **DAYTON, OHIO** — **Florist, 16 West Third Street**
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Deutzias in Mission Basket

invitation to the recipient to visit your store or showroom. The use of a form of this character is never offensive and, sent to regular customers as well as to a list of select names, constitutes the most recommendable method of solicitation of patronage; it can be used to advantage by retailers anywhere and everywhere.

Newspaper advertising, especially in the larger towns and cities, should be availed of whenever the circumstances warrant. Naturally this would not be remunerative unless the advertiser carried a goodly quantity of stock. As this advertising is transient and inserted in the papers but once or twice a fair amount of display should be bought, otherwise your effort will be swamped by larger advertisements obscuring yours. If given timely notice most daily papers are only too glad to have their artist assist in designing the framework or pictorial part of the advertisement.

F. H. Kramer, a retail florist of Washington, D. C., is a firm believer in the efficacy of newspaper advertising. He liberally patronizes these publications at every possible opportunity and for this Easter used half and full pages in the Sunday papers of his city of March 20. Our reproduction is of a full page advt. he had on that day in the Washington Times.

The Park Floral Co. — **DENVER, COLORADO** — **1706 Broadway**
J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

John Breitmeyer's Sons — **DETROIT, MICH.** — **Broadway and Gratiot Ave.**
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — **INDIANAPOLIS, IND.** — **241 Massachusetts Ave.**
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — **JACKSONVILLE, FLA.** — **20 Laura St.**
We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — **KANSAS CITY, MO.** — **1017 Broadway**
I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — **LOUISVILLE, KY.** — **644 Fourth Avenue**
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA** — **855 St. Catherine St., West**
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Young & Nugent — **NEW YORK** — **42 West 28th Street**
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** — **25 Clinton Avenue, North**
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — **SCRANTON, PA.** — **122 and 124 Washington Ave**
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** — **20-22-24 West Fifth Street**
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see pages 586, 587

All advertisers in this column are provided with Arnold's Florists' Telegraph Code No. 16.

The Dear Little Shamrock

Editor The Florists' Exchange:

I enclose sample of tag we used upon a large number of Shamrocks we presented to the office force and employees of our Traction Co. We also did likewise to the Railway Co. It proved to be one of the most fetching and best advertising schemes we have yet tried. The effect was almost electrical upon the communities touched by the various lines. The daily papers took it up and gave notices of our Shamrock trade.

Shiremanstown, Pa. JOHN F. RUPP.

The tag reads as follows:

MARCH 17, 1910
THE DEAR LITTLE, SWEET LITTLE
SHAMROCK OF IRELAND
THE INDIAN WITH HIS PIPE OF PEACE
IS PASSING FAST AWAY, BUT
"PADDIE" WITH HIS PIECE OF PIPE
WILL BE WITH US MANY A DAY

Some day, not far off, either, all Retail florists will appreciate the advantages of this Department. But why wait? Break the ice now, on what may interest you, and write us freely. Correspondents solicited. Good photos wanted.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 16 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—As head gardener on private estate, no small place. Single, American, 10 years' experience. G. Donovan, Sterlington, Buckland Co., N. Y.

SITUATION WANTED—By single working foreman, competent grower of Roses and Carnations; life experience. Best of references. Address "Florist," 203 East 19th st., New York City.

SITUATION WANTED—By expert gardener, many years' experience in England and America. Can fill any position. Very best of references. Capt. Bratherton, 326 West 34th St., New York.

SITUATION WANTED — By experienced grower of Roses, Carnations, Mums, Easter and Christmas stock. Good propagator; take charge; single; abstainer; state wages. Address, G. D., care The Florists' Exchange.

SITUATION WANTED—By life experienced man, grower of Roses, Carnations, Chrysanthemums and bedding plants; section of Roses preferred. Middle aged, single, sober; state wages. Address, F. G., care The Florists' Exchange.

SITUATION WANTED—By practical architect, landscape foreman, good designer, also works by plan; only where a good headman necessary. Address, R. T., care M. Witmann, 411 Greenwood ave., Brooklyn, N. Y.

SITUATION WANTED—On private place as working foreman, by married man, no family, best references from present and past employers; 17 years' experience; 4 years in present position. Address, G. C., care The Florists' Exchange.

SITUATION WANTED—By practical man as head gardener, experienced in flower and kitchen garden, shrubs, lawns, trees and greenhouse work. English, age 27, married, one child. References. Address, R. E. H., 528, 18th ave., Astoria, L. I., N. Y.

SITUATION WANTED—By a nurseryman who can invest 25 years of practical experience on two continents, with exceptional ability in all branches of landscape gardening; engaged at the present time. Best of references. Address, G. E., care The Florists' Exchange.

SITUATION WANTED—On commercial or private place by a practical man of long experience. Competent to take charge; sober, steady and good worker, can furnish good references; four years on last place. Good propagator and grower of shrubs and other plants; Austrian, single, 36 years. Address, F. N., care of A. J. Manda, 255 Vanderbilt Ave., Brooklyn, N. Y.

HELP WANTED

WANTED—Capable planter and landscape construction man. Must know nursery stock. No boozer. Address, Box 97, Jersey City, N. J.

WANTED—A young man with some nursery experience to assist in Herbaceous Department. State wages wanted. Chas. R. Fish & Co., Worcester, Mass.

WANTED—A good night fireman, willing to work at anything in connection with the business. Steady position. State wages. P. M. Olm, Bath, Me.

WANTED AT ONCE—Assistant in greenhouse; must be good worker and reliable; good wages. Geo. Laird, 3014 Fulton st., Brooklyn, N. Y.

WANTED—Assistant in commercial place, growing general line bedding stock and Carnations. State wages. J. W. Adams & Co., Springfield, Mass.

WANTED—Assistant in Rose and Carnation houses; one capable of taking charge when necessary. Apply with copy of references and wages desired to G. B., care The Florists' Exchange.

HELP WANTED

WANTED—A young man with some experience in pruning and general outside work and to assist in greenhouses; steady position. Apply to The Rosemore Nursery Co., Litchfield, Conn.

WANTED—Assistant in greenhouse, single, on private place. Wages $30.00 per month and board. Call with references on Head Gardener, Sanford Hall, Flushing, L. I., N. Y.

WANTED—A young man as assistant in greenhouses, on private place; wages $30.00 per month, with board and room. Must have experience and good reference. Address, F. B., care The Florists' Exchange.

WANTED—Several men handy at potting and general greenhouse work. Wages $10.00 per week. J. Condon, Branch 3, Gravesend ave., near Ft. Hamilton ave., Brooklyn, N. Y.

WANTED—An experienced storeman, designer and maker-up, for a prominent retail store in the metropolis of New York. State wages. Address, with references, D. L., care The Florists' Exchange.

WANTED—An experienced nurseryman for propagating shrubs, herbaceous and bedding plants. State references, age, and wages wanted. Address, Rhode Island Nurseries, Newport, R. I.

WANTED AT ONCE—Man as assistant Rose grower under foreman; one having experience with American Beauty preferred. Wages, $35.00 month, room and board. Address with full particulars, F. H., care The Florists' Exchange.

WANTED—Energetic, sober, young florist of general experience, to handle retail place of 15,000 feet of glass; plants and flowers of first quality only required. Must be sober and willing and come well recommended. C. L. Dole, Lockport, N. Y.

SEEDSMAN WANTED

One to put up orders and wait upon counter trade, in a New York City seed house. Apply G. F., care The Florists' Exchange.

WANTED—IMMEDIATELY AS ASSISTANT, an experienced nurseryman, well acquainted with the propagation of ornamental nursery stock. Must be single. State age. Wages wanted and give references. Shatemuc Nurseries, Barrytown, Dutchess, Co. N. Y.

WANTED—A young man, 18, as greenhouse assistant on first-class private place; must know a little about inside work; I don't want the one that knows it all. Board on the place. French preferred. Steady place to the right party. State wages. O. J., Box 208, Elberon, N. J.

WANTED—Young man, 20 years old, German preferred, for greenhouse work on private place; must be thoroughly experienced in growing Roses, Carnations, Chrysanthemums and assist outside. Good position and good wages for a willing young man. Address, F. D., care The Florists' Exchange.

WANTED—A landscape gardening foreman must be sober, capable of handling men to advantage and know how to excavate, make lawns, sod, make drives and paths, pave and seed; must be able to work himself when necessary. Steady work for the right man. August Molitor, Chatham, Morris Co., N. J., Box 137.

WANTED, A WORKING PRACTICAL GARDENER, bright, active, energetic, rigidly temperate, familiar with steam heated greenhouses, flower garden and decorating work. A married man, English speaking. Wages to begin $75, excellent house, fuel and light. Apply, giving full particulars and references, to Supt., Allegheny Cemetery, Pittsburgh, Pa.

WANTED—Three or four Seedsmen for counter work, at once. Apply in person to J. M. THORBURN & CO., 33 Barclay Street, New York.

WANTED—Competent vegetable grower on large private place; either married or single; good wages and a permanent position for a good man. Apply to WILLIAM PLUMB, SOUTH NATICK, MASS.

WANTED—Seedsman for the counter and order work, a good and steady position for the right man. W. W. RAWSON & CO., Boston, Mass.

Prices Advertised in these Columns are for THE TRADE ONLY

STOCK FOR SALE

BULBS

GLADIOLUS—Special prices on Silver Trophy, Sec. 2 and Groff's mixtures. Write for quotations. A. W. Gardiner, Box 676, Springfield, Mass.

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices George Peters & Sons, Hempstead, N. Y.

STOCK FOR SALE—Gladiolus Alice Carey, the best white in cultivation, No. 1, $5.00 per 100; $40.00 per 1000. America, No. 1, $4.00 per 100; $30.00 per 1000. Price list free. E. Y. Teas, Centerville, Ind.

STOCK FOR SALE—Dahlia Roots, undivided field-grown clump, White Swan, Pearl d'Or, Kreimhilde, Nymphia, Lyndhurst and Catherine Duer. Send for special price list. Wood & Healey, Hammonton, N. J.

DAHLIA BULBS for the trade at $3.50 per 100; $30.00 per 1000. Not over two bulbs of a kind in a hundred lot; all copper wire labelled with printed name and color; just what you need to sell again. C. Peirce, Dighton, Mass.

GLADIOLI—Brenchleyensis and Buchanan make effective decorations. Bulbs of same for sale, first size, $9.00 and $25.00 per 1000, respectively. My soil, climate and method are well adapted to the production of mature sound stock. John H. Umpleby, Lake View, N. Y.

CARNATIONS

CARNATIONS—Apple Blossom and Wanoka; strong rooted cuttings. Delivery, January 1. Wanoka Greenhouses, Barneveld, N. Y.

STOCK FOR SALE—Well rooted Carnation cuttings as good as the best. Send for prices. George A. Relyea, Poughkeepsie, N. Y.

ROOTED CARNATION CUTTINGS for sale. Queen and Harry Fenn, $10.00 per 1000; Enchantress, $20.00 per 1000. 250 at 1000 rate. Cash. John L. Lundsted, Passaic, N. J.

CARNATION CUTTINGS.

Strong, clean and well rooted.

STANDARD VARIETIES

	Per 100	1000
Enchantress	$3.00	$25.00
Winsor	3.00	25.00
Winona	3.00	25.00
Afterglow	3.00	25.00
Melody	3.00	25.00
White Perfection	3.00	25.00
Queen Louise	2.50	20.00
Beacon	3.00	25.00
Variegated Lawson	3.00	25.00
Mrs. Hutchison	3.00	25.00
Boston Market	2.50	20.00
Flora Hill	2.50	20.00
Dorothy	2.50	20.00
Elbon	2.50	20.00
Liberty	2.50	20.00
Climax	2.50	20.00
White Beauty	2.50	20.00
Yellow Beauty	2.50	20.00
NEW VARIETIES		
Alma Ward	15.00	120.00
Mrs. C. W. Ward	12.00	100.00
Sangamo	12.00	100.00
Dorothy Gordon	10.00	75.00
Apple Blossom	6.00	50.00
May Day	6.00	50.00
Georgia	6.00	50.00

S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia, Pa.

CHRYSANTHEMUMS

CHRYSANTHEMUMS—October Frost, Estelle, Monrovia, Golden Glow, Halliday, Yellow Bonnaffon, Enguehard. Cash please. George A. Realyea, Poughkeepsie, N. Y.

GLORIA, a large early Enchantress Pink 'Mum; Pres. Taft, a huge glittering White Midseason, both have stems and foliage unsurpassed; R. C. prepaid, $1.00 per 25, $3.75 per 100. Gloria, 2¼ in., $5.00 per 100. Chas. Frost, Kenilworth, N. J.

GERANIUMS

GERANIUMS—Rooted Cuttings, Nutt and Grant, $1.25 per 100; $10.00 per 1000. Cash.
W. C. MYERS & SONS, SCOTTDALE, PA.

STOCK FOR SALE—Geraniums S. A. Nutt and Double Lobelia, 2-in., $2.00 per 100, Rooted Cuttings, Double Lobelia, Salvia, Zurich, German Ivy Ageratums, Gurney and Cuphea, 75c. per 100. Cash with order. F. A. Ezold, Haddam, Conn.

3600 GERANIUMS FOR $100.00.

All 3-in. fine cold grown.

1500 S. A. Nutt
350 Castellane
400 La Favorite
700 Ricard
600 Poitevine
50 Mixed.

All true to name.

Salvia Bonfire from flats transplanted good, $1.00 per 100. 50,000 Smilax, 2¼-in., for June delivery, $12.50 per 1000. Cash with order.

P. J. SCHROEDER,
CHAPIN GREENHOUSES,
PINE BROOK, N. J.

(Continued to next column)

STOCK FOR SALE

GERANIUMS—Continued

ROSE GERANIUMS, 2½-in., $2.50 per 100. Lemon Verbena, Vinca Var., Stevia and Feverfew, rooted cuttings, 75c. per 100, prepaid. Pansy plants from Fall sown seed, 50c. per 100 prepaid; $3.00 per 1000, express. Chas. Frost, Kenilworth, N. J.

NURSERY STOCK

HYDRANGEA OTAKSA—Very strong rooted cuttings, $2.00 per 100; cash; by express. F. J. Langenbach, Florist, Norwich, Conn.

CLEMATIS PANICULATA, splendid stock and plants, $1.00 per doz., $5.00 per 100, $50.00 per 1000. Large flowering, purple, red, white and blue, $2.00 per 10. F. A. Haller, Bloomington, Ill.

STOCK FOR SALE—Ivy, English, pot grown plants, 4-in. pots, 3 ft. long, 3 to 6 branches, $12.00 and $16.00 per 100. A. L. Miller, Jamaica ave., opp. Schenck ave., Brooklyn, N. Y.

STOCK FOR SALE—Hydrangea arborescens grandiflora alba. We have the largest stock of strong, 2-year plants in America. Plants, 2 to 3 ft., $2.50 per doz., $16.00 per 100, $140.00 per 1000; good plants, 16 to 20 inches, $10.00 per 100. Price list. E. Y. Teas, Centerville, Ind.

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA

The true large flowering forcing variety, warranted true 2¼-inch pots at $3.00 per hundred, one year field grown strong 12 to 18 inches, $6.00 per hundred, $55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

CALIFORNIA PRIVET

2 YEAR STOCK, CUT BACK LAST YEAR.

2 to 3 ft., 5 to 7 branches, $2.00 per 100, $15.00 per 1000; 18 to 24 in., 4 to 6 branches, $1.50 per 100, $12.00 per 1000; 12 to 18 in., 3 to 4 branches, $1.25 per 100, $10.00 per 1000. 2 year old, cut back and rooted once, 18 to 24 in., $1.50 per 100, $10.00 per 1000; 12 to 18 in., $1.25 per 100, $8.00 per 1000.

PALMETTO AND GIANT ARGENTEUIL

ASPARAGUS tied in 25's, 3 years' extra strong, $5.00 per 1000; 2 year, No. 1, much larger than you have been getting, at $3.50 per 1000. No charge is made for packing, can ship at once.
Jos. H. Black, Son & Co., Hightstown, N. J.

ROSES

STOCK FOR SALE—50 Dorothy Perkins, fine 4 year old plants, 6 to 12 stems up to 12 ft. length. Grown on strong clay, $9.00 per doz. Will contract to field grown Roses, Carnations, Violets, etc. W. B. Cleves, Binghampton, N. Y.

ROSE STOCK.

5000 White Killarney, 2½-in. pots now ready at $8.00 per hundred, $75.00 per 1000. Richmond, Brides, Maids, Chatenay, Golden Gate, Killarney and other standard kinds, $40.00 per 1000. Charles H. Totty, Madison, N. J.

MISCELLANEOUS

FOR SALE—15,000 rooted cuttings of healthy, strong, Princess of Wales Violets, $1.00 per 100. Frederick Southworth, 23 to 39 Budson st., Lynn, Mass.

Berberis Thunbergii Seed, 75c. per lb.
Ligustrum Ibota Seed, 50c. per lb.
Ampelopsis Veitchii Seed, $1.00 per lb.
F. N. Hadden, 145 Pond st., Providence, R. I.

MYRTLE: Myrtle (Vinca Minor) large stock of fine field grown plants. $10.00 to $50.00 per 1000. Samples free. Other hardy plants the cheapest and best. Send for list. S. J. Galloway, Eaton, Ohio.

REX FLOWERING BEGONIAS—3 to 4 in., $6.00 to $8.00 per 100. Will exchange for best Carnations. Our Begonia customers mostly come back. Herms Floral Company, Portsmouth, O.

STOCKS—Seedlings transplanted four weeks, Queen Alexandra, Beauty of Nice and Blanch Superb, will bloom early for Memorial Day, $1.00 per 100. Cash. S. B. Hoyt, New Canaan, Conn.

ASPARAGUS PLUMOSA PLANTS

2¼-inch ..... $3.00 per 100
4-inch ..... 6.00 per 100

S. S. PENNOCK-MEEHAN CO.,
1608-1620 Ludlow st., Philadelphia, Pa.

VINCA MINOR, the hardy Vinca for cemetery planting and under trees where grass will not grow. Well rooted layers, $1.50 per 100, $10.00 per 1000. E. Y. Teas, Centerville, Ind.

BEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2¼-in. pots, $12.00 per 100, $110.00 per 1000. Bay and Box Trees, in all sizes, pyramid and standards. Write for list. Orchids, largest stock in the country. Ask for prices. Julius Roehrs Company, Rutherford, N. J.

EASTER PLANTS.

Primula obconica, 4 and 6 in. pots, well flowered, splendid large flowering assortment; strong, well furnished plants, $2.50 to $6.00 per doz.; $15.00 to $40.00 per 100. Acorns, geraniums, $3.00 per 100. Flower and shrubs in season. Henry Rudolph, Essex Fells, N. J. Tel. 6, Caldwell, N. J.

FOR SALE OR RENT

FOR SALE—4 greenhouses, ¾ acre of land, stocked Carnations, Callas, Dahlias, Roses, Camellias and Chrysanthemums, etc. Good retail trade. Geo. T. Lark, 982 19th st., College Point, N. Y.

FOR SALE—In East Williamsburg, L. I., 2 family dwelling with stable and 4 greenhouses with 6000 sq. ft. of glass; 5 lots, 26x100 ft., and piece of land to hire in rear of property. Place in good condition; convenient to all cars and trains. Estate of Andrew Groll deceased. Inquire of Jacob Amann, Florist, 1702 Metropolitan Ave., Middle Village, L. I., at Lutheran Cemetery.

AN UNUSUAL OPPORTUNITY FOR A LIVE FLORIST

The subscriber offers for sale his fully equipped Florist Store and Business, very finely situated in the theatre district of a thriving city in the State of New York; a city with a population of over 75,000. My trade is thoroughly established and the best in the city. This business will net a live man from $50.00 to $100.00 per week. I will sell most reasonably, as I have other business needing my whole time. My store is in every way up-to-date and fully equipped, containing two very large ice boxes, safe and cash register (cash register cost $532.00). The windows are tiled, and everything is finished in white. A good live party can easily get back the price I am asking for this business in a very short time. This is not a run-down place. Address, F. A., care The Florists' Exchange.

SUNDRIES FOR SALE

SPHAGNUM MOSS, BEST QUALITY, 10 bales $7.00. Write for special prices on car-lots. L. Amundson & Son, City Points, Wis.

FOR SALE—Ericcson Hot Air Pumping Engine; good as new; price low. Frank W. Patch, Woodside Cottages, Framingham, Mass.

FOR SALE—Best brands greenhouse glass, all sizes at special low prices. Small or large lots. C. S. Weber & Co., 10 Desbrosses st., New York City.

FOR SALE—Three Standard make typewriters; will sell very cheap. All in perfect running order; will box for shipment. "Typewriters," care The Florists' Exchange.

TOBACCO DUST AND STEMS. Dust in cases, 250 lbs., 3c. per lb.; stems in bales, 200 to 250 lbs., $1.50. Cash with order. Money back if you say so. S. R. Levy, Binghamton, N. Y.

FOR SALE—To be taken down, 2 Greenhouses; 3200 feet 4 in. pipe; 185 boxes of glass, 10x14 in., double thick; Chamber & McKeese iron columns; Hitchings' ventilators; in good order. James Monahan, 22 Belmont Ave., Madison, N. J.

FOR SALE—No. 5 Kroeschell hot water boiler, will heat 12,000 ft. of glass. Boiler 4 years old and good as new. 1 Furman hot water boiler No. 8, in good condition. Come and see them working. L. Cousins, J., Concord Junction, Mass.

FOR SALE—600 boxes 12x20 and 12x16 double thick glass; lot hotbed sash, 16,000 feet of 1-in., 6000 feet of 2-in. and 1½-in., 4000 feet 4-in. Hitchings pipe; 1400 feet ventilating apparatus; 2 Erie locomotive boilers, one No. 6 Lord & Burnham and one No. 17 Hitchings, 2 years old; everything in first-class condition; 10 greenhouses, 20 x 110; complete or in single lots, very cheap. Inspect S. C. Nash Roseries, Clifton, N. J., or inquire Suessermann, 229 Livingston Street, Newark, N. J.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED TO BUY—1000 Bench Roses American Beauty, Pink Killarney, Richmond, Kaiserin A. V. or Dormant plants; state lowest price. Address, F. H., 248 West 73rd st., New York City.

WANTED AT ONCE

10,000 unrooted cuttings of White Perfection, 10,000 unrooted cuttings of Pure White Enchantress, 10,000 unrooted cuttings of Enchantress. WHITE BROS., Gasport, N. Y.

WANTED—Fifty Oriental Plane Trees, 14 to 16 ft. high, 3 in. diameter, branched at least 6 ft. from ground and 7 to 9 ft. spread. Send prices F. O. B., N Y. City. Address G. A., c/o Florists' Exchange.

FOR SALE

RADIATORS Steam, 1½c. per lb.; hot water, 2c. per lb. Guaranteed. All sizes in stock.

BOILERS The following new, round, portable hot-water boilers—guaranteed, 16-in., rated to heat 1,125 sq. ft. of glass, $34.00. 19-in., rated to heat 1,600 sq. ft. of glass, $48.00. 22-in., rated to heat 2,250 sq. ft. of glass, $64.00. 26-in., rated to heat 3,075 sq. ft. of glass, $90.00. Get our prices on second-hand boilers. We have one of the largest stocks of new and second-hand round and sectional hot-water and steam boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 3½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Car load extra heavy iron 2-in. pipe, 20 ft. lengths, weighing 100 lbs., at 6½c. per ft., including threads and couplings, in 1000 ft. lots. Pipe cut to sketch.

PIPE TOOLS Large Stock—All Makes and Sizes—Send for special prices.

STILLSON WRENCHES New, guar. 18 in., capacity 3 in., $1.20. 24 in., capacity 3½-in., $1.80. Flat chain wrenches, No. 8, capacity ¾ to 6 in., $3.86.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 5 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 160 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 86c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.66. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $22.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y

Please mention the Exchange when writing.

DRACAENA Indivisa 4-in., $10.00 per 100.
CANNAS, Pennsylvania, $1.50; A. Bouvier, $1.50; Austria, $1.25; Italia, $1.75; B. Beauty, $2.50; Egandale, $1.50; Marlborough, $2.00; America, $1.25; D. Harum, $2.00 per 100.
HYDRANGEA Paniculata grandiflora, 2 to 3 ft., $10.00; 18 in. to 24 in., $6.00 per 100.
PRIMULA Obconica, 2-in., $1.50 per 100; 3-in., $4.00 per 100; 4-in., $6.00 per 100.
GERANIUM, Ricard, 2-in., $2.00 per 100.
FICUS Elastica, 5-in., $30.00 per 100.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100. Plumosus, 2-in., $2.00 per 100.
ENGLISH IVY, R. C., 75c. per 100; var. R. C., 75c. per 100.
ENGLISH IVY, 2 in., $2.00 per 100.
FERNS, Scottii, 2½-in., $5.00 per 100; 3-in., $10.00 per 100; 4-in., $15.00 per 100; 5-in., $30.00 per 100; 6-in., $35.00 per 100.
FERNS, Boston, 3-in., $5.00 per 100; 4-in., $16.00 per 100.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange

Dracaena Indivisa

In order to make room, very low prices on exceptionally nice plants. **Heavy, perfect specimens,** from 6-7-8-inch pots. An opportunity whether in need of a few or many.

JOHN M. COOKE, White Plains Road TARRYTOWN, N. Y.
Glenville Nurseries

Please mention the Exchange when writing.

Firms Who are Building

MOLINE, ILL.—Julius Staack will build two 400 ft. greenhouses this Spring.

LANSING, MICH.—Mrs. S. J. Woodbury will make additions to her greenhouse plant shortly.

OTTUMWA, IA.—C. Kranz is about to build a new greenhouse plant consisting of four 300 ft. houses.

LEWISTON, ME.—Ernst Saunders will erect another greenhouse, 200 ft. long, on Main st., this Spring.

VINCENNES, IND.—Paul Schultz is to build an addition, 130x26 ft., to his greenhouses at First and Shelby sts.

EUGENE, ORE.—H. A. Newton is erecting two large greenhouses on South Willamette st., and also a Violet house.

KLAMATH FALLS, ORE.—Brittan & Krause are to erect a greenhouse plant on the Enterprise tract adjoining the Mills Addition, utilizing natural hot water from the springs on the Mills Addition.

LAFAYETTE, IND.—The board of trustees of the Indiana State Soldiers' Home will receive bids, up to April 7, for the construction of a greenhouse. Address all bids to A. C. McCorkle, president, board of trustees, Soldiers' Home, Lafayette, Ind.

Fires

KNOXVILLE, TENN.—The warehouse of the Knoxville Nursery Co. was destroyed by fire March 8.

COLUMBUS, O.—The greenhouse at the east entrance of Green Lawn Cemetery was slightly damaged by fire on March 14.

WASHINGTON, D. C.—Fire on March 14 destroyed the heating plant and burned away the ends of three greenhouses at the establishment of Michael J. McCabe, Walker road. The loss is estimated at between $2000 and $3000, with no insurance. A quantity of Easter stock was destroyed.

Greenhouses in Limited Space

Give number of feet greenhouses can be built apart, which every foot counts, without shading each other, houses 20 ft. wide, 5 feet to plate, 9 to ridge, from ground to ridge 9 feet, even span, 32 degrees running east to west.—H. S., Penna.

—The houses you describe would have a very flat pitch and if the sides are to be boarded solid there would of course, be no advantage in having them farther apart than would permit of the sun striking the plate. If however, there is the usual two ft. of glass on the sides, the houses would have to be farther apart, as the shade line would then be taken at the bottom of the glass. In the event of the sides being solid, if the houses be three ft. apart it would be sufficient to prevent the shade from the ridge. In the event of there being glass on the sides the houses should be six ft. apart.

U. G. SCOLLAY.

40,000 Vinca Variegata

R. C. 90c. per 100, $8.00 per 1000.

PETUNIA DOUBLE 10 kinds, 2 in., 2c.

Snapdragon, White and Scarlet, 2-in., $2.00 per 100.

Smilax, 2-in., $1.25 per 100.

Abutilons, 3 kinds, 2-in., 2½c.

Cuphea, 2-in., 1½c.

Geraniums, Grant, etc., 2-in., $2.00 per 100.

Ageratum, 3 kinds, 2-in., $1.50 per 100.

Heliotrope, 2-in., 1½c.; Salvia Bonfire, 2-in., 2c.; Rose Geranium, 2-in., 2c.; Salleroi, 2-in., 2½c.; Vinca var., 2-in., 2c.; Feverfew, Double White, small plants, 75c.; $6.00 per 1000.

Rooted Cuttings, prepaid per 100. Heliotrope, $1.00; Fuchsia, 8 kinds, $1.00; Paris Daisy, yellow, white, $1.00; Cuphea, 75c. Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, Roseo, P. Major, Aurea nana, Fall struck cuttings, 50c. per 100, $4.50 per 1000; Ageratum, 3 kinds, 60c.; Swainsona alba, $1.00; Dbl. Petunias, 10 kinds, $1.00.

Salvia, 90c. Cash with order.

BYER BROS., Chambersburg, Pa.

Earliest of All Asters **WONDER** Most Profitable of All

White and Pink, very large, fluffy, June, July, 80c. per ½ oz. Ostrich Feather, 4 colors mixed, August, 40c. per ½ oz. Late Branching, 6 colors, mixed, 25c. per ½ oz. Lower in quantity. All the Asters have long stems, and all the seed is of my own saving from best plants, 1909.

DANIEL K. HERR, Lancaster, Pa.

We Pay The Freight on cut-flower and design boxes. See our price list on page 586, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.
Box 200 • • • Castorland, N.Y.

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Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

PLANTS AND ROOTED CUTTINGS

Fine, Clean, Strong, Well-Rooted Stock

Rose Cuttings

	100	1000
Richmond	$2.00	$17.50
Chatenay	2.00	17.50
Bridesmaid	2.00	17.50
Bride	2.00	17.50
Uncle John	2.00	17.50
Ivory	2.00	17.50

Roses from 2½-inch Pots

	100	1000
Pink Killarney	$4.50	$40.00
My Maryland	6.00	50.00
Richmond	3.00	25.00
Chatenay	3.00	25.00
Bride	3.00	25.00
Bridesmaid	3.00	25.00
Uncle John	4.00	35.00
Ivory	4.00	35.00
Perle	4.00	35.00

Carnation Cuttings

	100	1000
Winsor	$2.00	$15.00
Rose Pink Enchantress	1.50	12.50
Lawson	1.50	12.50

PETER REINBERG, 35 Randolph Street, Chicago

Please mention the Exchange when writing.

Pine Tree Ribbons and Chiffons

eliminate worry over the Ribbon question. These fabrics are rich appearing, lustrous qualities, costing no more than ordinary Ribbons and Chiffons.

Our **MONARCH SATIN TAFFETA RIBBON** has no equal. If you do not know this quality, you want to write today for a sample and convince yourself that the one place to get good value for your money in Ribbons is

DIRECT FROM THE MANUFACTURER

Samples of the MONARCH, other Ribbons and Chiffons free

The Pine Tree Silk Mills

806-808-810 ARCH STREET
Philadelphia, Pa.

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Henry M. Robinson & Co., Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

Dagger and Fancy Ferns, $1.50 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

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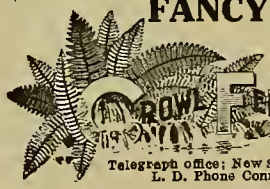

Telegraph office; New Salem, Mass.
L. D. Phone Connection

FANCY OR DAGGER FERNS, $1.25 per 1000.

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel.

Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods.

SMILAX, 50 lb. cases, $6.00.

PINE, 7c. per lb.

Partridge Berries, $2.00 per 1000 or 10c. per bunch of 50 sprays.—Order now. Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $12.00 to $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

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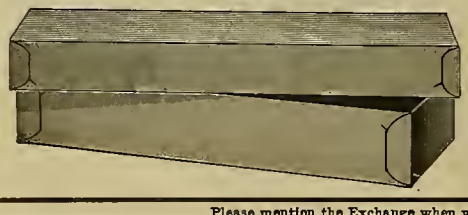
CUT FLOWER AND DESIGN BOXES



All Sizes, Lowest Price

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C. C. Pollworth Co.

MILWAUKEE

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

CLUBS and SOCIETIES

Yonkers (N. Y.) Hort. Society

A very interesting meeting of the Society was held in Guinzberg's Hall on March 16, with H. Scott in the chair, as Pres. Bennet was very much under the weather with an attack of grippe and malaria, also a light touch of pneumonia, but we are glad to say he is now improving. We trust to see him out again in a few days in his usual good health.

The prizes offered at our last meeting by Messrs. Waite and Woodrow for the most meritorious exhibit were very closely contested for and were won by the following: 1, R. Cochrane, String Beans; 2, H. Nichols, single Violets; 3, H. Scott, Roses. The judges were Peter Macdonald, Louis Melliot and Joseph Mooney.

As the room we have been using was found to be too small, we have procured a larger hall, and our next meeting will be held in Wiggins' Hall, on Friday, April 1.

Vice-president Cochrane read a very instructive paper on "Mushrooms and how to grow them," after which a very lively discussion took place. Secretary Waite explained how the spawn was procured, and J. Mooney told how he grew them all the year; Mr. Nichols exhibited some very fine mushrooms.

Mr. G. Stanton will read a paper on "Water Gardens and how to make them," at our next meeting. Mr. Cochrane and L. Melliot offered prizes for the most meritorious exhibit at that time.

An invitation was extended by Mr. Melliot to the members of the Society to visit his greenhouses on Sawmill River Road, March 18, and many took advantage of the offer and enjoyed a pleasant afternoon.

After looking over the superb stock in the houses we were invited to partake of refreshments and must say that Mr. Melliot is a pastmaster at the art of satisfying the inner man. Afterward cigars were passed around and a general discussion of Mr. Melliot's stock was indulged in. A hearty vote of thanks was then extended our host and the party broke up about five-thirty, promising to call again.

LEE WHITMAN, Cor. Sec.

Washington, D.C.

The balmy Spring weather with an abundance of sunshine seems to have come to stay and the warm days have advanced the Easter stock quite rapidly. Violets and Arbutus are appearing on the streets in profusion. Bulbous stock has moved pretty well during the last week and at several openings among the business houses baskets of flowers for decorating have been used, all of which has helped local trade.

What was called "car fare day" in Washington was celebrated during the week. The movement was in connection with the Junior Republic, to defray expenses at the home at Annapolis. On this occasion young ladies took prominent places in the large department stores and hotels with armfuls of pink Carnation, pinning one on all who passed for a toll of 5c. or more.

The Department of Agriculture has been meeting with great success rooting Crotons in cocoanut fiber. These and other tropical plants take kindly to this mode of culture and throw an abundance of good strong roots.

JAS. L. CARBERY.

Some Doubt

A customer, very much under a load of fire water, called on a local florist and ordered a design saying he wanted the best that could be made. After the bargain had been struck he offered an additional bonus providing the florist would inscribe on the design, "We shall meet by and by." The piece was to be made for his business partner who was noted for his good qualities and as a church member.

Firms Incorporated

SEDALIA, MO.—Articles of incorporation of Archias Floral Co. have been filed. The capital stock is $5,000. The shareholders, who also constitute the directors, are: L. H. Archias, M. T. Slane, H. J. Potomkin and L. A. Kipping, all of Sedalia. The company incorporated for the purpose of establishing a greenhouse and nursery, and to handle bulbs, plants, flowers and trees. The Company's plant will be on West Second st., north of Liberty Park, and will be in charge of Mr. Potomkin, who is a practical florist and orchardist.

NEW CANAAN, CONN.—W. E. Brush of Park ave. and H. J. Lewis of Stamford have formed a partnership as landscape gardeners.

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside
All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.25	28x8x4	$4.50
18x5x3	2.25	20x5x3½	3.75
24x6x3½	3.00	36x8x5	6.50
21x7x3½	3.25		

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
15x15x8	$8.00	26x14x10	$16.50
18x18x8	9.00	26x10x5	10.00
20x20x8	10.00	20x12x7	8.50
24x24x8	12.00	28x12x4	6.50
24x18x8, Pillow Box			12.00
20x16x8, Pillow Box			10.00

10% discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.
Box 205 CASTORLAND, N. Y.
New York Office, 20 East 42nd Street

Please mention the Exchange when writing.

Orders by Telegraph

For twenty-five cents, cash, we will forward you a handsomely printed card, worth framing, which you can hang in a conspicuous part of your store, to let your customers know you "fill orders for flowers, plants or floral designs to any point" by telegraph.

A copy of Arnold's Florist's Code, price $2.50, will give you a key for the cipher transmission of orders to any of the advertisers in our "Directory of Reliable Retail Houses." All for sale by

The Florists' Exchange
No. 2 Duane St., N. Y.

USE KRICK'S
Perfect Handles and Hangers

Just the thing for Easter.
When crowded for space will sustain the weight of 100 pounds.
Sample and prices on request.

CHAS. A. KRICK
1164-66 GREENE AVE., BROOKLYN, N. Y.

Please mention the Exchange when writing.

MICHIGAN CUTFLOWER EXCHANGE, Inc.

Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

Southern Wild Smilax

Now ready for shipment.
Write, wire, or 'phone the introducers.

CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA

Please mention the Exchange when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED
LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.
Please mention the Exchange when writing.

Retail Notes

WORCESTER, MASS.—Walter E. Draper of Rochdale is planning to open a florist store here.

SHENANDOAH, PA.—Miss Annie Hillan has opened a retail florist store at 33 West Oak st.

CLEVELAND, O.—The J. M. Gasser Co. has leased a store in the Ball building, on Euclid ave., opposite E. 12th st., and will move there in a few days.

PAINESVILLE, O.—Mrs. Clara Werner, mother of William C. and Charles J. Werner, florists, died on March 8, at the advanced age of 93.

An Anchor, Not a Pick

In one of my campaigns for the House of Representatives, an old Irishman, who had always been with me in all my fights, died. I went to a friend in the florist's business and instructed him to send the handsomest piece of flowers he could design. Next day one of my lieutenants came to me and whispered that one of my opponents was circulating a story that I had insulted the dead man's family by sending a piece of flowers made up to represent a pick. I hastened to the house of mourning. The widow refused to speak to me. Neighbors told me that my political rival had pointed out the floral insult to her. I hurried to the room where the corpse lay. It was one on me, all right. The florist had intended the design for an anchor, and it looked like an anchor to me. I explained to the satisfaction of everyone. But I have stopped sending anchor designs to funerals.

JOHN F. MEEHAN,
Mayor of Lowell.

W. J. Palmer and a Few of the Store Employees Visiting the Greenhouses of W. J. Palmer & Son at Lancaster, N. Y., on Sunday, March 13

THE third edition of our Design Book is now ready to be mailed out to purchasers. It has been thoroughly revised and greatly improved and is easily worth Ten Dollars a copy to anyone with a Retail Trade. Sixteen pages have been added, older designs eliminated and many new and beautiful suggestions incorporated.

THE FLORISTS' EXCHANGE DESIGN BOOK

Handsomely printed on enameled stock, and containing 80 pages, size 9x12 inches, with strong paper cover.

The work contains a reproduction of some 216 Designs, such as:

Bridal Bouquets
Broken Columns
Christmas Wreaths and Baskets
Easter Baskets and other Easter Designs
Casket Covers
Gates Ajar
Floral Chairs
Harps
Horseshoes
Lyres
Pillows
Easels
Panels
Anchors
Wreaths in great assortment
Standing Wreaths
Standing Crosses

Miscellaneous Designs in quantity, including Decorated Automobiles, Railway Designs, Flags, Ships and Steamers, Shields, Broken Wheels, &c., Emblems, Table, Mantel and Mirror Decorations and Christmas and Church Decorations.

Page 80 shows forms for Masonic, Fraternal and other Orders, for which wire designs are kept in stock by the supply houses.

TERMS OF SALE—The Florists' Exchange for two years and one copy Design Book, $2.50, delivery prepaid. This offer is open to new subscribers or to subscribers renewing. One copy of the Design Book to present subscribers for 75c., delivery prepaid. No copies obtainable except as above. Money refunded if book is not satisfactory to purchaser.

Only one copy can be supplied at the 75c. rate. Subscribers desiring more than the one copy can secure them at the rate of $1.00 each, postage prepaid.

Handsomely and durably bound, in stiff board covers, with 32 blank leaves for pasting in clippings of other designs, at One Dollar additional to above prices.

All prices include delivery prepaid.

Address: THE FLORISTS' EXCHANGE, P. O. Box 1697 NEW YORK CITY

Rhododendron Maximum
Hemlock Branches
for Cemetery Use
Always Fresh From the Forests

LOG MOSS in Large Sheets
Good Green Color—Well Dried
$1.60 PER BAG

ORDER NOW

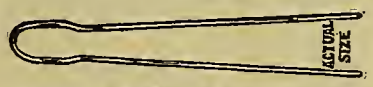
Alleghany Mountain Evergreen Company
FARMINGTON, PA.
Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK
We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work
Please mention the Exchange when writing.

WHOLESALE PRICE LIST

GALAX, FERNS AND LEUCOTHOE Per 1000
Direct from the woods to the dealer.
Galax: green and bronze $0.50
Ferns, dagger and fancy 1.00
Green Leucothoe sprays, regular lengths. 2.00
Green Leucothoe Sprays, 10 to 15-in. 1.00
Special prices on lots of 100,000 and up.
Terms, strictly cash, f. o. b. Elk Park, N. C.

NORTH CAROLINA EVERGREEN CO., Banners Elk, N. C.
Please mention the Exchange when writing.



TIME IS MONEY Save half the time greenin your designs by using Florist Greening Pins. 20c. per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c. per lb. Write for prices on larger qantities.

WM. J. SCHLATTER & SON, 422 Main Street SPRINGFIELD, MASS
Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY
962 Mill Street, KENDALLVILLE, IND.
Please mention the Exchange when writing.

WE MANUFACTURE
ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK
'Phone 4254 Madison Square
Please mention the Exchange when writing.

E. A. BEAVEN
EVERGREEN, ALA.
LOG MOSSES
Natural and perpetuated. Orders booked now for future delivery.
Please mention the Exchange when writing.

Please mention the Exchange when writing.
"Getsthere Soap Mfg. Co.
Conshohocken, Penna.
Please send us at once the enclosed order of your Getsthere Insecticide Soap. We find this a very satisfactory article for use on plants, and we recommend it highly.
ROBERT CRAIG & CO.,
Philadelphia, Pa.

GETSTHERE SOAP CO.
CONSHOHOCKEN, PA.
Please mention the Exchange when writing.

WIRED TOOTHPICKS
10,000, $1.75; 50,000, $7.50
Manufactured by
W. J. COWEE, Berlin, N. Y.
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The Rose and Its History

A lecture, illustrated by lantern slides, delivered before the convention of the American Rose Society, New York, March 17, 1910, by George V. Nash.

When the secretary of the American Rose Society invited me to give a lecture before the Society, it was with considerable hesitation that I consented to do so. I did not know what phase of the subject to take up, what subject I could present to a body whose chief aim and theme has been the study of the Rose and what pertained to it. I finally decided to take the title announced for today, as one which was sufficiently broad to enable me to touch upon points, perhaps, which were not commonly presented to you. With this idea in view, I decided to confine my remarks mainly to the botanical side of the subject, including the distribution of the genus Rosa and the historic evolution of the various types of garden Roses. The matters of culture I shall leave to those much better fitted than myself to speak upon them.

Rose Distribution

First then, as to the distribution of the Rose. We must not forget that the Rose flourished upon the earth many years ago—shall I surprise you by saying millions of years? For such is the truth, well defined remains having been found in the tertiary age which, though geologically speaking is very recent, from the point of view of every day life must be considered very antiquated indeed. The rocks tell their tales, and the story of the Rose and its history begin there.

It is a long step from those fossil remains to which we have just been alluding, but we must cross the chasm and take up the distribution of our favorite flower as it is known at the present time, in the living world. We of the north temperate zone can claim this delightful flower for our own, for it is not known outside of that area. Confined between the 20th and 70th degrees of north latitude, it is our flower. But in this belt it is widely distributed the world around. Starting with Asia, where one-half of the known species are native, it extends through Europe and northern Africa, to the central and northern parts of North America. From Asia we have such well-known species as Rosa moschata, the Musk Rose, which is also found in northern Africa and Persia; Rosa bracteata, the Macartney Rose, native of China, Formosa, and northern India; Rosa multiflora, found wild from China and Japan to Formosa and the Philippines; Rosa rugosa, the Ramanas Rose; Rosa macrophylla; Rosa lutea, the parent of the Austrian Briers, extending from western Asia to Italy and Austria; Rosa Wichuraiana, from China and Japan; and Rosa Banksia, a native of China. In Europe there are such favorite forms as Rosa spinosissima, the Burnett or single Scotch Rose; Rosa rubiginosa, the Sweet Brier; Rosa canina, the Dog Rose; and Rosa arvensis. In North America there are, among others, Rosa Carolina, our charming Swamp Rose; Rosa blanda; Rosa setigera, the Prairie Rose, the parent of some of our recent productions.

The genus Rosa is variously estimated as containing from 30 to 250 species, depending upon whether the botanists take a conservative, a moderate or a radical view of the species question. When one considers the case and readiness with which the various species cross with each other, as demonstrated in the evolution of the garden Rose, perhaps an explanation may be found for the larger number of species referred to. Probably about 125 species would be a fair estimate, with one-half the number in Asia, two-fifths of the remainder in Europe and northern Africa, and the remainder in North America.

The Rose in Literature

Finding the Rose as widely distributed as we do in all north temperate lands, we should expect to find it in the literature of all the countries in that zone. And such is the case, for the Rose has been the subject of song and story from the days long before the Christian era down to the present time. In each language it has a word of its own, which arouses, perhaps, in the breasts of each people the same tender recollections and happy memories that the word "Rose" does in our own. In a great many of these the resemblance is very striking; for instance, in Greek it is Rhodon; in Celtic Rhos; in Latin, Italian, Spanish, Portuguese, Hungarian and Polish it is Rosa; in French, Saxon and English, Rose; in German, Rose, spelled the same way but pronounced differently; in Dutch, Roose; in Slavonic, Rhosha; in Russian, Ros; in Bohemia, Ruoze; in Arabic, Ouasrath; in Turkish, Nisrin; in Hebrew, Chabhatzeleth; and in Persian, Gul.

Let us now turn to the history of the Rose. How old is the Rose? It is of great antiquity. There is reason to believe that it flourished in the famous gardens of Babylon, which existed about 1200 years B. C. It was certainly cultivated by the Jews during the reign of Solomon, about 950 B. C. Homer, the great poet of ancient days, whose period was about 850 B. C., paid homage to the Rose in the Iliad and Odyssey. Herodotus, who lived about 400 B. C., says that in the gardens in Macedonia there was a Rose which flourished without culture, which had sixty petals and which emitted a most delightful perfume.

In those olden times a mystical origin was ascribed to most things, and to this the Rose was no exception. The creation of the Rose was credited to the goddess Flora. The fable goes on to say that Flora, finding one day the dead body of one of her favorite nymphs, whose beauty was only equaled by her virtue, implored all the Olympian deities to aid her in transforming this nymph into a flower. The gods granted her request. Apollo is said to have given the vivifying power of his rays; Bacchus contributed the nectar; Vertumnus added the perfume; Pomona supplied the fruit; and Flora herself crowned all with a diadem of flowers. Thus, according to the tradition, was the Rose created. The poetic instinct was keenly alive in those olden days, and we find the people appreciative of the beautiful and blended colors of the Rose, expressing this appreciation in the consecration of this flower to Aurora, the goddess of the Dawn. They also consecrated it to Harpocrates, the patron of silence, and so with them the Rose was symbolic of silence. Thus arose the expression, "sub rosa," meaning under the Rose, indicating that all should be kept secret or silent; and this expression persists to the present day.

Basket of Mixed Plants, Tied with Yellow Ribbon, Including Anny (Ænnchen) Muller, Palm, Pussy Willow, Deutzias and Azaleas

The Rose was greatly prized in the days of Rome, being used in enormous quantities for decorative purposes, and it was freely employed on all festive occasions. To the rich and great the term, "a bed of Roses," was a reality, for their couches were frequently covered with a mantle of Rose petals. It is also related that the tyrant Nero, in one of his feasts, expended about $100,000 on Roses alone. Even in these days of advanced Rose culture, with ample facilities for their production, the market would be put to the test to supply such a demand. I presume there are men, however, in the country, who would like to take such a contract.

Ancient Rome, too, had its 400, and these insisted upon having Roses out of season. The gardeners of those days complied with the demand and furnished them. They too had their greenhouses, it is said, warmed by means of pipes filled with hot water, by which means they succeeded in keeping the Roses in bloom until the end of the year. So Roses under glass, you see, are by no means a modern innovation.

Passing from these early days of the Rose to the middle ages, we find Chaucer, who wrote in the early part of the 13th century, referring to the Rose. In the beginning of the 15th century our flower is said to have been cultivated for commercial purposes. Roses in those days were apparently scarce and only for the rich, for small quantities of them were considered of sufficient value to offset rent of house and land. Would that we could pay our rent in these days with a few Roses.

In 1452, as you all know, the Rose became emblematic of war and bloodshed, losing for the time its significance of peace. It was perhaps the thorns and not the flowers that were the real emblems of the war. It was in this year that the rival factions of the white and the red Rose sprang up in England, the former the emblem of the house of York, while the red Rose stood for the house of Lancaster. You all know of the furious wars which followed, and how Henry VII, in 1846, re-united the two houses by marrying Elizabeth, the heiress of the house of York.

Shakespeare's appreciation of the Rose was evident in his numerous references to it in his works.

The Uplift of the Rose

It was not, however, until the early part of the 19th century that Rose culture, as we now know it, existed. From that time on the Rose has been pre-eminent. Certain wild forms were, of course, first introduced, and these, perhaps at first by accidental crossings, resulted in hybrids. Man soon took the cue thus accidentally shown and began to experiment for himself, first crossing the natural species at his hand, then hybrids with species, and later hybrids with hybrids, and the progeny thus produced again crossed with species. You can well understand that soon all traces and resemblances to the original forms were lost. This crossing and recrossing have caused such confusion that it is all but impossible to classify garden Roses. Take any book you will and look up the subject of classification, and you will find no two of them agreeing; forms which in one book are referred to one class, in another are referred to quite different groups. In what follows I shall call to your attention some of the more prominent types which have existed in the history of the development of the Rose, not designing by any means to include all of them, taking up first the native or wild species, and later considering the commoner types of the garden Roses.

Some Prominent Types of Roses

The first of these we will consider is Rosa arvensis, a native of Europe. This is one of the parents of the Ayrshire strain and of the Dundee Rambler. It is one of the most common Roses of Great Britain. Belonging to the same type is the Musk Rose, Rosa moschata, which is found wild in northern Africa, Persia, and Madeira. This is said to be one of the species from which the Attar of Roses is obtained. It is also stated that the original Noisette was an accidental cross between this and Rosa indica.

Rosa multiflora, the Blackberry Rose, so called from the great resemblance of its clusters of flowers to those of the Blackberry, is another of this type. It is a native of China, Japan, Corea, etc. It is one of the parents of several Summer-flowering hybrids, as Crimson Rambler. Crossed with Rosa indica, it has produced the class of perpetual flowering dwarf miniature Roses known as Polyantha. Rosa sempervirens is known as the evergreen Rose, not because it is strictly evergreen, but because it holds its leaves longer than most Roses do. It is a native of middle Europe, Greece, and the Balearic Islands. It is not as hardy in this latitude as some of its relatives. Rosa Wichuraiana is a native of China and Japan. It was introduced into cultivation about 1887. It is especially useful for covering masses of rocks, and is perfectly hardy. One must not forget Jersey Beauty when thinking of this Rose. Rosa Banksia, a native of southern China, was named in honor of Lady Banks. Unfortunately, this requires the protection of a greenhouse in northern latitudes. There is a yellow and a white form.

Passing to the Canina group, we have Rosa canina itself, the Dog Rose, a native of Europe and temperate Asia. It is sometimes found growing as an introduction in the eastern parts of the United States. Rosa rubiginosa is another species of this same group, a native of Europe. This is familiar to you all as the Sweet-Brier, receiving this name from the pleasant odor exhaled by the foliage, especially when crushed.

Among the Cinnamon group we have Rosa cinnamomea itself, the Cinnamon Rose, found wild in Europe and Asia. Rosa blanda, at home in the eastern United States, is one of our charming little Roses; and Rosa humilis, of the same region, is especially happy growing among rocks. Rosa rugosa, of Asia, is a sturdy representative, and one perhaps destined to play an important part in the future in hybrid work.

(To be concluded next week)

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Fine plants, Dreer's Strain, 3-in.	$3.00
DRACAENA INDIVISA, 6 and 7 in.	20.00
DOUBLE PETUNIAS, R. C.	1.00
LANTANAS, Dwarf	1.00
LANTANAS, Trailing	1.25
LANTANAS, Trailing, 2 in.	2.00
STROBILANTHES DYERIANUS, R. C.	1.25

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BEGONIA Rex, 2-in., $5.00 per 100.
ASPARAGUS plumosus, 2-in. $3.00 per 100; 3-in., $6.00 per 100. Cut sprays, 25c. per bunch.
ASPARAGUS Sprengeri, 3-in., $6.00 per 100.
GERANIUMS, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 3-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in., $3.00 per 100.
FERNS. Whitmani, 4-in., 25c. each. Boston, 4-in., 15c. each; 5-in., 25c. each.
CYCAS PALMS, 4 to 5 leaves, $1.00, $1.50 and $2.00.
VINCA Var., 2-in., $2.00 per 100.

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Alphonse Bouvier, Duke of Marlborough, Chas. Henderson, Chicago, Papa Nardy, strong tubers, 2-3 eyes, $15.00 per 1000.

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2½-in., $15.00 per 100, $140.00 per 1000

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2½-in., $5.00 per 100, $45.00 per 1000

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Primula Obconica and Chinensis
2½-in., $3.00 per 100, $25.00 per 1000

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Dwarf hybrid, large flowering, finest shades and colors, strong, stocky plants, 3-in., $3.50 per 100; 4-in., ready for shift, $6.00 per 100.

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PETUNIA, The Queen, fine double fringed, white mingled with purple, $1.00 per 100; $9.00 per 1000.
AGERATUM, Stella Gurney, 50c. per 100; $4.00 per 1000.

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IVY GERANIUMS, mixed, 2½-in.		2.50
GERANIUM Mme. Salleroi, 2-in.		2.00

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10 varieties, 2¼-in. pots, April 1st	$2.00
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American Arbor Vitae, 2-3 feet, $10.00 per 100; 3-4 feet, $15.00 per 100; fine bushy trees many times transplanted and clipped. Balsam Fir, shapely, bushy trees, 2-3 feet, $15.00 per 100.

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Strong and healthy, from 2¼-in., A. Ricard, Hill, Poitevine, $2.50 per 100, $24.00 per 1000. Nutt and Grant, $2.00 per 100, $18.00 per 1000.
COLEUS, R. C., Verschaffeltii and Golden Bedder, 65c. per 100, $5.00 per 1000.
SALVIA Zurich, AGERATUM Gurney, 75c. per 100, $6.00 per 1000.
CANNAS dormant, A. Bouvier and S'nir d'A. Crozy, $2.00 per 100, $18.00 per 1000.
FINE CRIMSON RAMBLERS, 3 and 4 years old, $10.00 and $12.00 per 100.

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COLEUS Ver. and G. Bedder, $8.00 per 1000. Fancy, brightest, $6.00 per 1000. Giant Leaved, most showy of all, 80c. per 100.

ALTERNANTHERA. Good soil plants; fall struck, Yellow, $6.00. Red Rug, $7.00 per 1000.

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Strong runners, PRINCE OF WALES VIOLETS, $9.00 per 1000.

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Nutt, Buchner, Poitevine, Doyle, Mme. Salleroi and others, $18.00 per 1000, $1.50 per 100.

Rose Geraniums, $3.00 per 100.

Rooted Cuttings of

Fuchsias, Salvias, Heliotropes, Double White Feverfew, Vinca Variegated, $1.00 per 100; 2-in. pots of above, $2.00 per 100.

Double Giant Sweet Alyssum; Ageratum, Gurney; R. C., 60c. per 100; 2-in. pots, $1.50 per 100.

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Crimson Verschaffeltii, Golden Bedder and 15 others, 60c. per 100, $5.00 per 1000.

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Geraniums! Geraniums!

Nutt, Doyle, Buchner, La Favorite, Grant, Bruanti and others, also Rose Geraniums, $18.00 per 1000; 500 at 1000 rates.
Coleus, Rooted Cuttings, in variety, $5.00 per 1000. Verschaffelti, $6.00 per 1000.
Ageratum, Stella Gurney, Pauline and others, R. C., 60c.; 2¼-in. pots, $1.00 per 100. Heliotrope, all dark, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Feverfew, Little Gem, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Achyranthes Lindeni, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Pilea, Artillery Plant, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Ivy, German, 2¼-in. pots, $1.50 per 100.

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S. A. Nutt, 4-in. in bloom, $9.00 per 100. Castellane, 4-in., in bloom, $9.00 per 100.
SALVIA Bonfire and Splendens, Rooted Cuttings, 75c. per 100, $7.00 per 1000.
The following April 4 delivery: S. A. Nutt, $1.00 per 100, $10.00 per 1000. Ricard, $1.25 per 100, $11.00 per 1000. Castellane, $1.25 per 100, $11.00 per 1000. Buchner and La Favorite, $1.00 per 100, $10.00 per 1000.
Less 3 per cent for cash with order. Stock guaranteed, or money refunded.

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WHOLESALE FLORISTS ☞ Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial
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REVIEW OF THE MARKET

NEW YORK, March 23.—There seems at this time to be a lull in the cut flower market, but the ante-Easter feeling of anticipation, expectation, and hope is everywhere apparent. American Beauty Roses are arriving in sufficient supply to meet all demands with general sales at 40c. each, while a few specials have brought 50c. Richmond Roses are in good demand, top grade flowers realizing 15c. to 20c. each. Other Tea Roses are plentiful except White Killarney and Bride, which clean up better. Many shipments are arriving in very bad condition, making sales impossible. The general run of prices is from 2c. to 12c. for all varieties.

Carnations are in good supply and are selling at $2.50 to $4 per 100; a few fancy grades have sold at $5.

Violets are coming in showing the effects of the recent hot weather. Prices range from 25c. to 50c. per 100.

Good Cattleyas are scarce and selling at 75c. each. Sales to buyers for ordinary stock are made at from 40c. to 50c.

Lilies are plentiful, and are moving at prices ranging from 6c. to 10c. each. Callas are also plentiful with the demand fair; prices range from 10c. to 15c. each. Gardenias are in small demand, offerings of the same on the streets being quite frequent.

The supply of Sweet Peas has shortened a trifle, but the demand is such that there are plenty to go around. Top grade flowers bring $1.25 per dozen bunches.

Lily of the Valley is abundant and the best grade sells for $3 per 100, other grades at any price.

Daffodils are plentiful, with a good demand, making clearances possible. Tulips move slowly, and sales are made at prices ranging from 75c. to $2 per 100. Some extra good stock is selling for $3 per 100.

There is a good demand for Asparagus plumosus at 40c. per bunch for the very best. Smilax is scarce and realizes from $1.50 to $2 per dozen strings.

Lilac moves slowly, top grade sprays bringing 75c. per bunch. There is a fair demand for small stock such as Pansies, Alyssum, Mignonette, Stocks, and Freesias. Marguerite Daisies are very plentiful.

PHILADELPHIA, March 21.—Since our last report cut flower conditions have improved perceptibly, and stock of all kinds cleans up much better than for the past few weeks, so that an easier feeling prevails. American Beauty Roses are more in demand but the supply is very short, consequently good Richmond is being used in preference. Top grade Am. Beauty realize 75c. each, while first-class Richmond is offered at 25c. each, with barely enough to go round. Tea Roses of all varieties are moving well and shorter grades clean up quickly. The best stock moves more slowly, but none goes to waste, as at present the supply is not overdone. Prices for all grades range from $3 to $15.

Carnations have been good property since last Thursday, and the price for fine standard flowers stays at $3 per 100, with a good prospect for a further increase later in the week. Orchids remain about as last week, with the demand slightly on the increase. Lilies have made a slight advance in price, good grade flowers realizing $15 per 100. Considerable short stemmed stock is on hand, and when good brings $10 to $12.50 per 100 flowers. Lily of the Valley moves very well, and the demand has been such that shipments are sold as soon as received, at prices ranging from $2 to $4.

Violets hold their own, and while the flowers are not up to the standard in quality prices have advanced a trifle, with a good outlook for a week end heavy sale. Top grade flowers bring 75c. to $1 per 100. Gardenias are plentiful, and are consequently very cheap.

Bulbous stock of all kinds was not so much in evidence last week, and although the demand is not very great the stock on hand cleaned up well. Southern Daffodils are arriving frequently, and sell at about $7.50 per 1000. Home grown stock realizes figures a trifle in advance of these quotations. Callas are good property and the call has been exceptionally good, with prices remaining about 8c. to 15c. each.

Pansies, Stocks, Mignonette and other miscellaneous flowers move well, and for the past few days have sold at moderate figures. Asparagus is still in short supply, good clean bunches realizing 50c. each. The Smilax supply has shortened, and the price is now 15c. to 20c. per string.

BOSTON, March 22.—Crops are plentiful and in the very best condition. If the weather holds on just as it is at present there will be an immense business done this week. Pot plants are greater in evidence this year for Easter, and without any exaggeration, never before were such fine goods offered. Easter Lilies are probably the weakest, the stems are far too short with some growers and without enough flowers. The bulbs were potted up late and when they showed the flower buds a higher temperature was given and many buds dropped with the excessive temperature. All other plants such as Roses, Hydrangeas, Boronias, Heaths and Genistas are in great abundance, and the prices obtained are good.

Prices for all goods this week are on the upward move and by Saturday they should be much higher. Roses are more plentiful with the exception of American Beauty which is not overplentiful and commands high prices. Killarneys are more plentiful and owing to an increased demand prices hold firm. Bride and Bridesmaid are not in great demand. Safrano, Bon Silene and Mrs. Aaron Ward are picked up quickly by the best stores. Pot Roses for Easter business are now in great demand, and those mostly called for are Lady Gay, Tausendschon, Hiawatha, Wedding Bells and Crimson Rambler.

Prices have advanced on Carnations of all kinds. Good whites run as high as 4c. to 5c. each.

Bulbous stock is quite plentiful. Double Von Sions are getting scarce, and prices are better on those than they were a week ago. Sweet Peas are quite abundant and prices are lower, excepting for flowers of extra good quality. Violets are going higher this week; they are bringing 50c. to 75c., and will go probably to $1 by the end of the week.

There is a good supply of Lilies, and prices run from 10c. to 12½c. per flower, and plants with flowers about 12½c. each flower.

The supply of miscellaneous stock is quite abundant, such as Marguerites, Mignonette, English Primroses, Wallflowers, Anemones and Lupines. Asparagus Sprengeri and plumosus is slightly more plentiful and prices hold good. Adiantums Cuneatum and Croweanum are scarce and good prices are obtained. Lily of the Valley sells quite well. The demand for Orchids is not as heavy as a few weeks ago. Green goods of all kinds are in demand and prices are satisfactory. R. C.

CHICAGO, March 22.—Easter prices are prevailing and the market is all activity, with a demand for stock in all lines manifest. It is the opinion of all that if the present weather continues this will be the busiest Easter for many years. The reports from all quarters indicate that the shipping trade is exceedingly strong and the orders booked far exceed the number of last year. There is a little uneasiness felt regarding stock, as some lines at this time look as if there will not be nearly enough to supply the demand. With the Roses, however, there will be nothing to worry over, unless it be as regards red ones, as Killarney seems to be in full crop with all growers.

Carnations, with the exception of red and white sorts, are promising in quantity. Never has the scarcity of white been so evident for this occasion. That many are holding back this particular color is not doubted, but as the price at this time has soared to 5c. and 6c. for good quality flowers it seems foolhardiness not to bring them forward. Fancy reds are also commanding 5c. each. Other varieties have advanced to 3 and 4c. Lilies, good fancy stock, are not to be had in any great quantity. Of course, there will be lots of short and second class flowers, but real fancy Lilies are remarkably scarce. From $12 to $15 per 100 is about the range of prices obtained, although in some instances a little higher figure is possible. Callas look fine and undoubtedly there will be a sufficient supply; from $10 to $12 the prices range, while extra fancy will command as high as $15. Lily of the Valley has advanced a little, but the quality is extra fine for this season.

The new crop of Easter bulb stock is extraordinarily fine, and is just right. Tulips are remarkably good. Hyacinths and some of the greenhouse grown Daffodils are extra fine. Prices are not exorbitant in these lines, but before, Easter Sunday they will be higher. Some Gaillardias are very conspicuous, but the quantity does not permit stating prices. Good Stocks in both pink and white varieties are to be seen everywhere, and there is an accumulation of miscellaneous stock, Mignonette, Forget-me-nots, Pansies, Snapdragons, Candytuft and Daisies.

Orchids, it is feared, will not be quite as plentiful as could be wished. The report is that the crops in the East will not be as great as anticipated. The price for Cattleyas is $5 and $6 per dozen. Gardenias still arrive in quantities, enough for the demand, and the quality as good as at any previous writing. Violets are in great abundance, and prices far below those of other seasons. This condition will be taken advantage of.

Green stock in all lines is in active demand, and there is not any too much on hand to fill orders. Ferns have advanced from $2 per 1000 to $2.50, and the quality is somewhat improved over that of a few weeks back.

Entire satisfaction is expressed by all over the outlook for a heavy business.

INDIANAPOLIS, March 21.—The general view of the flower shops last week indicate more prosperity than the actual receipts. All kinds of flowers and plants, extra fine in quality most of them, were on every hand, but there was little unusual to cause a demand for them. Counter trade moved along nicely and maintained an opening for the highest grade of flowers, but funeral work, which was heavy for some weeks preceding, was much lighter. Social occasions were almost entirely off the list and little decorating was done by anyone. The growers are offering an unusual quantity of cut flowers, but with Easter so close at hand they refuse to break the prices. Bulbous stock is being brought on rapidly by the bright weather, and thousands of Jonquils, Daffodils, Hyacinths and Tulips are already on the market at $3 to $4 per 100.

The Carnation cut is off crop, but there is a sufficient supply at $2.50 to $4, as the demand is correspondingly light; $1 per doz. is the prevailing retail figure at present. Easter prices are in effect at $1.50 to $2 per doz.

Roses are really deserving of better prices when the select quality and color of them is considered. Bride and Bridesmaid of good quality bring $6 to $8; the various kinds of seconds bring $4 to $6, while shorts bring $2 to $3 a hundred. The demand for American Beauty is light at $5 to $50 per 100.

Several more growers are marketing Sweet Peas; this year has certainly been an unusual one for these flowers; 60c. to 75c. per 100 is asked for them.

Home grown single Violets at 50c. to 60c. per 100 are outselling Hudson River product at 75c. and $1 per 100. No trouble will be had in securing a sufficient supply for the coming Sunday. It is impossible for your correspondent to describe the beautiful selection of plants now offered the public. This year, seemingly, has been propitious in every way toward the production of fine plants.

Lilacs, Roses, Rhododendrons, Amaryllis, Lilies, Primroses, Daisies, Pansies and many other varieties help to present a beautiful mass of coloring in the conservatories.

There is very little in the larger flower centers which cannot be seen at some of the Hoosier establishments at the present time. I. B.

ST. LOUIS, March 21.—The market here has been well supplied with almost everything in season and the commission men say it moved nicely all of last week, especially the latter part thereof when stock cleaned up at good prices. If there is anything the market is long on it is in Roses; these are just about coming on in full crop and a sufficient supply is now looked for. Bride, White Killarney and Ivory sold well, but colored stock suffered somewhat in demand. American Beauty sold well in the medium grades and shorts, but fancy long dragged somewhat.

Carnations will be somewhat short for Easter as the glut of about ten days ago put them off crop for a while. Violets are coming to an end fast; the warm days caused them to suffer greatly. Sweet Peas will be in plenty also all

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Wholesale Prices of Cut Flowers, New York, March 23rd, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	30.00 to 40.00
" extra	20.00 to 30.00
" No. 1	10.00 to 15.00
" No. 2	8.00 to 10.00
" No. 3	3.00 to 8.00
Killarney	2.00 to 8.00
White Killarney	3.00 to 12.00
My Maryland	2.00 to 8.00
Richmond	4.00 to 15.00
Mme. Abel Chatenay	2.00 to 8.00
Golden Gate	2.00 to 10.00
Bride, Maid, fancy—spec.	6.00 to 8.00
" extra	4.00 to 5.00
" No. 1	3.00 to 5.00
" No. 2	1.00 to 3.00
Adiantum	1.00 to 1.50
Crowenanum	.... to 1.50
Antirrhinum (per bunch)	.25 to .50
Asparagus, cut strings	25.00 to 40.00
Plumosus, bunches	15.00 to 30.00
Sprengeri, bunches	15.00 to 30.00
Bouvardia	2.00 to 8.00
Callas	8.00 to 12.00
Daffodils	.75 to 2.00
Daisies	.75 to 1.00
Ferns, per 1000	.75 to 2.00
	.... to ....
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.75 to 1.50
Standard Varieties: White	2.00 to 3.00
Pinks	2.00 to 3.00
Red	2.00 to 3.00
Yel. & Var.	2.00 to 3.00
Fancy (The highest grades of Sta'd varieties): White	3.00 to 4.00
Pinks	3.00 to 4.00
Red	3.00 to 4.00
Yel. & Var.	3.00 to 4.00
Novelties	4.00 to 5.00
Gardenias, per doz.	.50 to 2.00
Lilac, per bunch	.35 to .75
Lilies, Harrisii and Longi.	5.00 to 10.00
Lily of the Valley	1.00 to 3.00
Mignonette, per doz.	.40 to .75
Narcissus	1.00 to 2.50
Orchids, Cattleyas	25.00 to 60.00
Cypripediums	8.00 to 12.00
Dendrobium Formosum	25.00 to 40.00
Pansies, per doz. bunches	.35 to .75
Poinsettias per doz.	.... to ....
Roman Hyacinths	1.00 to 2.00
Smilax (per doz. strings)	1.50 to 2.00
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.50 to 1.00
Tulips	.75 to 2.50
Violets, single	.25 to .40
" double	.25 to .40
	.... to ....

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CUT FLOWERS AT WHOLESALE

bulb stock, especially Lilies, thanks to the fine warm weather for the past ten days, which all said would be scarce. Prices for Easter will run about as follows:

Roses, from $6 to $10, first class fancy, other grades, from $3 to $5. American Beauty, fancy, $6; next $3 to $4, and shorts from 50c. to $1 per doz. Carnations, fancy, $5 to $6 per 100; firsts, $3 to $4, and splits $2. Callas and L. Harrisii, $12.50 to $15 per 100. Sweet Peas, from 50c. to $1 per 100. Violets, single, 35c. to 50c.; doubles, 50c. to $1 per 100. Lily of the Valley, $3 to $4 per 100; Tulips, $3 to $4; Dutch Hyacinths, $4; Roman Hyacinths, $3; Paperwhite Narcissus, $3; Freesias, $2; Von Sions $2 to $3 per 100.

Everybody in the trade is looking for a great Easter business, and, if the weather conditions hold out, a record breaker is expected. ST. PATRICK.

New York

Several of the promiuent wholesalers have recently been in conversation with a city official, who makes the suggestion that the wholesale commission men get together and consider an offer from the city to build a set of stores, with heat, light and other necessities for the business, under the new bridge at 59th st. This project sounds good to many, and it is hoped that the wholesalers will consider the propositiou in all its phases.

The Growers' Cut Flower Co. will occupy, as additional space during Easter week, the vacant store which it will soon occupy permanently or at least during the razing of the building in which its present quarters are situated.

The regular monthly meeting of the directors of the Cut Flower Exchange will be held the first Saturday in April.

Myer the florist of Madison ave. has secured the store at No. 613, on the same street, to enable him to properly serve his patrons this week. Mr. Myer has recently renewed his lease for seven years, and this should prove that business conditions are satisfactory with him. When in Chicago some time ago, he made arrangements with a supply house for the exclusive use of a Lily design, on baskets, very appropriate for the season. The decorations for the G. Hearn golden wedding anniversary were recently executed by Myer, in which over 4000 Daffodils were used.

Thorley's annex is at 581 Fifth ave. His House of Flowers is replete with the best plants obtainable, in the windows being an immense pyramidal display of purple Lilac in pots, and Hydrangea Otaksa grown in various forms and tied with large bows of ribbon to match.

Friends of John Reimels of Woodhaven will regret to learn that he is again confined to his bed, with a bad attack of pneumonia, and doubts are entertained of his being able to be about his business for some time.

P. McKenney furnished the decorations at the dinner tendered to Judge Gaynor at Delmonico's on March 17. Beside the regular decorations 70 baskets of flowers were used.

The Lenox Hill Florist, 1177 Third ave., has secured the commodious store No. 1175 for his Easter annex.

On Tuesday and Wednesday of this week many shipments of held-over Roses were received. These were such that buyers refused to look at them, and the chances are that many box lots were thrown away. It is the general opinion on the street that growers make a sad mistake by pickling their stock, especially as it must be poor when shipped in; why then pay express on it?

Orders for Violets in hundred thousand lots were received early in the week, and the outlook is for good business if quality of stock is right. Violets received the fore part of the week were generally poor and off color.

E. Howard Smith of Hazleton, Pa., was in the city on Tuesday, making purchases for his holiday trade. He has not been seen in the market for quite a long period, but looks well and hearty. He reports prospects for a good Easter trade in his town as very bright.

August F. Poehlmann of Chicago found time after his duties as president of the A. R. S. were completed to visit some of the establishments in this section, among them those of the Julius Roehrs Co., Rutherford, N. J., and A. N. Pierson, Cromwell, Conn.

The contract for the topographical survey and measure of the ground for the botanical garden and arboretum of the Brooklyn Institute has been awarded to D. Barta, of 456 Manhattan ave., Manhattan. The garden will be situated between Washington and Flatbush aves., adjacent to the site of the Central Museum.

Philadelphia

Considerable regret is expressed that the judges' decision was reversed in the matter of the award given to the sport of My Maryland, exhibited at the New York show last week by Myers & Samtman, but the firm feels that under the conditions, the judges' action was justified.

The following gentlemen were entertained by A. Farenwald in New York City last week at a dinner given while the American Rose Society show was in progress: D. Sullivan of the New York Cut Flower Co.; Stephen Mortensen of Southampton; Edw. Towill; Wm. Geiger, grower for Wm. Stephensoo, Oak Lane, Philadelphia; Fred Towill of Hillside, Pa.; John Andre of Doylestown, Pa.; Clarence Upton of Roslyn Heights, Pa.; Frank P. Myer and Martin Samtman of Chestnut Hill, Pa. Many of the gentlemen were, in part, responsible for the success of that show, and Philadelphians in general are pleased at the fact that so good a display of stock was made. Surely the Richmonds staged by Mr. Farenwald were in a class by themselves.

Wm. Geiger, who attends to the growing of Mrs. Jardine Rose in the establishment of Wm. Stephenson, at Oak Lane, created considerable enthusiasm through the staging of such a superb, prize winning vase of his Rose, and the many inquiries showed that his stock would command high prices in any city.

Crawford has added an attractive electrical sign to the front of his store at 5210 Market st., which brings his stock more prominently to the public notice.

Robt. Craig Co. are experiencing such a rush of business that all efforts to keep ahead of orders seem to be unavailing. The excellence of the company's stock has proved that stock well grown can be disposed of easily to any retailer desirous of handling only the best. Day and night work is in order at the establishment, and with an extra amount of help the packing system in vogue works well. The extended packing shed is, at this season a boon to all hands.

Berger Bros. are handling some well-growo plaots of Hydrangea Otaksa from the greenhouses of Walter P. Stokes, Moorestown, N. J.

Wm. J. Baker says that Smilax, Pansies, Daffodils, Daisies and other retailers' stock is of the best quality, and that if business would stay for two months as it was in the past few days he would have no kick coming.

Edw. Reid will this week have an exceptional supply of Hudson River Violets for his out of town orders.

John McIntyre says that Daisies, single Violets and Lilac are the best things to have on hand these days.

S. S. Pennock-Meehan Co. is receiving some extra well-grown Kaiserin and Duchess of Wellington Roses from Robt. Scott & Sons of Sharon Hill, Pa.

J. L. Pennock of Lansdowne, Pa., is taking lots of comfort these days in a Winton auto.

Alf. M. Campbell has sold his residence at Swarthmore, Pa., and will build again shortly.

The next meeting of the Florists' Club will be held April 5, at which time a paper will be read by Henry Faust, a well-known local grower. Mr. Faust had exceptional success with his bulbs this season, so that an interesting paper will he looked for. The discussion which may follow should bring out plenty of good thoughts, and should be profitable to all present.

The Leo Niessen Co. is handling southern Daffodils in large quantities, and they are selling well. Richmond Roses are a special feature with the firm at this time.

S. S. Pennock is of the opinion that larger prizes should he offered to exhibitors of American Beauty Roses at the various shows. Incidentally, it might be as well to mention tbat this gentleman's services as a judge at the American Rose Society's Show last week were well appreciated, and his decisions, in co-operation with the other judges, ably rendered.

Macaw Bros. of Norwood, Pa., are doing well with the propagation of the white sport of Carnation Winsor. Duncan Macaw says the flowers of this white Carnation are superior in every way to the pink variety.

Geo. Faulkner of S. 15th st., is making quite a feature of rustic and white birch boxes containing Pansy and English Daisy plants.

WILMINGTON, O.—H. E. Mitting, who for the past two years, has conducted the greenhouses of the Clinton Floral Co., has surrendered his lease and George Moores is now in charge.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

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Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Mar. 21, 1910	Pittsburg Mar. 22. 1910	NAMES AND VARIETIES	Boston Mar. 23, 1910	Detroit Mar. 22, 1910	Cincinnati Mar. 21, 1910
to 35.00	50.00 to 65.00	Roses—A. Beauty, fancy—special	35.00 to 50.00	30.00 to 40.00	to 25.00
to 25.00	30.00 to 40.00	" extra	20.00 to 25.00	20.00 to 25.00	to —
to 18.00	15.00 to 20.00	" No. 1	10.00 to 15.00	12.00 to 15.00	to
6.00 to 12.00	6.00 to 10.00	" No. 2	2.00 to 8.00	6.00 to 10.00	to
to	8.00 to 20.00	Killarney	8.00 to 10.00	to	4.00 to 12.00
to	8.00 to 20.00	White Killarney	8.00 to 10.00	to	4.00 to 12.00
to	6.00 to 15.00	My Maryland	6.00 to 10.00	4.00 to 12.00	6.00 to 12.00
4.00 to 8.00	10.00 to 25.00	Richmond	8.00 to 10.00	6.00 to 12.00	4.00 to 12.00
4.00 to 8.00	6.00 to 12.00	Perle	to	to	to
to	to	Golden Gate	to	to	to
4.00 to 8.00	6.00 to 15.00	K. A. Victoria	to	4.00 to 12.00	to
to 10.00	to 15.00	Bride, 'Maid, fancy—special	6.00 to 8.00	10.00 to 12.00	to 12.00
to 8.00	to 12.00	" extra	2.00 to 4.00	8.00 to 10.00	to
to 6.00	to 8.00	" No. 1	to	6.00 to 8.00	to 6.00
to 4.00	to 6.00	" No. 2	to	4.00 to 6.00	to
to 1.00	to 1.50	Adiantum	1.00 to 1.50	1.00 to 1.50	to
to	to	Antirrhinum, (per bunch)	to	1.00 to 1.50	to
to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	to 50.00	30.00 to 50.00	to 25.00
to 30.00	20.00 to 40.00	" Sorengeri, bunches	to 50.00	30.00 to 50.00	to
to	to	Bouvardia	to	to	to
to 15.00	to 15.00	Callas	5.00 to 10.00	12.50 to 15.00	10.00 to 15.00
to	to	Chrysanthemums	to	to	to
to	to 3.00	Carnations—Inferior grades, all colors	1.00 to 1.50	to	1.50 to 3.00
to 4.00	to 4.00	Standard Varieties: White	1.50 to 3.00	3.00 to 4.00	to
to 4.00	to 4.00	Standard Varieties: Pink	1.50 to 3.00	3.00 to 4.00	to
to 4.00	to 4.00	Standard Varieties: Red	1.50 to 3.00	3.00 to 4.00	to
to 4.00	to 5.00	Standard Varieties: Yellow and var.	to	to	to
to 5.00	5.00 to 6.00	*Fancy (*The highest grades of Std'd vars.): White	1.50 to 3.00	4.00 to 5.00	to
to 5.00	5.00 to 6.00	*Fancy: Pink	1.50 to 3.00	4.00 to 5.00	to
to 5.00	5.00 to 6.00	*Fancy: Red	1.50 to 3.00	4.00 to 5.00	to
to 5.00	5.00 to 6.00	*Fancy: Yellow and var.	to	to	to
to 3.00	to 3.00	Daffodils	1.00 to 1.50	to 3.00	to
to .60	2.00 to 3.00	Daisies	to	1.00 to 2.00	to
to .25	to .20	Ferns, bardy	to	to .15	to
to 3.00	to	Freesia	1.00 to 1.50	3.00 to 4.00	to
to .20	to .12	Galax, green and bronze	to	to .12	to
to	to	Gardenias, per doz.	to	to	to
to	to 1.00	Lilac, (per bunch)	to	to	to
to 15.00	12.00 to 15.00	Lilies, Harrisii and Longi	10.00 to 12.00	12.50 to 15.00	to
to 3.00	3.00 to 4.00	Lily of the Valley	2.00 to 3.00	3.00 to 4.00	to
to	4.00 to 6.00	Mignonette	2.00 to 4.00	6.00 to 8.00	to
to	2.00 to 4.00	Narcissus	1.00 to 1.50	to 3.00	to
to	60.00 to 75.00	Orchids—Cattleyas	35.00 to 50.00	to	to
to	15.00 to 20.00	Cypripediums	to	to	to
to	to	Dendrobium Formosum	to 35.00	to	to
to	to 1.00	Pansies, per doz. bunches	to 2.00	to	to
to	to	Roman Hyacinths	to	4.00 to 8.00	to
to 1.50	1.50 to 2.50	Smilax, (per doz. strings)	1.00 to 1.50	1.50 to 2.00	to
to	to	Stevia, per bunch	to	to	to
to 3.00	.50 to 1.50	Sweet Peas, (per doz. bun.)	.25 to .75	.60 to 1.00	.50 to 1.00
3.00 to 4.00	3.00 to 4.00	Tulips	1.00 to 3.00	3.00 to 4.00	to
to 1.00	.50 to .75	Violets, single	.50 to .75	.75 to 1.00	.50 to 1.00
to 1.00	.75 to 1.00	" double	.50 to .75	.50 to .75	to
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. CINCINNATI, O.

ALL CUT FLOWERS IN SEASON

I Sell Heller Bros. Roses

I MANUFACTURE WIRE WORK

Get your order in now for

HANGING BASKETS

The Best—The Strongest—The Cheapest

Green Sheet Moss, $1.00 per Bundle

Sphagnum Moss, $1.00 per Bale

Please mention the Exchange when writing.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE

2-8 Duane Street, New York.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

Milwaukee, Wis.

Please mention the Exchange when writing.

The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

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HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee St., MILWAUKEE, WIS.

'Phone, Main 874. P. O. Box 103.

Please mention the Exchange when writing.

Boston

Notes on Easter Stock

Eber Holmes of Montrose is shipping some excellent Killarney Roses, both pink and white, and his Richmond are of the very best quality. They are handled at 1 Park St. market by E. A. Stickle.

Charles T. Stevens of Plymouth was in town and reports a good thriving business. Until this year he was employed on the railway, but his business has increased so much that it demands all of his time now. He employs three men and they are kept busy all the time. He has 10,000 sq. ft. of glass and grows Lilies, Carnations, and a general assortment of plants.

In addition to high grade bulbous material, Mann Bros. are shipping some well grown and beautifully flowered plants to 1 Park St. market, of Lilacs, Rhododendrons, Kalmias, and forced Japanese Maples, which latter are valuable for their highly colored foliage. Their cut Wallflowers are also of good quality.

Becker & Co. have had an immense quantity of bulbous material this Winter, and they are now shipping excellent double Daffodils and N. poeticus with extra long flower stems. Their Cinerarias and Primula obconica in pots are of good quality and bring satisfactory prices. William F. Aylward is their salesman at 1 Park St. market and he reports good prices for this week.

Carnation May Day from W. D. Howard, Milford, Mass., is of very fine quality and is handled by George H. Noyes at 1 Park St.

A. Leuthy & Co. report they were never better prepared to meet their Easter trade than this year. Everything is in the very best of condition. They grow for Easter 2000 Lilies in pots which are just in right condition for shipping. Their Rhododendrons are good large specimens and well flowered; 200 of these are ready for market. Acacia paradoxa and A. longifolia are grown in large quantities and 200 large specimen plants are in full bloom now. They grow a considerable number of Gardenias in pots and have about 200 ready for shipping this week. Other things which are prominent at this establishment are Azaleas, Prunus triloba, Deutzia gracilis and Lemoinei. Genistas are in perfect bloom now; they handle 1500 of these handsome plants.

N. F. Gray has 12,000 ft. of glass which is located at the corner of Capen and Elliott sts., Dorchester, where he has been for 13 years. His specialties are Lilacs, Rhododendrons, and bulbous material. He imports direct from Europe.

Thomas Stock, 251 Minot st., Dorchester, has 10,000 ft. of glass and makes a specialty of Bachelor's Buttons (Centaurea cyanus); the variety he likes the best is Double Emperor William; it is of especially good color and comes of an even shade right through the whole house. He also grows Spanish Irises, Jacq. Roses and Sweet Peas. His crops are in fine condition at the present time and he is doing a fine business.

William Hammond & Son of 417 Codman st., Dorchester, have 25,000 sq. ft. of glass. They do a wholesale and retail business and have been located at the above place for the last 25 years, and carry on a prosperous business. Mr. H. has been confined to his home for some time with rheumatism. He contemplates building a propagating house in the near future. His principal crops are Roses, Carnations, and a mixed lot of plants which his business demands.

G. L. Park, 807 Washington st., Dorchester, has 20,000 sq. ft. of glass; his first house was built in 1872 and it is in fairly good condition now. He grows an assortment of plants and conducts a wholesale and retail business.

T. A. Cox of 73 Olney st., Dorchester, has 8000 sq. ft. of glass and has been located at the above place for 30 years; he grows for wholesale only.

Edward Rogean at 1 Park st. is handling some extra good Forget-me-nots, which are grown and shipped to him by Mrs. Ward of Montvale.

This week Wm. Sim of Cliftondale is shipping an immense quantity of Violets from his cold frames. He is fortunate in getting them in the right condition for Easter. His houses of Sweet Peas are in full bloom and they are the finest in the Boston market.

H. M. Robinson Co. are well equipped with flowers for their Easter trade; they carry all the best grades of Roses, American Beauty, Richmond and Killarney; Carnations of high quality and all sorts of bulbous goods; Asparagus Sprengeri

Our supply of

ROSES is hard to beat for quality. Our growers are in with a heavy crop and a good portion of the cut is of the fancy and special grades Our leaders are

PINK and WHITE KILLARNEY
MARYLAND RICHMOND

The grade of **CARNATIONS** we are shipping at $3.00 per 100, you will find extra good value.

Southern Daffodils $7.50 and $10.00 per 1000.

THE LEO NIESSEN CO.,
Wholesale Florists
1209 Arch Street
PHILADELPHIA

Open from 7 A.M. to 8 P.M.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Mar. 14, 1910	Buffalo Mar. 15, 1910	NAMES AND VARIETIES	Phil'delphia Mar. 21, 1910	St. Louis Mar. 22, 1910
to	30.00 to 40.00	Roses—A. Beauty, fancy—special	40.00 to 60.00	25.00 to 35.00
to	to 25.00	" extra	30.00 to 40.00	16.00 to 20.00
to	to 12.00	" No. 1	15.00 to 25.00	8.00 to 12.50
to	6.00 to 8.00	" No. 2	8.00 to 15.00	3.00 to 6.00
to	4.00 to 12.00	Killarney	3.00 to 12.00	3.00 to 8.00
to	4.00 to 12.00	White Killarney	3.00 to 12.00	3.00 to 8.00
4.00 to 10.00	5.00 to 10.00	My Maryland	3.00 to 12.00	4.00 to 6.00
4.00 to 10.00	5.00 to 12.00	Richmond	5.00 to 20.00	4.00 to 8.00
4.00 to 6.00	5.00 to 8.00	Perle	to	to
4.00 to 8.00	to	Golden Gate	to	to
to	to	K. A. Victoria	to	to
to 8.00	10.00 to 12.00	Bride, 'Maid, fancy—special	8.00 to 10.00	6.00 to 8.00
6.00 to 7.00	8.00 to 10.00	" extra	6.00 to 8.00	4.00 to 5.00
to 6.00	6.00 to 8.00	" No. 1	4.00 to 6.00	to 3.00
to 4.00	4.00 to 6.00	" No. 2	2.00 to 4.00	to
to 1.00	1.00 to 1.50	Adiantum	1.00 to 1.50	to 1.50
to	to	Antirrhinum (per bunch)	to	to
25.00 to 60.00	to	Asparagus, Plumosus, bunches	35.00 to 50.00	25.00 to 60.00
25.00 to 50.00	to	" Sprengeri, bunches	35.00 to 45.00	25.00 to 75.00
to	to	Bouvardia	to	to
8.00 to 10.00	10.00 to 15.00	Callas	8.00 to 15.00	10.00 to 12.50
to	to	Chrysanthemums	to	to
to 1.50	1.50 to 2.00	Carnations—Inferior grades, all colors	1.00 to 1.50	2.00 to 2.50
2.00 to 2.50	1.50 to 2.00	Standard Varieties: White	1.50 to 2.50	2.00 to 2.50
2.00 to 2.50	1.50 to 2.00	Standard Varieties: Pink	1.50 to 2.50	2.00 to 2.50
2.00 to 2.50	1.50 to 2.00	Standard Varieties: Red	1.50 to 2.50	2.00 to 2.50
2.00 to 2.50	1.50 to 2.00	Standard Varieties: Yellow and var	1.50 to 2.50	to
to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Std'd vars.): White	2.50 to 3.50	to 4.00
to 3.00	2.50 to 3.00	*Fancy: Pink	2.50 to 3.50	3.00 to 4.00
to 3.00	2.50 to 3.00	*Fancy: Red	2.50 to 3.50	3.00 to 4.00
to 3.00	2.50 to 3.00	*Fancy: Yellow and var	2.50 to 3.50	to
2.00 to 3.00	to	Daffodils	.75 to 2.50	1.00 to 2.00
to	1.00 to 1.50	Daisies	1.00 to 2.50	to
to	to	Ferns, hardy	to .20	to
.50 to 1.00	2.50 to 3.00	Freesia	.75 to 1.50	to
to	to .15	Galax, green and bronze	to .20	to
to 2.00	to	Gardenias, per doz	to	to
to	to	Lilac, per bunch	.75 to 1.25	to
to 12.50	12.00 to 15.00	Lilies, Harrisii and Longi	8.00 to 12.50	12.50 to 15.00
2.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00
to 3.00	2.00 to 3.00	Mignonette	1.00 to 2.50	4.00 to 5.00
2.00 to 3.00	2.00 to 3.00	Narcissus	1.50 to 2.00	to
to	40.00 to 60.00	Orchids—Cattleyas	25.00 to 40.00	to
to	10.00 to 15.00	Cypripediums	to	to
to	to	Dendrobium Formosum	25.00 to 35.00	to
.50 to .60	1.00 to 1.50	Pansies, per doz. bunches	.60 to 1.00	to
3.00 to 6.00	2.00 to 3.00	Roman Hyacinths	1.00 to 2.00	to
to 2.50	1.25 to 1.50	Smilax, (per doz strings)	1.75 to 2.00	1.25 to 1.50
to	.25 to .30	Stevia, per bunch	to	to
.50 to 1.00	.50 to 1.00	Sweet Peas, (per doz. bun.)	.50 to 1.00	.25 to .60
2.00 to 4.00	2.00 to 4.00	Tulips	1.00 to 2.50	2.00 to 3.00
.40 to .60	to	Violets, single	.35 to .75	.15 to .25
to	.50 to .75	" double	.35 to .75	to
to	to		to	to
to	to		to	to
to	to		to	to

AS the days lengthen and the cold gives place to the warm, balmy days of Spring, it is then that each and every one is thinking of the pleasure nature has in store; flowers, green grass, trees budding—in fact, new life everywhere.

A longing to be closer to nature seems to pervade the atmosphere, thus giving the florist who is willing to grasp his opportunities a chance to dispose of more flowers than at any other time of the year.

Prices, owing to larger supplies, are far more reasonable.

Below we quote some Specials:

GARDENIAS per doz., special $3.00, fancy $2.50, first $2.00.
VALLEY, per 100, special $4.00, extra $3.00, No. 1 $2.00.
CARNATIONS, per 100, special $4.00, fancy $3.00, first $2.00.
CARNATIONS, our selection, in lots of 500 or more, good quality, $3.00 per 100.
SWEET PEAS, extra long, $1.50 per 100.
SWEET PEAS, long and medium, 75c. and $1.00 per 100.
DAISIES (white) $2.00 per 100.
DAISIES (yellow) $2.00 per 100.
MIGNONETTE, splendid spikes, $4.00 per 100.
CATTLEYAS, $9.00 per doz
RICHMONDS and JARDINES, per 100, special $20.00, fancy $15.00, extra, $12.00, 1st $8.00, 2nd $6.00.
MARYLAND, 2 KILLARNEYS, KAISERINES and BRIDES, per 100, special $15.00, fancy $12.00, extra $10.00, 1st $8.00, 2nd $5.00-$6.00.
ROSES, in lots of 200 or more, our selection, good quality, $4.00 per 100.

RIBBONS. Some of the choicest novelties, exclusive patterns, and endless variety to choose from.

SUPPLIES OF ALL KINDS. CATALOGUE ON REQUEST.

S. S. Pennock-Meehan Co.
The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St., Philadelphia, Pa.
1212 New York Ave., Washington, D. C.
Stores close at 6 P. M.

QUALITY

Please mention the Exchange when writing.

WE ARE NOW BOOKING ORDERS FOR

BEGONIA LORRAINE
BEGONIA LORRAINE LONSDALE
BEGONIA AGATHA

JUNE DELIVERY

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be **twice shifted.** Orders filled in rotation. 2½-in. pots, $15.00 per 100, $14.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

Headquarters in Western New York

For Roses, Carnations,

And all kinds of Seasonable Flowers

WM. F. KASTING CO.
Wholesale Commission Florists
Dealers in Florists' Supplies and Wire designs
383-87 Ellicott St., BUFFALO, N.Y.
Give us a trial—We can please you

Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

EDWARD REID
Wholesale Florist
Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias
All other seasonable flowers
1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
2 Duane Street NEW YORK

and A. plumosus they have in quantity. In evergreen goods they have fine supplies of all kinds.

Welch Bros. report that orders are shaping in the right direction for an immense Easter trade; their supplies in high grade flowers and green goods were never better than they are for this Easter.

William H. Elliott has an excellent crop of Roses in the finest condition for this week. His Rhea Reid is becoming a general favorite with its improved color. He has good crops of Killarney, both pink and white; Richmond are of extra good quality; Bon Silene and Mrs. Aaron Ward are in good demand and are great favorites with the best class of trade.

Robert McGorum is shipping this week to Welch Bros. some very fine Roses. His crops are well regulated for this week. R. C.

Among the Retailers

Matapan Florist Co., 1351 Blue Hill ave., which is run by Thomas Meighan, is doing a fine retail business. The store is located near a cemetery which helps swell the business. He has a double store and good shows windows for display purposes.

E. M. Glidden, 1667 Blue Hill ave., Matapan Square, has had a store at the above place since last Easter and is well satisfied with the location, doing a pleasing business. He is getting a large amount of funeral work.

The Champney Flower Shop, which is located at Post Office Square, Boston, since Dec. 1 of last year, reports satisfaction with the location; they are doing a good business. In the near future they contemplate many changes and improvements for the betterment of the store.

John P. Ego, 124 River st., Matapan P. O., has been confined to bed for two weeks, threatened with typhoid fever. We are pleased to say he is improving, and if he has no set back he will be well again in a short time. He reports good business and gets considerable funeral work.

Samuel Neil, 451 Washington st., Dorchester, has 12,000 sq. ft. of glass and grows mixed stock. He has a fine entrance to his greenhouse with large front where he can make a fine display; he does a good wholesale business and has good home trade.

Neil Bros., sons of Samuel Neil, have two stores, one on Bowdoin st. and the other at 1469 Dorchester ave., both in Dorchester. These stores have been

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

Please mention the Exchange when writing.

HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

51 Wabash Ave.

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Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

Please mention the Exchange when writing.

E. G. HILL CO.

Wholesale Florists

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Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

Please mention the Exchange when writing.

ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, March 22, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	4.00 to 6.00
30-inch stems.. "	.... to 4.00
24-inch stems.. "	3.00 to 4.00
20-inch stems.. "	.... to 3.00
18-inch stems.. "	.... to 2.50
12-inch stems.. "	1.00 to 1.50
8-in. stems and shorts "	1.00 to 1.25
Killarney	8.00 to 10.00
" extra	10.00 to 15.00
White Killarney	10.00 to 15.00
Richmond	8.00 to 15.00
My Maryland	6.00 to 12.00
Bride, Maid, fancy special	8.00 to 10.00
" extra	6.00 to 8.00
" No. 1	.... to 5.00
" No. 2	.... to 3.00
Perle	4.00 to 8.00
Chatenay	4.00 to 10.00
Kaiserin	8.00 to 10.00
Uncle John	.... to 8.00
Mrs. Marshall Field	.... to 8.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Calla Lily	12.00 to 14.00
Chrysanthemums doz.	.... to ....
" fancy doz.	.... to ....
Daisies	.... to 1.00
Daffodils	1.00 to 3.00
	.... to ....

CARNATIONS		
Standard Varieties	White	3.00 to 4.00
	Pink	3.00 to 4.00
	Red	4.00 to 5.00
	Yel. and Var.	.... to ....
Fancy (The highest grades of Sta'd varieties)	White	4.00 to 6.00
	Pink	3.00 to 4.00
	Red	3.00 to 5.00
	Yel. and Var.	.... to ....
Ferns, hardy, per 1000		.... to 2.50
Freesia		.... to 3.00
Galax (green)		.... to 1.00
" (bronze)		.... to 1.25
Gardenias		24.00 to 40.00
Hyacinths, Roman		.... to 3.00
Lilac		.... to 3.00
Lilies, Harrisii and Longi.		12.00 to 15.00
Lily of the Valley		3.00 to 5.00
Mexican Ivy		.... to 1.00
Mignonette		4.00 to 6.00
Narcissus—Paper White		.... to 3.00
Orchids—Cattleyas		40.00 to 50.00
" Cypripediums		15.00 to 20.00
Pansies		.... to .75
Smilax		12.00 to 15.00
Stevia, bunch		.25 to .50
Sweet Peas		1.00 to 1.25
Tulips		3.00 to 4.00
Violets, single		.... to .60
" double		.75 to 1.00
		.... to ....
		.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

General News Notes

George Page, gdr. to Mrs. Frederick Ayer of Newton, exhibited at Hort. Hall on Saturday last four fine specimens of Acacias; the pair of Acacia armata were finely grown plants and well flowered; the pair of A. Drummondi, with their light yellow flowers, were well done and much admired. He received a well-deserved gratuity.

The last meeting of the Winter course at Hort. Hall was on March 19, and the lecturer was Prof. Wm. R. Lazenby of the State University, Columbus, Ohio. His subject was "The Dietetic Value of Fruit." The lecture was very interesting and there was quite a good audience. The attendance during the course has been satisfactory and each year these lectures are becoming more interesting to the general public. Everything in this way helps to stimulate business, and there is no doubt but that seedsmen, florists, nurserymen and others benefit by the education that the people gain from these instructive lectures.

On March 19, the Market Gardeners' Association held a meeting at Hort. Hall. There was a large attendance and L. C. Corbett, of the Dept. of Agri., Washington, D. C., gave an instructive illustrated lecture. His illustrations were very good indeed, more especially those showing how crops are produced in the South by farmers and market gardeners. The yield of the crops was an eye-opener to the market gardeners of this vicinity.

W. D. Nickerson, who has been assistant gardener at Joseph White's, Brookline, for these past four years, is to succeed James Wheeler as head gardener. Mr. Wheeler leaves on April 1 to begin work on his new range of commercial greenhouses at Natick, Mass.

Lord & Burnham Co. are going to erect a range of eight greenhouses for E. S. Webster, Esq., Chestnut Hill; Wm. Downs, ex-president of the G. and F. Club, will be head gardener. This range will be up-to-date in every respect, and we wish Mr. Downs the greatest success in his new place. He is a capital gardener and we expect to see many good things emanate from these new houses.

March weather has been exceptionally fine, and at General Weld's estate, Dedham, the following Irises are in bloom out of doors: Iris Vartoni, I. histroides and I. Danfordæ.

William N. Craig, Longwater gardens, North Easton, reports that Peas sown on March 11 are just coming through to the ground, and we have seen in the garden today (March 22), in a warm sunny position, the following Narcissus: Henry Irving, Golden Spur, spurius and princeps.

E. H. Wilson, the famous plant collector, is going to China again in the interests of the Arnold Arboretum of Harvard University, and expects to be away for a year this time. He leaves on April 2. Mr. Wilson has made many friends in the Hub since he came among us early in the Winter.

William Fulton of the Henry & Lee Co., New York, was in town yesterday on his way back from Japan. Other visitors this week were Mr. Knickman of McHutchison Co., N. Y.; Mr. Squires of Harrison Nursery Co., Maryland; Prof. L. C. Corbett of Dept. of Agri., Washington, D. C.; Mr. Coe of D. M. Ferry Co., Detroit.

Chicago

The retailers' windows are one blaze of combinations of flowers and plants of all colors, one dealer vieing with the other to produce the most attractive Easter window display. There are very few new designs in the basket line to be seen. One new basket displayed is made of raffia, in several styles, the shapes differing very little from the straw and wicker ones that have been in evidence for many seasons. Some of the retailers are showing baskets, boxes and jardinières of terra-cotta that are very attractive, in many shapes and brilliant colorings. This ware is very desirable, as it does away with any possible chance of water being spilled on the carpets. The usual line of flowering plants always obtainable for this occasion are to be had, Cyclamens, Primroses, Cinerarias, Hyacinths, Tulips, Daffodils, Spiræas, Azaleas, Genistas, Lilies, Baby Rambler Roses, Begonias and Hydrangeas. It is an established fact that the demand for plants increases each year and the call for plants at Easter far exceeds that of Christmas.

Hydrangeas are particularly scarce in this locality, the growers being unable to force them along in time, and most of the stock obtainable is shipped from the East, the eastern growers seemingly being more successful in getting them in season. There is a decided shortage of tall Lily plants, but as this was prophesied several weeks ago there will be no disappointment felt, and the shorter plants will all be utilized. But few of the potted Lilies reach expectations, either in sizes or number of blooms.

Somewhat novel are the gold boxes, in various sizes, that filled with bulb stock make a very attractive and appreciative Easter floral offering.

A gilded basket, bowl shaped, with a tall handle, containing a Baby Rambler Rose with a large bow of Beauty ribbon is very conspicuous in its line. A half closed hamper filled with Pansies of all shades with bow of several different shades of lavender ribbon is not to be overlooked.

There is the usual display of crosses in various styles and shapes, executed with skill, of Lilies, Roses, Violets and Ivy with flowers intermixed, all with the elaboration of ribbons and chiffon.

The Easter floral exhibit at the Garfield Park conservatory was opened Sunday morning to the public, and will continue until April 1, under the supervision of John Sell, head gardener for the West Park system.

Lincoln Park is also having the usual Easter display, and many visitors were seen at the conservatories last Sunday. The arrangements were in the hands of Rudolph Schiele and by the size of the many Easter Lily plants it does not seem that here there has been any trouble with these flowers.

Washington Park conservatories are also in gala attire, although, owing to the tearing down of many of the greenhouses late last Fall, to make room for the new headquarters in course of erection for the South Park commissioners, many plants were disturbed, putting them back. Mr. Kanst says that the display is not quite as elaborate as usual in consequence.

A notice to the trade in Chicago from Smith & Fetters, Cleveland, O., is to the effect that on March 21 this firm will be known as Smith & Fetters Co., Mr. Smith having formed a stock company, taking in only employees of the firm of Smith & Fetters. F. M. Smith will be the president and treasurer, the other members being Wm. Krusen, F. A. Kraus Jr., Timothy Smith and Clarence Meyers.

Michael Stauch, formerly of the firm of Joy & Co., Nashville, Tenn., is visiting in Chicago this week, on his return from Germany where he has spent the last six months visiting relatives. Mr. Stauch, who was for a long time associated with several growers of Chicago, was welcomed by all. He expects to return to Nashville shortly, although undecided what he will do on his arrival.

P. M. Brodbeck of Evanston, Ill., had a most unfortunate experience a few weeks ago, owing to one of the illuminating gas pipes breaking, which for the time destroyed his entire Rose crop. The plants are now recovering from the effects, however, and the Roses are just coming into crop.

Rojhan, the West Side florist, is rushing along a new greenhouse, offices, and men's quarters, to be ready for the Spring rush.

George Asmus says that while he had a pleasant visit to Rochester, New York the past week, to attend the executive meeting of the S. A. F., it was a case of work for four days and nights.

Damm Brothers of 2440 N. Irving ave., have their Lilies in just right. The force from Zech & Mann spent last Sunday at their place, packing Lilies for their shipping orders that were sent direct from the greenhouses to customers.

Frank Oechslin is among the fortunate growers this season, getting all his Lilies flowered in time for Easter.

Albert T. Hey of Maywood is another fortunate who has landed his crop.

E. A. Kanst and wife were summoned by telegraph to Minneapolis, Minn., last Friday, March 18, through the illness of Mrs. Kanst's mother, who is in a critical condition.

The preliminary premium list for the exhibition of the Chicago Horticultural Society for the Fall of 1910 has been

BOSTON—Continued

opened recently and are doing a good business.

John J. O'Brien has been at 82 Beacon st. for the past two years, coming to the above place from Boylston st., where he was located for several years previously. The store is a little below the level of the street, and a little way back, which gives a splendid chance to display plants. He makes a specialty of twig baskets, which sell well. He uses a large shipping tag and is a firm believer in advertising himself as much as possible in this way.

James Delay has just returned from a business trip. He has been to Long Island, N. Y. and N. J.

John N. Delay has been located at the South Station for the past 11 years; he reports a good transient business.

S. Kozminsky of 8 School st., reports the best trade in 16 years. He made some large handsome pieces recently for the mayor's inauguration exercises.

W. H. Spring at 443 Tremont st., had his window handsomely decorated in honor of Saint Patrick. He reports good business and does a lot of funeral work.

CHRYSANTHEMUMS

Bench Grown Strong Plants

Golden Glow, Pacific Supreme, White and Yellow Bonnaffon, Timothy Eaton,
$3.00 per 100,
$25.00 per 1000.

A. V. D. SNYDER, Seedsman, RIDGEWOOD, N. J.

Please mention the Exchange when writing.

Chrysanthemums

All the Standard Varieties

POMPONS and SINGLES

$2.00 per 100, $15.00 per 1000

Stock guaranteed true to name

GEO. B. HART

24 Stone St., ROCHESTER, N. Y.

Please mention the Exchange when writing.

NEW CHRYSANTHEMUM

Mrs. Jane Cockburn

EARLY PINK

Ready for February and March delivery. Blooms firs week in October. Beautiful mauve pink. Good keeper and shipper.

$6.00 per 100, $50.00 per 1000

Five hundred at one thousand rate.

First come, first served

SAMUEL COCKBURN & SONS

233rd St. and Verio Ave., Woodlawn

NEW YORK CITY

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Polly Rose, Glory of the Pacific, Halliday, White and Yellow Bonnaffon, Robinson, Early Snow, Jennie Nonin.

Rooted Cuttings, $1.00 per 100; 2¼-in. pots, $2.00 per 100; $18.00 per 1000.

Bedding stock ready May 1.

E. L. RILEY, Trenton, N. J.

R. F. D. No. 2.

Please mention the Exchange when writing.

Snow-White Sport of Helen Frick

CHRYSANTHEMUM

From 2¼-inch pots .	$10 00	per 100
Rooted Cuttings . . .	8.00	" "
Unrooted Cuttings . .	5.00	" "

HENRY EICHHOLZ, Waynesboro, Pa.

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A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00.

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

Plant Names, Pronunciation of

This handy little book furnishes a key of the pronunciation of some 4,350 names of cultivated plants, genera and species, and will be found valuable as furnishing a standard to which to refer by all who desire to be correct when they speak of plants. Sent postpaid, on receipt of Fifty cents. Address, The Florists' Exchange, P. O. Box 1697, New York.

F. E.—Best Advertising Medium

issued by J. H. Burdett, secretary. The list is changed but little from those of former years, except that the premiums for cut 'Mums are increased considerably. The list carries a total of $4950 in premiums. Copies can be had by applying to the secretary, J. H. Burdett, 1620 W. 140th ave.

Chester A. Strail, well known in the florist trade, is the republican candidate for alderman of the 24th ward. The election takes place April 5. Mr. Strail was at one time associated with his brother Fred Strail in the florist business. All wish him success.

Letters from Riverside, California, state that Ned Washburn's health is greatly improved since his arrival there three weeks ago.

The A. L. Randall Co.'s force have been so busy with their Easter work that they were compelled to work all day last Sunday.

Bassett & Washburn say that they will have a larger supply of both pink and white Killarney Roses, at Easter than ever before. They have come in crop just right. They also have a magnificent stock of American Beauty Roses; Mr. Washburn says that he is cutting the largest supply on the market.

J. B. Deamud Co. are flooded with advance orders for Easter, and have booked orders for 80,000 Lilies. This house is receiving shipments of Sweet Peas from New York that are far superior to Western stock.

Winterson's Seed Store handled a carload of Ferns and decorative plants last week. Ed. Winterson, it is pleasing to state, is almost fully recovered from his recent illness, although he says he might feel stronger.

At Peter Reinberg's it is said that their standby in the Rose line, Uncle John, is in fine form and color for the Easter demand. This Rose never fails them when there is a scarcity of flowers for special occasions; they can always bank on its being on the spot.

C. W. McKellar says that even though he is receiving from 50,000 to 100,000 Daffodils from the South in a day they are moving off nicely, owing to the high prices of most stock.

Hoerber Brothers say that the outlook for a big supply of stock from their houses at Des Plaines for Easter is very promising. Both Roses and Carnations are in prime condition.

Vaughan & Sperry are also up to their necks with work for their Easter trade, and excellent stock in all lines is always to be found in their busy store.

E. H. Hunt's supply department had a very busy appearance on Monday morning, indicating that their Easter orders are immense in quantity.

W. J. Smyth is displaying a new feature in basket novelties for this Easter—baskets filled with small plants and flowers, among which are conspicuous small chicks and ducklings. They certainly are attracting the attention of the public.

Samuelson is also showing many beautiful baskets of flowering plants, along with magnificent specimen plants in season.

Muir of Michigan ave. has just the windows for a display of all sorts of flowers for Easter, and many novelties in baskets, boxes and pans filled with bulb stock and flowering plants have most prominent positions.

J. F. Kidwell & Bro. also have a good showing of Ferns and decorative plants, but one can find these at this place at all seasons.

Geo. Peiser who was until the past two weeks with Hoerber Brothers is now in the employ of Zech & Mann.

Mrs. Ella Kaber of Laporte, Ind., spent a short time in Chicago, purchasing plants and supplies for Easter trade.

Visitors: J. Litzall, Geneva, Ill.; J. H. Shelton, Rochester, Ind.; W. F. Dimtmann, Beusonville, Ill.; R. A. Latham, Minneapolis; Geo. Vatter, Marinette, Wis.; W. Anderson, Kenosha, Wis.

The many friends of Edward Ladikas were surprised Monday morning to hear of his death, which occurred Saturday evening, through pneumonia, at the Mercy Hospital. Mr. Ladikas, who has been in the employ of J. Mangel as designer for some time, severed his connection a few weeks ago to accept the management of Thomas J. McNally's store, 477 Wabash ave. That he was an artist of no mean ability in designing in all lines of work is acknowledged. Mr. Ladikas took first prize for bridal bouquets at the National Flower Show in 1908. He was also associated with Thorley of New York for ten years. Deceased was born at Chester, N. J., where the body was taken for burial. Mr. Ladikas was unmarried.

That Spring planting has begun to be looked after is evident this week at Vaughan's Seed Store, the entire force being kept on the jump waiting and catering to the trade, both in the mail order department and over the counter.

The Chicago South Side Club held the last of its series of meetings on Thursday evening, March 24. Forestry was the subject for discussion. Mrs. John O'Connor talked on "Trees and Birds"; Jacob H. Prost on "Tree Planting on Our Residence Streets"; Mrs. Aletta W. Goss on "Our National Parks"; and F. L. Brown on "Forestry—Commercial."

It was only by a lucky chance that the Flower Growers' Market was in operation Tuesday morning, or that the growers had any place to display their stock. Between the hours of 10 and 12 o'clock Monday night a fire started in the building, on the fifth floor. The alarm was responded to quickly, and the blaze soon controlled. The fire was confined to the fifth and sixth floors, the lower floors suffering nothing more than a flooding. The origin of the fire is unknown.

Bowling

A tournament for the different leagues took place at Bensingers' Alleys on Saturday evening, March 19. Ernest Farley on the Carnation team in the Florists' League took second honors, making the second highest score in five games single, his highest score in one game being 267. Incidentally, this is the highest score made by anyone in the florists' teams since the establishment of the league. Al. Fisher was also in the money, taking third place. The Florists' League bowled as usual on Thursday, March 17, with the following results:

Roses	725	716	823
Violets	676	801	717
Orchids	792	718	715
Carnations	732	768	763

WHOLESALE TRADE LIST

ASPARAGUS plumosus, 3-in. pots, $5.00 per 100.

ASPARAGUS Sprengeri, 2½-in. pots, $3.00 per 100.

CLEMATIS paniculata, 4-in. pots, $10.00 per 100.

CLEMATIS paniculata, 3-in. pots, $5.00 per 100.

CLEMATIS, 2 year old plants, dormant, $3.00 per dozen; colors, Purple, White and Pink.

DRACAENA indivisa, 4-in. pots, $10.00 per 100.

FEVERFEW, The Gem, 3-in. pots, $4.00 per 100.

DAISY PLANTS, White and Yellow, 3-in. pots, $5.00 per 100; 2½-in. pots, $3.00 per 100.

DAISY, Queen Alexandra, 3-in. pots, $5.00 per 100.

ENGLISH IVY, 3-in. pots, $5.00 per 100.

ROOTED CUTTINGS from soil, $1.00 per 100.

COLEUS, Verschaffeltii, Queen Victoria, Golden Bedder; HELIOTROPE, blue; FEVERFEW; LOBELIAS, double and single blue; ACHYRANTHES; GAZANIAS; GERMAN IVY; AGERATUM.

Cash with order please.

C. EISELE

11th & Westmoreland Sts., PHILADELPHIA, PA

Please mention the Exchange when writing.

Nephrolepis Whitmani

6-in., $5.00 per doz.; 2¼-in., $3.50 per 100.

COLEUS, Verschaffeltii and Golden Bedder, 2-in., $2.00 per 100. ABUTILON Savitzi, 2-in., $2.50 per 100. ACALYPHA Macfeeana, 2-in., $2.50 per 100. ASPARAGUS Sprengeri, 4-in., $5.00 per 100.

W. D ROBERTSON, Oakhurst, N. J.

Please mention the Exchange when writing.

BEGONIA GLOIRE DE LORRAINE

LEAF CUTTINGS. For immediatede delivery. Stock in excellent condition. 100 for $12.00, 500 for $50.00.

Prices for larger quantities on application.

Bay Trees (Standards and Pyramids) Palms

in all sizes; always on hand for immediate delivery.
Write for special wholesale price-list.

New Croton—Fred Sander

A very striking variety. First Awards wherever exhibited.

3 inch pots, $1.00 each, $10.00 per dozen. } Delivery from April 1st
5 " " 2.00 " 20.00 " " }

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LARGEST STOCK of established plants in America. Fresh imported plants from the woods now arriving. Write for prices.

Stove Plants, Box Trees, Blue Spruce and other Evergreens.

Julius Roehrs Co.

Rutherford, N. J.

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THE AMERICAN CARNATION Price, $3.50 Send for Sample Pages

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Tobacco Paper is the STRONGEST, BEST PACKED, EASIEST APPLIED

24 sheets . . . $0.75
144 sheets. . . . 3.50
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1728 sheets . . . 35.10

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Over 40% Nicotine By far the CHEAPEST.

Just Note Prices!

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½ Gallon. . . . 5.50
Gallon 10.50
5 Gallons. . . . 47.25

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"THE EVERGREEN BRAND FLOWER FERTILIZER"

is pure plant food, immediately available. It permanently enriches the soil. It prevents the onslaughts of plant disease, or insects and pests. Can be used at any time during the growing season, dry or in solution.

Put up in 12 pound cans. Price $2.00

For sale by leading jobbers. For further information, address

D. D. JOHNSON COMPANY, 66 Wabash Avenue CHICAGO, ILL.

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Hews Standard Pots

POT MAKERS FOR 140 YEARS

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A. H. HEWS & CO. Inc.

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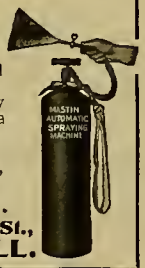
The Mastin Automatic White-Wash and Spraying Machine is Reliable, Practical and Durable

The tank is made of galvanized sheet steel, and in brass.
The pump is of brass throughout, simple and powerful.
The mixing device keeps the contents of the tank well stirred up from start to finish.
When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.
All parts are made to gauge, and may be had for repairs.
Ask your dealer about our Extension Hose, Extension Rods, and the Mastin White-wash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.



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are easy to kill with

The Fumigating Kind Tobacco Powder

$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Please mention the Exchange when writing.

Cattle Manure in Bags

Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
Union Stock Yards Chicago

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Red Standard Pots

We have these in stock from 1 inch to 18 inches What are your needs for the coming Spring? Let us know them and give us an opportunity to quote you. Our goods are equal to the best; to prove it send us a trial order; small as it may be, it will be appreciated. Try us.

THE KELLER POTTERY CO.
213-223 Pearl St., NORRISTOWN, PA.

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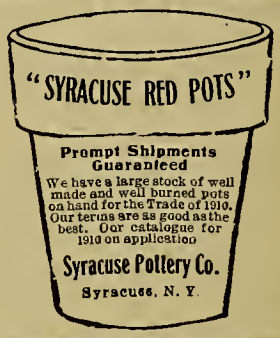

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Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.
ZANESVILLE, OHIO

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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate.				Price per crate.			
1500 2 in.	pots in crate,		$4.25	150 7 in.	pots in crate,		$4.20
1500 2¼	"	"	5.25	60 8	"	"	3.60
1500 2½	"	"	6.00				
1000 3	"	"	5.00	HAND MADE			
800 3½	"	"	5.80	48 9 in.	pots in crate,		$6.40
500 4	"	"	4.60	48 10	"	"	4.80
424 4½	"	"	5.24	24 11	"	"	3.60
320 5	"	"	4.51	24 12	"	"	4.00
210 5½	"	"	3.78	12 14	"	"	4.50
144 6	"	"	3.13	8 16	"	"	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.

August Rolker & Sons, Agts., 51 Barclay St., N.Y. City

The Best BUG KILLER AND BLOOM SAVER

For PROOF Write to

P. R. PALETHORPE CO.
Owensboro, Ky.

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New Bedford, Mass.

Trade the past week has been somewhat better than for the preceding week. Flowers are a little scarce just now. Funeral work has been good. Carnations are a little off crop with some of the varieties; they retail at 50c. and 60c. per dozen. Roses sell at $1.50 and $2 per dozen. Violets are about gone; this has been a fairly good season for them; they retailed at $1 per 100 blooms. Sweet Peas of elegant quality sell at $1 per 100 blooms. Easter Lilies bring $2.50 and $3 per dozen retail. Callas sell at $2 per dozen. Snapdragons bring $1 per dozen.

Asparagus is rather scarce here just now. Wm. S. Brown raises large quantities of this at his Cedar st. greenhouses. He reports a good call for Callas the past Winter.

A. B. Hathaway has lots of Daffodils and Paper Whites.

Plant trade has been very good the past Winter, so far. Thursday the 17th we had quite a heavy snowstorm here, with the mercury dropping away down to 10° above zero. This made heavy firing necessary. The snow did not last very long, however. The weather since has been quite mild.

St. Patrick's Day here does not increase business to any great extent. Wm. Y. Peirce had quite a lot of nice Shamrocks in small pots, which sold at 10c. each. I did not notice any green Carnations anywhere.

There have been a few Spring openings here, which have helped out somewhat.

By the time this is in print, Easter will be almost over. Prospects for a good business look good, as all the industries here are running on full time, and this, coupled with a good supply of flowers, will fulfill expectations.

R. H. Woodhouse will have a big supply of bulbous stock for Easter.

Tulips the past week sold for 50c. retail per dozen, 75c. for double sorts; Narcissus, Single and double, 35c. and 50c. per dozen, and Paper Whites at 50c. per dozen.

Our street fakir was with us again last Saturday, selling Carnations and Violets at very low prices. Some method is to be tried to boost him out.

E. H. Chamberlain is now back again at the store after a week's sickness with the grippe.

Through the local Horticultural Society prizes have been offered for the best kept gardens and lawns the coming season. The local paper, the Evening and Sunday Standard is helping considerably by publishing lists and pictures of plants, flowers and gardens. It is hoped that the people will be greatly interested in this project.

Pansies and Daisies are now blooming here. They are good Spring sellers in this section.

We hope all will have a good and joyous Easter. HORTICO.

St. Louis

Several of the Belleville florists were here last week looking over Easter stock, and they all anticipate a big Easter trade.

Foster Floral Co. had the big decorations at the Schrugg's department store which, Fred says, was a big job.

The decorations at Barr's last week were furnished by the C. Young & Sons Co. This firm is surely making great Easter stock displays at their retail store.

Several of the leading retailers are contemplating buying automobiles this Summer; the first to come out with a fine touring car is Fred C. Weber.

Mrs. Wm. Ellison, in company with her son Harry, visited Chicago recently to place their orders for Easter.

The A. Brix Floral Co. is again in possession of the Mead ave. greenhouses, having sold them only a month ago; the man who bought them went back on his bargain.

Along Grand ave. the florists are making great Easter displays this week. Among them are Walbart, Ayers, Bentzen, Windler and Bergesterman. In the West End, Weber, Kalish, Ellison, Windt and Miller have their show houses filled with extra fine quality of blooming plants for the Easter rush. Sanders, in the extreme western end, has extra fine Lily plants, also other blooming plants, from which the trade bought heavily.

The Retail Florists' Association held its second meeting at Washington Hotel, Wednesday, March 16, and perfected an organization by electing the following officers: C. C. Sanders, president; Theo. Miller, vice-president; F. C. Weber, secretary; R. J. Windler, treasurer; Max Herzog, sergeant-at-arms. The only business before the meeting was the consideration of the answers from all four of the wholesalers who responded to a letter sent them, saying that they have never sold at retail and assuring the retailers they would not do that kind of business. It is said that the crape pullers would next get a hearing. After the meeting the thirteen who attended sat down to a nice lunch; the next meeting will be called in two weeks.

The Executive Board of the Horticultural Society held a meeting on Tuesday, March 15, at the M. A. Club rooms to talk over plants for a Fall flower show; the board will meet once a month.

The Lady Florists' Home Circle met on Monday, March 14, at Trimp's Hall for their regular monthly meeting. Miss T. Meinhardt entertained the members with a reading from De Koning's history of 1635 on the Tulip trade. After the meeting adjourned a few games were bowled by the ladies, and a lunch was served. The next meeting will take place April 11, when a full attendance is expected. Miss Birdie Meinhardt was elected to entertain.

Secretary L. P. Jensen of the Engelmann Botanical Club has issued notices for a meeting of the Club to be held on Monday night, March 14, in the Botanical Laboratory of the Central High School. Prof. William Trelease of Shaw's Gardens will be the principal entertainer and will give an interesting illustrated talk on "The Development of Botany." ST. PATRICK.

Detroit

By the time these lines appear in print the reason for the prevailing good cheer among local florists will have become a fact.

Lent is almost passed and, having produced a substantial increase in business which, with some, amounts to over 50% of last year's Lenten business, it is only natural that we all feel good.

The outlook for Easter is excellent. With the ideal weather conditions now prevailing it will be more a matter of preparation to handle the increased volume of business and having sufficient stock to do it with.

The general watchword will be all hands "push hard." FRANK DANZER.

Probably no other field of undeveloped natural resources in all the domain of diversified production offers richer and happier results than does nut culture.

The advent of the budded and grafted Pecan has removed the greatest uncertainty in the Pecan industry. One may now not only be sure that his trees will bear, but that they will do so at a reasonable early age. And further he may know that the quality of the product he will have something that is worth while.

Estimates Cheerfully Furnished **S. JACOBS & SONS** Get Our Prices and Catalogue

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Clear Gulf Cypress GREENHOUSE MATERIAL

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LATEST UP-TO-DATE

Twin-Section Boilers Pipe, Fittings, Valves

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WE INVITE COMPARISON

Everything for Erection

We carry the largest stock of **HOT-BED SASH** In the United States

Our New **VENT APPARATUS** Will Lift Easy 100 Feet

DOUBLE LIGHT **HOT-BED SASH** Requires No Covers

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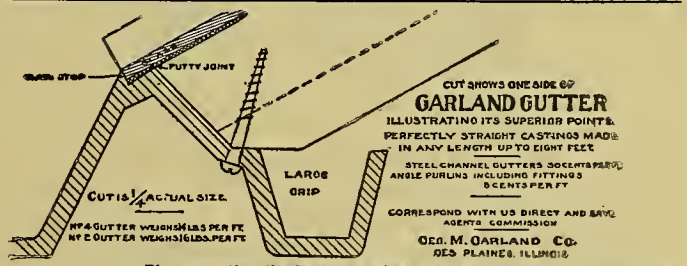

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The Week's Work

BY FRITZ BAHR

After Easter

Reminders for March 28

The man who has nothing outside of a store to demand his attention will have a breathing spell after Easter. Not so with the retail grower—he will be busier than ever on Monday, March 28. Every day counts. We have had Geraniums in 2½'s on the side benches awaiting a shift for several weeks. The propagating bench is filled with rooted cuttings, Heliotrope, Coleus, Cupheas, Ageratum and dozens of other varieties. These have all been ready, for some time, for pots, but the Easter stock has had the stage up to now. There is just one course to follow now, in order to get the best possible results, and that is to let every hand pitch in to get things in shape. Hire sufficient help to complete the work; it isn't necessary that every man should be experienced, any handy young fellow can carry pots and soil, and two or three good plantsmen can keep quite a few helpers busy. A good many plants can be shifted in a day. Nothing is gained by having two men trying to accomplish what would be considered work enough for four; make an effort to get sufficient help and push the work through as quickly as possible. A good part of the secret of success with the grower lies in doing the right thing at the right time; a few days too long in the cutting bench may stunt the young plants to such an extent that it will take weeks to get them into shape again.

Carnations

The Late Propagated Stock

It is still in order to propagate Carnations, especially for the grower who has a light sandy soil in the field. We have a stiff clay and find that only the early propagated stock, such as comes out of 2½" and 3" pots and which had been pinched back, will make suitable plants for housing in July and August. Growing the stock indoors entirely is all right for the specialist or the man who has plenty of bench space. With the average retail grower, whose room is limited and who has to rely on a bedding plant trade during the Spring months, which demands a great deal of bench space, field culture will be practiced for a long time yet to come; and, after all, it would seem that the change into the open, for the roots to get into deep cool sweet soil, ought to be of benefit to the plants—it is hard to convince me differently. I have seen growers take rooted cuttings and plant them right into the field, into a sandy, light soil, and get splendid bushy plants by August 1. In a heavy clay soil you cannot do this, but the plants you do lift, which were planted out about May 1 from 2½'s, while rather small are stocky and will make the best of stock for planting into the benches; in fact, they are away ahead of plants which have made a soft rank growth, such as have to be nursed for weeks before they get re-established again.

Geraniums

The Final Shift of the Spring Stock

We don't believe in giving the 2" or 2½" Geraniums a shift into 4's, as a rule, and yet at this time of the year it seems like a waste of time and money to do otherwise. If you have strong 2½" stock it would be folly to shift it into 3½'s only to give another shift in about three weeks from now. No! by all means use the 4's, only don't put anything in a 4 that doesn't belong to that size. It shouldn't be the principal idea just how many 4's a certain bench contains, but rather how many good ones—that's what counts, no matter what we grow, what salable stock we carry. If a 2½" Geranium is not fit to go into a 4" pot why make it? Don't! Wait until it is, or use a 3½". Now, about repotting the plants. A good deal has been and will be written on this subject. Most every one of us has a way of his own, slightly differing from each other's; however, on certain principles we all agree, and with a Geranium the three main things to observe are a rather heavy soil, firm potting and good drainage. The heavy soil and the firm potting make the drainage a necessity. A Geranium in a light soil will grow more rank than in heavy soil, and at the same time will bloom later and not as well. Many of us have learned that by experience. It is getting rather late, if you expect to grow good stock, to pinch back any of the young stock in order to get more

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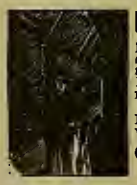

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cuttings. Use the old stock plants for this purpose, cuttings taken now will still make nice 2½" stock, if they are not too soft. Pot them right up into 2½'s in a sandy soil—they will root in 12 to 15 days.

Late Struck Cuttings.

While it would be too late to propagate Geraniums now and expect good sized plants by the middle or end of May, if there are any cuttings suitable for that purpose on hand they should certainly be made use of. If propagated now, they will make excellent 2½" stock in six weeks. Such as are in bloom by that time can be made use of, often, in baskets or small vases where a 3½" or 4" pot plant would, perhaps, be too large. We have had seasons where a batch of such stock helped out considerably. Again, such plants make the very best material for stock to be planted out in the field, in fact, I would just as soon have it as the larger plants. It hurts just a little bit to have to set aside good salable 4" pot plants for stock, especially when a good price is offered, and yet if we want cuttings for another year it has to be done. If, however, a good number of the different varieties wanted are propagated now, the little plants will not take up much room and may be planted out early, and if at all attended to during the Summer they will furnish any amount of cuttings for September and October propagating. I am sure that almost every retail florist who grows even a few thousand Geraniums will have stock at this time of the year which will furnish good cuttings, without in any way hurting the plants; any 3½" or 4" plant from which a cutting is taken now will have plenty of time to grow, in fact, many will be benefited by being pinched back.

The Cannas

Starting the Main Batch

The starting of the Cannas is usually well under way with us before April 1, so that they may come along under the benches ready to be potted up by about April 20, at a time when all the Geranium and Salvia plants have had their final shifts. Use a little care when bringing the field grown clumps to the potting bench. It needs only the very least careless handling to break off a number of the young shoots, they snap off almost by looking at them, and this is costly. Carefully remove the soil and with a sharp and large enough knife cut the roots into pieces with one or two good live eyes each. As they are being cut we put the pieces into three different piles, according to their sizes. It is as well to shorten some of the roots, for the old ones don't amount to anything, new ones have to form. We use flats about 3 inches in depth, the bottoms covered with one-half an inch of sandy soil, on which we place the roots closely; afterward they are covered with the same material and the flats are placed on the hot water returns. I don't know but what this method is about as good as any for the average retail grower who has his own field grown stock. I prefer it, certainly, to the method of some growers, who pot up their stock at once and wait for weeks before they get any growth started, the pots at the same time occupying valuable bench room.

Propagating

Keep on with the Bedding Stock

It is a good time now to fill up, once more, every inch of space in the propagating bench with cuttings of bedding stock. Heliotropes struck now will make the very best plants for 4" pots by the middle of May, so will Ageratums. It is just the right time for Verbenas, if they are to be grown from cuttings. Cupheas, Petunias, Lobelias, Salvias and many other plants we use for our Spring sales can be propagated now and will make good stock in a few weeks after being rooted. Many of these, like the 2½" Geraniums, might come very handy before the season is over. Frequently we have early shipping orders, which call for stock out of 4" pots, in early May; this will afford a splendid opportunity to give some of the late propagated stock, which by this time is in 2½'s, a shift into 4's, to take the place of the stock sent out, where in three to four weeks, long before the close of the season, they will have had a chance to grow into good plants. For that reason the retail grower should keep right on using the propagating bench, as well as sow seeds of such plants as Salvia, Verbena and others. If the resulting plants are not all disposed of not much harm is done, but should there be a demand for them it will certainly more than pay for all the trouble taken; so keep on, you can only sell bedding stock during Spring; be prepared for a good season.

Kalamazoo, Mich.

St. Patrick's Day with its attendant banquets, green Carnations, and evening dances, used up quite a quantity of flowers and all the downtown florists report a good week of business. The weather still continues favorable for transient trade though perhaps a little too warm for those whose stock is well advanced for Easter.

Business for this week promises well and already many good orders are booked. Mr. Fisher says his orders exceed those of previous years and he has already engaged big shipments of Lilies in pots and Easter plants of all kinds.

The cut flower trade, both here and at Battle Creek, he reports as being in very promising condition and the firm looks for a record breaking Easter.

Van Bochove's will, as usual, have an immense stock to dispose of and are making elegant displays at the store. I am told the Central Nursery Co. have engaged a big store on South Burdick st., well located.

Stock for Easter is, generally, in good shape and prices quoted are reasonable. Lilies, 12½c. to 15c.; Roses, Teas, $6 to $10 per 100; Carnations, $3 to $5 per 100; Violets, 75c. to $1; Sweet Peas, 75c. to $1. Bulbous stock, $3 to $4 per 100.

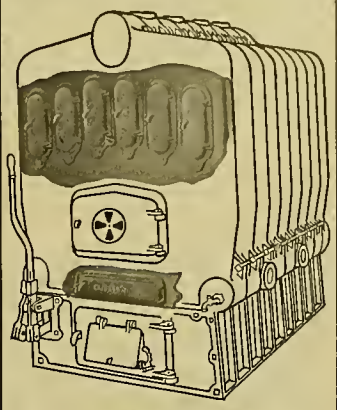
Retail prices will not advance much; good Lilies will fetch 20c. per bud and bloom; Roses, $1 to $2 per doz. Carnations, 50c. to 75c. per doz.; Violets, 25c. per bunch; Sweet Peas, 15c. per doz.; Bulb stock, 50c. to 60c. per doz.

Pot plants are in ample supply and no advances will be made on these. Fine weather is needed for a few days longer in order to make Easter of 1910 a hummer. S. B.

Remedy for Snails

In further answer to Question 74, asking for a remedy for snails infesting greenhouse benches, I have to suggest putting small dishes filled with beer, lager or ale, it makes no difference which; place these dishes at night between the plants suffering from snails, and the next morning you will find the snails dead. W. V. NIEUWKERK, N. J.

The Burnham



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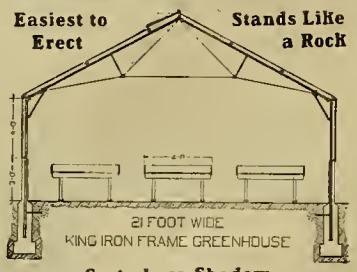

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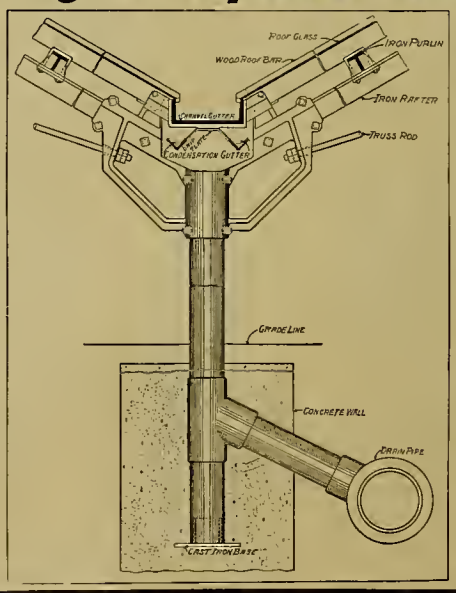

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Strong, Dormant Roots, same varieties, $2.00 per 100, $12.00 per 1000.

King Humbert, 3-in. pot plants, $6.00 per 100.

	Per 100	2-in. 1000	3-in. 100
HARDY CHRYSANTHEMUMS, good varieties	$2.00		
APPLE GERANIUMS	2.00		$4.00
ALTERNANTHERA, red and yellow	2.00	$18.50	
ALYSSUM, Dwarf and Giant Double	2.00	18.50	3.00
COLEUS, Golden Bedder and Verschaffeltii	2.00	18.50	3.00
GERMAN, or PARLOR IVY	2.00		
GERANIUMS, Standard varieties	2.00	18.50	3.00
GERANIUMS, Ivy-Leaved	2.00	18.50	
FUCHSIAS, six varieties	2.00	18.50	3.00
LANTANAS, five varieties	2.00	18.50	3.00
LEMON VERBENAS (Aloysia Citriodora)	2.00	18.50	3.00
PETUNIAS, Double Mixed Colors	2.00	18.50	3.00
PETUNIAS, Dreer's Superb Single	2.00	18.50	3.00
VERBENAS, Red, White, Pink and Purple	2.00	18.50	3.00
SWAINSONA alba	2.00		
LOBELIA, Kathleen Mallard and Newport Model	2.00	18.50	
ASTERS, Vick's, Early and Late Branching, Select Colors; Strong, Transplanted Plants	2.00	18.50	

DAHLIA ROOTS, 5000 Mixed to Color, $4.00 per 100, $35.00 per 1000.

DAHLIA ROOTS, Jack Rose, Ethel Schmidt, Sensation, Fringed 20th Century, Fringed Beauty, Gladys, Rose Pink Century, Big Chief, at $3.50 per doz., $25.00 per 100.

Cash with order. Visitors always welcome.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

Please mention the Exchange when writing.

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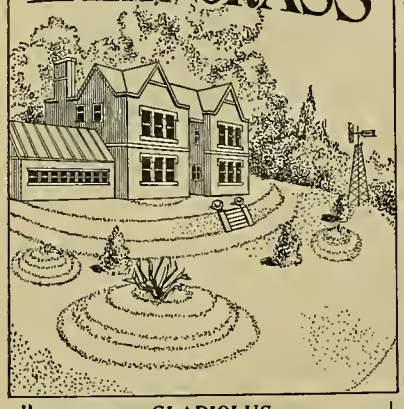
LAWN GRASS



Elliott's Lawn Grass Seed

Put Up in Lithographed Cartons for Counter Trade

Pints $4.00 per 100
Quarts $7.00 per 100

BEGONIA, Tuberous-Rooted

	Doz.	100
Single White	$0.50	$2.50
Red	.50	2.50
Rose	.50	2.50
Yellow	.50	2.50
Orange	.50	2.50
Mixed colors	.40	2.25
Double colors, separate or mixed	.60	4.00

CALADIUM ESCULENTUM

Medium	1.00	8.00
Large	1.25	10.00

CINNAMON VINE

Extra Large roots	.35	2.00

GLOXINIAS

	Doz.	100
Mixed	$0.60	$3.50
Separate Colors	.50	3.50

DAHLIAS

Double Large-flowering and Cactus, leading varieties, mixed	1.00	6.00

LILIES

Auratum ..Per 1000, $72.50..	1.25	8.00
Speciosum, Album	1.25	9.00
Rubrum or Roseum	1.25	8.25

MADEIRA VINE

Extra Strong Roots	.30	2.00

TUBEROSES

Dwarf Double Pearl (Excelsior) 4x6 in....1000, $8.00		1.00

GLADIOLUS

	Per 100	1000
America. Soft flesh-pink..$6.00		
Augusta. Lovely pure white, with blue anthers	2.50	$20.00
May. A lovely pure white flower, finely flaked bright rosy crimson	2.50	20.00
Red and Scarlet, mixed	1.25	10.00
White and Light	2.00	18.00
Pink, mixed	1.75	16.00
Yellow and Orange, mixed	3.50	30.00
Striped and Variegated, mixed	2.50	20.00
Fine mixed, all colors	1.00	8.00
Lemoine's Hybrids, mixed. First size	1.75	15.00

WM. ELLIOTT & SONS 42 Vesey Street NEW YORK

Please mention the Exchange when writing.

New Double Lobelia

"KATHLEEN MALLARD"

We can furnish excellent plants of this splendid novelty in 2½-inch pots, at $6.00 per 100, or $50.00 per 1000.

RAWSON'S LEADING ASTERS

QUEEN OF THE MARKET ASTER

This is the best early out-of-door Aster. In colors as follows: Dark Blue, Light Blue, White, Rose, Peach Blossom, Crimson, per ¼ oz., 20c.; per oz., 60c. All colors mixed, per ¼ oz., 15c.; per oz., 50c.

RAWSON'S NEW MIDSUMMER ASTER

This is one of the best Asters for Midsummer or late crop and we recommend it highly. Flowers are large and are borne on erect long stems, often 2 feet in length. We offer the following colors: Pure White, Delicate Shell-Pink, Royal Purple, True Lavender, and Bright Rose, per ¼ oz., 60c.; per oz., $2.00. All colors mixed, per ¼ oz., 50c.; per oz., $1.50.

RAWSON'S LATE BRANCHING ASTER

This is the best American Branching Aster grown to-day. It is a late cropper and a money-maker. Flowers grown from our seed invariably bring from ½ to 1c. a flower more in the wholesale market than other similar strains. We can furnish the following separate colors: Crimson, Dark Blue, Light Blue, Rose Pink, Shell-Pink, Scarlet, and White, per ¼ oz., 30c.; per oz., $1.00. All colors mixed, per ¼ oz., 25c.; per oz., 75c.

We have many other good strains of Asters and specialties for Florists all described in our special catalogue to florists (mailed free).

W. W. RAWSON & CO., SEEDSMEN BOSTON, MASS.

Please mention the Exchange when writing.

Special Gladiolus Offer

AMERICA

A few points of merit—Color: A beautiful soft flesh pink, very light and much like "Enchantress" Carnation, except slightly tinged with lavender. Size: growth very strong and healthy, producing beautiful dark green foliage, and strong, erect spikes of the largest flowers. Purposes: For florists' use its color makes it everything to be desired; delicate, attractive and absolutely new. It is most desirable for planting in beds in parks, private estates, etc.

AMERICA. The best commercial pink in existence. 1st size bulbs, 100, $4; 1000, $30; 5000, $126.

ATTRACTION. Deep, dark, rich crimson with a very conspicuous large pure white center and throat. At once a most beautiful and attractive sort. 100, $4.00; 1000, $35.00.

AUGUSTA. Lovely pure white with blue anthers. 1½ to 2½ inches. 100, $2.25; 1000, $20; 5000, $90.

BLUE JAY (Baron Hulot). The finest blue Gladiolus yet seen. It is a rich deep color of indigo shade. The only real blue Gladiolus on the market. 100, $9.00; 1000, $75.00.

BRENCHLEYENSIS. Extra fine red variety. 1½ to 2½ inches. 100, $1.60; 1000, $12.00; 5000 $55.00.

COLUMBIA. Light orange scarlet, freely blotched and pencilled with bluish-purple. Throat freely mottled. 100, $2.00; 1000, $15.00; 5000, $70.

Gladiolus America

CERES. Pure white, spotted with purplish rose. 100, $1.50; 1000, $12.00; 5000, $55.00.

MAY. A lovely pure white flower, finely flaked, bright rosy crimson. 100, $2.00; 1000, $16.00; 5000, $70.00.

NEZINSCOTT. Bright blood scarlet, with deep velvety crimson black blotches, and white mottlings in throat. 100, $4.00; 1000, $30.00; 5000, $146.00.

PRINCEPS. Rich crimson with very deep shadings in the throat and broad blotches on lower petals. 100, $10.00.

SALEM. Fine salmon-pink, maroon blotches. 100, $6.00; 1000, $40.00.

SULPHUR KING. The finest yellow Gladiolus. 100, $15.00; 1000, $140.00.

GLADIOLUS IN MIXTURE.

	100	1000	5000
Trial Grounds Mixture	$1.50	$10.00	$45.00
Groff's Hybrids Mixture	1.50	12.00	58.00
White and Light Mixture	1.50	12.00	58.00
Pink and Rose Mixture	1.50	12.00	58.00
Red and Scarlet Mixture	1.50	12.00	68.00
Lemoine's Extra Fine Mixture	1.00	10.00	45.00
American Hybride Mixture	1.00	8.00	36.00
Childsii Mixture	1.50	12.00	58.00

Stumpp & Walter Co.'s High-Bred Asters

Asters are our specialties, and great care is taken to have only the best and those that will give the greatest satisfaction. We have been very highly complimented on the choiceness of our strains.

ASTER. Queen of the Market. This is the earliest of all, fully three weeks earlier than other Asters. Selected stock.

	Tr. pkt.	¼ oz.	Oz.
White	$0.10	$0.15	$0.60
Crimson	.10	.15	.60
Rose	.10	.15	.60
Light blue	.10	.15	.60
Dark blue	.10	.15	.60
Flesh color	.10	.15	.50
Lilac red	.10	.15	.60
Mixed	.10	.15	.40

ASTER. S. & W. Co.'s Selected Late Branching. One of the best branching Asters for cut flowers. Our strain of this splendid Aster is grown specially for us, with the greatest care.

	Tr. pkt.	¼ oz.	Oz.
Pure white	$0.20	$0.30	$1.00
Lavender	.20	.30	1.00
Purple	.20	.30	1.00
Crimson	.20	.30	1.00
Shell pink	.20	.30	1.00
Rose	.20	.30	1.00
Carmine	.20	.30	1.00
Mixed	.10	.20	.75

ASTER. Hohenzollern. Excellent robust new class, with enormous flowers, superb for cutting and exhibiting; flowers often measuring 6 to 8 inches in diameter.

	Tr. pkt.	¼ oz.	Oz.
White	$0.25	$0.75	$2.00
Rose	.25	.75	2.00
Dark blue	.25	.75	2.00
Crown Prince	.25	.90	3.00
Syringa blue	.50	1.50	5.00
Mixed	.25	.75	2.00

ASTER. Purity. One of the finest white Asters grown, either for pots or cutting. Trade pkt. 25c., ¼ oz. 75c., oz. $2.50.

ASTER. Daybreak. Counterpart to Purity, with a fine rose color similar to Daybreak Carnation; very fine. Trade pkt. 25c., ¼ oz. 75c., oz. $2.50.

ASTER. Giant Comet.

	Tr. pkt.	¼ oz.	Oz.
Pure white	$0.25	$0.75	$2.00
Dark blue	.25	.75	2.00
Light rose	.25	.75	2.00
Mixed	.20	.60	1.75

ASTER. Hercules. White. Remarkable new introduction, semi-dwarf, huge pure white flowers of most refined shape; the best white flowering Aster we have ever seen. Pkt. 25c., ¼ oz. $1.00, ½ oz. $3.50, oz. $7.00.

ASTER. Splendor. Upright flesh pink. In this variety we have one of great value. It has many qualities which commend it highly, not only in the habit of growth, but in size, form of flower, and in color, which is one of the most desirable in an Aster, being of a beautiful light flesh pink, a shade which can be used in nearly all floral work. The plant has the ideal habit of an upright growing sort. Pkt. 25c., ¼ oz. $1.75, oz. $6.00.

ASTER. Vick's Violet King. The peer of the grandest Chrysanthemum. The habit is similar to the popular Vick's Branching, vigorous in growth, long, stiff stems; petals somewhat resemble the quilled varieties but much larger and broader, completely covering the crown. In shape and size the bloom is round, full and large, many of the flowers 4 to 6 inches. Its color is a soft violet-lilac. Trade pkt. 25c., oz. $1.60.

Stumpp & Walter Co. 50 Barclay St. NEW YORK

Please mention the Exchange when writing.

Do you need

Cycas Stems

(Sago Palm)

TRUE LONG-LEAVED VARIETY

Pounds	Per pound
10	10c.
25	8c.
100	7½c.
300 (case)	$21.00.

Double Pearl

TUBEROSES

Sure Blooming

90c. per 100; $7.00 per 1000.

JOHNSON SEED CO.

217 Market St., Philadelphia, Pa.

Please mention the Exchange when writing.

Seasonable Seeds

CALADIUM esculentum, Fancy Caladiums from Brazil.
GLADIOLI, all sorts. **Japan IRIS. Japan LILIES.**
Double-flowering **CHERRIES.**
Send for our new Spring list.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.

XXX STOCK

LOBELIA, Blue Star, the new, dwarf, single blue; the finest in existence, extra strong and fine, 2-in., $2.00 per 100.
AGERATUM Princess Pauline, very fine and strong, $2.50 per 100.
VERBENA California Giant, strong and fine, mixed colors, 2-in., $1.50 per 100.
HELIOTROPE, dark, extra strong and bushy, 2½-in., $4.00 per 100.
STAR PETUNIA, XX Strong, 2¼-in., $3.00 per 100.
PHLOX, Finest Dwarf Mixed, strong 2-in., two in pot, $1.50 per 100.
SALVIA, Bonfire, finest grown, strong 2-in., $2.00 per 100.
GIANT PANSIES, finest mixed, extra fine plants, $2.50 per 1000.

XXX SEEDS

GIANT PANSY, finest grown, critically selected 5000 seeds $1.00, ½ pkt. 50c., oz. $2.50.
CHINESE PRIMROSE, finest grown, single and double, 500 seeds $1.00, ½ pkt. 50c.
PRIMULA Kewensis, the grand, new, sweet-scented, Yellow Primrose, pkt. 20c.
CINERARIA, large flowering dwarf mixed, 1000 seeds 50c., ½ pkt. 25c.
CASH. Liberal extra count.

JOHN F. RUPP, Shiremanstown, Pa.
RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.
Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

Try The Following

CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Gigaoteum.
MIGNONETTE—"New York Market."
PANSY—"Burnett's Gorgeous Strain."
STOCKS—"Burnett's Perpetual White."
CAULIFLOWER—Burnett's Selected "Snowball."

Write for our Illustrated Catalogue

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

SWEET-PEAS

Special offer of leading varieties for Florists.

	Lb.
Blanche Ferry. Extra early. pink and white	$0.25
Countess of Radnor. Lavender	.25
Countess Spencer. Giant flowering pink	.70
Dorothy Eckford. The best white of the standard vars.	.25
Duke of Westminster. Clear purple	.25
Gladys Unwin. Giant flg., soft pink	.40
King Edward VII. The best red variety	.25
Lady Grisel Hamilton. The best Lavender var.	.25
Primrose Spencer. Primrose yellow	1.00
Sulopian. (Sun proof) scarlet, very large	.25

WEEBER & DON, SEED MERCHANTS and GROWERS
114 Chambers St., New York

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WINTER FLOWERING SWEET PEAS

ALL COLORS
SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

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SPRING BULBS

Tuberoses

EXCELSIOR PEARL—

	Per 100	1000
Monsters	$1.25	$12.00
No. 1, large	.90	7.50
No. 2	.50	4.00

Tuberous Begonias

	Per doz.	100	1000
Single Mixed	$0.30	$2.25	$22.00
Separate Colors	.35	2.50	22.00
Double Mixed	.50	4.00	27.00
Separate Colors	.50	4.25	28.00

Gladiolus

PLORACROFT MIXTURE—

	Per 100	1000
No. 1	$1.50	$10.00
No. 2	1.00	7.50

STOKES' SEED STORE
219 Market St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

CAULIFLOWER CABBAGE SEED

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

Thorburn's Seeds

HIGHEST GRADE ONLY

Send for special wholesale catalogue for Market Gardeners and Florists

J. M. THORBURN & CO., 33 Barclay St. New York

Please mention the Exchange when writing.

SCHLEGEL & FÖTTLER CO.

BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

AMERICAN SEED TRADE ASSOCIATION

President J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec. Leonard H. Vaughan Chicago.

IMPORTS, ETC.—March 22, 1910.—American Shipping Co., 5 cases plants; C. Abel & Co., 22 cases bulbs; W. Elliott & Sons, 4 cases plants; Elizabeth Nursery Co., 2 cases plants; W. Elliott & Sons, 18 cases plants; Fruit Auction Co., 3 cases plants; L. Gillier & Co., 9 cases plants; O. G. Hempstead & Son, 2 cases plants; A. Murphy & Co., 7 cases plants; J. M. Thorburn & Co., 4 bags seeds; Maltus & Ware, 28 cases plants; Hussa & Co., 1 case plants; Kennedy & Moore, 11 cases plants; Norton & Son, 27 sacks seed; H. M. Baker, 110 bags Flax seed; F. B. Vandegrift & Co., 54 cases plants; H. F. Darrow, 1 case living plants. March 23.—Maltus & Ware, 1 case seeds. March 24.—E. D. Crossmond & Co., 2 cases plants; O. Baldwin & Co., 5 cases plants; J. W. Hampton & Co., 22 cases plants; Vaughan's Seed Store, 9 cases plants; G. W. Sheldon & Co., 36 cases plants, 55 packages seeds; F. B. Vandegrift & Co., 106 cases plants; McHutchison & Co., 18 cases plants. March 25.—H. M. Baker, 190 bags Clover seed; U. S. Despatch Agent, 1 case plants; F. B. Vandegrift & Co., 2 cases plants. March 26-27.—Perry, Ryer & Co., 16 packages plants. March 28.—C. C. Abel & Co., 23 cases bulbs; H. F. Darrow & Co., 1 case plants; W. M. Elliott, 24 cases plants; Palisades Nursery, 2 cases bulbs.

European Notes

Two days ago we were summering in the brightest and most beautiful weather we have enjoyed since the few fine days at the beginning of last September. Today we are dodging heavy snowstorms and icy winds that fairly nip us up, and can hardly be beneficial to the newly opened buds and tender seedlings.

In the meantime the work of sowing both annuals for 1910 and biennials for 1911—Cabbages—goes on apace and, except where the land is still buried under water, we are considerably ahead of last year.

As the water-logged land contains many of our most valuable plants, we are still very anxious as to the final outcome, but as the rivers are now subsiding very rapidly we hope that there will not be an entire loss. EUROPEAN SEEDS.

American Notes

A Splendid March Trade

Without exception, the entire seed trade would seem to be agreed that not in years, if ever, has a more satisfactory March business been experienced. Ev-

"Horseshoe Brand" Products

"NOT HOW CHEAP— BUT HOW GOOD"

Do you invest in Lily Bulbs, or do you speculate? In buying Lily Bulbs at random you are merely speculating, and speculation has never been known to pay in the long run. The success of your business may be ruined by speculation. You must have good Lilies or you had better have none. They must be good every season and not just once. If you want to make a conservative investment in Lily Bulbs for Easter, 1911, buy Horseshoe Brand Lilium Giganteum—the best the market can afford.

Write us or call

RALPH M. WARD & CO.

12 West Broadway—New York

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

A Bargain

IRIS Superior Stock 2-3 Eye Pieces

"Kaempferi or Japanese"

DOUBLE

Gold Bound. Pure white, one of the best.

Mahogany. Dark red, shaded maroon.

Oriole. Rich plum, marked yellow.

Pyramid. Lilac blue, veined, white center each petal.

SINGLE

Apollo. Pure white, pink center.

H. Von Sieboldt. Reddish, veined white, yellow center, **$3.00** per 100.

Lavender Queen. Fine lavender.

Ondine. White, shaded light blue toward center.

Above named sorts, except where noted: **$6.00** per 100; **$50.00** per 1000.
Double and Single Varieties Mixed: **$3.50** per 100; **$30.00** per 1000.
SEEDLINGS: Some beautiful colors, all very fine.
$4.00 per 100; **$30.00** per 1000.

"Germanica"

Candiamus. Light lavender; falls reddish purple.

Florentina. Creamy white, fragrant and early; fine for cutting.

Fragrance. White edged with blue; falls white with blue penciling.

Honorable. Intense yellow, falls a beautiful bronze. **$10.00** per 1000.

Innocence. White, edged with blue.

Madam Chereau. Pure white, edged with azure blue; falls deep white with blue penciling.

Neclecta. Upright, fine blue; falls deep blue. Large flower.

Parkmani. Uprights pure lemon; falls white veined purple.

Queen of the Gypsies. Dusky light bronze; falls purplish red.

Sans Souci. Yellow, elegantly reticulated light maroon.

Named varieties, except where noted: **$3.00** per 100; **$25.00** per 1000.
Mixed: **$2.00** per 100; **$15.00** per 1000.
250 at 1000 rate. 8% disc. for cash with order.

JOHN LEWIS CHILDS
Floral Park, N. Y.

Please mention the Exchange when writing.

Direct Importations

AT FOREIGN GROWERS' PRICES

From BELGIUM **From HOLLAND** Palms, Araucarias, Bay Trees, Azaleas Indica, etc. Boxwood, Rhododendrons, pot grown Shrubs for forcing, etc., etc.

From GERMANY Valley Pips. Early or late forcing.

From ENGLAND English Manetti selected for grafting.

From JAPAN Lilium Longiflorum Giganteum, Multiflorum, etc.

Full list of Japanese, Holland, English and French Nursery Stock

Write for catalogues, special lists, etc., mentioning the class of stock you are interested in.

RAFFIA 5 grades. Bale lots only.

Our business is import and wholesale only. Don't write unless you use sufficient to make direct separate importations

McHUTCHISON & CO.
17 MURRAY STREET Please mention the Exchange when writing. **NEW YORK**

Please mention the Exchange when writing.

An extra fine lot of

Asparagus Roots

Giant Argenteuil and Palmetto; the two best varieties.

Two years old, 50c. per 100; $3.50 per 1000.
Extra heavy, 75c. per 100; $4 50 per 1000
One year old, 40c. per 100; $3.00 per 1000.

J. T. LOVETT, Little Silver, N. J.

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

Stock Seed
Fiske's Branching in all colors. Tr. pkt. 40c., oz. $4 00.
Pure White. tr. pkt 50c., oz. $5.00.
Also **Beauty of Nice** strains.
H. E. FISKE SEED CO., Boston, Mass.

Please mention the Exchange when writing.

VEGETABLE PLANTS

	Per 100	1000
Beet Plants	$0.20	$1.25
Egg Plants	.40	2.00
Pepper Plants, Bull Nose, Sweet Mountain and Ruby King	.40	2.00
Tomatoes, Small Plantsof Earliana, Early Jewel, Dwarf Stone, Champion, Ponderosa and Matchless	.30	2.00
Tomatoes, Small Plants of Stone, Paragon, Favorite and Success	.20	1.00

R. Vincent, Jr. & Sons Co., White Marsh, Md.

Please mention the Exchange when writing.

The book of WATER GARDENING

By Peter Bisset. Price, postpaid, $2.50

A. T. DE LA MARE PTG. & PUB. CO. Ltd

2 Duane St. New York.

ery line of seed selling steadily through the whole month, has been gathering momentum, until April 1 brings in a perfectly enormous volume of orders. It is very pleasing to note also, from correspondence with representative seedsmen in various sections of the country, that all lines of seed advertising have been bringing from the very opening of the season much more than the usual expected returns. Those seedsmen who added flowering plants to their Easter stocks report increased sales in this line over those of a year ago. Many of the larger houses still need extra hands to wait upon customers and put up orders, but do not seem able to find the needed employees for the short time required.

Zinnias

Although of late years Zinnias have been in ever increasing demand, still so valuable are they that it is difficult to say too much in their favor. As a flower seed for retail counter sales they rank next to Sweet Peas and Nasturtiums. Customers who simply want a few flower seeds will be pleased with Zinnias, as few flowers are so easily grown from seed sown in the open ground, or bloom so profusely and continuously throughout the whole season, as this truly elegant hardy annual. The improved types of Zinnias that have been introduced within the last few years are little short of marvelous in their splendid colors and markings. During the months of August and September, Zinnias are at their best and their blooms incomparably bright. There need be no hesitation in recommending their free use for groups, beds, borders, or, in fact, for all positions in the garden, as under any and all conditions Zinnias do well. Now in regard to the varieties which should be carried in stock. There are many sorts and innumerable separate colors and shades but if a supply is obtained of choice mixtures of the "Tall Double" and "Dwarf Double" varieties, the former grows 2 to 2½ ft. high and the latter about half that height, most customers will be perfectly satisfied. It is not an easy matter to suggest offhand fifteen or twenty easily grown and valuable flower seeds to a customer, but Zinnias may be always recommended with full confidence.

Pansy Seeds and Plants

Speaking of flower seeds for counter retail sales a goodly supply of mixed Pansy seed is of course needed, and in Pansies the demand will be very brisk for blooming plants also, to be set out at once for immediate effect. The plants are obtainable from most any plant grower, who will have them nicely put up in little baskets for the retail trade. As regards Pansy seed, do not make the mistake of carrying too high priced seed. There will be some little demand for 25 and 50-cent packets, but for most transient trade the five-cent packet is the one oftenest called for. The larger seed houses will supply a most excellent grade of Pansy seed in mixture that can be sold for five cents per packet.

Window Decorations

There is always a strong temptation as the Spring rush increases to neglect the decorations of the show windows; but it should be remembered that no advertising that can be done is more effective in its way than the always attractive and frequently changed display of seasonable goods in the show windows. It is at the busy seasons when customers depend to a larger extent than most of us realize, upon getting hints as to what to purchase from these window displays. By no means should this most important advertising feature of seed selling be neglected. V.

New York Seed Trade

Every seed house in this city reports a larger Easter business than a year ago. In fact, it would seem impossible to have done any more. The warmer weather the last few days has increased counter sales very much. It is destined to be a great season.

Vaughan's Seed Store is handling unusually large quantities of nursery stock and potted plants. This week it is making a specialty of Pansy plants.

The trade will be glad to know that Charles Loechner of the Yokohoma Nursery Co., who broke his leg at Christmas time, is improving so much that he has left the hospital and is at his home. Everyone will be much pleased when Mr. Loechner is again at his desk.

W. E. Marshall & Co. report counter trade as heavier, and at least ten days earlier than a year ago. Mr. Marshall has just returned from a western trip

J. BOLGIANO & SON

WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS

BALTIMORE, MD.

Please mention the Exchange when writing.

ONION SEED = = ONION SETS

We are large growers of and dealers in Onion Seed and Onion Sets.
Write for prices on 1909 crop.
Can also quote contract prices for the 1910 Onion Seed crop.

SCHILDER BROS., Chillicothe, O.

Please mention the Exchange when writing.

Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C.

Trade Mark **American Spawn Co., St. Paul, Minn.**

Please mention the Exchange when writing.

FRESH MUSHROOM SPAWN

ENGLISH AND AMERICAN

VAUGHAN'S SEED STORE

CHICAGO 84 Randolph Street **NEW YORK** 25 Barclay Street

Please mention the Exchange when writing.

Earliest of All Asters **WONDER** Most Profitable of All

White and Pink, very large, fluffy, June, July, 80c. per ½ oz. Ostrich Feather, 4 colors mixed, August, 40c. per ½ oz. Late Branching, 6 colors, mixed, 25c. per ½ oz. Lower in quantity. All the Asters have long stems, and all the seed is of my own saving from best plants, 1909.

DANIEL K. HERR, Lancaster, Pa

Please mention the Exchange when writing.

Aster Lady Roosevelt

Late. Longest Stem, Rich Pink. Sow end of April. Trade packet, selected stock, **50c.**; good stock, **30c.** Write for prices in quantity. Tested seed.

JAS. MACFARLANE, Staatsburg-on-Hudson, N. Y.

Please mention the Exchange when writing.

Famous Aster Lady Roosevelt

Gorgeous Pink, 20 to 40 inch stems, scientifically grown and separated seed. Reduced prices while the stock lasts, order today: ⅛ oz. 40c., ¼ oz. 75c., ½ oz. $1.50, 1 oz. $2.50. Aster Seed in mixture, best colors, and ¼ oz. Roosevelt. Oz. $1.00.

GLEN MAWR SEED FARMS, Kinzers, Pa.

Please mention the Exchange when writing.

Gladioli

Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck and Pactole.

LILIES, IRIS, CINNAMON VINES and other bulbs for Spring planting.

Send for prices.

E. S. MILLER
WADING RIVER, LONG ISLAND, N. Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Now For Those Rush Orders!

FLORISTS who want their orders filled accurately and quickly will make no mistake in sending to us. We are prepared to fill orders the day they arrive. We have just doubled our packing force—a change made necessary by the largest number of orders ever received. Here are some of the things you should not overlook in planning your Spring planting:

ASTER SEED, ASTER SEED, ASTER SEED,

Sweet Peas, Dahlias, Gladioli, Lilies, Market Garden Strains of Vegetable and Flower Seeds, Hardy and Tender Plants, Potatoes, Small Fruits, Lawn Grass, Fertilizers, Insecticides and Sprayers

Five minutes' study of our wholesale catalogue will convince you that it is to your interest to send us your rush order. To insure its reaching the right department the minute it arrives, mark both your order and envelope, "Wholesale Department—Rush." Mention this paper.

JAMES VICK'S SONS, Rochester, N. Y.

Please mention the Exchange when writing.

PANSIES

Brown's Prize Pansies, Fall transplanted, large stocky plants, in bud and bloom. Mixed Colors, in any quantity. 15,000 Giant Yellow with dark eye, $1.25 per 100, $10.00 per 1000. Cash with order.

PETER BROWN, 124 RUBY STREET **Lancaster, Pa.**

Please mention the Exchange when writing.

and is particularly pleased with some very large nursery stock orders his firm has secured.

Wm. Elliott & Sons are very busy and report that sales are especially large in Grass seeds and Clovers. They are making a specialty of lawn Grass seeds in pint and quart cartons for the wholesale trade.

Julian H. Walter, president of the Stumpp & Walter Co., has just returned from a four weeks' trip in Europe. Mr. Walter was only away some four weeks, but in even that short time visited England, Holland, Germany and Belgium.

J. M. Thorburn & Co. report sales of flower seeds as unusually good. As always, Spring bulbs with them are a feature.

Burnett Bros. have been booking some very satisfactory orders from the private trade, not only for seeds but for large quantities of plants and nursery stock as well.

Rickards Bros. say that the retail counter trade has commenced fully two weeks ahead of a year ago, which will lengthen out their seed-selling season by just that much. They are greatly pleased with the volume of business done during March.

Peter Henderson & Co. are, on all sides, receiving congratulations on the fact that the extensive improvements and alterations to their Cortlandt st. store are entirely finished. They now have one of the best equipped and handsomest seed stores in the East, a splendid wide entrance, modern show windows, elevators and interior fixtures and fittings, all most modern and complete.

At Boddington's, the last few days have increased sales materially. This house is this season handling exceptionally large quantities of hardy Roses for Decoration Day forcing. Lawn Grass seed, Sweet Peas and flower seeds are the leaders at the retail counters. Mr. Boddington reports that Easter being so early they are at least ten days ahead of a year ago in the volume of sales this year.

Weeber & Don have been making a specialty this season of Sweet Peas, and report much increased sales over even the large output of a year ago.

C. McTaggart finds his new location at 123 Warren st. particularly suited to retail business, the many persons passing to and from the trains and boats, purchasing most freely.

Chicago Seed Trade

Trade is unusually urgent on account of weather being so good.

Onion sets being well cleaned up the market is stiffening, and the end up likely to bring high prices.

Corn, both in garden and field varieties is in strong demand; germinating quality on the average poor, consequently prices quite high for good stock. Fill in trade with the jobbers is excellent and some trouble experienced to supply many of the standards in seeds, but good substitutes are taken where the kind wanted is out of supply.

Philadelphia Seed Trade

The continued warm and pleasant weather has increased the already active condition of business in all the seed stores. Every employee who can sell has been put behind the counter; the stores are crowded with buyers and our seedsmen are kept busy day and night.

The seedsmen already fear a shortage later on in Peas, Sugar Corn, and certain varieties of Beans. All kinds of vegetable roots, flower roots and bulbs are selling briskly.

The Johnson Seed Co. reports that its business now is as large as it usually is in mid-April. The demand for Rhubarb and Asparagus roots, and Tuberoses, is very heavy, and the call for Aster seeds is undiminished. The Stokes Seed Co. makes a full display of Red Clover, Swedish Oats, Japan Buckwheat and Spring Rye Seeds. Mr. Stokes reports a very heavy sale of Hydrangea Otaksa, of which he makes a specialty, of Easter Lilies, and of Lily of the Valley, blooms of which latter to the number of 70,000 were cut from his greenhouses at Moorestown, N. J., last week.

The Moore Seed Co. is making heavy sales of Field Corn, of which a specially good supply has been secured. Mr. Moore says sales in all lines of seeds were never so heavy as this season.

The house of Henry A. Dreer continues its large sales of Grass seeds and Potatoes, and garden seeds, of which latter there is a most complete collection in one of the store windows. Mr. Thilow says the sale of perennial plants has already begun. These are one of the Dreer specialties.

At Henry F. Michell Co.'s it was difficult to make a way through the crowd of buyers to the offices. Blooming plants from Michell's Giant exhibition strain of Pansy seed are now on sale at the store, and for stockiness of plant, and size and beauty of bloom they can hardly be surpassed.

Boston Seed Trade

Owing to the very fine weather we have had for the last month the seed stores are kept hustling. They report that March has broken all records in the way of increased orders. They say there is very little call now for the grandiflora types of Sweet Peas and that almost every person buys the Spencers.

Maurice Fuld, manager of W. W. Rawson & Co., says that two years ago they sent a collection of Dahlias to Japan. The Japs have now a Dahlia Society and gave their first exhibition in Yokohama. This firm has been asked by the Japanese Dahlia Society to send them 1000 copies of their Dahlia catalog for distribution; they have been sent. R. C.

STURGEON BAY, WIS.—The Northern Wisconsin Seed Co. is to be incorporated with a capital of $25,000.

Bermuda

Under the Produce Inspection Act of the island, which has been in force for some time, importers of Potatoes and Onions from that source should feel securely protected as to quality and condition of stock when received, the Bermuda regulations as to inspection of stock before shipment being extremely stringent.

Pansies

Stocky little plants of our best strain, $2.00 per 1000; transplanted plants that will be in bloom for Easter, $1.50 per 100; $12.50 per 1000.

DAISIES (Bellis) and FORGET-ME-NOTS, $2.00 per 1000.

CINERARIAS and PRIMULA Obconica, 4-in. pots, $5.00 per 100.

J. C. SCHMIDT

BRISTOL, PA.

Please mention the Exchange when writing.

PANSIES

The World's Best Mixture. Large plants in bud, $3.00 per 1000, $1.00 per 100; smaller plants, Fall transplanted, in cold frames, 50c. per 100, by mail; $3.00 per 1000, by express. English Daisy, 25c. per 100; Feverfew, strong, from 2½-in.; Parlor Ivy, Sweet Alyssum, Giant Stock, pot plants, all at $1.50 per 100. Low prices for Cash.

E. FRYER, JOHNSTOWN, PA.

Please mention the Exchange when writing.

PANSIES

Fine cold-frame plants, in bud and bloom; $1.50 per 100. Small plants $3.00 per 1000, by mail, 60c. per 100.

PANSY SEED, finest mixture, $1.00 per pkt. of 4000 seeds, $5.00 per oz.

PANSY BLOOM, large and fine, long stems. For Easter; 75c. per 100, $5.00 per 1000. Cash with order.

E. B. JENNINGS, Lock Box 254 **Southport, Conn.**

Grower of the Finest Pansies

Please mention the Exchange when writing.

PANSY PLANTS

Of My Largest Flowering Mixture of Show Varieties

Unsurpassed quality, large transplanted plants, in bud and bloom, $1.25 per 100. Strong, stocky plants, out of cold framee, $3.00 per 1000.

Bellis (Daisies), largest double, red and white, good plants, $2.00 per 1000; 500 at 1000 rate.

GUSTAV PITZONKA, Bristol, Pa.

Please mention the Exchange when writing.

Invincible Aster

Michell's Reliable Aster Seeds

IMPROVED SEMPLE'S BRANCHING (Michell's). An improved strain which has been obtained by years of careful selection.

	Tr. pkt.	Oz.
Lavender	$0.40	$1.50
Rose Pink	.40	1.50
Shell Pink	.40	1.50
Purple	.40	1.50
Crimson	.40	1.50
White	.40	1.50
Choice Mixed	.40	1.50

INVINCIBLE. A superior strain of great value to the florists for cutting; plants of branching habit; flowers of large size and perfectly double.

	Tr. pkt.	Oz.
Crimson	$0.30	$1.50
Lavender	.30	1.50
Rose Pink	.30	1.50
White	.30	1.50
Mixed	.30	1.25

QUEEN OF THE MARKET (Extra Early). A well-known and desirable florists' Variety.

	Tr. pkt.	Oz.
Dark Blue	$0.20	$0.60
Crimson	.20	.60
Light Blue	.20	.60
Rose Pink	.20	.60
Blush Pink	.20	.60
White	.20	.60
Mixed	.20	.60

LAVENDER DAYBREAK.
Lavender. In habit of growth and form of flowers, this variety is identical with the Pink Daybreak. Trade pkt. 40c., oz. $3.00.

LAVENDER GEM.
Lavender. An excellent variety of the Comet type, with large, perfectly double flowers. Trade pkt. 40c., oz. $2.25.

Our Complete Wholesale Catalogue, sent free

HENRY F. MICHELL CO., 10th & Market Streets PHILADELPHIA, PA.

Please mention the Exchange when writing.

ELEPHANT'S EAR

Caladium Esculentum

Bulbs 6 to 8 inches in circumference, 200 in a case, 25c. per doz., $2.00 per 100, $15.00 per 1000.

Bulbs 8 to 10 inches, 100 in a case, 50c. per doz., $3.50 per 100, $30.00 per 1000.

Bulbs 10 to 12 inches, 75 in a case, 75c. per doz., $5.50 per 100, $50.00 per 1000.

Bulbs 12 to 13 inches, 50 in a case, $1.00 per doz., $8.00 per 100, $75.00 per 1000.

Monster bulbs 13 inches and upward in circumference, 25 in a case, $1.50 per doz., $12.00 per 100.

Full cases at 100 rate

"Red Seal Brand"

Excelsior Pearl

Tuberoses

4 to 6 inches

$7.50 per 1000; $1.00 per 100

ARTHUR T. BODDINGTON
SEEDSMAN
342 West 14th Street
NEW YORK CITY, N. Y.

Please mention the Exchange when writing.

CANNAS

KING HUMBERT, CHAS. HENDERSON, EX. CRAMPBELL, MAD. CROZY, ALPHONSE BOUVIER, MLLE. BERAT, FLORENCE VAUGHAN, SOUV. DE ANTOINE CROZY.

Write for special prices, stating quantity wanted.

FRESH TOBACCO STEMS. Bale of 300 lbs. $1.75; Ton $9.00.

W. C. BECKERT
SEEDSMAN
103 Federal St., N. S., Pittsburg

Please mention the Exchange when writing.

Congressional Seed Distribution

Representative Graham, of Pennsylvania, chairman of the House Committee on Expenditures, on March 17 queried Agricultural Department experts as to criticisms of the vegetable and flower seeds furnished by the department for Congressional distribution. Acting Chief Powell, of the Bureau of Plant Industry, said a laboratory was maintained for the purpose of determining by tests whether seeds were adulterated or lacking in vitality. He declared the results of the tests, with the names of the firms supplying the seeds, were published whenever the seeds were found to be below the standard.

Doctor Powell said the seeds in the Congressional distribution were of as high a standard as any furnished by anyone, and that private establishments were protesting because of the effect on their own goods.

Seed Trade Advtg. in England

Our correspondent, "European Seeds," in a recent note, made a remark on the great advertising campaign in the seed trade which was at that time being conducted in England.

Ryder & Sons, styling themselves the "Penny Packet Pioneers—Seed Specialists," have been using full-page advertisements in the principal London daily papers, and we have before us their advertisement as it appeared in the Daily News of Friday, March 11. The advertising is written up in the most approved American style, showing portraits of the principal men in the firm, photographs of their offices, of medals received as successful exhibitors, etc. They sell direct from their own establishment and not through agents, and must certainly transact a wonderful amount of business in order to be able to pay for the expense of the advertising they are doing. Herewith are some of their advertising catch phrases: "The History of a Celebrated Business Built up Solely on Pennies." "Ryder & Sons' Penny Packet Seeds Will Grow in Every Garden." "The Most Remarkable Seed Business in the World." "All Seeds, from Orchids to Mustard and Cress, for One Penny." "Buy Ryder's Seeds This Year and Test the Power of a Penny."

Another advertising proposition, on widely divergent lines from the foregoing, is that issued by Sutton & Sons of Reading, England—a handsomely illustrated work in magazine form entitled "The Garden Fayre," with cover in colors illustrating a garden scene. Attractively written and illustrated with appropriate pictures, the advertising feature is neatly carried out, and so inconspicuously as not to affect the magazine idea. Advertisements from outside houses materially assist in reducing the cost of the enterprise to the originators thereof. These instances are cited for the information of our readers and to show that all the world is awake to the benefits to be derived from "Judicious Advertising" in the seed business.

Cultural Direction Leaflets

Prepared especially for seedsmen to give away to customers. Written by experts with a view to the wants of the amateur. Seedsmen are requested to send for a free sample. Address,

A. T. De La Mare Ptg. & Pub. Co., 2 Duane St., New York

DAHLIAS

Charles Clayton is my best introduction; for brilliancy, form and stem, this new Cactus leads them all. Other superb Novelties are: Mrs. W. K. Jewett, Manitou, Princess Yetive, Corona, Olive Tracy. These with other fine varieties were awarded a Bronze Medal at the Alaskan-Yukon Exposition, last season. Select list of Standard Dahlias; and Field-Grown Hollyhocks, both Double and Allegheny. Catalogue on application.

W. W. WILMORE, P. O. Box 382, Denver, Col.

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $2.50 per doz., $15.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

Jack Rose Dahlias

LARGE UNDIVIDED CLUMPS
$15.00 per 100, or $2.00 per dozen.

W. C. WARD
577 Adams St., East Milton, Mass.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

CANNAS

Our own home-grown stock is true to name. Extra Selected, plump, sound, 2, 3, 4-eyed roots.

	Per 100		Per 100
Austria	$1.20	M. Washington	$2.25
Allemania	1.20	Mont Blanc	4.50
Alba Rosea	1.20	McKinley	1.40
Alph. Bouvier	1.50	Mrs. K. Gray	1.50
Alsace, white	1.50	Niagara	2.50
B. Poitevine	1.75	Papa Nardy	2.00
Buttercup, new	1.50	Pennsylvania	1.50
Black Prince	1.80	Premier, gold ed	1.75
Black Beauty	2.50	Pres. Meyers	2.00
Brandywine	2.00	Queen Charlotte	2.00
Chas. Henderson	1.50	R. Wallace	2.50
Crimson Bedder	2.00	So. d'A. Crozy	2.25
D. of Marlboro'	2.00	Shenandoah	1.75
Egandale	1.50	Sec. Chabanne	2.00
Express, dwarf	2.00	Venus, new	3.00
Flor. Vaughan	1.80	Wm. Saunders, new	10.00
Gladiator, new	2.25	West Grove	1.80
King Humbert	4.50	Wm. Boffinger	1.50
Louise, pink	1.80	Sep. colors mix.	1.00
Louisiana	1.50	All kinds mxd.	.70
Mad. Crozy	2.00		

CALADIUM Esculentum (Elephant's Ears).

	Doz.	100
6-8 in. circumference	$0.25	$1.75
8-10 in. circumference	.50	3.50
10-12 in. circumference	.75	5.50

TUBEROSES, Dwarf Pearl, 1st size, $7.50 per 1000, 80c. per 100; 2nd size, $4.50 per 1000.
GLADIOLUS Gandavensis, light shades, all colors mixed, 75c. per 100, $7.00 per 1000.
PANSY PLANTS, large, transplanted; Vantier's Mammoth Bugnot, etc., including the new odorous strain Orchideaeflora, $2.00 per 1000; 2000 for $5.00.

SHELLROAD GREENHOUSES, Grange, Baltimore, Md.

Please mention the Exchange when writing.

¼ Million Canna Plants

OVER 100 VARIETIES

Started in beds out of doors, strong well-rooted plants.

Prices range from $1.50 per 100 up, according to varieties and quantity wanted. Plants ready after April 15, they will be packed light in moss. Send us a list of your wants and let us quote you prices. We also have dry roots in many varieties.

Frank Cummings Bulb & Plant Co.
Canna Growers, MERIDIAN, MISS.

Please mention the Exchange when writing.

Florists' Dahlias

A good assortment of Dahlias for Florists, at prices that will surprise you for undivided field clumps.

J. MURRAY BASSETT, Packard St. Hemmonton, N. J.

Please mention the Exchange when writing.

DAHLIA POLES

All Kinds of Flower Sticks
Green and Plain, Blunt and Pointed

HUGO L. GROTE, 1123 Broadway, New York City

Please mention the Exchange when writing.

VIOLET CULTURE

Price, $1.50 Postpaid

A. T. De La Mare Ptg. & Pub. Co., New York
2-8 Duane Street New York

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00.

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

DREER SPECIALS IN HARDY PERENNIALS

Japanese Anemone.

ANEMONE JAPONICA. Many thousands of well-established pot plants.
Japonica Alba. Large snowy white. Doz. 85c., 100 $6.00.
Japonica Rubra. Beautiful rosy red. Doz. 85c., 100 $6.00.
Elegantissima. Semi-double satiny-rose. Doz. $1.25, 100 $8.00.
Prince Henry. Large double, deep pink. Doz. $1.25, 100 $8.00.
Queen Charlotte. Very large silvery pink. Doz. 85c., 100 $6.00.
Rosea Superba. Delicate silvery rose. Doz. 85c., 100 $6.00.
Whirlwind. Large semi-double, pure white. Doz. 85c., 100 $6.00.

ACHILLEA, BOULE DE NEIGE. A decided improvement over "The Pearl," with flowers one-half larger; a valuable cut flower. Doz. 2.00, 100 $15.00.

ANCHUSA ITALICA, DROPMORE VARIETY (Improved Italian Alkaner). One of the showiest and most useful plants for the mixed border or for planting between shrubbery that we know of; the plant grows from 5 to 6 feet high, producing throughout the season large but graceful spikes of beautiful blue flowers. Doz. $1.50, 100 $10.00.

AQUILEGIAS. A splendid stock of the popular Columbines. All the leading varieties in strong plants. Doz. 85c., 100 $6.00.

ARTEMISIA LACTIFLORA. A new plant, an introduction from China, grows 3 to 4 ft. high, with elegant dark green cut foliage and large spikes of graceful, creamy white, Spiræa-like, light and graceful flowers. Strong plants 30c. each, doz. $3.

HARDY ASTER GRANDIFLORUS. The latest of all to bloom, frequently being in good condition as late as Thanksgiving Day; flowers large, of a dark bluish violet; always attracts attention in our grounds, being the last plant in flower. Strong plants $2.00 per doz., 100 $15.00.

ASTILBE ARENDSI, CERES AND SILVER WHITE. These are the result of crossings between Astilbe Davidii, Japonica compacta, Astilboides and Thunbergii. They are of strong, robust habit, growing from 2½ to 3 ft. high, in much branched panicles; the former with light rose colored flowers, the latter with silvery white flowers. Excellent subject for a semi-shaded moist position. Each 50c., doz. $5.00.

ASTILBE GRANDIS. An introduction from China, growing from 5 to 6 ft. high; the panicles of white flowers range from 2 to 2½ ft. in length. Each 35c., doz. $3.50.

DELPHINIUM BELLADONNA. The freest flowering of all the Delphiniums and the most valuable of any variety for cutting, its beautiful turquoise-blue flowers appeal to all who see it. Plant these early and you will have a continuous display of bloom from June until freezing weather. We offer an exceptionally fine lot of extra heavy one-year-old plants. Doz. $2.00, 100 $15.00, 1000 $125.00.

DELPHINIUM, DREER'S GOLD MEDAL HYBRIDS. Unquestionably the finest strain of mixed hybrids ever offered, being seedlings of one of the best named collections and containing some wonderful varieties. Strong one-year-old plants. Doz. $1.25, 100 $8.00, 1000 $75.00.

DELPHINIUM FORMOSUM. A splendid strain of this favorite and popular dark blue variety. Doz. 85c., 100 $6.00, 1000 $50.00.

GYPSOPHILA PANICULATA FLORE PLENA. We consider this one of the most valuable Summer cut flowers we have, a plant which is destined to become a most important subject for cutting. Strong plants, doz. $2.00, 100 $15.00.

HELENIUM, RIVERTON GEM AND RIVERTON BEAUTY. Two splendid perennials of our own originating, the former having flowers of old gold color suffused with terra cotta, changing as they mature to a wall flower red; the latter a pure lemon color with a large disc of purplish black. Doz. $1.50, 100 $10.00.

HEMEROCALIS AURANTIACA, AURANTIACA MAJOR AND FLORHAM. These are the three handsomest forms of the Day Lily, with very large trumpet-shaped yellow flowers. Doz. $1.50, 100 $10.00.

HEUCHERA, FIVE NEW VARIETIES.
Fantasie. Sulphur yellow, tinted green; tips of petals bronzy red.
Grenade. Bright red, tinted carmine; very vigorous.
Pluie de Feu. Bright raspberry-red; very free.
Profusion. Ivory white.
Virginal. Large creamy white.
Each 35c., doz. $3.50.

NEW IRIS GERMANICA.
King of Iris. A striking novelty, with flowers of perfect form; the standards clear lemon yellow, while the falls, which are very large, are a deep satiny brown, with a broad border of golden yellow. Ea. 50c.
Lohengrin. One of the strongest growers yet introduced, both foliage and flowers being of gigantic size, the flowers being nearly 5 in. deep, with petals 2 in. wide, and of that beautiful pink color peculiar to the Cattleya. Each 75 cents.
Nibelungen. Flowers as large as the preceding; standards olive green suffused with sulphur yellow; falls deep violet purple suffused with creamy white on the edges. Each 75c.
Princess Victoria Louise. Standards pure sulphur yellow; falls rich plum color with cream colored edges. An entirely new and distinct combination of colors. Each 75 cents.
Rhein Nixe. Standards pure white, falls deep violet blue with white margin; will attain a height of 3 ft., with many branched stems. Very free flowering. Each 50 cents.
The collection of 5 varieties for $2.25.

IRIS INTERREGNA.
(Introductions of Goos & Koenemann)
An interesting new type of Iris, the result of crossing Iris Germanica with I. Pumila Hybrida, and for which there promises to be a great future. They flower earlier in the season than the German Iris, and while the flowers are of the most approved and perfect form, they also combine large size with the most beautiful and decided clear colors. The foliage is dwarf and healthy, holding its freshness throughout the season; the flower stems which are about 18 inches high, hold the flowers well above the foliage.
Halfdan. The entire flower is of a pure creamy yellow, of absolutely perfect form.
Helge. Light citron yellow with pearl colored center, a beautiful soft color.
Ingeborg. Both standards and falls are pure white; the flowers are 5 in. deep and have petals 2 in. wide; a grand perfect flower.
Walhalla. Standards rosy lavender, falls claret red; a most distinct and beautifully formed flower.
Price: Each 50c., doz. $5.00; the set of 4 varieties for $1.75.

Gypsophila paniculata fl. pl.

IRIS PUMILA HYBRIDA, THE BRIDE. This is without question the prettiest dwarf white Iris yet introduced. The flowers which are of ideal form, on first opening are of a creamy white color, changing to pure white as they mature. They are produced on stems from 10 to 12 ins. high, which appear in great profusion early in May. Each 25c., doz. $2.50, 100 $18.00.

TWO HANDSOME NEW LUPINUS
Polyphyllus Moerheimi. The most beautiful variety yet introduced; a combination of light and dark shades of pink difficult to describe and without a trace of magenta. Each 35c., doz. $3.50, 100 $25.00.
Polyphyllus Rosens. A decided improvement on the old variety, immense spikes of showy rosy pink flowers; a desirable acquisition. Each 20c., doz. $2.00, 100 $15.00.

PHLOX DIVARICATA LAPHAMI (Perry's Variety). A wonderfully improved form of the popular Phlox Divaricata, of more robust habit, larger flowers and of a more intense color. Doz. $1.50, 100 $10.00.

Lupinus Moerheimi.

THREE FINE NEW HARDY PHLOX

Selected from a collection of over fifty new varieties of the past two seasons; distinct from all other sorts.

Elizabeth Campbell. Bright salmon-pink with lighter shadings and dark crimson eye; an entirely new and much wanted shade in Phlox.
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Rosenberg. Bright reddish violet with blood-red eye; individual flower as large as a silver dollar.

Each 35c., doz. $4.00; one each of the 3 varieties for $1.00.

PRIMULA CORTUSOIDES SIEBOLDI. This Japanese Primrose is not so well known as it deserves, it is not only valuable for the hardy border but will also find ready sale as a pot plant for the window. We offer six distinct varieties, varying from the purest white to deepest rose. Doz. $1.50, 100 $10.00.

RUDBECKIA, RAYS OF GOLD. An improved form of the popular Golden Glow with which it is identical, excepting that it has narrower petals and a fuller center, it is really a refined form of the old variety. Doz. $1.00, 100 $7.00.

Anchusa Italica, Dropmore Variety.

PYRETHRUM HYBRIDUM FLORE PLENA. A fine lot of strong plants in 5-in. pots. Double white, pink and crimson. Doz. $2.50, 100 $18.00.
Choice mixed seedlings, 3-in. pots, doz. $1.00, 100 $7.00.

SEDUM SPECTABILIS, BRILLIANT. Originated with us as a sport from the variety atropurpurea, and is by far the richest colored variety yet introduced, being a bright shade of amaranth-red or dark crimson. Strong plants, doz. $1.50, 100 $10.00.

STOKESIA CYANEA, BLUE AND WHITE. Strong pot grown plants, 4-in. pots. Doz. 85c., 100 $6.00.

SWEET WILLIAM, SUTTON'S GIANT WHITE. Immense trusses of large pure white flowers; splendid for cutting; strong 4-in. pots. Doz. 85c., 100 $6.00.

TRITOMA PFITZERI. A splendid lot of strong plants. Doz. $1.25, 100 $8.00, 1000 $75.00.

SIX CHOICE NEW TROLLIUS.
Goldquelle. Large globular golden yellow.
Gotterfunke. Large, open orange yellow flowers.
Helios. Very free flowering, pure yellow, on strong-branched stems.
Lenchtkugel. One of the finest deep orange reds.
Lichtball. Large, globular orange-yellow flowers on stiff stems.
Salamander. Soft orange colored flowers of globular form.
Ea. 25c., doz. $2.50; the set of six for $1.25.

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We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

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Japanese or Boston Ivy

(Ampelopsis Veitchii)

Good Two Year Strong Plants With Fine Long Tops

Price - - - $9.00 per 100

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Hardy American Grown Roses

Standard—Tree Box—Pyramidal

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64 YEARS GENEVA, N. Y. 800 ACRES

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NORWAY MAPLES

Specimen trees 14-18 ft., 2-4 in. dia.

RHODODENDRON HYBRIDS

1-3 ft. Best varieties and colors

RHODODENDRON MAXIMUM

(The Natives) 2-6 ft. in car lots; fine plant

KOSTER BLUE SPRUCE

4-5 ft. and 5-6 ft.

CAL. PRIVET for hedge

Fine plants 2-3 ft. and 3-4 ft.

A large assortment of Fruit, Shade and Ornamental trees and shrubs

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Hydrangea Alba Grandiflora

The new forcing and garden Hydrangea

500 extra heavy, 21-36 inch, $12.00 per 100.
1000 very strong, 18-24 inch, $8.00 per 100.
1000 nice stock, 12-18 inch, $5.00 per 100.

Samples sent at single rate prices, plus 5c. each.

The Elm City Nursery Co., New Haven, Conn.

Evergreens Shrubs Shade Trees Privet

100 Acres of Nursery. Ask for quotations upon your own list of wants.

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10 Seedling Peony Roots

for TEN CENTS;

more if desired at one cent each, sent by mail. Now is the time to order.

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Transplanted Pear Trees, 1-1½ inch caliper, choice, clean trees. Send description, variety and price.

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OAKS AND MAPLES

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Pink Climbing Rose—Dorothy Perkins

Without doubt the most valuable of all the new Climbing Roses of comparatively recent introduction. The beauty of the double pink flowers is admirably set off by the rich green foliage, which is free from the attacks of insects.

In addition to this charming kind, we have all the popular varieties in climbing and bush Roses. Our General Catalogue, which will be mailed on request, contains descriptions of all the best Roses—also

Fruit and Ornamental Trees, Shrubs and Hardy Plants.

ELLWANGER & BARRY,

Mount Hope Nurseries. Rochester, N. Y.

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New Rose

American Pillar

NO Climbing Rose is attracting the attention that "American Pillar" does, and most deservedly so. It is by far the best single-flowered climbing rose for outside purposes; and on account of the great durability of its flowers, it is the best single-flowered forcing rose.

July 12, 1909.

Gentlemen:
Let me tell you, too, that the American Pillar is a better Rose than you know, perhaps. The plant I had from you, which was planted this Spring under unfavorable conditions, is now giving us a succession of most exquisite bloom.
Yours truly,
J. HORACE McFARLAND,
Pres. of American Civic Association, Harrisburg, Penna.

COMMENT FROM THE LONDON GARDEN

"A most notable feature in this glorious display (Temple Flower Show in London) was the New 'American Pillar' Rose. The large and attractive rich rose pink blooms are produced in immense clusters, the white centers of the blooms adding to their attractiveness. —Florists' Exchange.

2½-inch pot plants, $1.50 per dozen, $8.00 per 100, $75.00 per 1000.

4-inch pot plants, $3.50 per dozen, $25.00 per 100.

The Conard & Jones Co.

WEST GROVE, PA.

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Viburnum Plicatum, in sizes from 3 to 6 ft.
Japanese Judas, very heavy, 3 to 4 ft.
Spiraea Anthony Waterer, very heavy, 1½ to 3 ft.
Regel's Privet (Ligustrum Regelianum), 2 to 4 ft.

These are but a few of our leaders; we have an enormous assortment of other varieties. Also deciduous trees, especially **Willows, Lombardy Poplars, American Lindens,** and **Dogwood.** Let us have your "want list," and ask for our catalogue.

The Wm. H. Moon Co., Morrisville, Pa.

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INDOOR GRAPE VINES

Strong, one year old planting canes, just right for present planting.

In the following varieties:

MUSCAT OF ALEXANDRIA
BLACK HAMBURGH
BUCKLAND SWEET WATER
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Price, $2.50 each (Two dollars and fifty cents)

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Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

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NURSERIES AT OUDENBOSCH AND BOSKOOP

Proprietors { U. J. Heerma Van Voss. H. A. M. Swellengrebel. | Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.

Large stock of Ornamental Trees and Shrubs, Conifers, Evergreens, etc. First-class stock only. Prices reasonable. Sole American Agent:

J. MEERKAMP VAN EMBDEN, JR. Mount Vernon, N. Y.

Ask for our General Catalogue and special offer.

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AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-president; John Hall, Rochester, N. Y., Secretary; C. L. Yatee, Rochester, N. Y., treasurer.

FREMONT, NEB.—G. L. Welch & Co. have purchased 17 acres of the Dockstader land for an expansion of their nursery business.

MARYSVILLE, CAL.—The Marysville Flower & Seed Co. has purchased 20 acres of land in Sunset Colony No. 5, Sutter Co., where a nursery will be conducted and a greenhouse established.

Quercus coccinea

Nurserymen find the Scarlet Oak, Quercus coccinea, one of the best selling of all the tribe, only one other leading it, the Pin Oak, Quercus palustris. The reason for this popularity is, mainly, that it has such magnificent looking foliage in the last days of Autumn, beside that the foliage is at all times perhaps the most attractive of all the Oaks, the leaves are so finely divided and of such a lively green. The scarlet color, for which it is so famed, is not possessed by the foliage until very late in Autumn; and in this it differs from all other Oaks. When a few of them are scattered through a large woods which may contain as well some of the Quercus rubra, Q. tinctoria, and Q. alba, the Scarlet Oak will be seen full of foliage after that of the other species has fallen, and even sometimes before its own leaves have taken on their deep scarlet color.

Our photograph is of a thrifty young tree of it planted in a row along a sidewalk, and how beautiful its foliage is—the whole tree, in fact, is well displayed.

The Scarlet Oak is not transplanted as readily as the palustris, which is the easiest of all Oaks to move; but let no one believe that it cannot be safely transplanted. All Oaks can be if done properly. Take the tree displayed for example; if it was dug carefully, the roots kept damp until covered again with earth, and the branches all shortened back to within three feet of the trunk, there would be no reason why it should not live.

Oaks of our native species are so easily raised from seeds that there should never be a lack of seedlings to fill all wants. They require to be either sown in Autumn, or kept moist through the Winter and then sown in Spring.

According to where grown the acorns of the Quercus coccinea vary a good deal, sometimes appearing like the Black Oak, Q. tinctoria, in shape, at other times like the Red Oak, Q. rubra. But the foliage of all is very different from the others, and the flesh of the coccinea is always white, while that of the tinctoria is yellow. The apex of the tinctoria is also somewhat flattened; that of coccinea never is.

Quercus Coccinea. Scarlet Oak

Passiflora edulis

Passiflora edulis is sometimes seen in collections in conservatories, where it pleases by its beautiful flowers, white in color, with a violet base. It interests as well because of its egg-like fruit, which is good eating when ripe, though rarely tasting as good when greenhouse grown as it does when growing in the warmth of a Florida Summer. It is then that its fruit is sought for; and many visitors to that State come home with tales of the Granadilla fruit, which is its common name in the markets of the South, as it also is in southern California. This Passion Flower, as it is called—as are all species of Passifloras—is deemed one of the most ornamental of the species, and it is one of the best of several that bear edible fruit. The fruit is quite large, as large as a goose egg, on vigorous vines, and when ripe it is of a purplish color, and of a taste agreeable to most persons. Being a Brazilian vine it will not endure freezing at all, delighting instead in heat and moisture all the time.

The Camphor Tree

A great deal of interest is displayed just now in the cultivation of the Camphor tree as a commercial undertaking in Florida. The tree is hardy anywhere in that State, and large plantings of it have been made, looking to the use of the trees in the production of Camphor, all parts of the tree being used for the purpose; and, as the tree flourishes in the poorer soils of that State as well as on the richer ones it has stimulated many to set out acres of them.

The berries of this tree ripen in January in Florida, and hang on the trees for a month or two, unless crows take them, which they are apt to do. These berries will keep in good condition only a few weeks, unless cleaned of pulp and placed in slightly moist soil until sown. The Camphor tree will not survive a temperature lower than say 10° of frost. When the mercury falls below 20° it is a trying time for the Camphor trees. But as all parts of the tree emit a camphor odor when bruised many persons like a plant in their greenhouse collections, often surprising a friend by giving them a bruised leaf or berry from which to get a camphor odor.

Gaultheria Shallon

A correspondent in Oregon sent us some shoots of an evergreen he called "Salal." The species and its name being unknown to us we sent them to C. Roeding, of the Fancher Creek Nurseries, California, asking him if he could tell us what it was. We have his reply, in which he says it is the well-known Wintergreen of the Pacific Coast, Gaultheria Shallon, the name "Salal" being the one under which the Indians knew it. Mr. Roeding gives us also the following description of it, which he takes, he says, from the book "Wild Flowers of California." "The floor of the Redwood forest in our northern coast counties is often carpeted with this little undershrub, while in other places one can wade waist deep in it . . . . Upon Vancouver Island it forms dense, impenetrable thickets. Its dark purple berries have a very agreeable flavor, and form an important article of diet among the Oregon Indians, who call them 'Salal.'"

As many of our readers know, we have a Gaultheria native here, the G. procumbens, the well-known Tea Berry, or Wintergreen; but G. Shallon is a much larger species, making shoots 2 to 3 ft. in length. It ought to thrive here in sheltered places as other Oregon plants do.

Magnolia Soulangeana nigra

There has appeared in collections within a few years past a dark pink flowered Magnolia called Soulangeana nigra, a really good variety, because of its being somewhat of the Soulangeana type, always a favorite one, and having very dark purplish pink flowers. It is said to be a cross between Soulangeana and purpurea, or obovata, as it is now called, and it certainly partakes of the character of the two. There is the Soulangeana evidence in the flowers, and the purpurea in its habit of growth, more bushy and slender twigged than it. Purpurea, unless when growing in a rather high or a well-drained position, is apt to have unripened twigs in late Fall, which Winter frosts will injure, when plants are young. When older and with hard wood, and less vigorous shoots in Summer, cold has not the same effect on it. The new one, Soulangeana nigra, will probably not carry with it any of the less hardy character of purpurea, in which case, planted where Soulangeana now is, it will be a welcome addition to the number of these handsome flowering shrubs and trees already embraced under the name of Magnolia.

Preparing Stock for Layering

As it is the strong young shoots of shrubs and trees that are used for layering, this is the time to prepare to get them, by cutting back closely all stock desired for layering. As these shoots must be as close to the ground as possible, the plants should be cut down to as near the base as practicable, as this both increases the number of shoots and insures their being strong and near the ground. When it concerns plants that root readily from layers, a number of a kind could be set in a row to form a permanent stock to layer from every Summer. It does not weaken the stool plants much—it does to some extent, as some foliage is lost in placing the layers—as the layers are not cut off until the plants are dormant. Hydrangea paniculata grandiflora, Japanese Snowball, Magnolias and many shrubs and other plants are easily and cheaply raised from layers and now is the time to cut down the old plants for the purpose. Though rooting more freely for it, it does not follow that every plant needs its shoots cut where roots are wanted. Many sorts root when buried just as they are; experience will soon show which need not be cut before burying.

Cementing Holes in Trees

The repairing of trees having holes in them, caused by rot, by closing up the holes with cement has been made a business of by some. Of its efficacy when well done there can be no doubt. Whatever it may have been that started the decay in the first place, it is air and moisture that continues it. The cementing up of the cavities is to obviate further decay by preventing moisture from finding its way in. In some instances cracks have been observed in the cement after a year or two have passed since its use in a tree. When this occurs it is from the cement having been extended too far toward the face of the hole. It must not extend to the very outer edges of the wound, but to the inner edges only. If it extends to the outer edge of the live bark it will become cracked by the pressure of the new bark cells as they form. What is required is only that the cement should cover all that is dead, extending to the front until it *meets* the new bark, not to overlap it. This ensures the cement against any pressure from the new bark as it forms, and, therefore, it will not crack.

Before cementing a tree, every bit of decayed bark should be carefully scraped out, that the cement may make a solid mass. The presence of a body of cement in a hollow of a tree renders the tree more solid and better able to weather gales, besides preventing further decay.

Getting Peach Seed to Sprout

A correspondent enquires if Peach stones purchased from stores now and sown at once would grow this Spring. They would not, if they had been kept dry over Winter. The same correspondent suggests that cracking the stones and sowing the kernels would surely bring on seedlings. Those who have tried this plan say though some will grow a full crop cannot be relied on. It seems that artificial aid of this kind is resented by Nature, to the extent of permitting only of partial success following its practice. Because the dry stones will not grow when sown in Spring, it is not saying they are not good. Practically every seed will grow if still kept dry until early Autumn and then sown outdoors. With the commencement of the growing season in Spring growth starts, hardly a stone missing.

In cases where it is difficult to procure Peach stones early in Autumn, for sowing before Winter sets in, it is the practice of some Peach growers to take matters easy, securing the seeds any time during Winter, looking to sowing them in Autumn.

A Correction

Our good friend, E. Y. Teas, calls attention to an error in our pages lately. He is named as recommending for hedging the Spiræas Reevesii and Thunbergii, which he says he never did recommend nor would do. We really much regret the mistake. The writer had been reading in some paper, he forgets which, of the beauty of a line of Spiræa Reevesii, and in some way later got it in his mind it was Mr. Teas who wrote the article, whereas what he wrote concerned varieties of Privets and made no reference to Spiræas at all.

In calling our attention to this Mr. Teas remarks, incidentally, that Spiræa Reevesii is not hardy in his locality, Centerville, Ind.

BERBERIS THUNBERGII

Bushy Plants, 18 to 24 inches at $9.00 per 100; 12 to 18 inches, at $6.00 per 100.

Seedlings, 3 to 6 inches, $8.00 per 1000, with 6-in. roots; 2 to 3 inches, $5.00 per 1000, with 6-in. roots.

CAROLINA POPLARS

2 years, clean and smooth, nicely branched.

10 to 12 ft.	$15.00 per 100
8 to 10 ft.	10.00 per 100
7 to 8 ft.	8.00 per 100

LOMBARDY POPLARS

Low branched.

7 to 9 ft.	$10.00 per 100
6 to 7 ft.	8.00 per 100

NORWAY SPRUCE

Several times transplanted.

3 to 4 ft.	$30.00 per 100
2 to 3 ft.	8.00 per 100
18 to 24 in.	6.00 per 100

ARBOR VITAE

Transplanted.

3 to 4 ft.	$40.00 per 100
2 to 3 ft.	8.00 per 100

CALIFORNIA PRIVET

2 yr. cut back, extra heavy.

	100	1000
3 to 4 ft.	$4.00	$35.00
No. 1, 3 to 4 ft.	3.00	30.00

This is the best stock GOOD GROWING can produce.

C. R. BURR & CO.
The Burr Nurseries
MANCHESTER, CONN.

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Bumper crops for Spring delivery.

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August Haerens

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Hardy Nursery Stock such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.
Ask for catalogue.

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HOLLANDIA NURSERIES

Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

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AMPELOPSIS VEITCHII

Fine, well rooted, one year plants, 18 to 24 inches; 50, by mail, $2.00; 100, by express, $3.00; 1000, $25.00. Plants in cellar. ASPARAGUS ROOTS for Spring, extra strong, 2 year plants, $1.00 per 100; $4.00 per 1000. 3 years, $1.25 per 100; $5.00 per 1000. They will please.

CHARLES BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

Funkia Undulata Fol. Var.

EXTRA FINE LARGE PLANTS
$4.00 per 100; $35.00 per 1000.
F. W. O. SCHMITZ, Prince Bay, N. Y.

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CALIFORNIA PRIVET

2 to 3 ft., $3.00 per 100, $25.00 per 1000. 3 to 4 ft., $4.50 per 100, $40.00 per 1000.
Also 150,000 Privet cuttings.

HERBACEOUS PLANTS in 100,000 lots if desired.
Can supply 500,000 HARDY PHLOX alone.
CLEMATIS PANICULATA, 2 years, No. 1, 3 years, X and XX.
AMPELOPSIS VEITCHII, of all sizes.
VIBURNUM PLICATUM, from 18 to 24 inches, up to 5 to 6 feet, in quantity.
NORWAY and SILVER MAPLES, LOMBARDY and CAROLINA POPLARS, in all sizes.
SALVIA, 2-inch pots, $25.00 per 1000; in the following varieties:
Zurich Splendens Fireball Scarlet King

ROSES

Crimson Ramblers, Dorothy Perkins, Philadelphia Ramblers, Soliel d'Or, Persian Yellow and other varieties of **Hybrid Perpetuals.**
A large stock of **Clematis Paniculata, Ampelopsis Veitchii** and other vines.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Please mention the Exchange when writing.

California Privet

See our prices on small lots in classified advertisements.

For large orders in carload lots we can do better, and will ship you 10,000 18 to 24 inch, 4 to 6 branches, in bulk in car, for **$100.00.** Cash with order. Other sizes in proportion.

Jos. H. Black, Son & Co.
Hightstown, N. J.

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California Privet *and* Asparagus Roots

LARGE STOCK
Write for Prices

C. A. BENNETT Robbinsville, New Jersey

Please mention the Exchange when writing.

Amoor River Privet

350,000 All Sizes

6 to 20 inch, well rooted; transplanting size, $10 per 1000; 12 to 18 inch, $15.00 per 1000; 18 to 24 inch, $20.00 per 1000; 24 to 30 inch, heavy, $25.00 per 1000; 30 to 36 inch, heavy, $30.00 per 1000. All sizes, except the transplanting, are well branched. Packed and delivered f.o.b., for cash with order.

VALDESIAN NURSERIES
Bostic Department, BOSTIC, N. C.

Please mention the Exchange when writing.

CALIFORNIA PRIVET

500,000 3-yr. plants, with 12 to 20 branches; have been transplanted once and cut back 2 yrs.; $4.00 per 100, $37.50 per 1000, packed. Will make a good close hedge at once. 500,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr.; $3.00 per 100, $27.60 per 1000, packed. 1-yr. plants 12 to 18 in., well branched, $2.00 per 100, $17.60 per 1000, packed. 500 at 1000 rates. Cash with order.

JOHN BENNETT, Atlantic Highlands, N. J.

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Your Money is well spent when you advertise in THE FLORISTS' EXCHANGE 2-8 Duane St., New York.

50,000 **CALIFORNIA PRIVET,** fine 1-year-old stock, 18 to 24 in., $3.00 per 100, $16.00 per 1000; 24 to 30 in., $2.50 per 100, $20.00 per 1000. Special prices in 5000 lots to dealers, all No. 1 stock. **5,000 extra strong AMPELOPSIS Veitchii.** Field grown vines, live tops and roots, now in cellar. $4.00 per 100, 500 at $3.50 per 100. P. S. 25,000 Canna Roots.

BENJ. CONNELL, Florist, **Merchantville, N. J.**

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We Grow a General Assortment of

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.

Prices Reasonable. Wholesale Trade List for the Asking

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STOCK FOR FLORISTS

ROSES for forcing—Hybrid Perpetuals and Ramblers, all the best ones: fine, strong stuff
CLEMATIS, AMPELOPSIS, TREE HYDRANGEAS and **LILACS, SHRUBS, VINES** and **PERENNIALS.** Write for prices.

Jackson & Perkins Co., Newark, (Near Rochester) **New York**

Nurserymen and Florists—Wholesale only. Use printed stationery.

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TREES AND PLANTS

Of every kind and description, in wholesale quantities
Trade list now ready

F. & F. NURSERIES, Springfield, New Jersey

"FLOWER OF FAIRFIELD"

THE "EVERBLOOMING CRIMSON RAMBLER"

The best Climbing Rose in the market, flowering during the whole Summer in large clusters of finest crimson color.

Prices for first rate plants with 3 to 6 shoots, open ground grown, $11.00 per 100, $100.00 per 1000.

Extra strong plants, with 8 and more branches at $15.00 per 100.

Package free, cash with order only.

SCHULTHEIS BROS., The "Old" Rose Gardens, at Steinfurth, near Bad-Nauheim, GERMANY

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WE ARE SHIPPING California Privet

100,000 still on hand. Order early before they are all gone

I make special prices on orders from this Easter issue, in large lots. Let me know at once about how many and the sizes you desire. Every one knows my stock is strictly No. 1, well graded; a sample order of 1000 will prove it.

Call and look it over.

CARLMAN RIBSAM, 31 Wall St., Trenton, N. J.
Nursery, Hamilton Ave.

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ROSES From 2-inch pots at Rose Lawn Greenhouses

Richmond, $3.00 per 100.
Kaiserin, $3.50 per 100.
My Maryland, $6.00 per 100.
White Killarney, $8.00 per 100.
CASH WITH ORDER

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National Florists' Board of Trade

56 Pine St., NEW YORK

WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Please mention the Exchange when writing.

Charleston, S. C.

This year, for the first time, Middleton Place Gardens, on the Ashley River, are to be opened for inspection by excursionists by boat. Beginning next week, one of the fastest and most commodious yachts on the harbor will begin making daily trips to the Gardens, and it is expected that many will avail themselves of the opportunity thus afforded of seeing one of the most beautiful spots in all the low-country.

Middleton Place Gardens were laid out by Henry Middleton, president of the Continental Congress, and the houses were built before 1765. The houses were burned by a detachment of Sherman's army during the Civil War. The Gardens were enlarged by Henry M. Middleton, United States minister to Prussia and Governor of South Carolina. Four Camellia trees, the first planted in this State, were set out at the Gardens about 1802 and two of these still survive. They were purchased from the famous French botanist, Michaux. Another owner of the place was William Middleton, who signed the Ordinance of Secession, and was on that account hunted by the Northern troops, who were anxious to hang him.

Middleton Place was raided by the British troops during the Revolution, by the Federal troops during the Civil War, and was finally nearly shattered by the earthquake of 1886. It has therefore passed through two wars and one great convulsion of nature, and has much of historical interest as well as natural beauty to commend it to the attention of lovers of the quaint and the beautiful.

St. Louis

Mrs. Dietschy of Alton, Ill., and Henry Emmans of Belleville, were callers the past week; both had a good word to say as to Easter business. Mrs. Dietschy is in charge of Fred Ammann's Alton store and says they have been exceptionally busy with big funeral orders of late.

J. Krug & Son at Alton, Ill., opened a branch store in the Pike Building last week; they celebrated their 49th year in business and both stores were crowded all day receiving congratulations from old time friends. They distributed more than 5000 flowers to the callers during the day.

Walter Pilcher made a trip to Chicago last week to initiate arrangements for the building of a range of new houses at his place in Kirkwood. Mr. Pilcher's new Violet, which sold above all others and at a higher price, gave him confidence that more will be needed next Fall and Winter, so the new houses are being built for them.

E. W. Guy of Belleville, Ill., had the sympathy of his many friends in the trade here when they heard that his place was partly destroyed by fire on Thursday morning, March 24. The loss was quite heavy and, coming right before Easter, was a great blow to him and his trade. The loss is estimated at $1500 to $2000.

W. C. Smith reports that Woerner Bros., who consign to his establishment, are erecting two new houses, 32x165, to be used for growing Roses; they will grow Killarney, both colors, and Richmond to start with. Heretofore, they only grew Violets and Carnations of which they made a great success.

Our nurserymen have had to hustle the planting of their orders as the weather has been more like July than March and everything is out in leaf. All report an early Spring trade. After the rush Frank A. Weber says he will take up the matter of inviting the American Association of Nurserymen to hold its annual meeting next year in St. Louis. He is chairman of the committee appointed by the Florists' Club to look after this matter, Messrs. Sanders and Halsted are also members of this committee.

The Engleman Botanical Club held an important meeting March 28 in the Central High School Building, to decide on a field meeting and other Summer attractions for the members.

In our residential district many who boasted of their fine Privet hedges of last year are carrying long faces these warm Spring days as the hedges fail to awaken; they have dried out from the hard Winter. The hedges at Shaw's Garden represent several varieties and most of them escaped the onslaught of the zero weather. Our nurserymen say that trade in Privet was the best in years. ST. PATRICK.

DECORATION DAY ROSES

Rose Frau Karl Druschki

Hardy Hybrid Roses

We offer extra-strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name:

Price, 75c. for 5 (of one variety), $12.00 per 100, $110.00 per 1,000 (immediate delivery)

Abel Carriere. Crimson.
Alfred Colomb. Carmine-crimson.
Anne de Diesbach. Bright carmine.
Ball of Snow (Boule de Neige). Pure white.
Baron de Bonstetten. Blackish crimson.
Baroness Rothschild. Satiny pink.
Capt. Christy. Flesh color.
Clio. Satin blush.
Duke of Connaught. Rosy crimson.
Duke of Edinburgh. Bright vermilion.
Eugene Verdier. Crimson-violet.
Fisher Holmes. Dark crimson.
Frau Karl Druschki. The finest white.
Gloire de Margottin. Dazzling red.
Gen. Jacqueminot. Brilliant crimson.
John Hopper. Bright rose.
La France. Pink.
Mme. Charles Wood. Bright carmine.
Margaret Dickson. White, with pale flesh.
Marshall P. Wilder. Cherry-rose.
Magna Charta. Dark pink.
Mme. Gabriel Luizet. Satiny pink.
Mrs. John Laing. Satiny pink.
Paul Neyron. Dark pink.
Perle des Blanches. White.
Persian Yellow. Yellow.
Prince Camille de Rohan. Dark crimson.
Ulrich Brunner. Cherry-red.

For prices see above

Baby Rambler Roses

BABY DOROTHY. The same in habit as Baby Rambler, but the color of the flowers is similar to Dorothy Perkins. It makes an excellent pot plant for forcing. Price for strong, field-grown plants, 85c. for 5, $16.00 per 100.

CATHERINE SEIMETH. A White Baby Rambler Rose, larger and better flowers than the type. White with yellowish center. 85c. for 5, $15.00 per 100.

MRS. WM. H. CUTBUSH. Color intense crimson and exceptionally free-flowering. 85c. for 5, $15.00 per 100.

MME. NORBERT LEVAVASSEUR (Baby Rambler). Strong, field-grown plants. 85c. for 5, $15.00 per 100.

THE TREE BABY RAMBLER. (Grown as a Standard.) The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. 40c. each, $3.75 for 10, $35.00 per 100.

BABY DOROTHY. (Grown as a Standard.) For description, see above. 75c. each, $6.25 for 10, $60.00 per 100.

Something New in Roses for Florists

Half Standard Baby Ramblers

These are Baby Ramblers, grown on stems or standards about one and half feet high, and will be a **novelty for your trade** you cannot profitably overlook. They are offered for the first time in this country in the following varieties:

BABY DOROTHY (Half standard). Deep pink. 60c. each, $6.00 per doz., $45.00 per 100.

BABY RAMBLER (Half standard). Crimson. 45c. each, $4.50 per doz., $35.00 per 100.

BABY CATHERINE SEIMETH (Half standard). White. 45c. each, $4.50 per doz., $35.00 per 100.

BABY "STARS and STRIPES" (Half standard). White and red grafted on the same plant; most attractive. 50c. each, $5.00 per doz., $40.00 per 100.

Ramblers and Other Climbing Roses

PAUL'S CARMINE PILLAR. Flowers large and free; color rosy carmine. Two-year-old, field grown. 85c. for 5, $15.00 per 100.

CRIMSON RAMBLER. American Grown. The only stock for forcing. Large heavy plants, two years old, mossed and packed in bundles of 10, 3 to 4 feet, $1.25 for 10, $12.00 per 100; 4 to 5 feet, $1.75 for 10, $15.00 per 100; 5 to 6 feet, extra heavy, $2.25 for 10, $20.00 per 100.

DOROTHY PERKINS. Lovely shell-pink color. $1.25 for 10, $12.00 per 100.

TAUSENDSCHON. The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. $2.25 for 10, $20.00 per 100.

LADY GAY. A seedling from the popular Crimson Rambler, which it resembles in habit and general effect. The flowers are of a delicate cherry-pink color, which fades to soft white. Strong plants, field-grown, 4 to 5 feet. $1.75 for 10, $15.00 per 100.

Flower of Fairfield — The Everblooming Crimson Rambler

This variety is a sport from the beautiful Crimson Rambler, is similar in color, more brilliant and lasting than the old favorite. It also possesses the further advantage over the Crimson Rambler in the fact that it flowers profusely on the young wood the first year. Flower of Fairfield is a vigorous grower and free bloomer. It starts to bloom early in the Spring and continues until late in the Autumn. It is rightly termed "perpetual blooming." 40c. each, $3.50 for 10, $30.00 per 100.

Veilchenblau (Violet-Blue)

It has long been the desire of rosarians to secure a blue Rose. In Veilchenblau we have practically approached this color. The steel-blue flowers of this new Rose appear in large clusters, are semi-double, of medium size and keep in bloom a long time. The showy yellow stamens contrasting with the blue flower, give the whole a striking appearance. 60c. each, $5.75 for 10, $55.00 per 100.

ARTHUR T. BODDINGTON

Seedsman 342 West 14th St., NEW YORK CITY, N. Y.

THE FRUIT AUCTION Co.

200-204 FRANKLIN STREET, NEW YORK
Horticultural Department: J. P. CLEARY, Mgr.

WILL SELL AT AUCTION

TUESDAY, APRIL 5th, 1910, at 10.30 a. m.

A consignment of 20 cases Holland Grown Nursery Stock, including, **Roses, Rhododendrons, Evergreens, Hydrangeas, Box Trees, Azalea Mollis, Magnolias, Aucubas, Shrubs and Vines, Snowballs, Paeonies, Iris, etc., etc.,**

FROM LEADING GROWERS

CATALOGUE MAILED ON REQUEST *REGULAR SALES THROUGHOUT THE SEASON*

Please mention the Exchange when writing.

New Seedling Rose

Radiance

A seedling from Cardinal, a brilliant rosy carmine with opaline tints in the open flower. The form is fine, large, with cupped petals, bud long, brilliant, radiant, with extra long stems, a constant bloomer, fragrant, foliage abundant and of splendid substance.

2½-inch pots, $18.00 per 100; ready for delivery in April and May

CASH OR SATISFACTORY REFERENCE

JOHN COOK, 318 North Charles St. BALTIMORE, MD.

Please mention the Exchange when writing.

A Rose for Every Greenhouse

GRAFTED ROSES

WHITE KILLARNEY, MY MARYLAND, PINK KILLARNEY, RICHMOND

Rose Pots .....$15.00 per 100
3½-inch Pots .....$18.00 per 100

BRIDES, BRIDESMAIDS, GOLDEN GATES, LA FRANCE, KAISERIN

Rose Pots .....$10.00 per 100
3½-inch Pots .....$15.00 per 100

OWN ROOT ROSES

WHITE KILLARNEY, MY MARYLAND, RICHMOND, PINK KILLARNEY, AMERICAN BEAUTY

3-inch Pots .....$9.00 per 100
4-inch Pots .....$12.00 per 100

BRIDES, BRIDESMAIDS, PERLES, SUNRISE, GOLDEN GATES, CHATENAY, KAISERIN

3-inch Pots .....$7.00 per 100
4-inch Pots .....$10.00 per 100

We will have large quantities of White Killarney and American Beauty Rose plants of the best quality for Spring Delivery.

Verbena and Coleus cuttings and plants ready for shipment.

Send for circulars.

J. L. DILLON, Bloomsburg, Pa.

Please mention the Exchange when writing.

THE AMERICAN CARNATION

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PTG. & PUB. CO., LTD. 2-8 Duane Street, NEW YORK

Baltimore

J. J. Morgan, 866 N. Baltimore st., reports he handled $2000 worth of cut flowers for Easter. He displayed one of the most artistic stalls, showing thousands of Carnations, Roses, Violets, Sweet Peas in various colors, Lily of the Valley and Jonquils; in fact, almost any cut flower in season could be secured. He is only a street flower merchant with nerve.

The Florists' Exchange did a rattling good business, handling thousands of flowers at very satisfactory prices. The amount of business exceeded last year's, and is due to the management of J. J. Perry. Narcissus and Tulips seemed to be the only drawback the Exchange had to contend with.

The two stores operated by Robert L. Graham did an exceptionally rushing business, selling out and disposing of a large number of orders.

Samuel Feast & Sons' show windows at their two stores were beautifully arranged and business was excellent. Their orders were extremely heavy.

E. A. Seidewitz handled a large amount of business. He offered handsome packages and baskets of the choicest cut flowers.

Halliday Bros. did a rushing business and handled a considerable quantity of bulbous stock. They did an especially large business in Easter Lilies.

Frederick Reitz handled over 40,000 bulbous flowers, and sold out with the exception of a few plants, which he disposed of the next day for $10. His greenhouses look as though he were moving out. This year is a record-breaker for him.

Stoll Bros. report a heavy call for bulbous stock and funeral designs.

G. T. Ekas has rented a stall under the eaves of the Lexington market, and has spent a good deal of money to make it up-to-date, erecting a large showy glass case with electric lights inside and the top filled with choice pot plants. He handled a fine line of cut flowers and plants, and the trade has kept him moving.

John Eberhardt's store was thronged with buyers all day and until a late hour at night. He kept open until 1 o'clock to do the charging and attend to the cash sales. He rented a store next door to show stock. His market trade was satisfactory, completely selling out.

Harry Quick showed a tastefully arranged stall in the market, filled with bulbous stock. His Spireas he is holding back for a local seed house. His business was extra good, everything cleaned up.

Charles Cook sold out at an early hour; his stock brought very fine prices.

James Hamilton displayed a stall of bulbous stock. It seemed to move rather slowly; at 10.30 p.m. he still had a large number of plants on hand.

Lurren's Flower Garden, 834-836 W. Baltimore st., reports the Easter trade as a record-breaker, business exceeding last year's. Mr. Lurren was completely sold out; however, he was able to take care of a vast amount of orders.

Otto Guerth had an abundance of orders, and it was necessary to turn his kitchen into a supply room. The help was compelled to work all night to dispose of the orders. At night the store was almost bare; everything sold out. Business was very satisfactory.

Conrad Hess, Waverly, Md., had a very attractive stall. Ferns, Azaleas and Genistas sold well.

Frederick Michael had a heavy call for pot Tulips and Narcissus, which brought 25c.

E. Van Ruth sold an abundance of pot Pansies and double Daisies at 10c.

H. Walters did a rushing business in cut flowers; Heliotropes and Geraniums sold for 25c. a pot.

Harry Ekas had in his stall some fine specimens of Paris Daisies that sold for

Grafted Roses

	100	1000
Bridesmaid	$12.00	$120.00
Killarney	12.00	120.00
W. Killarney	12.00	120.00
My Maryland	12.00	120.00
Bride	12.00	120.00

Rooted Carnation Cuttings

	100	1000
White Perfection	$2.50	$20.00
Enchantress	2.50	20.00
Lady Bountiful	2.00	15.00
Winsor	2.50	20.00
Victory	2.50	20.00
Mrs. Patten	2.50	20.00
May Naylor	2.00	15.00
Harry Fenn	2.00	15.00

One of our customers writes us:
"Carnation cuttings arrived in fine shape. We regret not placing a much larger order with you as much of the stock received from some other growers was so very poor."

EDWARD J. TAYLOR, Green's Farms, Conn.

Please mention the Exchange when writing.

GRAFTED ROSES

We have an exceptionally fine stock of grafted plants, strong, clean and healthy

	Per 100	Per 1000
White and **Pink Killarney, My Maryland, Richmond, Kaiserin, Bride, Bridesmaid,** 2½-in. pots	$15.00	$120.00

Own Root Stock, Ready Now

White Killarney, 2½-in. pots	8.00	75.00

S. J. REUTER & SON, Inc., Westerly, R. I.

Please mention the Exchange when writing.

WHOLESALE TRADE LIST

ASPARAGUS plumosus, 3-in. pots, $5.00 per 100.

ASPARAGUS Sprengeri, 2½-in. pots, $3.00 per 100.

CLEMATIS paniculata, 4-in. pots, $10.00 per 100.

CLEMATIS paniculata, 3-in. pots, $5.00 per 100.

CLEMATIS, 2 year old plants, dormant, $3.00 per dozen; colors, Purple, White and Pink.

DRACAENA indivisa, 4-in. pots, $10.00 per 100.

FEVERFEW, The Gem, 3-in. pots, $4.00 per 100.

DAISY PLANTS, White and Yellow, 3-in. pots, $5.00 per 100; 2½-in. pots, $3.00 per 100.

DAISY, Queen Alexandra, 3-in. pots, $5.00 per 100.

ENGLISH IVY, 3-in. pots, $5.00 per 100.

ROOTED CUTTINGS from soil, $1.00 per 100.

COLEUS, Verschaffelti, Queen Victoria, Golden Bedder, HELIOTROPE, blue; FEVERFEW; LOBELIAS, double and single blue; ACHYRANTHES; OAZANIAS; GERMAN IVY; AGERATUM.

Cash with order please.

C. EISELE

11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

ORDER NOW For June Delivery

Begonia Gloire de Lorraine

2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen

2½-in., $5.00 per 100, $45.00 per 1000

Poinsettias

2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis

2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.

Scranton, Pa.

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids.

The strain which I offer is unsurpassable. (August Seedlings); twice transplanted from flats, in five colors including fringed varieties, $3.00 per 100, $25.00 per 1000; from 2½-in. pots, $5.00 per 100, $45.00 per 1000.

GERANIUMS

Standard varieties, strong well grown plants, from 2¼-in. pots, $2.50 per 100, $22.00 per 1000.

CANNAS

Alphonse Bouvier, Duke of Marlborough, Chas. Henderson, Chicago, Papa Nardy, strong tubers, 2-3 eyes, $15.00 per 1000.

PAUL MADER, East Stroudsburg, Pa.

Please mention the Exchange when writing.

JOSEPH HEACOCK CO.

WYNCOTE, PA.

Growers of fine **KENTIAS**

Send for Price List

Please mention the Exchange when writing.

CROTONS

Fine varieties, first-class plants, highly colored, 25c., 35c., 50c., 75c. and $1.00 each.

DRACAENA SANDERI, 3-in., 25c.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

F. E.—Best Advertising Medium

$3 and $5 each. His bulb trade was excellent; he sold nearly every plant at high prices.

George Cook disposed of many first-class Hyacinths at 12c. to the trade. He was unable to get a stall in the market and at once set to work to wholesale and sold out very early in the day. He will not grow Hyacinths next year.

Walter Gray sold out completely and kept many hands on the go in town and at his range of houses.

C. B. Montgomery had a stall of choice Hyacinths, Spiræas and Easter Lilies that were disposed of at satisfactory prices.

August Eberhardt had a number of stalls in the market; he was unable to sell out completely; quite a few wagon-loads were sent back to his home and offered again for sale later. However, business in the end was satisfactory.

The stall of James Glass was almost a dream of beauty, showing all the up-to-date Easter flowers. Business flourished. His Harrisii Lilies were excellent and met with a ready sale.

The Market

Easter week came in with good, clear, warm weather. Never in the history of the local weather bureau was the weather so favorable. It set the plants blooming and considerable inferior stock was offered that it was impossible to hold back. We certainly had a glut of stock on the market, but somehow it all moved and at fair prices. The retail stores were stocked to their full capacity, and nearly everything was disposed of. The Lexington market was a veritable garden of flowers nearly all week. The market opened with nominal prices, but they gradually rose as the demand increased, and Saturday night prices for the pick of flowers continued to increase until some of the trade saw that if they did not use precaution they would be stuck—and then came a decided slump. The babble of voices of the flower venders could be heard squares away from the market. Taking it altogether, our florists made a magnificent display for Eastertide. Carnations were in good demand and sold at 75c. to $1 per doz. Roses, the early part of the week, went at $1 per doz. and up; Saturday night they sold for 50c. for good stock, and were plentiful. Jonquils were a perfect glut and went at any price; no sales were lost. Azaleas sold for 75c. up; Hyacinths, 10c. and up; Tulips, 10c. and up; Narcissus, 5c. and up; Sweet Peas, $1 to $2 per 100; Lily of the Valley as low as $1.50 for bunches of 25. Cinerarias were plentiful and sold cheaply; some of the stock was poor. Violets went at $1 per 100; the singles were plentiful. Pansies and double Daisies sold at 10c. per pot. There was also a large quantity of other plants of various kinds which sold well. Greens are still scarce. Laurel is coming in a little more regularly.

The writer is extremely glad to inform the trade that everybody is satisfied with the business done this Easter. J. L. T.

Fulton, N. Y.

Trade has been remarkably good all through the Winter, and the florists are very much pleased. The Easter trade was the largest they have ever had.

G. W. Perkins used the store next to his salesroom as an annex, and filled it with a very good assortment of Azaleas, Lilies, Tulips, Hyacinths, Daffodils, Roses, Lilacs, Palms, etc., all well grown stock.

C. R. Wetherby's place was filled to overflowing with a very fine assortment of plants. He had some very nice pans of Pansies, and quite novelties were a good lot of Calceolarias hybrida tigrina, with very large beautifully spotted flowers; they were the best I have seen for a long time.

There was a larger call for pot plants than cut flowers, as prices had to be advanced for them. Each year there is a noticeable increase in the number of churches making Easter displays of flowers. H. Y.

The Pecan ranks first as a table nut; it ranks first in quality of fat oil; it ranks first in food value per pound over all nuts. It is acknowledged by confectioners as the richest and most valuable. In the production of oil it gives the greatest quantity of the richest nut oil.

Nature has so arranged it that some kind of nuts will thrive in almost every locality. The Hickory nut does well in the North, the Chestnut in the central States, and the Pecan in the South. Walnuts thrive well everywhere. All of these are profitable for nuts and timber and are ornamental for shade.—*Nut Notes.*

Begonia Gloire de Lorraine

LEAF CUTTINGS. For immediate delivery. Stock in excellent condition. 100 for $12.00, 500 for $50.00.

Prices for larger quantities on application.

Bay Trees

(Standards and Pyramids)

Palms

In all sizes; always on hand for immediate delivery. Write for special wholesale price-list.

New Croton Fred Sander

A very striking variety. First Awards wherever exhibited.

3 inch pots, $1 00 each, $10.00 per dozen.

5 inch pots, $2.00 each, $20.00 per dozen.

Delivery from April 1st

ORCHIDS

LARGEST STOCK of established plants in America. Fresh imported plants from the woods now arriving. Write for prices.

Stove Plants, Box Trees, Blue Spruce and other Evergreens.

JULIUS ROEHRS CO.

Rutherford, N. J.

Please mention the Exchange when writing.

ROSES

Own Root, Fine Stock

White Killarney, 2¼-in., $1.50 per doz., $8.00 per 100. Chatenay, Carnot, Kaiserin, Killarney, Perle, Richmond, Sunrise and Sunset, $5.00 per 100. Bride, Bridesmaid, Golden Gate and Uncle John, $4.00 per 100.

Mammoth Verbenas

Rooted Cuttings, $1.00 per 100, $8.00 per 1000.

Asparagus Plumosus

From 3-in. pots, $5.00 per 100; from 2½-in. pots, $3.00 per 100.

Asparagus Sprengeri

From 3-in. pots, $5.00 per 100.

Dracaena Indivisa

4-in., $15.00 per 100; 5-in., $20.00 per 100.

MISCELLANEOUS

ABUTILON Savitzi, 2¼-in. pots, $3.00 per 100.

AMPELOPSIS Veitchii, Pot grown, $3.00 per 100 and $6.00 per 100 (two sizes).

ACHYRANTHES. Best varieties, $1.00 per 100, $8.00 per 1000.

AGERATUM. Blue and white, $1.00 per 100, $8.00 per 1000.

CANNAS, Dormant Tubers, $2.00 and $3.00 per 100, $18.00 and $25.00 per 1000.

CARNATIONS: From pots and Rooted Cuttings; send for catalogue for varieties and prices.

CHRYSANTHEMUMS, 60 fine varieties, Rooted Cuttings, $1.50 and $2.00 per 100.

COLEUS. Bedding and fancy varieties, $1.00 per 100, $8.00 per 1000.

CUPHEA platycentra. $1.25 per 100.

BEGONIA Erfordi. Pink and white, $2.00 per 100; Crimson Bedder, $2.00 per 100.

FEVERFEW, The Gem. $1.50 per 100, $12.00 per 1000.

FORGET-ME-NOT, $1.50 per 100.

FUCHSIAS. Double and single, $2.00 per 100.

GERANIUMS. Double and single, $1.50 per 100, $14.00 per 1000.

GERANIUMS, Ivy-leaved, 2¼-in. pots, $3.00 per 100.

GERMAN IVY. $1.50 per 100.

HELIOTROPE. 8 best varieties, $1.25 per 100, $10.00 per 1000.

LANTANAS, 2¼-in. pots, $3.00 per 100.

LOBELIA. New double blue, $2.00 per 100.

MOONFLOWER (True). White, $2.00 per 100; $15.00 per 1000.

SALVIA. New varieties, $1.50 per 100; $12.00 per 1000. Splendens and Clara Bedman, $1.25 per 100; $10.00 per 1000.

STEVIA, Variegata, and Compacta, per 100, $1.25.

SMILAX, from 3-in. pots, $4.00 per 100.

WOOD BROTHERS, FISHKILL, NEW YORK

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

The Easter Trade

With a view to ascertaining, exactly, trade conditions at Easter in different sections of the country, the following questions were submitted by the publishers of The Florists' Exchange:

A—Compared with last Easter, was business better or worse?

B—What plants were most in demand?

C—What cut flowers were most in demand?

D—What was the retail price on Roses, per dozen? American Beauty, other Reds, Pink, White, Yellow.

E—What was the retail price on Carnations, per dozen? White, Red, Pink, Variegated.

F—Also, what were the prevailing prices for: Gardenias, each; Cattleyas, each; Lilies, each; Violets, Wallflowers, Sweet Peas?

G—What is your opinion of the Easter trade in general this year compared with that of last year? Was it better or poorer?

The answers received are embodied in the following reports:

AURORA, ILL.—A—Much better. B—Lilies outsold all others, but Azaleas, Roses, bulb pans also sold well. C—Carnations, Roses, Sweet Peas, Violets, in order named. D—White, $2 down; pink, $1.50 and $1. E—Some brought $1, others sold at 50c. to 75c. F—Lilies, 25c. bud; Violets, short supply, poor stock; Sweet Peas, $2 per 100 for best stock. G—The largest sales we ever had, even with lower prices and the largest receipts. The weather was good, too warm for the grower, and the crops were so large that lower prices were made. There was no scarcity of anything, but on Sunday evening all good stock was sold in every place. JOS. M. SMELEY.

BETHLEHEM, PA.—A—Better. B—Pot plants. C—Violets, Sweet Peas, Roses and Carnations. D—White $2 to $3; pink $2 to $3; Richmond $2 to $5. E—75c. to $1.50. John E. Haines and Imperials. F—Lilies, 20c. per bud; Violets, $1.50 to $2; Sweet Peas, $1 to $1.50. G—Quiet but something better than I expected with our big strike on here for nearly two months.
JOHN E. HAINES.

BEVERLY, MASS.—A—Very much better. B—Easter Lilies and pans of Jonquils. C—Carnations, Violets and Jonquils. D—White, $1.50; pink, $1.50 per doz., red, $2. E—60c. for Fair Maid, 75c. for W. Perfection, Lawson, Enchantress, Variegated, Scarlet, etc. F—Lilies, each 20c.; Violets, $2; Sweet Peas, $2. G—Hard for us to compare, as we had no store last year. Opened store Nov. 15 last, and Easter trade better than we expected. Should say that the Easter trade in general was the best for years.
BENJ. LARCOM & CO.

BUFFALO, N. Y.—A—Better. B—Azaleas, Lilies, Dorothy Perkins Roses, and all good plants sold well. C—Violets, Killarney Roses, Valley, Sweet Peas. D—American Beauty, $9 to $12; white, $3 to $5; pink, $2 to $5; other Roses, $1 to $3. E—$1.50; Enchantress, White Perfection, Beacon. F—Lilies, each 25c.; Violets, $3; Sweet Peas, 75c. per bunch of 25; Cattleyas, each $1; Gardenias, 75c. to $1. G—The weather was ideal, Thursday, Friday, Saturday and Sunday, which gave all the people a chance to get out and buy. W. H. GREVER.

CANASTOTA, N. Y.—A—Decidedly better. B—Hyacinths, Tulips, Narcissus and Easter Lilies. C—Carnations, Roses and Violets. D—American Beauty, $3 to $6; white, $1 to $3; pink, $1 to $3. E—75c. per doz.; Rose Pink Enchantress, Lawson, pink and white. F—Lilies, each 25c.; Violets, $2 per 100. G—Owing to the fine weather the trade was good during the week, and it made the handling of plants much easier.
FRED TAYLOR.

CHICAGO, ILL.—A—Business better, but prices lower than last Easter. D—Lilies, Hyacinths, Tulips and Azaleas. C—Lilies, Carnations, Sweet Peas, Tulips, and Spring flowers. D—American Beauty, $3 to $10; white, $2 to $4; pink, $2 to $5; Richmond, $3 to $5. E—$1; Enchantress, White Perfection, Victory. F—Lilies, each 25c.; Violets, 50c. to $1; Sweet Peas, 50c. to 75c. per 100; Cattleyas, each 50c. to 75.; Gardenias, 25c.; Spanish Iris, $2 per 100.. G—Summing up the general reports, business was heavier, but prices falling on Saturday about balanced the receipts of last season. The onrush of stock on Friday and Saturday almost glutted the market, prices consequently dropping to move off the quantities on hand. Bulbous stock, being of excellent quality, was in as great demand as Roses and Carnation. Everyone had a little surplus on hand after business closed on Sunday night. The extremely fine weather was responsible for the advanced stock, and was also responsible for the disposal of it.
MRS. M. T. FLINT.

CINCINNATI, O. A—About the same. B—Azaleas and Roses. C—Easter Lilies, American Beauty, Bride and Killarney Roses. D—American Beauty, $4 to $8; white, $2 to $3; pink, $2 to $3. E—$1 to $1.50 for pink and white. F—Lilies, each 25c.; Violets $2; Sweet Peas $1.50. G—About the same.
E. G. GILLETT.

CLEVELAND, O.—A—Better altogether, although it was fine weather for pot plants. B—In Easter Lilies demand exceeded supply; good run on other plants. C—Carnations and Violets, but Roses, Tulips, Daffodils, Valley and Mignonette found good sale; no demand for American Beauty Roses. D—American Beauty, $8; white, $1.50 to $2.50; pink, $1.50 to $2.50; other Roses, $2.50 to $3. E—75c. to $1; Beacon, Rose Pink and White Enchantress. F—Lilies, each 20c. to 25c.; Violets, $1.50 to $2 per 100; Sweet Peas, $1.50 to $2 per 100; Cattleyas, each, 75c. and $1. G—Trade in general was much better. Potter plants had a big run. Mignonette, Pansies, Myosotis and Daisies sold well. Peter Nichols, Arcade Florist, reports a splendid business. Harry Piggott, Taylor Arcade, says he cannot remember when he has been as busy. Knoble Bros. had fine business. Smith & Fetters had a fine window display, and report fine business. The Exchange had some beautiful Lilies. The Cleveland Cut Flower Co. had fine Mignonette, Daisies, Pansies and Carnations. OPIE.

DETROIT, MICH.—A—Great increase in number and value of sales. B—Lilies leading. Plant trade in general much larger. C—Spring flowers, Violets, Carnations. D—American Beauty, $3 to $10; white, $2 to $6; pink, $2 to $6; other Roses, $2 to $8. E—$1; Beacon, $1.50. F—Lilies, $3 to $4 per doz.; Violets, $2; Sweet Peas, $2; Cattleyas, each $1.25; Gardenias, 50c. G—Decidedly better, with prices same as last year. Ideal weather conditions helped materially to increase the number of sales made. While no florist had any trouble to get full value for goods offered, and sales were made quite easily, still an attempt to boost prices above the real value was not possible. The wholesale market was more than filled with goods, the warning sent out by your correspondent some months ago to keep up a rotation of bulbous stock was apparently not heeded. The result was that an enormous amount of this product had to meet with a supply of Carnations magnified by ten days of ideal Spring weather. Although shipping trade was very heavy it was not sufficient to cope with such a condition, and consequently wholesale prices were comparatively low. FRANK DANZER.

FREDERICKSBURG, VA.—A—Very much better. B—Lilies, Azaleas, Cineraria, Hyacinths. C—White, $1.50; pink, $1.50 to $2; red, $1.50 to $2. D—Carnations, Sweet Peas, Violets and Roses. E—50c. to $1; Winsor, Enchantress, white and rose pink. F—Lilies, $2.50; Violets, $1; Sweet Peas, $1; Tulips, 35c. and 50c. G—We think it much better. We have opened a store on Main st., next to the post office, and our opening day Mar. 5 was equal to our Christmas business. Our sales for Easter are three times as much as last year.
COVEY'S.

FULTON, N. Y.—A—Much better. B—Azaleas, Lilies, Rambler Roses, Hybrid Roses, Tulips, Daffodils and Hyacinths. C—Carnations, Roses, Violets and Sweet Peas. D—White, $1.50 and $2; pink, $1.50 and $2. E—75c. and $1; Enchantress, white. F—Lilies, 25c. per bud; Violets, 75c. and $1; Sweet Peas, $1 per 100. G—Better by a third or more.
C. B. WETHERBY.

INDIANAPOLIS, IND.—A—Somewhat better than last year. B—Lilies, Azaleas, Jonquils and specimen plants of any kind. C—Sweet Peas, Roses, Lilacs and bulbous stock. D—American Beauty, $3 to $12; white, $1 to $4; pink, $1 to $4; other Roses, $1 to $3. E—$1 and $1.50 per doz.; White Perfection, Enchantress, Beacon, Victory and Aristocrat. F—Lilies, each 35c.; Gardenias, 75c.; Violets, $2 to $3 per 100; Sweet Peas, $1.50 to $2 per 100; Cattleyas, each $1. G—Somewhat better. Easter business was exceedingly late in starting this year and it seemed that the florists had a difficult lot, as the weather this month included over twenty bright days. It kept the growers guessing, and not a small quantity of flowers went to waste because of the inability to realize weather futures. Reports from all sources indicate that plants were particular favorites. All quarters in this vicinity were unusually well supplied with them, and the way they sold at the last moment was astonishing. Large orders were the exception, and it was evident that it was the masses who were helping the florist with his Easter trade. Deliveries were readily handled, as all conditions were favorable. A noticeable fact this year was that many people called in automobiles and carried the flowers away with them. At least three-fourths of the plant deliveries were made Saturday, an unusual condition in Indianapolis. Small Pearl Hyacinths proved themselves a novelty, as the sales indicated. Arrangements, such as fancy baskets and dishes, did not sell so well as they do during the holidays, or as did fine specimen plants. Inquiries from the retailers indicate that no one was left with an unprofitable surplus on his hands, and all seemed to be satisfied. Tomlinson Hall market was filled with plants for Saturday, but not over a good sized wagon load remained with the twenty odd growers by closing time. The automobile show in this city will take lots of stock during the present week and all the foliage plants have been engaged for garage openings. Indianapolis being a great manufacturing auto center, the show will no doubt result in much financial gain for the florists opening week.
I. B.

KALAMAZOO, MICH.—A—Better. B—Lilies, Azaleas, Tulips, Hyacinths, Rambler Roses, Spiræas. C—Carnations, Roses and Lilies. D—American Beauty, $3 to $5; white, $1 to $2.50; pink, $1 to $2.50. E—Light colors led at 50c. to 75c. F—Lilies, each 20c.; Violets, 15c. to 20c. bunch; Sweet Peas, 15c. per doz.; Cattleyas, supplied on order at $1 each. G—Every condition favored for a much better business than ever before.
SAMUEL BATSON.

LYNN, MASS.—A—About the same. B—Lilies and Azaleas, pans of Tulips, Daffodils and Hyacinths. C—Carnations and Narcissus. D—White, $2 to $3; pink, $1 to $3; other Roses, $1 to $3. E—75c. to $1.25; White Perfection, Enchantress and Beacon. F—Lilies, 20c.; Violets, $1.50; Sweet Peas, $1 to $2. G—Better if anything. Lilies as a rule were inferior to last year's. Cut flowers were rather soft on account of very hot weather the Friday before Easter.
J. L. MILLER.

LYONS, N. Y.—A—Better. B—Lilies, Azaleas, Spiræa, Hyacinths, Daffodils and Cinerarias. C—Carnations. D—American Beauty, $10; white, $2; pink, $2; other Roses, $1.50. E—$1, Lawson and White Enchantress. F—Lilies, 25c.; Violets, $2. G—Better, with more call for plants in bloom.
JAMES P. BOYLE.

MILWAUKEE.—The business was considerably ahead of last year, especially in the line of plants. There was an extremely heavy demand for Lilies and some well grown Baby Ramblers and Hydrangeas. These were the best sellers. There were quite a number of Azaleas in the market also, but the quality of plants were not as good as in former years. In cut flowers, the demand likewise was heaviest for cut Lilies, although there was a heavy call for small flowers such as Sweet Peas, Violets, Lily of the Valley and other Spring flowers. Fancy Carnations sold better than Roses, although there was quite a heavy demand for both. American Beauty, especially long stemmed, were very scarce although there were plenty of shorts on the market. Lilies were selling at retail at $3 per doz.; Carnations, the fancy grades at about $1 per doz.; Roses at $1.50 to $3 per doz; Violets, $2 per 100; Sweet Peas, $1 to $1.50 per 100. Easter trade in general was considerably ahead of last year and this was a great deal due to the especially fine weather we have had the past week and up to Easter. There was very little difficulty in making delivery on plants. There was a very heavy cut coming in in all lines, and all good stock was sold out clean.
C. C. POLLWORTH CO.

MONTREAL, CAN.—A—Better. B—Lilies, Rhododendrons, Hybrid Roses, Ramblers, Azaleas, Lilies. Spiræas and Hydrangeas did not sell. C—Violets. D—American Beauty, $3 to $12; white, $1.50 to $4; pink, $1 to $4; other Roses, 75c. to $3. E—$1; W. Perfection, Lady Bountiful, Winsor, W. & P. Enchantress. F—Lilies, 25c. bloom; Gardenias, 75c.; Violets, $2 per 100 for singles; Sweet Peas, $2 per 100; Cattleyas, each 50c. to 75c. G—Business was larger in volume but all agree that the holiday came too early. The ordinary plant buyer was missed. The weather was lovely and we are all truly thankful that Easter is over.
W. C. HALL.

NEWPORT, R. I.—A—Very much better, especially in plants in pot. B—Azaleas, Lilies, Genistas, Pink Rambler Roses, and bulbous stock in general, such as Hyacinths, Daffodils and Tulips. C—Violets, Carnations, Daffodils, Lily of the Valley, Sweet Peas. Only a limited demand for Roses and Gardenias. D—$2 to $3. E—Enchantress sold best, but all colors sold well. Prices varied from 75c. to $1.50 per 100. F—Lilies, each 25c. per bud and bloom; Violets, $1.50 to $2; Sweet Peas, $1.50; Gardenias, 50c. each. G—Very much better in all cases except cut Roses. The demand for bulbous stock was much greater. Not much call for Spiræas or Crimson Rambler Roses in pots. Lilies were the finest lot that we have ever seen, with plenty on hand yet practically all sold. Made up baskets sold well at good prices. The demand for large sized Genistas was phenomenal. ALEX. MacLELLAN.

ORANGE, N. J.—A—Much better. B—Lilies and Azaleas. C—Violets and Roses. D—American Beauty, $9 to $12; white, $2.50 to $4; pink, $2.50 to $4. E—$1 to $1.50; Enchantress, Winsor, Lawson. F—Lilies, 25c. per bloom; Violets, $2.50 to $3; Sweet Peas, 25c. per bunch; Cattleyas, each $1.50; Gardenias, 75c. and $1. G—Much better. Plants an increase. The warm, bright Easter influenced this largely. Church decorations on the increase. J. B. DAVIS.

PITTSBURGH, PA.—A—Better than last year. B—Azaleas, Lilies in pots, Roses, and particularly potted Hyacinths, Tulips and Narcissus. C—Lilies, Roses, Carnations, Violets, Tulips and Narcissus. D—American Beauty, $6 to $12; white, $5; pink, $5 and better. E—From $1 to $1.50 and a few at better prices to $2; pink and white sorts were in most demand. F—Lilies, 25c.; Violets, from $1 to $1.50 per 50. G—Considerably better; both cut flowers and plants sold well. The weather for Easter was ideal, a nice warm day brought out many people which helped trade very much. The stock of cut flowers was not overabundant. Plants were much in evidence and sold well, particularly potted bulb stock. Dutch Hyacinths sold remarkably well, the market was entirely cleaned up; 4-in. pots brought from 15c. to 25c. each. Daffodils in pots were also good sellers. In cut flowers, Carnations and bulb stock were the leaders, being more reasonable in price. Lilies sold very well, averaging about 12 to 15c., wholesale. Violets were poor, very much off color; good ones were scarce. Lily of the Valley sold somewhat better than usual. Weather conditions helped the cemetery trade; not in many years were so many flowers to be seen in the cemeteries. The commission houses all did a good trade and the stock handled was of a good grade, very little evidence of kept back stock. E. C. REINEMAN.

PITTSFIELD, MASS.—B—Azaleas and potted bulbs. C—Roses, Carnations and Violets. D—American Beauty, $5 to $6; white, $1.50 to $3; pink, $1.50 to $3. E—From 75c. to $1.50. We were very much pleased with our Easter. It being our first one here made it rather difficult to understand just what to purchase, but we were all right on everything.
S. G. BARNES.

PROVIDENCE, R. I.—A—Better. B—Azaleas, Lilies, pan bulbs, all kinds, sold well. C—Carnations and Violets; little shy on Roses from former years. D—American Beauty, $1.50 to $4. E—First class, $1; Beacon; white and pink Enchantress. F—Lilies, each 20c.; Violets, $1.50 to $2; Sweet Peas, $1.50. G—Better. Weather perfect. Good stock moved quickly. On the whole trade was satisfactory, and stock was never better.
WM. E. CHAPPELL.

ROCHESTER, N. Y.—A—Volume better. B—Azaleas, Hyacinths, Daffodils, Tulips. C—Violets, Pink, Killarney and Richmond Roses. D—American Beauty $2 to $10; white, $1.50 to $2.50; pink, $1.50 to $2.50. E—60c. to $1. F—Lilies, 20c. per bloom; Violets, $1 bunch of 50; Sweet Peas, 50c. bunch; Cattleyas, each $1.50. G—The volume as far as can be judged was better than last year; prices on cut flowers, however, were not up to last year. Easter business would undoubtedly have been far in advance of previous years but for the fact of an overabundance of material. Carnations were a glut on the market. Lilies also suffered, there being practically no demand whatever for cut Lilies. The ideal weather no doubt accounts for the oversupply; coupled with the fact that the custom of holding back for high prices was resorted to with disastrous results to all concerned. It is estimated that in the three days previous to Easter 70,000 Carnations came on to the market. H. B. S.

ST. LOUIS, MO.—A—From reports it was much better. D—Lilies had best demand; Dutch Hyacinths, Tulips and Azaleas, in fact all blooming plants sold well. C—Lilies, Violets, Lily of the Valley, Jonquils, Sweet Peas, Roses and Carnations. D—American Beauty, $10; white, $1.50 to $3; pink, $1.50 to $3; other Roses, from $1 to $2. E—$1 to $1.50; Enchantress, Pink Enchantress and any red. F—Lilies, $3 to $4 doz.; Violets, 50 to 75c. per bunch; Sweet Peas, 25 to 75c. per bunch of 25. G—From reports of the retailers, wholesalers and growers they say it was the best in years, thanks to the most beautiful March weather. ST. PATRICK.

SYRACUSE, N. Y.—A—Easter this year will go down as a record breaker in two respects, first in the volume of business done and second for the extreme warm weather prevailing at such an early date. B—Hyacinths, with Daffodils a close second; Azaleas were in good demand and sold well, as also Hybrid Roses and Baby Ramblers. Lilies also sold well, and there were plenty of them. C—Carnations, Roses, and bulbous flowers. D—American Beauty, $4 to $18; Richmond, $4; Chatenay, Killarney,

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Bride and Bridesmaid, $1.50 to $4. E—$1 to $1.50. F—Lilies, $3; Violets, $3; Cattleyas, $1 each; Lilac, $4 doz. G—Better; about 20 per cent. larger than previous years. There was a very noticeable increase in the number of growers and fruit stands handling pot plants, mainly owing to the mild weather. There were no novelties to speak of and prices were not advanced on pot plants.

TOLEDO, O.—A—About 50 per cent. better. B—Bulbous stock. C—Carnations. E—$1. F—Lilies, 25c. G—My honest opinion is that our florists here do not yet realize the possibilities of the Easter business; if they had the goods they would all go off. We have here not enough variety; our retailers get scared to invest a single dollar unless they are dead sure it will be an investment to turn out to their profit.
J. L. SCHILLER.

WASHINGTON, D. C.—A—Compared favorably. Unusually good in plant line. B—Easter Lilies led, Azaleas and Rhododendrons. C—Roses, Violets, (owing to great scarcity), cheap goods, Jonquils, Narcissus. D—American Beauty, $3 to $4; white, $2 to $2.50; pink, $1.50 to $2; other Roses, $1. E—$1; Enchantress. F—Lilies, $3.50 to $4 doz.; Gardenias, 75c.; Violets, $1 to $1.50 bunch; Sweet Peas, 50c. to 75c. bunch; Cattleyas, each $1 to $1.50. G—Rather better than last year; plant trade particularly good.
J. L. CARBERY.

WESTFIELD, N. J.—A—About the same. B—Lilies, Spiræas, Deutzias, Cinerarias, Primulas. C—Bulb stock. D—White, $1.75; pink, $1.50. E—$1.00; Enchantress. F—Lilies, 25c. bud; Violets, $1.50 per 100. G—About same as last year.
C. DORRER.

WORCESTER, MASS.—A—Far ahead of last year. B—Lilies, Azaleas and Baby Rambler Roses. C—Violets, Roses, Carnations and Daffodils. D—$1 to $3. E—50c. to $1. F—Lilies, each 25c.
C. R. RUSSELL.

EVANSVILLE, IND.—A—Better. B—Lilies, Cinerarias, Azaleas, Tulips, Hyacinths. C—Carnations, Roses, Sweet Peas, Valley, Am. Beauty Roses. D—American Beauty, $8; white, $2; pink, $2; other Roses, $2. E—$1; Enchantress family, Beacon. F—Lilies, each, 25c. Violets, $2; Sweet Peas, $1.50 per 100.
BLACKMAN FLORIST CO.

KNOXVILLE, TENN.—A—Much better. B—Easter Lilies, Azaleas, Rhododendrons, and Hyacinths. Spiræas dragged very much. C—Carnations and Roses. D—White, $1 to $3; pink, $1 to $3; other Roses, $1 to $3. E—$1.50 to $3; the Enchantress family, Lawson, Beacon and Winsor. F—Lilies, pot, 75c. to $5; Violets, $2.50; Sweet Peas, $1.50 to $2. G—It was much better and we are going to move within 60 days, so will be able to handle still more business.
CHAS. L. BAUM.

OTTAWA, CAN.—A—15 to 20 per cent. better than former years. B—Roses in variety, Hydrangeas, Lilies and Azaleas. C—Violets, Carnations, Roses and Valley, as named. D—American Beauty, $9 to $12; white, $2 to $3; pink, $2 to $3.50. E—$1 to $1.50; Enchantress, Winsor, White Lawson and Beacon. F—Lilies, 20c.; Violets, $2 per 100; Sweet Peas, $2 per 100; Freesia, $1 per doz. G—Business was much better than other years; good prices were paid and buyers were free and cheerful. Black stemmed Lilies were away ahead of other varieties. Roses can't be overdone. Small Azaleas, $1.50 to $2 a great favorite, also Rhododendrons. Demand for Lilacs greatly increased. Hyacinths and Tulips in pans were not favorites, although they used to be. Valley in pots always sells well. Pots of Freesia in good condition were quite a hit at $1.50 to $2. Violets for corsages, owing to the fine weather, were in great demand; from 30,000 to 40,000 were sold. Killarney Roses sold on sight. Carnations, all around, were very fine. Churches decorated about as other years. Plant baskets at Easter are not in much demand. Boston Ferns still kept in favor. All the florists satisfied.
E. I. MEPSTED.

PEKIN, ILL.—A—Better. B—Lilies, Rose plants, Hydrangeas. C—Carnations and bulb stock. D—White, $1 to $1.50; pink, $1 to $1.50; other Roses, $1 to $1.50. E—$1. F—Lilies, each, 25c.; Sweet Peas, $1. G—Better.
GEO. A. KUHL.

TAUNTON, MASS.—A—The largest Easter trade on record. B—Lilies and Azaleas. C—Carnations, Violets, Roses and Lilies. D—White, $1 to $2; pink, $1 to $2; red, $2 to $3. F—75c. on good stock, and large demand. F—Lilies, 20c.; Violets, $1.50; Sweet Peas, $1. G—Sold entirely out of all plants in bloom. The former custom of the growers in holding out for high prices was not observed, only a fair price being asked. The result was our cut flower trade was three times that of other years. We had first class stock at a third less price of previous years and the benefit was mutual between grower and retailer.
WILLARD & WILLIAMS.

TORONTO, CAN.—A—Better. Weather very fine. B—Bulbous stock, Cinerarias, Primulas, Azaleas, etc., were plentiful and generally sold well. C—Lilies, Roses, Carnations and Violets. D—White, 75c. to $4; pink, 75c. to $4. E—50c. to $2; Winsor and Lady Bountiful. F—Lilies, each 15c. to 25c.; Violets, $1 to $5 per 100; Sweet Peas, $3 to $6 per 100; Cattleyas, each 75c. and $1. G—Conditions were peculiar. Growers who a few weeks ago thought their stock would be just right had trouble to keep it back; and others who were not on time caught up and were just right. Thousands of Tulips and Lilies were too forward and were thrown away. Azaleas were over plentiful and the dealer that sold out was lucky; but with it all a record business is reported.
T. MANTON.

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WHITE	Per 100
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POLLY ROSE	2.00
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	Per 100
SNOW QUEEN	$2.50
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MONROVIA	2.00
ROBT. HALLIDAY	2.50
GOLDEN BEAUTY	2.50
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PINK IVORY	$2.00
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RED	
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Providence, R. I.

Business for the month of March was most satisfactory; funeral work and cut flower trade being in abundance. Owing to the weather, landscape and nursery work has opened up with a rush and help is in great demand.

The plant and flower church decorations for Easter Sunday were more elaborate than ever. Immense quantities of decorative plants, made-up designs and cut flowers were used.

Weather conditions for Easter could not have been better; it seemed to suit all kinds of Easter cut flowers and flowering plants; and there certainly was a great influx which was thoroughly cleaned out at good prices. In fact, it was the most satisfactory Easter trade the grower and retailer ever experienced; this is the universal expression of all connected with the business.

Wholesale prices: Am. Beauty, $4 to $12 per doz.; White and Pink Killarney, Richmond, Mrs. Taft, My Maryland, $12 to $15 per 100; Brides and Bridesmaid, $6 to $10 per 100. Gardenias $50 per 100. Lily of the Valley, $3 to $4 per 100. Violets, $1 per 100. Bulbous stock, $3 to $4 per 100. L. Harrisii, longiflorum, giganteum and Callas, $10 to $12.50 per 100. Sweet Peas, $1 per 100. Pansies, 50c. per 100. Mignonette, $2 to $4 per 100. Forget-me-not, $1 to $2 per 100. Carnations sold the best of all flowers and Enchantress took the lead by a long ways. Other good selling varieties were Beacon, Winsor, White Perfection, Winona, these kinds brought from $4 to $5 per 100. English Primroses, 25c. per bunch.

There is always great quantities of green stock used at this time; Asparagus, Adiantum, Smilax, hardy and fancy Ferns, all brought the regular market price.

The best selling varieties of Azaleas were Van der Cruyssen. Vervæneana, Emp. of India, Emp. of Brazil, Niobe, Bernard Andrea alba and Prof. Wolters; these sold from $1 to $12 each, according to size.

Rambler Roses in pots of the various varieties and shapes, sold remarkably well. Rhododendrons, Hydrangeas, Hybrid Roses, Spiræa Gladstone, Bougainvilleas, Double Daisies, Marguerites, Wistarias, Ferns, and Palms all sold well and brought good prices.

In Easter plants L. Harrisii and Azaleas had the lead while hardy Roses, especially the Crimson and Baby Ramblers in pots, were in great demand.

The weather during Easter week was grand; it could not be beaten for cut flowers and blooming plants and the shipping and delivering thereof. March 25 the thermometer went up to 78° in the shade. It was the hottest ever known about here at this date. Sunday, also, was an exceptionally warm day. The storekeepers worked late into night the last part of the week and on Saturday all night. Employer and employees were very glad when closing time came Sunday, as all were very much tired out, horses included.

Outdoor bulbs are all up and a day like last Sunday set them fairly leaping out of the ground from yellow nubs to green blades. A week's weather like this would see the bulb gardens ablaze with blooms. In sheltered places Narcissus and Jonquils are several inches up already.

O'Rielly, Leach & Sons, and Hoffman, Pawtucket (R. I.), retailers, report the best business they ever experienced at Easter.

M. J. Leach & Sons are to build two more houses, 200x50 ft., on their extensive plant at Pawtucket. This firm grows a general line of such stock as Carnations, 'Mums, Violets, Roses and bulbous, with immense quantities of bedding and vegetable plants, which they dispose of at their store in Pawtucket.

The firm of T. J. Johnston & Co. has added another new delivery wagon to their list of deliveries; it is artistically decorated and has a fine blood bay gelding to draw it that Mr. Brooke, the manager, was fortunate in securing for this turnout.

The greenhouses of John Macrea, F. Macrea & Sons, Geo. Kelley, T. O'Connor, E. J. Johnston, J. B. Canning, E. McCarron, Wm. Appleton, M. Sweeney, O. Williams, T. Curley, F. Hoffman and M. Leach were fairly ablaze with blooms of the various Easter plants and, as bedding stock is about in its prime, it added considerably to the grand show.

J. B. Canning reports the best Easter and Spring trade he has had since he first started in business, almost 30 years ago. Mr. Canning grows immense quantities of bedding stock and has two teams out selling this stock; he reports very satisfactory returns.

Eugene McCarron had a good Easter trade and is now busy with outside work. He does a great business in landscape work as he is in one of the best residential sections of this city.

A. Holchner picked over 50,000 Violets for Easter trade, La France and Princess varieties. He also had some excellent Sweet Peas and Pansies.

N. D. Pierce of Norwood (R. I.) reports an excellent nursery trade; he has one order which will go far beyond the four figure mark for trees, shrubs, etc., at the Pomham Club grounds. He has just received a large importation of nursery stock, twenty-six cases in all, principally Boxwood. Mr. Pierce also said he had a great demand for his new unnamed yellow Carnation at Easter.

O. Taft of Oak Swamp (R. I.) had an excellent crop of Violets for Easter; he grows principally bedding plants.

Miss Edith Sims has succeeded Miss Emily Sellew as head bookkeeper at T. J. Johnston & Co. There has been a great change in the staff of help of this firm. Ambrose Morrison has resigned to become a jewelry salesman and Jerome Powers has taken his place. Doc. Brooke of Albany, N. Y., and Al. Hambly of Newport have positions in this store.

G. A. J.

A Fine Lot of My Maryland Roses
As grown by the Dept. of Agriculture, Washington, D. C.

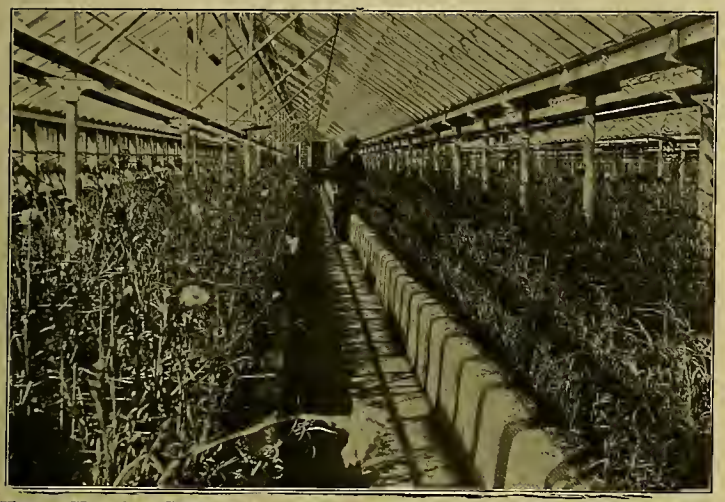
National Flower Exhibition at Haarlem

This exhibition for which preparations have occupied more than a year, was opened on March 23, in the presence of its patron, H. R. H. the Prince of the Netherlands, by his excellency the Minister of the Home Department, and will last until the end of May. It far surpasses the great horticultural exhibition held at Zeist last year, and is without doubt, of much more importance. The following letter details the arrangements made for the show: "This open air show will not only consist of exhibition stock sent in by bulb growers, but the famous cultures of Boskoop and Aalsmeer—shrubs and pot flowers—will be represented by the best things that are grown there, and will make a fine complement. One of the most remarkable phenomenons of this undertaking is certainly the circumstance that so many local sections of the General Society for Bulb Culture will come out with collective exhibits. It seems that all bulb growers, Holland over, have come to the conviction that in an exhibition like this one the attention in the first place ought to be drawn to the superior quality of the articles in general. So the section Lisse sent in all bulbs that must be planted on the lawn before the pavilion. First will be planted 47,000 Crocus; after them 30,500 Hyacinths; and, finally, 30,500 early and 3000 Darwin Tulips. The Crocus were planted last Autumn; the beds have a surface of about 600 square yards, laid on a spot of about one acre, constructed in the French style. The Hyacinths and early Tulips are planted at Lisse in boxes and in pots and very carefully brought into flower. As soon as the flowering of Crocus is over, the bulbs will be taken away and the Hyacinths will be planted. After these it is the turn for the Tulips. In that way we get a succession of flowers and colors, quite fresh; but it is a gigantic work, as there are needed for these changes 3000 boxes, each measuring 16x16x6 inches, filled with sand and bulbs to a weight of about 90 tons, not including the 8000 pots with Hyacinths and Tulips. For transport of the lot are wanted 30 wagons of the North and South Holland Steam Tram Co., cutting its way through the villages between Leiden and Haarlem.

"The execution of these arrangements is entrusted to the exhibition committee of the section Lisse. This committee consists of G. van der Mey, of the firm of G. v. d. Mey & Son, A. Guldemond, of the firm of Guldemond & Son, Jac. van Zanten, of the firm of M. Velthuizen van Zanten & Sons, all exporters at Lisse, J. W. Lefeber, G. van der Horst and N. Dames, bulb growers at that place; the latter two gentlemen are still old acquaintances of many readers of your paper.

"Though Lisse sends in a large lot, its local sending will quite disappear among the great mass of other exhibits of local sections or private growers. The section of Hillegom will come out with an Iris-shaped bed of soft-colored Hyacinths. The section of Bennebroek plans an arrangement in the style of a natural landscape. Bovencarspel planted Tulips in regular beds. Overyun will try to give a survey of all kinds of Hyacinths and Tulips grown there. Noordwijk will arrange some beds of Tulips in Roman style. Humstede, Sassenheim and other sections have done their best, and numerous exhibits of private persons will decorate the whole.

Beside these collections and collective exhibits a great number of firms from the Boskoop and Aalsmeer nurseries will send their best and finest shrubs. Although the city of Haarlem gave a surface of some 15 acres for this exhibition, the general committee was obliged to limit the exhibits because the space it had to dispose of was more than filled before the fixed time. J. BEUMER."



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Portland, Me.

The attractive windows of A. W. Dyer are exciting much interest this week by his unique collection of very youthful and energetic rabbits and guinea pigs displayed in one window and a choice collection of Spring flowers in the other. Mr. Dyer's success is due to originality of ideas, combined with perfect and most refined taste. At the Goddard Greenhouse Company's store some particularly fine things are noticeable, among them quantities of splendid Azaleas, for which Mr. Goddard is noted, finely grown Lilies and Dutch bulbous flowers, so popular this season in the larger cities.

The Portland Flower Store is most successfully managed by Miss Lougee. Her Easter showing of Roses, Carnations, potted plants and seasonable flowers is, as usual, arranged in a manner which appeals to all lovers of the beautiful.

The J. W. Minott Company's store this Easter is filled with the choicest and the best, as usual. Minott's Roses are famous for their beauty, and their Lilies are particularly fine and large this season.

The windows of Dennett the Florist always claim their share of admiration and a generation of satisfied and loyal customers has made this store one of Portland's most prosperous.

In the western section of Portland, "Sunnybank" is located. Mr. Wallace's reputation for flower culture is well known by Portland representative families many of whose hothouses have been in his charge. His own greenhouses are ideally located on Emery st. and here he raises Violets of immense size, and beautiful Carnations. His facilities for design work are unsurpassed.

The Hiawatha Flower Store on Preble st. is Portland's recent addition to the number and here is displayed a collection of cut flowers and potted plants which is securing for Mr. Hannaford a flattering share of the flower business. His stock is always fresh and well displayed.

The magnificent shop of E. J. Harmon & Co., New Baxter Block, is a revelation of beauty which is duplicated by few flower stores in the larger cities. Up-to-date in the arrangement of display refrigerators and window trims the store is the Mecca of the flower loving public.

Portland is headquarters for flowers and plants. Her florists are up to the minute and thoroughly reliable and Easter 1910 adds to her renown by the best display in her history.

Jamesville, N. Y.

T. M. Miller is a very happy man, as his wife presented him with a beautiful baby girl on Palm Sunday; it is earnestly trusted she may grow up to be a blessing to her parents. Business with him has been remarkably good all through the Winter, funeral work being very large. The whole place is in fine shape. His show house was very tastefully arranged with fine Azaleas, Spiræas, Callas, bulb stock, Ferns, Palms, Primulas, etc. A well-arranged show house, even if small, pays. The stock of bedding plants is very large and in fine condition. This Easter trade was the largest he has ever had, the Hyacinths, Tulips, Daffodils, Narcissus, Cinerarias and Primulas were a fine lot of well-grown stock. H. Y.

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FOUNDED IN 1888

THE FLORISTS' EXCHANGE

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Greenhouse Construction and Heating

With this issue we commence publication of a series of articles under the above caption which should prove timely and interesting. The series will comprise nine separate articles under headings as follows: 1, Plan for Future; 2, General Arrangement; 3, Form and Size of House; 4, Material; 5, Ventilation; 6, Benches; 7, Potting Shed; 8, Heating; 9, Boiler Room.

The writer, Mr. John A. Payne of Jersey City, N. J., whom we consider an expert on the subject, will present the standard constructions of today of the various manufacturers and, through the liberal use of diagrams and halftones, set forth details and descriptions, bringing out the various points of excellence in each. Naturally, this series of articles will also include in its scope the descriptions and uses of the many practical devices now on the market, all of which tend to improve the construction or heating service, as well as to lighten the labor of the florist.

This publication is timely and should prove of great value to the florist, especially the younger men in the business, and our friends could do us no better service than to draw the attention of their friends who may be non-subscribers of The Florists' Exchange to these articles, and have them subscribe for the paper now, so as to have the benefit of every issue in which this series will appear. To complete the series it will take some ten issues—perhaps more.

Native Azaleas

In your item about native Azaleas you do not mention Azalea canescens. I think this is classed as a form of A. nudiflora, but it differs greatly. A. nudiflora is shorter and stouter in growth and its flowers are generally a little less in size and grow more compactly in the clusters; the color varies from nearly pure white to a purplish rose and there is little or no fragrance to it. A. canescens grows taller and often more open in growth, and the flowers are not so crowded, which gives it a more free and graceful style; the flowers, too, are from light to deep pink and are exquisitely fragrant. The two have been offered indiscriminately under the name Azalea nudiflora, but in buying under that name there is no certainty which one will get. I have been growing A. arborescens for quite a number of years and out of a dozen that I obtained first I had two that were pink in color, the others varying but little in color from A. viscosa, but the flowers were considerably larger and opened several weeks later than A. nudiflora. This is an important point, because it extends the season. The pink form of A. arborescens was offered for sale some years ago, but a little later I could not obtain it, and I think it is not now offered at all. WM. F. BASSETT,

Hammonton, N. J.

Mr. Bassett always writes interestingly of plants. The point he makes of the later flowering of Azalea arborescens than the A. nudiflora is a good one to remember. It is in the line of recommendations of A. viscosa which have appeared in this department, because of its late flowering character. J. M.

Boston Orchid Exhibition

Postponement of Date for Entries

The date for entries for the Orchid Exhibition has been changed from April 1 to April 30. This extension of time will enable exhibitors to tell more easily just what plants will be in the right condition for the exhibition. Five orchid specialists have been selected to act as judges and a great effort is being exerted by the Mass. Hort. Society to make this the largest and most successful exhibition that it has ever given.—R. C.

New York Easter Trade

Weather conditions at Easter, in New York, were such as to almost entirely demoralize the cut flower business. Several days of warm weather preceding Saturday resulted in an influx of stock greater in magnitude than has ever been seen before at any season. Every wholesale establishment in the city was crowded to the utmost with arrivals covering everything seasonable in the way of cut flowers.

On Friday night Violets from "up river" came in avalanches, most of them in a condition which prevented their retention for any length of time. Consequently, the bulk of them went out through the street men, whose opportunities this year seemed unlimited. Saturday's arrivals of Violets were also heavy, but owing to the enormous clearances made by the street men the market absorbed them without any great difficulty and much better prices were obtained. Particularly was this the case with the evening arrivals, which reached and retained the dollar mark.

Roses, naturally, were in abnormal supply. Many hundreds of boxes came in all through the day on Saturday and on Sunday morning. Many of the shipments arrived in a soft condition and all hands were kept busy selecting the best grades, in order to effect a speedy clearance. American Beauty was in good supply but seemed to move slowly; the quality was all that could be desired, but buyers showed no enthusiasm for the flowers, and stock which on Tuesday before Easter had brought as much as 60c. was closed out at as low as 40c. for the best grades. On the other hand, Richmond, which appeared to be more than usually a favorite this season, held strongly to the figures obtained earlier in the week, 15c. to 20c. being the range of prices for the best stock. Pink Killarney was in tremendous supply, but much of the stock was considerably off in quality. Selected blooms were taken freely, and these about satisfied the trade demand. There were no fancy prices, 10c. to 12c. being the best obtainable, and the surplus was jobbed off at bargain prices. My Maryland was also in good supply but moved somewhat slowly with the Killarney so strongly in evidence and procurable at such low figures.

Carnations, although in heavy supply, were not in such large supply as Roses. On Thursday and Friday there was a movement among the wholesalers to hold prices up to $4 and $5; the heavy influx on Saturday morning made this impossible, and those who were fortunate enough to close out at $3 for the best stock have considered themselves as abreast of the market, as later in the day prices tumbled to $2 for the best, and in many cases bargain transactions cleaned up the flowers at much lower figures. Much of the stock which arrived was in soft condition and showed signs of sleepiness before changing hands.

There was no scarcity in the supply of Lilies; in fact, the supply was such that Easter quotations were considerably modified soon after the business began. From 10c. to 15c. were the prices prevailing at the outset. Much excellent stock went off at 12½c. The quality of the flowers was all that could be desired, but short stems governed values and this made minimum prices the rule rather than the exception. Long-stemmed stock was quickly snapped up at maximum prices; the lower grades, however, continued to arrive in such quantities that before Saturday evening 8c. to 10c., and even lower figures, would purchase almost anything in the Lily line. There was a good supply of Callas and the quality of the flowers was excellent. The prices of the Lilies, though, affected the Callas, and while they held firm in prices asked, the expected figures were not realized.

Bulbous stock was over-abundant. Enormous quantities came in from every direction and inside grown stock was heavily handicapped by the competition presented by outdoor southern stock, which fairly flowed in. This condition made it impossible to obtain anything like reasonable prices for Daffodils. Tulips, well-grown stock, were in great quantity but, owing to the weather conditions, most of the arrivals were in bad shape, the flowers being wide open and practically useless for any purpose.

Lily of the Valley was in good supply and moved fairly well, yet fancy prices were out of the question. About $3 was the top price for the best of the stock. Sweet Peas were quite abundant but, as far as clearances were concerned, were one of the best things in the market. The retail trade absorbed the best of the stock and the balance went out to the street men without any trouble. This clearance was probably due to the fact that prospects for a fine, warm day on Easter Sunday were so marked that dealers anticipated a great demand for flowers suitable for corsage bouquets.

Stocks, Snapdragons, Forget-me-nots and Mignonette, were all to be had in excellent quality and condition, and on the whole brought good prices.

Easter 1910 holds the record for plant sales. The business done in this line is almost beyond description. Plants approaching any degree of perfection were disposed of with little effort, and every grower reports, practically, a clean-out. Reports from retailers are to the effect that never before were sales so heavy. Plants with simple decorations were taken in preference to the usual offerings in basket, hamper and box combinations; indeed, the latter were conspicuous chiefly by their absence in many of the displays. This was probably due, to some extent, to the very fine appearance of Easter plants this year. Genistas, for instance, were presented in trained forms, which were decided novelties. Hydrangeas were also shown in forms different from the ordinary bush plant, and many fine specimens were seen grown to standard form. Wichuraiana Roses were more than ever in evidence, and some of the newer varieties were seen in specimens which might be considered absolutely perfect. Lady Gay, Dorothy Perkins, Tausendschön, Hiawatha, Apple Blossom, Mrs. Flight and others were remarkable for their fine finish and prolific flowering. The Rambler types, too, were of unusually fine quality, and were as popular as ever.

Orchids, particularly Dendrobiums, were quite prominent as plant offerings, and a made-up plant, tastefully arranged with ribbons needed very little in the way of basket decoration to make it attractive. Pots and pans of bulbous stock were greatly in evidence and enjoyed a remarkable sale. Flowering shrubs also caught the popular fancy.

Taking all in all, the Easter business amounted in the aggregate of value to fully that of last year, although with an over-supply of cut flowers a greater volume of sales had to be effected.

S. A. F. and O. H.

Mid-Lent Meeting of the Executive Board

The regular mid-Lent meeting of the executive board was held at the Seneca Hotel, Rochester, N. Y., March 12, 14 and 15. The entire executive board, consisting of President Pierson, Messrs. Asmus, Young, Vesey, Dailledouze, Rudd, Craig, Valentine, Vick, Kasting and Dorner, were present during the entire session. The usual routine business was transacted.

The report of the treasurer and the financial report of the secretary for 1909, and also the supplementary reports for January and February, 1910, were received. These reports were referred to a committee consisting of Messrs. Valentine and Dailledouze and were reported by them to be correct. They were then accepted by the board.

The treasurer was instructed to deposit all interest received from the funds of the Society to the credit of the reserve or permanent fund.

Several changes in rules relating to the management of the annual trade exhibition were adopted. For floor space the rates are to be as follows:

Minimum charges	$5.00
100 ft. or less	20c. sq. ft.
Excess over 100 ft., up to 200 ft.	18c. sq. ft.
Excess over 200 ft.	15c. sq. ft.

All signs, in any exhibit, whether on wall or elsewhere, shall not extend higher than 6 ft. 6 in. above the floor. The charges for sign space outside exhibition space shall be at the same rate as floor space. For wall space for exhibition purposes, and not for signs, the rates shall be one-half that for floor space. All signs used in the exhibition shall be black letters on a white ground. No other color shall be allowed to be used either for lettering or for ornament.

A resolution was adopted providing that the public should be admitted to the exhibition every evening at 7 p.m., and on Thursday from 2 p.m., until closing time; and at all other times the exhibition is to be closed to the public. An admission fee of 25 cents will be charged. All arrangements attendant upon the admission of the public are to be under the control of a committee consisting of F. W. Vick, Wm. Kasting and G. B. Hart.

Chas. H. Vick, on the recommendation of Vice-president Vick and the Rochester Florists' Association, was unanimously elected superintendent of the trade exhibition.

In connection with the committee of the local club the board visited the large Convention Hall offered for the trade exhibition and meetings and accepted it. This building contains about 48,000 sq. ft. of floor space and was considered by the members of the board to be the best hall ever offered for a trade exhibit.

President Pierson appointed John Westcott of Philadelphia as chairman of the committee on convention sports, with A. F. Vick, R. G. Salter and J. M. Keller as the other members.

The usual appropriations were made for the year.

Mr. Valentine submitted to the board an outline for the organization of a retailers' section of the Society. The plan in general provides that all members of this section must first become members of the Society. It contemplates a trade arrangement by which business in

distant towns may be exchanged on a safe basis as to quality of stock and credit. It was the unanimous opinion of the board that the idea is an excellent one for the Society and will prove valuable to the retailers.

It was the unanimous opinion of the board that a special meeting of the Society should be held during the time of the National Flower Show. A recommendation to that effect was made to the Society.

The following resolution was adopted:

"Resolved, That if five or more members write to the secretary expressing an especial interest in any given floricultural topic and request the organization of a section devoted to that subject, the secretary shall assign a place on the program to that topic and shall designate it by a suitable name as a separate section." The object of this arrangement is to provide sections so that members interested in these various subjects may get together and discuss them.

A tentative program for the coming meeting was adopted.

The board further indorsed the work of the experiment stations by passing resolutions commending the proposition for the State of New York to appropriate money for the erection of glass houses at Cornell University for experimental and teaching work in floriculture. A bill was recently introduced in the Legislature at Albany embodying an appropriation of $50,000 for this purpose.

The tariff and legislative committee was directed to fully investigate the cause of the present high price of glass and to take whatever steps are necessary to relieve the situation. It was also requested to recommend such tariff legislation as will prevent a recurrence or continuation of the present conditions.

The following amendments to the constitution and by-laws were presented, ordered placed on record and printed in the program for action at the next annual meeting: To amend Article V, Section 1 to read "The first annual meeting of the Society shall be held at Buffalo, New York on the first Tuesday of August, 1901. Subsequent meetings shall be held annually at *such time* and place as may be fixed by ballot at the morning session of the second day of each annual meeting and shall continue for at least three days."

To amend Article IV, Section 2 by striking out the figures $25 and inserting instead thereof $50, meaning to increase the life membership fee from $25 to $50.

On Monday night the members of the board were guests of the Rochester Florists' Association at their second annual banquet. The entertainment by the Association was much appreciated.

The following final resolutions were adopted: "The executive board of the Society of American Florists and Ornamental Horticulturists desires to place upon record their appreciation of all the courtesies which have been shown them by the Florists' Association of Rochester and to recognize the spirit of hearty co-operation shown by the members thereof. We can confidently look forward to an unusually successful convention next August. We recognize the liberality of the Chamber of Commerce in placing at the disposal of the Society the finest hall we have ever had for our meetings and exhibition, entirely free of charge. We have enjoyed a most pleasant time at the banquet and are more than delighted with the cordial expression of the various local speakers. We leave for our homes with the conviction that the earnest workers of Rochester will do their full share in making the convention of 1910 a complete success."

H. B. DORNER, Secretary.

Experimental Greenhouses for N. Y. State Florists

Prof. John Craig of Ithaca, N. Y., in his talk before the members of the New York Florists' Club and their guests, the visiting members of the American Rose Society at the twenty-third annual dinner of the Club last week, drew attention to the fact that the Empire State led all others in the extent and variety of its horticultural products, standing first in the annual output of deciduous fruits, first in the value of nursery products, first in the output of vegetable crops, first in the extent of land covered by glass for the forcing of vegetable and flower crops and first in the value of her floricultural products. This position has been attained by the growers with very light assistance from the State, the professor said, and to a great extent the fault rests upon the florist industry for the reason that it has not shown the aggressiveness of other interests.

Through the efforts of the State Florists' Association of Illinois there is now located at Urbana, in full running systemized operation, a fine range of greenhouses, amply endowed, all to be used for the purpose of conducting experiments in floriculture. The Florists' Club of Buffalo has started the germ of a similar movement, and a bill has been introduced in the New York Legislature providing for an appropriation to cover the cost of erecting greenhouses to be used in solving problems in commercial floriculture. The movement has received the endorsement of the Commercial Florists' Association of Rochester, and as well, has the support of the Executive Committee of the S. A. F.

We draw the attention of our New York State readers to this very highly important matter, and would suggest that each individual florist at once write a strong letter to the assemblyman as well as the senator representing his district, urging that the present bill be taken out of the Committee on Ways and Means, in whose hands it is now resting, and be pressed forward and made into law before the close of the present session. The State of New York is doing considerable work for agricultural interests, and it is reasonable to believe that our legislators would do as much for the florists if they but show themselves sufficiently interested in the matter.

The following is a copy of the bill, which was introduced by Assemblyman Lafay C. Wilkie, and has had one reading:

AN ACT—To build and equip a range of glass houses and service building for teaching floriculture at the New York State College of Agriculture at Cornell University and making an appropriation therefor.

The people of the State of New York, represented in Senate and Assembly, do enact as follows:

Sec. 1.—The sum of $50,000, or so much thereof as may be necessary, is hereby appropriated for the purpose of building and equipping, at Cornell University, a range of glass houses and service building, suitable for experimental and teaching work in floriculture. Such buildings shall be a part of the New York State College of Agriculture at Cornell University, and shall be located on such portion of the land of the university as may be designated by the trustees of such university. Plans and specifications for such glass houses, service building and equipment shall be approved by the department of horticulture of such college of agriculture. Such buildings shall be built and equipped by such University and such appropriation shall be paid by the state treasurer on the warrant of the comptroller on the order of the treasurer of Cornell University, but no part of such appropriation shall be available, except for advertising and for plans, until such University has entered into a contract with a responsible party for the completion of such work within the amount appropriated.

We trust also that the New York Florists' Club, at its next meeting, and the other organized floricultural bodies of this State as they hold their meetings, will place on record their desire to see this bill passed, and that copies of these resolutions be presented to the proper parties at Albany.

A courteous letter to your assemblyman or senator, showing your interest in the proposed bill, urging its immediate enactment and making your statement plain that horticulture is one of the leading interests of this State, and deserves the assistance called for by this bill, would be extremely effective at this time.

Perennial Delphiniums

A Special Strain Developed by Howard & Smith, Los Angeles, Cal.

Perennial Delphiniums

The illustration herewith is of a strain of perennial Delphiniums originating on the trial grounds of Howard & Smith of Los Angeles. The size and branched character of the inflorescence, also the size of the flowers are shown; the colors are of every conceivable shade of blue. In this climate it is a perpetual bloomer. To be sure, during the first half of the year it is more profuse than during the latter part, but always, Summer and Winter, with enough flowers to show their size and color. When the low relative humidity of our atmosphere is taken into consideration the behavior of these plants is very remarkable.—P. D. B.

Proposed N. Y. Wholesale Market

A joint committee consisting of a committee of five each from the New York and New Jersey Association of Plant Growers, the New York and New Jersey Market Florists' Association, and the New York Florists' Club met at the office of J. B. Nugent Jr., 42 West 28th st., New York City, on Wednesday, March 30. A. L. Miller presided.

Sidney H. Goodacre, deputy superintendent of markets of New York City addressed the meeting. He offered the space under the Queensboro Bridge at 59th st. and First ave. for the use of the Associations as a city market. The space under the bridge is 170 by 275 ft., varying from 40 to 60 ft. in height. The floor is already cemented, and the columns and ceiling tiled. One side and one end is already enclosed, and the other side and end arched between columns. These spaces the city will glass in, and will also put floors down for offices. A space outside, of about the same area as that under the bridge, will be available for wagons, and a sidewalk 70 ft. wide can be used for displays at Easter and other holidays.

The joint committee took taxicabs and visited the proposed location, and were much pleased therewith. The situation is central, as regards wholesalers and retailers, and is a favorable one for the Long Island, New Jersey, and Hudson River growers. It is also easily accessible from all parts of the city.

Mr. Goodacre said application for this space had already been made by the Market Gardeners' Association and it had been refused, and that he was now offering it to the plant growers and florists.

Wm. H. Siebrecht Jr., secretary, was instructed to see the comptroller and superintendent of markets and obtain the city's proposal as to terms and nature of lease, and to report at a subsequent meeting.

There is no trade medium published that begins to equal the EXCHANGE in giving returns to all of its advertisers. Test it for yourself.

Obituary

Israel Kinney

Israel Kinney of Bellefontaine, O., died at 1.30 o'clock Saturday morning, March 26, after an illness extending over a period of several months. Mr. Kinney was born June 19, 1831, in Belmont County and came to his present location in 1880. He was one of the most widely known nurserymen in Logan Co. He is survived by a wife and three children.

Arthur Boyle

Arthur Boyle, an old resident of Santa Fe, N. M., died there March 24. Mr. Boyle was born in Newcastle, Eng., Feb. 22, 1840 and after years abroad that were partly spent in the service of the Rajah of Sarawak, Borneo, Sir Brookes, he settled in Santa Fe. He was an enthusiastic gardener and horticulturist and carried on for many years a greenhouse and florist business in the Clarendon gardens on the south side. Mr. Boyle was a septuagenarian but was robust and active until his final illness seized him. He is survived by a wife, one son and one daughter.

John Shedden

The death of John Shedden, a well-known florist and landscape gardener, occurred Saturday evening, March 19, at his residence, 227 Carnation st., Pawtucket., R. I. Mr. Shedden was born in Scotland, 53 years ago, but had been a resident of Pawtucket for 23 years and his sudden death came as a shock to a large circle of acquaintances. Mr. Shedden has been for many years superintendent of Walnut Hill Cemetery at Pawtucket. He leaves a widow but no children. His funeral was held Tuesday, March 22, from his late residence. He was a member of the R. I. F. and G. Club. G. A. J.

Irving Z. Dodge

Irving Z. Dodge, years ago one of the most successful growers about here died at his late home, 95 Wilson at., Providence, R. I., on Sunday, March 20. Mr. Dodge's health has been on the decline for several years and he was totally blind. He had not been engaged in any business for the past ten years.

Mr. Dodge, twenty years ago, was the first man here to force the Jacqueminot Rose for cut flowers successfully, and he was an expert, particularly with plants on their own roots, which he forced from year to year; for ten years or more he was also a very successful grower of the most popular Tea Roses and Carnations as well as dealing in a general line of bedding plants. Mr. Dodge was a charter member of the R. I. F. and G. Club, and an Oddfellow. G. A. J.

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Introduction

The suggestions contained in these articles are not intended for those who have been engaged for many years as the owners and operators of greenhouses, as such owners have already learned by hard experience, much of the expense of which experience would have been saved them had they received and profited by suggestions such as are now offered. It is to growers who have just started or are about to start out for themselves that these articles are presented, in the hope that they will be of assistance in the consideration of the various phases of greenhouse construction and heating.

The first suggestion to be offered is:

Plan for the Future

Planning for the future is all important. Own your own property if at all possible; this does not necessarily mean that a large amount of ready cash should be locked up in real estate, but it is advisable to have a sufficient equity in the property to make it possible to secure a first mortgage for the balance from some reliable source at a fair rate of interest.

Where such a plan has not been feasible, many florists, who are well-to-do today, have started by leasing a desirable piece of property with the option of purchasing same at the termination of the lease, at a fixed price. In this way a lessee can put his best energies into the development of the property and feel warranted in putting up a better class of houses, feeling assured that others are not going to reap the benefit of such care and outlay.

A range of greenhouses is generally the result of years of development, beginning quite frequently with a single unit or house, and in the succeeding years, as business progresses, other units are added. Generally, in the past, greenhouses have been erected at haphazard, that is, a grower would decide to branch out on his own account and would secure a piece of property and erect upon it a greenhouse without giving proper consideration to anticipated development of his business, the result being that when he had extended his range by the addition of two or three houses he would find that, to get the best results, it would be necessary to undo all the preceding work; but as this would be impossible, without incurring too much expense, he would erect a succeeding unit and sink the separate boiler pit needed to accommodate the heating plant. Consequently there are some old ranges throughout the country having several small separate boiler pits, necessitating a great waste of fuel and time in the operation of the entire plant. All this could have been avoided by a little forethought in anticipating the development of the business.

In the erection of the first commercial house it is well to make a plan of the total available property and decide, as far as possible, when locating the first unit, how and where succeeding houses may be erected. In this connection some of the most important features which should be considered are as follows: Light, levels, soil renewal, water supply, drainage, shipping and receiving; and in the last items mentioned are included the matter of receiving of the fuel for boilers. All of these items must be considered together, as one is very largely dependent upon the other, but they are mentioned in the order of their importance when under consideration. Of course, any of them may be governed by fixed conditions over which the owner may have no control, such as buildings, or trees on other bounding property.

Light

The question how to obtain the greatest amount of light as many hours as possible during the day cannot be considered as a whole unless there is an unlimited amount of room at one's disposal for general growing purposes. The house should be located, if possible, so as to get the full advantage of the morning and afternoon sun. Where large glass is used, a greenhouse running north and south has been found by many growers of general stock to give excellent results; but where small glass is used there is considerable shadow when the rays of the sun strike the house lengthwise in the depth of the Winter, owing to the roof bars being so close together, a disadvantage overcome by the use of the larger glass. Of course, the crop to be grown will in a large measure regulate the direction in which it is most desirable to run the greenhouse.

Levels

If the property on which the range of greenhouses is to be located is absolutely level, or very nearly so, the question of levels is easily disposed of, but in some instances the ground is irregular, and to avoid the great expense of grading and filling it is necessary to consider the construction of the range at various levels. Such a condition is an unfortunate one, as, necessarily, a greater expense is entailed in the operation of a range of greenhouses on different levels than if the entire range was on one level; therefore, if at all possible, a level site should be chosen, but where such is impossible, the matter of heating the range from one central point should be given close consideration. It is most important, in order to secure economical results in both fuel and attention, to concentrate the heating plant. Where it is desired to operate the heating plant under a gravity system, the boilers, for either steam or water, must be located at the lowest point of the plant. It will be necessary to make provision at this point for a boiler pit which can be extended to the maximum size required for the full size of the range, as far as can be anticipated; and, for the sake of economy, at the start it would be advisable to place the first house at the lowest point and close to the boiler pit.

Where hot water is to be used, it will be necessary to observe great care in the connection of future houses which will be located higher than the first, so as to prevent their robbing the lower houses; and in case steam is used, circulated under gravity, it will be absolutely necessary to take measures to prevent the short circuit of the steam through the return pipes in the upper houses. However, these are matters which will be considered under the head of heating.

Some very successful greenhouse ranges have been built on a quite steep gradient, the houses being specially constructed for this purpose; but, undoubtedly, the best and most economical results can be attained by, as far as possible, keeping all houses on the same level. The next consideration is the matter of convenience for

Soil Renewal

This is a matter which is quite frequently overlooked, not alone in the erection of a grower's first house, but also in the arrangements for future houses. Facilities for soil renewal should receive careful attention, as by proper arrangements at the beginning considerable expense in the matter of handling soil in future years may be avoided.

If it can be planned to take the soil into the houses from both ends, so as to have as short travel as possible in the houses themselves, it is advisable to do so, and if it should be decided to erect the range with the workroom building cutting the houses in two, there should be allowance made for free access to both ends of the workroom. This will be considered more fully under the head of workroom building.

The Water Supply

The source of supply is, generally, either from wells sunk on the property or from a water service system. The latter, of course, is the better for the grower who is erecting his first house, but it is necessary to see that the main which supplies the house is of sufficient size to give the proper flow and pressure required. Water supply is a matter over which the grower, at first, may have very little control, but it should be taken into consideration in locating the property, as also the facilities for increased water supply for the future, and the cost of making necessary connections. It is also advisable to look into the matter of the possibility of sinking a good artesian well on the property, as it is very desirable not to depend on one source of water supply only.

Drainage

Cases have been known where growers starting in business have erected a first greenhouse after careful consideration of many of the features in connection with the building of a future business, but overlooked the important matter of drainage until brought face to face with the problem in the course of the construction work, and the oversight has been the cause of considerable expense, all of which could have been obviated had the condition been given proper consideration and some changes made in the location of the first house in the range. Drainage is a very important matter, and where a drainage system already exists the levels of the drains should be obtained, and a method of connecting the boiler pit and other parts with such drains should be carefully mapped out.

A boiler pit constructed without proper drainage may mean in some cases the loss of an entire crop, through the flooding of the pit, and the putting out of the fires when heat is most needed. Again, by having a properly drained boiler pit it is possible to keep it dry, which adds considerably to the life of the boilers. If there is no drainage system near the proposed location of the greenhouse, provision should be made for a cesspool, of ample proportions, properly located and constructed.

Shipping and Receiving Facilities

The matter of shipping facilities is one which the grower will have to consider in connection with the character of his product, the method of reaching his trade. The question of receiving embraces chiefly the matter of getting in fuel supply for the boilers, and as, quite frequently, the expense of handling the fuel for the boilers has been materially increased by failure to consider this question, it is presented as one to be carefully considered. While it does not present itself as a very important factor to the grower who is just building one house, yet when planning for the future it is a serious problem. It is not a very difficult matter to handle forty or fifty tons of coal a year, but with future development the supply may run to ten or twenty times this amount, proportions which make proper consideration of the matter at the outset imperative.

Much of the foregoing may seem very foreign to the matter of greenhouse construction and heating, but it is all of the greatest importance, and spells either success or failure for the best possible greenhouse construction.

(To be continued)

Establishment of Isaac H. Moss, at Govanstown, Md.

Begonia Semperflorens Berna

This Swiss origination, while not a novelty is considered by the gardening authorities of that country as the best Begonia for outdoor bedding now to be had. It is described as follows in Moeller's Deutsche Gaertner-Zeitung: The plant comes very true from seed and grows to a height of nearly 12 in. The leaves are dark green; the brilliant carmine red flowers rise well above their foliage and their coloring is so unique and pronounced that it at once takes the eye; while the blooms are not unusual as to size they appear in extraordinary profusion and are very lasting. Under the proverbially inconstant Swiss skies Berna always preserves its brightness. With these many good qualities the plant should find its way more generally beyond the Swiss frontier.

Readers are requested to write us on any subject bearing on trade conditions. If the subject interests them it will, in all probability, interest many others.

Sixty Years of Retrospect
With Notes by the Way

By Stephen Taplin, Nurseryman and Florist

WHEN I was about seventeen years of age I commenced my apprenticeship to the gardening profession. Up to that time I attended a day school when I could be spared from home. My father was a farmer and worked a brickyard and limekiln, all of which furnished lots of calls on a boy's time besides the regulation chores; from three a. m. to school time, and again from four p.m. until dark there was no let up. Through the busy season it often happened there would be a man short, then I must cut out school and take a man's place; the work did not hurt me and my appetite never failed.

Schools in those days were not what they are now. I often think the epitaph they placed on the old village schoolman's headstone would have been very appropriate in many other cases—it read as follows: "They paid me little and I taught them less!"

It was eight miles to the nearest market town; our village, Overton, dwindled down to about two thousand

Stephen Taplin

inhabitants when the London coaches were taken off—this happened when the London and Southwestern Railroad was opened.

At this time I learned more about chalk, lime and different clays and the uses they could be put to than could be learned in a lifetime outside of practical experience. It was all farms for miles, with large patches of woods and timber, both of which was a great source of income to the landlord, as everything was handled with system by men who could give many points to those who are now sitting at their desks telling the way to reforest the pine barrens of Michigan.

For miles around extended the greatest sheep raising part of England; it was the home of the Southdown, a breed of sheep I often see named in State Fair and other stock reports in this country. In the Agricultural College of Lansing's display of forage and fodder plants, at the Michigan State Fair, I have noticed plants which I had not seen since leaving my home; some of them were grown there as a catch crop, some for fodder in Winter, all of which was of great importance to the English sheep farmer. As a rule, where there were plenty of sheep raised good crops were the rule; if no sheep were raised poor crops prevailed and the farm would soon be to rent. But I am afraid I am getting too far off the road.

It was in the year 1850 that I left my native home to commence serving my time in what was then known in England as gardening, which embraced an education in the art of growing everything required at a private establishment, such as forcing fruit, including Pineapples, Grapes, Peaches, Nectarines, Strawberries, Melons, etc.; forcing vegetables, as Mushrooms, Asparagus, Sea Kale, Bush Beans, Cucumbers, a general assortment of Salad Greens, besides many kinds of herbs for flavoring, required in a green state the year around. Growing of flowering plants to keep the conservatory going from October until June. Kitchen gardening, including everything in the line of hardy fruit and vegetables. Wall fruit trees, which require much more skill, practice and close attention than any one who has never been through the mill can have idea of. Flower gardening was another important feature at that time; there were no foliage plants for ribbon borders and carpet beds; such plants, if they were known, could not have been grown as the ground did not get warm enough for them. Pansies and Violets in distinct colors, Dwarf Daisies, white and pink. Forget-me-not, hardy Candytuft, and a few other things would make a fine display from early Spring until late Fall. In some cases, Box and Ivy were used to good effect. In Winter some of the beds would be filled with dwarf Holly, green and yellow, Yews, Box and other hardy evergreen shrubs; these would be taken up in the Spring and planted in reserve ground for the next Fall, the object being to hide the unsightly spots of bare ground through the Winter. Many things were brought into play for that purpose which, in this climate, would be either ruined by frost in the Winter or by the sun in February and March.

The place I started in was in a mining and manufacturing county, so, to me, it was like a new world in every respect. I was laughed at for many words I spoke and for names I called many things. I was laughed at for asking why they raised only black sheep as where I came from they were all white. I soon found the reason for the black sheep; the wind from a certain point brought the smoke and soot from the works and, in damp weather, the sheep would get the color from the grass at night.

The garden, in its every department, was the neatest and best kept place that I have ever seen in any part of England. It was one of the many places in that country where the gardener had to sell everything raised over and above what was wanted for the family. He was a first-class gardener, knew what to grow and how to grow it.

The place, pleasure grounds and shrubbery, including the flower garden, was of medium extent, containing many fine and choice things in trees and shrubs, both evergreen and deciduous, also some fine coniferous trees. The drives and walks were kept in perfect condition at all seasons. The walled-in kitchen garden contained four acres, and was surrounded by about two acres, enclosed with a deer fence eight feet high; in addition there was a small nursery where hardy trees, mostly from seed, were raised for planting in different parts of the estate; from observation of this latter I picked up several points which I have never seen in print nor heard at a lecture on the subject, but points which, in later years, I found very useful.

The forcing houses consisted of three leanto Grape houses where Grapes were cut from about the middle of May to the first of February; two peach houses which gave large crops of perfect fruit, such as would fetch from ten to thirty shillings, (English), per dozen in Covent Garden market. There was one Pineapple house for fruiting, and a pine pit for succession plants; at that time pine growing was in its infancy, it would take about three years from the time the suckers were put in until the fruit was cut, for some of the kinds much longer; others would commence to decay at the bottom before they were ripe at top. While there I learned something about Pines which I could not then understand but was pretty sure the treatment was not right. Pine growing will be treated on later, as I have proved that this gardener was very deficient in his knowledge of that fruit. In all my experience I have never found a gardener who was a success in everything; if he was ever so successful in many things, there would be some he would slip up on.

The staff employed consisted of eight laborers, the foreman and myself. I was at first assistant to the foreman who had charge of the forcing houses, he having had two years' experience in the indoor department under a foreman; he was just about the age where he liked to show his authority over some one who could not defend himself, so plenty of kicks, cuffs and abuse came to my share; so far as being shown or told what to do or how to do it, he did not think that was required. I kept well in mind the treatment I then received, and came to the conclusion in later years, when I saw a youngster trying to get ahead, to show and tell him all I could, then if I found he would not pay attention or thought he knew best he would have to take his dose.

We had two small rooms in the garden; at six p.m. the men went home; we got our supper, then worked till nine p.m. by daylight in Summer and candle light in Winter, making sticks, labels, cleaning seeds, bunching Onions and endless other jobs. We had to cook and clean house and do everything of that sort for ourselves. I was a pretty good plain cook after a time—no fancy dishes.

At the time of my first experience with fruit growing under glass we had about as many pests to fight against as Rose growers have at the present time and, as we had but just one crop in the year to depend on, if that crop failed or damaged, it was much more disastrous than a setback in a house of Roses or Carnations would be today.

With Peaches, the wood each season, while dormant, had to be dressed over with a small brush with a mixture prepared for it, a pleasant job in cold weather. Brown and white scale on hard wood, green and black aphis, thrip, red spider and mildew were the troubles on new wood. Grape vines were cleaned and dressed before starting; thrip and red spider on the new growth required most careful watching. A few years later mildew was either imported or broke out, like smallpox, on growing Grape vines; this caused losses in England of many thousand pounds sterling until a wash was found to check the mildew before the young growing Grapes were damaged. Pineapples were liable to white scale and mealy bug, both of which caused the fruit to look badly, and was always regarded as a disgrace to the grower, as it was almost impossible to get rid of either without sacrificing the whole stock, and then use the houses for something else for a year or two. At one place I took charge of I found the worst development of scale I ever saw; at another place I found mealy bug so bad that the fruit had to be washed and scrubbed, and was then not worth half price. In both cases I had the entire stock perfectly clean in less than twelve months, without sacrificing a plant, and had as fine a lot of plants as I ever saw. The condition the stock was in at both places, when I took hold, was well known, and the result of my treatment was soon spread around, and I had gardeners from all parts coming to find out how it was accomplished. My early experience with sprays, dressings and dopes of all kinds, and the strength to use them in for various cases and conditions, I have found very useful in later years.

I would like to give a few points on wall trees, pyramids, bells and other ornamental styles of growing fruit trees, but I am afraid it will use up too much time and space for the amount of interest that would be taken in this progressive age, as these must be already fully formed and require no attention after, like Lombardy and Carolina Poplars for shade trees.

Acanthorhiza Aculeata

The plant shown in the foreground has seven branches; the plant to the rear has four. These two specimens were discovered by Ed. Howard in the wilds of Southern Mexico and brought to Los Angeles by Mr. Doheney. Each plant weighed a thousand pounds. Prof. Bailey says this species is called the Spineless Palm, but as to A. aculeata a more thoroughly spiny Palm I have yet to see. The spines are not long, but so dense and interwoven that the entire body below the petioles has the appearance of a scrub brush which has been in use long enough to break down the bristles and form a solid covering with short, sharp points. Of the thousand plants met with, these two were the only ones with branches.

P. D. BARNHART.

Acanthorhiza aculeata

Establishment of Arthur T. Boddington, New York

The recent extensions and improvements to the business quarters of Arthur T. Boddington at 342 West 14th st., New York, signalize in great measure the remarkable growth of Mr. Boddington's seed, bulb and nursery stock business.

This enterprising gentleman came to this country from the well-known English house of Dickson's, Ltd., Chester, when he was about 17 years old. After his arrival, he joined the staff of Peter Henderson & Co. on Cortlandt st. and remained with them for two years, after which he connected himself with the then prominent firm of Pitcher & Manda, Short Hills, N. J., with whom he remained for seven years.

In 1896, he, with R. W. Clucas, who was also connected with Pitcher & Manda, started business under the firm name of Clucas & Boddington, on 13th st., afterwards moving to the site at 342 West 14th st., a site which Mr. Boddington was again to occupy under his own name in years to come. In 1904, Mr. Boddington withdrew from the firm and eighteen months later its business, which had become a corporation, was discontinued.

After severing his connection with the Clucas & Boddington business, in 1904, he opened a small office on Warren st., but continued there for a few months only. In July of that year he rented the W. 14th st. store from which the Clucas & Boddington business had been removed to Greenwich st., which he now occupies, and where his business grew to such an extent that not only was the store and basement used fully for the requirements of the business, but three cellars and other storage space had to be secured outside. The next year he was able to secure the floor above the store which still left him with quarters inadequate to the growth of the business.

Store of A. T. Boddington, New York. Packing and Shipping Dept.

Store of A. T. Boddington, New York. Retail Department

In September, 1908, when the Standard Oil Company vacated the large double store immediately in the rear of the Boddington premises, possession of the same was secured, the acquisition affording about three times as much space as hitherto enjoyed, all in the rear of the store, thus allowing of the concentration of all the stock on the premises occupied by the business. The combined stores and basements are well suited to the business and afford as much or more space than is to be found in many of the larger buildings of the city in use for similar purposes.

About 2500 ft. of floor space, which is practically the whole main floor of the old premises, is devoted to the seed department and office quarters. The fittings in this department have recently been overhauled and the store remodeled, with the consequence that a most up-to-date and thoroughly equipped seed store is now in evidence. Every convenience possible has been installed to facilitate the handling of a large retail and mail order business. The office quarters are quite extensive and include private offices for Mr. Boddington, and H. A. Bunyard, his energetic aide. Passing through the store, a visitor enters the shipping department, which is well lighted and admirably adapted for shipping and stock purposes. A section of this floor, with frontage on the rear street, provides storage space for large quantities of grass and other light seeds, and Cannas, for enormous sales of which latter the house has become justly celebrated.

In the basement, which is practically "T" shaped and extends through the block, as does the floor above, are to be seen about 40,000 Roses, waiting to go out on orders. This stock embraces about everything obtainable in the Rose line, from the Baby Ramblers, to the Hybrid Perpetuals and the Hybrid Teas. Outside of the Roses, climbers, such as Ampelopsis Veitchii, Clematis, etc., are the only nursery stock carried. A large bulb stock is carried at all times. Immense quantities of Gladioli, Dahlias and other bulbs are to be seen, all conveniently located for ready handling, kept in slatted trays to allow free circulation of air. As an idea of the immense business done in this line it may be mentioned that 100,000 bulbs of Gladiolus "America" alone are being handled this year. The arrangements of the basement are very complete, there being plenty of room for the Rose stock and its proper handling, as well as the other stock carried. There is a separate room for fertilizers, which can be kept tightly closed, a convenience which prevents the permeation of bad odors throughout the building.

The stock of Canna roots is enormous, the sales in this line alone being expected to run to 750,000. Growers' contracts for next year made by the house cover a stock of over 900,000 roots. Shipments of Cannas have been made to Holland and to England.

In the seed storage department an immense stock of Sweet Pea seed is to be seen, but the demand experienced for it is diminishing it very rapidly. Four and one-half tons of this seed have been handled this Spring, and several orders from it have been filled for England and other points. Mr. Boddington early recognized the value of the newer strain of Sweet Peas known as the Spencer type and was one of the first to push it in this country.

Vegetable seeds have also become a leading specialty here, and a very large trade has been worked up in them, a trade which has been very largely due to the fine quality of seed carried.

The organization of the business is divided into five departments; vegetable seed, flower seed, bulb, nursery stock, and supplies and implements. Mr. Boddington is also agent for Sutton & Sons of Reading, Eng., for their general line of vegetable and flower seeds; and for Thomas Rivers & Son of Sawbridgeworth, Herts, Eng., for pot-grown fruit trees and Grape vines.

As an importer Mr. Boddington is well known, his imports coming from almost every country under the sun. He has in transit at the present time a quarter million Kentia seeds from Australia, and there has just arrived a quantity of Areca and Cocos seeds from Rio de Janeiro. He also imports seeds from Cuba, Italy and other European countries, California, Hawaii, and Japan, the seeds coming at all seasons of the year when crops are ready. Large shipments of Fall bulbs are also received from Bermuda, Japan, China and other points.

Store of A. T. Boddington, New York. Handling Dormant Roses

The staff of the house numbers 27 employees, beside three representatives who are on the road all the time, covering territory in all quarters of the country. Five catalogs are issued during the year, comprising Spring and Fall wholesale editions, and Spring, Midsummer and Fall retail editions.

Harry A. Bunyard, Mr. Boddington's able lieutenant, is very active in the development of the business, prepares all the catalogs, even to the extent of designing the covers, and has charge of all the advertising, duties which, combined with his other work, make him at all times a busy man.

An American Purchases 36,000 "Koster" Spruce

A short time ago (as our readers will remember) we published an account of an extraordinary order for plants to be exported from Boskoop to the United States. This publication, though right in the main, requires some correction, the order being placed as follows:

An English firm bought at Boskoop (Holland) about 36,000 Spruce trees, of the variety Picea pungens glauca Koster, for account of a "friend of botany," who wanted this species for his park. It was said at the time that the order was given by John D. Rockefeller, but we are now in a position to say that the Spruces were purchased by another rich American, who made his fortune in . . . . . .cigarettes.

The packing of these plants for export is in full swing now in several nurseries at Boskoop, and is certainly worth noting.

We had the pleasure of an interview with Messrs. H. den Ouden & Son of Boskoop, who have the shipment of the greater part of the order. These gentlemen showed us around their nurseries for a couple of hours in order to give us some idea regarding their manner of exporting these plants.

At a rough guess one can imagine the extent of this order, knowing that the price of the Spruces varies from 40c. to $6 each, duty, cost of insurance, freight and packing being all additional.

The packing of these trees is one of the principal items of expense, as they have to be packed carefully in order to prevent damage during the voyage. Therefore their roots are protected with moss, covered with jute-bagging, and then packed away in ample, airy cases. The estimated cost of packing amounts to 5¼ per cent. of the value of each plant. [We understand the cost of the packing is placed at about $3000.—ED. F. E.]

The Boskoop nurserymen do business in a fraternity of interests and to this much of their reliable standing must be attributed; for instance, if one of them is short of certain stock, he borrows from his neighbor and usually from the smaller men who are not exporters. They all take great pride in making their industry grow and in improving their methods of cultivation, seeking better varieties, and they have no secrets one from the other. The fraternity of these people will certainly make them great, and moreover they are protected by a union of which they are all members; information regarding their trade is furnished them without charge.

There is only one drawback they would like to have changed; they possess no railroad connections, and the establishment of such would decidedly be of great importance. One can hardly imagine the very primitive shipping facilities possessed by the city of Boskoop. For instance, from Amsterdam it can be reached only by boat, or half the way by railroad up to Alphen or Gouda and thence per boat.—Translated from *De Standaard*, Amsterdam, Feb. 22, 1910.

Massachusetts Horticultural Society

One of the most worthy features of this Society, while not connected directly with the trade, is sufficiently notable as to call for attention in a trade paper, for the reason that, indirectly, the course pursued cannot but fail to benefit trade interests.

Every year a committee of the Society on "Gardens and Greenhouses," of which several members are growers, visits private grounds and estates in New England, awarding cash prizes and medals for the purpose of encouraging the development and ornamentation of such grounds and the establishment and maintenance of greenhouses for the culture of plants, fruits and vegetables.

For an estate of not less than three acres which shall be laid out with the most taste, planted most judiciously and kept in the best order for three consecutive years, a first prize of $160 is given and a second prize of $80. Similarly, for an estate in Massachusetts of not more than three acres nor less than one acre, that shows the best arrangement in planting and is kept in the best order, sums of $50 and $25, are awarded, these prizes being the bequest of the late H. H. Hunnewell.

The Society itself awards prizes, consisting of its silver and bronze medals, for garden of Spring-flowering plants, garden of Summer or Fall-flowering plants, garden or collection of Peonies, garden or collection of hardy Roses, garden or collection of Irises, a water garden, a fruit and a vegetable garden, none of which are to be commercial. For a rock garden medals are also given, and the competition appears to be open to the trade.

The Rose and Its History

A lecture, illustrated by lantern slides, delivered before the convention of the American Rose Society, New York, March 17, 1910, by George V. Nash.

(Concluded from page 588)

The Swamp Rose, Rosa Carolina, delights the eye when forming groups in its favorite haunts, the shores of lakes and streams or in swamps.

The Burnet or single Scotch Rose, Rosa spinosissima, is a European resident. There are many forms of this, one known as the variety Altaica.

Rosa lutea, a native of western Asia, Italy, and Austria, is known as the Austrian Brier, and has been in cultivation since as far back as 1586.

Rosa bracteata, the Macartney Rose, wild in southern China and Formosa, unfortunately is not hardy in the North, and from its range this is to be expected. It is just as unfortunate, however, as it is a lovely Rose. It has become naturalized in Florida and Louisiana.

Rosa laevigata, the Cherokee Rose, is a native of China, Formosa and Japan. This is practically the range of Rosa bracteata, so, of course, it is not hardy in the North. It is, however, extensively naturalized in the South, and I recall with delight the beauties of this charming Rose as I saw it growing wild on the fences in Florida.

We usually think of the Rose leaf as being made up of three or more divisions or leaflets, but in far off Persia there is a Rose with only one leaflet. This hardly seems like a Rose at all. It is known as Rosa berberidifolia, the Barberry-leaved Rose. Some botanists keep it separate from the genus Rosa, calling it Hulthemia berberidifolia.

I have left for consideration until the last these two Roses, Rosa indica, the China Rose, and Rosa gallica, the French Rose, for they are the progenitors of the great majority of the Roses in cultivation. Is it not odd that of all the forms which have been shown to you, only two have entered largely into the production of what is known as the garden Rose? But such is the case. What wonders may await us, when combinatons which are possible with all the others are tried, only time and experience can tell.

Rosa indica, the China Rose, in which species is usually included by botanists Rosa semperflorens, is well known to you all. It is the Autumn-blooming qualities of this Rose which has given us our most valuable Roses, and raised the Rose from a mere Summer visitor to a perpetual delight. The form known as the true Rosa indica is the old blush monthly, and was introduced into cultivation in 1718; the other form, known as the old crimson, was not introduced until 1789. As the history of the Rose develops the great importance of this Rose will be evident.

Rosa gallica, the French Rose, is a native of France, Switzerland, Italy and Austria. It is supposed to be the Rosa Milosiana of Pliny. Rosa damascena, R. centifolia, R. muscosa, and R. alba are supposed to be derived from this.

The Beginning of Modern Culture

We now come to a time in the history of the Rose, the early part of the 19th century, when Rose culture, as we know it, really began. This was the day of the old Provence or Cabbage Rose, Rosa centifolia, or Rosa provincialis, as it was often called. This was the Rose which delighted the heart of our grandmothers, and which added the Rose charm to their gardens. It was the queen of the Rose world in those days, and something over 70 varieties are said to have been listed in the Rose catalogs at that time. It is found commonly in the south of France, but its origin is lost in oblivion. It was the popular Rose of ancient Rome, being a prominent feature in feasts and decorations. It is probably the 100-leaved Rose of Pliny. It is the blood of this Rose which has mingled itself with others, infusing its strong habit of growth into the progeny.

The Moss Rose, Rosa muscosa, is considered to be a derivative of Rosa centifolia. Whatever its derivation, however, it is a lovely Rose and holds a warm place in the hearts of most of us. There are several forms of it, the single, double, and perpetual.

Rosa gallica, the French Rose. I again allude to this, for it played so important a part in the production of the garden Roses.

Rosa damascena, the Damask Rose—the Rose of Damascus—is a native of Syria. It is said to have been known to Europeans first at the time of the crusades. It was reported of Saladin that in 1167, when he recovered Jerusalem from the crusaders, he used Rose water with which to purify the Mosque of Omar after it had been defiled, in his estimation, by the Christians' use of it for a church. It is said that 500 camel loads of Roses were brought from Damascus for this purpose.

The hybrid China Roses made their appearance in the early part of the 19th century, while the Provence Roses were at their prime and in the height of their glory. This hybrid was the result of crossing the China Rose, Rosa indica, with varieties of the French and Provence Roses. The Autumn-flowering quality of the China Rose, however, did not impress itself upon these hybrids. It required still another cross to accomplish this.

The hybrid Bourbon was also a product of the early part of this century. It resulted from the crossing of the French and Provence Roses with an Autumn-flowering variety found on the Isle of Bourbon. Then came the Bourbon perpetual, crosses of the hybrid Bourbon with hybrids of Rosa indica, the China Rose. These came some 10 years before the advent of the hybrid perpetual.

About this time another race of hybrids was introduced. This was obtained by crossing the Musk Rose, Rosa moschata, and the common blush China Rose. This produced the famous Noisette Rose, Rosa Noisettiana. The first of this race was raised by M. Philippe Noisette, in this country. He sent it to his brother Louis, in Paris, about 1817, by whom it was propagated. A number of varieties were produced. It was later crossed with the tea-scented Rose, and such forms as Marechal Niel produced, which are very difficult to distinguish from the Tea Roses.

Still the Rose remained, with few sporadic exceptions, a flower of the Summer only. The installation of the China blood into the old time Roses did not produce progeny with a flowering period extending into the Fall.

The great desire now was to procure Roses which would flower in the Autumn. The China Rose, of course, did this, but it did not come up to the mark in other respects. What was needed was the late-flowering of the China and the form and scent of the other Roses.

Advent of the Hybrid Perpetual Rose

We now come to the day of the hybrid perpetual. This was produced by crossing the Damask Rose, Rosa damascena, with the hybrid China. Here we have a mixture indeed: the elements of the hybrid China (varieties of the French and Provence Roses crossed with the China Rose) and the Damask Rose. It took, therefore, two infusions of the China Rose blood to overcome the more sturdy qualities of the other parents and produce a longer flowering period of the Rose. The first fruits in this line were not entirely successful, and before a really hybrid perpetual Rose, such as we know it now, could be produced, it was necessary to cross these so-called perpetuals with the Bourbon and still again with the China Roses. This was done by M. Laffey. The influence of this new race of Roses was first felt about 1840, and it reigned supreme from about 1860 to 1890.

Origin of the Teas

To go back now a little in our history, to the early part of the century. About 1810 a small Rose from China made its appearance in England. It was known as the Blush Tea-scented. In 1824 another, similar Rose appeared in the same country, and this, on account of its color, was known as the Yellow Tea-scented. These two visitors did not seem to take kindly to the bleaker climate of old England, and it was not until they were transported to sunny France that they developed really what was in them. From these two has arisen the group of tea-scented Roses. It was about 1830 that these deliciously scented Roses came into notice. Gloire de Dijon owes its origin here, but probably with an admixture of the Bourbon Rose or some other hardy sort, for this newcomer was unusual among the tea-scented Roses in being hardy.

Next upon the scene was the hybrid tea, whose recognition as a distinct class was made about 1890. These were produced by crossing the hybrid perpetual and the tea-scented. They have been increasing rapidly and now number many among their ranks. The first hybrid tea is said to have been raised by Messrs. Paul & Son, of Cheshunt, in 1873, and sent out as Cheshunt Hybrid. At first the full meaning of these new hybrids was not realized; it was not until some years after their first appearance that it dawned upon the people that here was a new race of Roses destined to make startling changes. La France, at one time one of the most popular Roses, belongs here, although sent out first as a hybrid perpetual.

We have now brought the Rose up to our own times, the history of which is known to you all. Perhaps it is better not to call these present times "history," and so to leave the chronicle of our present Roses for others. We can see the marvels of recent production beautifully represented in the first exhibits made at the exhibition now in progress. Here we have the best examples of the cultivator's art. With My Maryland, Killarney, White Killarney, Richmond, and many others it would seem that the possibilities along the line of hybrid teas must be exhausted, but we thought this ten years ago, and were mistaken. What will the next ten years bring to us?

There are many popular flowers, but what one other than the Rose can awaken that keen delight, can recall those pleasant memories of childhood when we visited grandmother and reveled in her Rose garden? The Rose has its great hold upon us because it touches us nearly at so many points. We can have it indoors or out, Summer or Winter, and it is always just

"A Rose for every home,
A bush for every garden."

Prices published in The Florists' Exchange are for the Trade only

Ætheopappus pulcherrimus

Aetheopappus Pulcherrimus

An addition to the herbaceous border is Ætheopappus pulcherrimus. It is perfectly hardy, grows from 2 to 2½ ft. high, and bears flowers not unlike the Royal Sweet Sultan, of a brilliant rose color. As a cut flower it is very durable and prolific, blooming freely during the month of June.

G. Arends of Ronsdorf, Germany, has grown the plant to perfection as shown in the illustration, which we copy from Bindekunst.

National Council of Horticulture

The Council has mailed out its first press installment for the Spring of 1910. The subjects treated cover Indoor Planting, Planting in March, and further impart much valuable information for the amateur.

Exchanges are notified that this press service is free, contains no advertising, and is a purely philanthropical effort on the part of several of our national trade organizations to furnish skilled advice to the home gardener in order that his efforts may be rewarded with a good measure of success.

The secretary of the Council is J. H. Burdett, 1620 West 104th Place, Chicago, who will be pleased to answer all questions.

Chemically Dyed Flowers are a Vandalism

The paragraph about a chemically produced black rose again raises the question as to the advisability or honesty of flower faking. Assuming that a black Rose would have a commercial value, it certainly is not worth recording if it is produced only by chemical action. The chemist can do almost anything nowadays, but the man who works upon inanimate objects is to be placed far above the party who tinkers with Nature's own handiwork.

Over here we usually get red Daffodils in the Spring time, while dyed Berberis foliage is common enough at Christmas. Occasionally one may see the green Carnation, and last season the green Sweet Pea made an appearance. This latter monstrosity caused some little discussion, and even now there are people who cherish the notion that such flowers were natural.

T. A. W., Eng.

Suggestion for a Spring Window

Spring is here and florists are thinking of and trying to excel in their Spring displays. A very pretty and at the same time seasonable window setting would be the following, which is intended for a large show window 9 ft. high by 14 ft. wide, which, if filled solidly with cut flowers, would entail considerable and needless waste or expense.

First take two boards 9 in. wide, ⅞ in. thick, and of a length the height of the window. Place them at equal distances apart, in an upright position; fasten them top and bottom, cover them with green velveteen—which can be bought, in 27 in. widths, for from 79c. to $1 per yard—using half a width on each post, or upright board, finishing the front smoothly and covering the back, where the velveteen does not meet, with green cloth—3 yds. would be sufficient.

Next cover two 4 ft. boards, 6 in. wide, in the same manner, using 1½ yds. of velveteen. Fasten these boards to the window side and upright boards, 4 ft. up from the bottom, forming the top part of a railing. Then saw six boards 2 in. wide by ½ in. thick, in lengths so that they can be fastened from the ceiling to the sides and from upright to upright, with the lower ends 2 ft. down at an angle from the ceiling, thus forming three triangular arches, supported by two upright pillars. Cover these also with velveteen—by carefully cutting a yard length into 4½ in. strips there would be enough to cover the six 2 in. boards, thus making a total of 5½ yds. of green velveteen for everything. Fasten the 2 in. strips in the manner indicated and shown in the drawing, using a 1½ in. thick strip, painted light green, fastened across the ceiling, to nail the top ends to. Finally, nail a lattice work of 1 in. strips, painted a light green, same shade as ceiling strip, as shown in sketch.

You now have the upper frame of the arch complete. Next fasten two boards 12 in. wide and 4 ft. long, placed on edge on the floor, from each side of the window to the uprights, and cover them with birch bark. Nail, perpendicularly, 4 in. strips from rail to floor board and from sides to uprights, leaving a space of 6 in. between each, painting them a light green.

Make a platform 10 ins. high, running from post to post, and extending a distance of 1 ft. in the foreground from the posts, cover the platform with birch bark, and lay an empty flour barrel, which has been previously painted a light green on the inside and gilded on the outside, on its side on top of the platform. Hang three Scottii Ferns, 2½ ft. spread, suspended on a slanting wire pot hanger in the center of each arch, with the topmost fronds reaching just a little bit down from the ceiling. Also hang three Japanese Fern balls well out to the front, in a line with the center arch, one on each side of the Scottii, 2½ ft. down, the other exactly in the center 3 ft. down. Hang four more of these, two on each side of the other Scottiis, 2½ ft. down. Place two 7 ft. Bay trees, one in each side arch, behind the rail; the trees can be shown either as they naturally grow, or cornucopia glasses can be fastened through the foliage and filled with sprays of Snapdragon. Instead of the Bay trees nice bushes of Rhododendrons, or a bank of Crimson Rambler Roses or white Lilacs could be used.

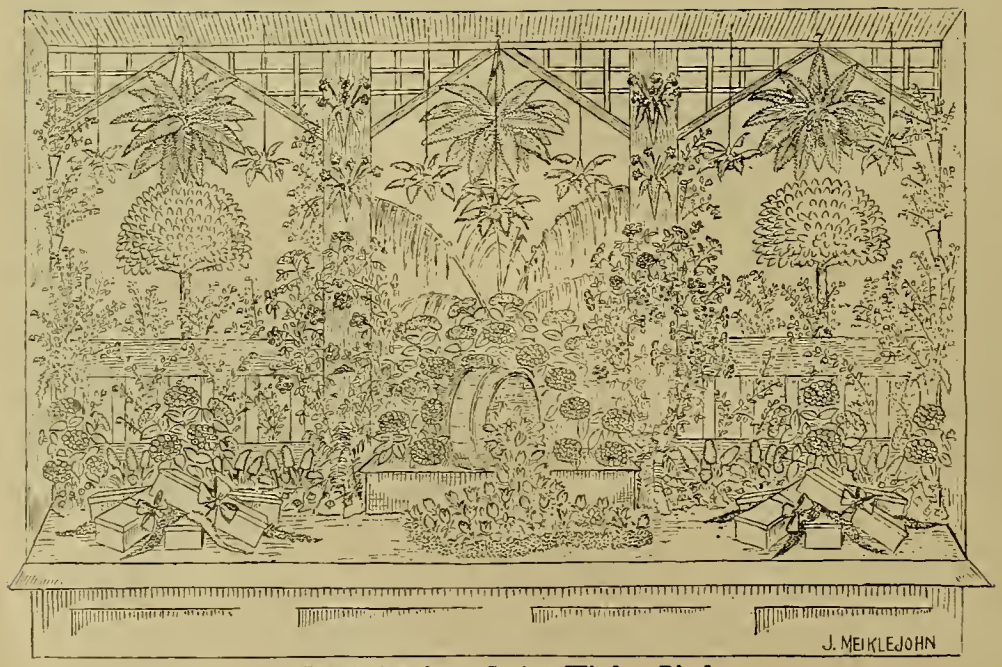
Now hang four cornucopia glasses on top of the upright posts, two on each and one above the other, using small screw hooks for this purpose, and fill them with cut Jonquils and Asparagus Sprengeri. Also hang cornucopia glasses behind the uprights, close to the edge, and along and behind the upper rail, being careful not to show the glasses. In the glasses put sprays of Apple, Pear, or Peach blossoms.

Follow the same scheme on the inner edge of the window casing, using two tall glass vases on the floor, the effect continued up the sides by means of cornucopia glasses fastened to the wall.

Cover the entire floor with green sheet moss and place a good-sized Hydrangea plant in the center, directly in front of the rail. Also place one in each corner against the rail, with a nice 5 ft. Rambler Rose bush directly in front of the upright pillar and on either side of the platform, filling in the intervening space between the Hydrangeas and the Ramblers with pans of Dutch Hyacinths. Cover the pots by placing pieces of Birch bark against them, with sprays of English Ivy falling over.

Some short vases should now be placed inside the barrel, packed well between damp moss. Fill the vases with cut Tulips and greens, and by placing a number of small vases in a circle on the floor and filling them with Tulips, graduating the height by means of taller vases at the mouth you will have the effect of a barrel falling over and spilling out Tulips on the floor, as shown in the sketch.

A Standard Hydrangea as Grown for Easter



Suggestion for a Spring Window Diaplay

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street
Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street
We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street
We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — BOSTON, MASS. — 24 Tremont Street
Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Robt. G. Wilson — BROOKLYN, N. Y. — Fulton St. and Greene Ave
Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — BUFFALO, N. Y. — W. J. PALMER & SON. 304 Main St.

Hauswirth — CHICAGO, ILL. — The Auditorium Florist, 232 Michigan Ave.
The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

JULIUS BAER, CINCINNATI, O. — Fourth St.

Frank F. Crump — COLORADO SPRINGS, COLO. — Retail Florist
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co — CONNECTICUT — New Haven — 1026 Chapel St., Opposite Yale College
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

A Trained Form of Genista as Seen at Easter

Arrange a few cut flower boxes, tied with ribbon, with sprays of blossom or some flower inserted between the cover and the ribbon, on each side of the window, in the foreground, having Smilax twined gracefully through them. Bank behind and around the barrel with Hydrangeas, placing a good-sized Kentia Palm behind them. Next place on the floor, behind the rail, a row of vases filled with long sprays of blossoms, allowing them to protrude through the strips and up against the velvet rail—the light and dark green colors will make a striking background for them. Pots of Euonymus variegatus could be introduced here, fastened to the inner side of the rail with wire well out of sight, the sprays falling gracefully over.

You now have the window completed, as far as can be shown in the sketch, but the writer has in mind many little details which could be added, such as short vases of Spring flowers, Pansies, Arbutus, Marguerites, etc., placed in the foreground. Garlands of Asparagus plumosus hung through the ceiling would add to the effect. If it should happen that there is a surplus stock of Rambler Roses and Hydrangeas are not available the former could be substituted for the latter; or Pansies could be used in place of Tulips in the barrel arrangement, although many more flowers would, of course, be required on account of their size. Another pretty detail, where it is possible to procure dried butterflies or stuffed Spring birds, would be to suspend them, apparently flying, through the window by means of black threads.

JAS. MEIKLEJOHN.

The Park Floral Co. — DENVER, COLORADO — 1706 Broadway
J. A. VALENTINE, Prest. Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave.
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — JACKSONVILLE, FLA. — 20 Laura St.
We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — KANSAS CITY, MO. — 1017 Broadway
I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — LOUISVILLE, KY. — 644 Fourth Avenue
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — MONTREAL, CANADA — 855 St. Catherine St., West
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Young & Nugent — NEW YORK — 42 West 28th Street
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see pages 628, 629

All advertisers in this column are provided with Arnold's Florists' Telegraph Code No. 16.

Bertermann Bros. Co.'s (Indianapolis) Auto and Wagon Delivery Service

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 16 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—As head gardener on private estate, no small place. Single, American, 10 years' experience. G. Donovan, Sterlington, Buckland Co., N. Y.

SITUATION WANTED—By a young Englishman as an assistant in greenhouses; good reference. Address, T. J. B., P. O. Box 162, Tenafly, N. J.

SITUATION WANTED—As working foreman by A 1 Rose grower, competent to take full charge of up-to-date place. References; married, age 40. Address, H. G., care The Florists' Exchange.

SITUATION WANTED—As foreman by married man, first-class grower of cut flowers and plants. Competent to take charge of up-to-date houses. References. Address, H. C, care The Florists' Exchange.

SITUATION WANTED—By single man, A 1 grower of Roses and Carnations, life experience; able to take charge of 60,000 ft. of glass. References. Address, "Florist," 203 East 19th st., New York City.

SITUATION WANTED—By practical middle-aged florist, life experience growing Roses, Carnations, Violets, Chrysanthemums, decorative and bedding plants. Single, sober. State wages. Address, A. G., Florist, Progress Hotel, 12 Chatham square, New York City.

SITUATION WANTED—By experienced grower of Roses, Carnations, Chrysanthemums, Lilies, etc. Have worked and had charge of some of best Eastern places. Would like position with some large Rose or Carnation grower. American, 35, married. Best of references. Address, "Grower," care The Florists' Exchange.

SITUATION WANTED—By competent florist and gardener on private place, experienced in cut flowers and pot plants, who thoroughly understands outdoor work, lawns, vegetables, etc. American, 35, married, one child. Life experience. Best of references. Address, "Private," care The Florists' Exchange.

SITUATION WANTED: BY APRIL 20.

On private estate in the vicinity of New York, Philadelphia or Boston. Capable of taking charge of greenhouses, grower of foliage plants, cut flowers, fruits and vegetables under glass, lawn, etc. State full particulars, Single, age 34. Gardener, 72 Hanford st., Columbus, O.

SITUATION WANTED—By a first-class gardener on private place, who has 18 years' experience in growing of flowers, plants, fruits and vegetables under glass and outside, strictly sober, honest and industrious, 6 years on last place. Best of references can be furnished. Married, small family. Address, Lunden, Box 263, Lawrence, L. I., N. Y.

SITUATION WANTED—Gardener and florist, 42 years of age, single, German, very neat and sober; good worker. A first-class all-around man; 25 years' experience in first-class private and commercial places, under glass and outside. Experienced in growing Roses, Carnations, Chrysanthemums and Violets; a good designer and maker-up. First-class references from former and last employer. Please give particulars and wages in first letter. Address, A. B., care Mr. Weintz, 278 West 128th st., New York City.

AN advertisement in our columns, will obtain for you a desirable situation at any time and the cost is a very small item.

Use our columns when needing the best help.

HELP WANTED

WANTED—An assistant Rose grower. Address, giving references and experience, H. D., care The Florists' Exchange.

WANTED—A competent store man, a good designer, one that can furnish best references. Apply H. H., care The Florists' Exchange.

WANTED—At once, a man to do general greenhouse work. Wages $14.00 per week. Apply to John Lange, 32 James st., Englewood, N. J.

WANTED—Young man for outdoor planting, etc., also must have some experience in retail store work. Clark, 1 So. 4th ave., Mt. Vernon, N. Y.

WANTED—Capable planter and landscape construction man. Must know nursery stock. No boozer. Address, Box 97, Jersey City, N. J.

WANTED—In an auction room; strong active man to handle plants, one who is also able to pack them for shipment. Apply to Wm. Elliott & Sons, 42 Vesey st., New York City.

WANTED—At once, two good competent men; must be sober and reliable, $12.00 the week without board. Apply in person, if possible, to W. Bluethgen, Jr., Hudson Heights, N. J.

WANTED—Young man who is thoroughly experienced in the growing of Carnations; good position for the right man. Greenhouses on Long Island. Address H. E., care The Florists' Exchange.

WANTED—Two assistants in Rose and Carnation houses; apply at once with references to

THE JOHN YOUNG CO.,
Bedford Station, N. Y.

WANTED—A gardener, florist and caretaker of small greenhouse, one who will make himself generally useful. Permanent position and good wages. Address, or call at 1050 East Jersey st., Elizabeth, N. J.

WANTED—An experienced planter, also having some experience in landscape work. State wages and references. THE ELIZABETH NURSERY CO., ELIZABETH, N. J.

WANTED—Assistant in commercial place with some experience inside and outside, steady place. Please state wages expected. J. W. Howard, 328 Broadway, (Winter Hill), Somerville, Mass.

WANTED—Young man at once, good potter and general worker around greenhouses; $35.00 per month, board and room. Apply P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

WANTED—Several men handy at potting and general greenhouse work. Wages $10.00 per week. J. Condon, Branch 3, Gravesend ave., near Ft. Hamilton ave., Brooklyn, N. Y.

WANTED—An experienced storeman, designer and maker-up, for a prominent retail store in the metropolis of New York. State wages. Address, with references, D. L., care The Florists' Exchange.

WANTED—Four Rose section men to do potting, shifting, planting and help in different sections cutting Roses, disbudding, etc. Salary $50.00 per month until section is open. Poehlmann Bros. Co., Morton Grove, Ill.

WANTED—At once, capable middle aged man as foreman in charge of city park improvements, general construction and planting. Good wages and steady position to right man. Address, Morell & Nichols, Landscape Architects, Minneapolis, Minn.

WANTED—One foreman and two assistants who can pot and who understand growing of general bedding plants. Apply at once with references to Chas. Krombach, 191-25th st. and 4th ave., Brooklyn, N. Y.

WANTED IMMEDIATELY.

Experienced landscape gardener and nurseryman. State full particulars and wages required.
THE NEW HAVEN NURSERIES, NEW HAVEN, CONN.

WANTED—Helpers in Rose houses with some experience. $30.00 to $46.00 per month. State in first letter salary received in previous places and experience in the business. Poehlmann Bros. Co., Morton Grove, Ill.

WANTED—Energetic, sober, young florist of general experience, to handle retail place of 15,000 feet of glass; plants and flowers of first quality only required. Must be sober and willing and come well recommended. C. L. Dole, Lockport, N. Y.

SEEDSMAN WANTED

One to put up orders and wait upon counter trade, in a New York City seed house. Apply G. F., care The Florists' Exchange.

WANTED—Assistant in Rose and Carnation houses; one capable of taking charge when necessary. Apply with copy of references and wages desired to G. B., care The Florists' Exchange.

WANTED—An assistant gardener for a private place near New York, who thoroughly understands the growing of Chrysanthemums, for exhibition purposes, must be experienced in the growing of bush plants, as well as large blooms. Apply with full particulars and references to H. B., care The Florists' Exchange.

HELP WANTED

WANTED—At once, capable middle aged man as foreman in charge of small city private place to be laid out this Spring, taking care of same after construction. Give full particulars and wages. Address, Morell & Nichols, Landscape Architects, Minneapolis, Minn.

WANTED—Two good hustling salesmen with a thorough knowledge of the seed and plant business. To such men as would be satisfactory, a most excellent chance is offered. No one but sober, active men need apply. Address by letter only, C. McTaggart, 123 Warren st., New York City.

WANTED—A good reliable working foreman for a retail place; must be strictly sober and thoroughly acquainted with the growing of Chrysanthemums, Smilax and bedding plants. Single man preferred. Apply with references, stating wages required, to H. F., care The Florists' Exchange.

WANTED AT ONCE

A first-class florist and gardener, German, single, who understands Roses, Carnations, Violets, 'Mums, etc.; must be steady and a good worker. Wages to start with $60.00 per month with board and room. Apply to

E. F. CARPENTER, HOT SPRINGS, VA.

NURSERY FOREMAN WANTED.

WANTED—A nursery foreman who is able to take full charge of first-class nursery. Only man with A 1 references need apply.

FERNWOOD NURSERY,
STAMFORD, CONN.
New York Office, 50 West 30th st.

WANTED—Competent vegetable grower on large private place; either married or single; good wages and a permanent position for a good man. Apply to WILLIAM PLUMB, SOUTH NATICK, MASS.

WANTED—Seedsman for the counter and order work, a good and steady position for the right man. W. W. RAWSON & CO., Boston, Mass.

STOCK FOR SALE

BULBS

GLADIOLUS—Special prices on Silver Trophy, Sec. 2 and Groff's mixtures. Write for quotations. A. W. Gardiner, Box 676, Springfield, Mass.

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices George Peters & Sons, Hempstead, N. Y.

GLADIOLI—Brenchleyensis, Buchanan, etc., 1st and 2nd sizes, also planting stock; write for prices. Contracts made for Fall delivery. John H. Umpleby, Lake View, N. Y.

STOCK FOR SALE—Gladiolus Alice Carey, the best white in cultivation, No. 1, $6.00 per 100; $40.00 per 1000. America, No. 1, $4.00 per 100; $30.00 per 1000. Price list free. E. Y. Teas, Centerville, Ind.

STOCK FOR SALE—Dahlia Roots, undivided field-grown clump, White Swan, Pearl d'Or, Kriemhilde, Nymphia, Lyndhurst and Catherina Duer. Send for special price list. Wood & Healey, Hammonton, N. J.

DAHLIA BULBS for the trade at $3.60 per 100; $30.00 per 1000. Not over two bulbs of a kind in a hundred lot; all copper wire labelled with printed name and color; just what you need to sell again. C. Peirce, Dighton, Mass.

CARNATIONS

CARNATIONS—Apple Blossom and Wanoka; strong rooted cuttings. Delivery, January 1. Wanoka Greenhouses, Barneveld, N. Y.

ROOTED CARNATION CUTTINGS for sale. Queen and Harry Fenn, $10.00 per 1000; Enchantress, $20.00 per 1000. 250 at 1000 rate. Cash. John L. Lundsted, Passaic, N. J.

CHRYSANTHEMUMS

GLORIA, a large early Enchantress Pink 'Mum; Pres. Taft, a huge glittering White Midseason, both have stems and foliage unsurpassed; R. C. prepaid, $1.00 per 26, $3.75 per 100. Gloria, 2¼ in., $5.00 per 100. Chas. Frost, Kenilworth, N. J.

STOCK FOR SALE

GERANIUMS

GERANIUMS—Rooted Cuttings, Nutt and Grant, $1.25 per 100; $10.00 per 1000. Cash.
W. C. MYERS & SONS, SCOTTDALE, PA.

STOCK FOR SALE—Geraniums S. A. Nutt and Double Lobelia, 2-in., $2.00 per 100, Rooted Cuttings, Double Lobelia, Salvia, Zurich, German Ivy Ageratums, Gurney and Cuphea, 75c. per 100. Cash with order. F. A. Ezold, Haddam, Conn.

GERANIUMS—S. A. Nutt, fine plants out of 4-in. pots at $6.00 per hundred. Satisfaction guaranteed. This price for April delivery.
BRANT BROS., INC., UTICA, N. Y.

ROSE GERANIUMS, 2½-in., $2.50 per 100. Lemon Verbena, Vinca Var., Stevia and Feverfew, rooted cuttings, 75c. per 100, prepaid. Pansy plants from Fall sown seed, 50c. per 100 prepaid; $3.00 per 1000, express. Chas. Frost, Kenilworth, N. J.

NURSERY STOCK

HYDRANGEA OTAKSA—Very strong rooted cuttings, $2.00 per 100; cash; by express. F. J. Laogenbach, Florist, Norwich, Conn.

CLEMATIS PANICULATA, splendid stock and plants, $1.00 per doz., $5.00 per 100, $50.00 per 1000. Large flowering, purple, red, white and blue, $2.00 per 10. F. A. Baller, Bloomington, Ill.

STOCK FOR SALE—Ivy, English, pot grown plants, 4-in. pots, 3 ft. long, 3 to 5 branches, $12.00 and $16.00 per 100. A. L. Miller, Jamaica ave., opp. Schenck ave., Brooklyn, N. Y.

STOCK FOR SALE—Hydrangea arborescens grandiflora alba. We have the largest stock of strong, 2-year plants in America. Plants, 2 to 3 ft., $2.60 per doz., $16.00 per 100, $140.00 per 1000; good plants, 16 to 20 inches, $10.00 per 100. Price list. E. Y. Teas, Centerville, Ind.

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA

The true large flowering forcing variety, warranted true 2¼-inch pots at $3.00 per hundred, one year field grown strong 12 to 18 inches, $6.00 per hundred, $55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

CALIFORNIA PRIVET

2 YEAR STOCK, CUT BACK LAST YEAR.

2 to 3 ft., 6 to 7 branches, $2.00 per 100, $15.00 per 1000; 18 to 24 in., 4 to 6 branches, $1.60 per 100, $12.00 per 1000; 12 to 18 in., 3 to 4 branches, $1.25 per 100, $10.00 per 1000. 2 year old, cut back and rooted once, 18 to 24 in., $1.50 per 100, $10.00 per 1000; 12 to 18 in., $1.25 per 100, $8.00 per 1000.

PALMETTO AND GIANT ARGENTEUIL

ASPARAGUS tied in 25's, 3 years' extra strong, $6.00 per 1000; 2 year, No. 1, much larger than you have been getting, at $3.50 per 1000. No charge is made for packing, can ship at once.
Jos. H. Black, Son & Co., Hightstown, N. J.

ROSES

ROSE STOCK.

5000 White Killarney, 2½-in. pots now ready at $8.00 per hundred, $75.00 per 1000. Richmond, Brides, Maids, Chatenay, Golden Gate, Killarney and other standard kinds, $40.00 per 1000. Charles H. Totty, Madison, N. J.

MISCELLANEOUS

Berberis Thunbergii Seed, 75c. per lb.
Ligustrum Ibota Seed, 50c. per lb.
Ampelopsis Veitchii Seed, $1.00 per lb.
F. N. Hadden, 145 Pond st., Providence, R. I.

REX FLOWERING BEGONIAS—3 to 4 in., $6.00 to $8.00 per 100. Will exchange for best Carnations. Our Begonia customers mostly come back. Herms Floral Company, Portsmouth, O.

STOCKS—Seedlings transplanted four weeks, Queen Alexandra, Beauty of Nice and Blanch Superb, will bloom early for Memorial Day, $1.00 per 100. Cash. S. B. Hoyt, New Canaan, Conn.

SMILAX

for June or July delivery, $12.50 per thousand; fine plants. Geraniums and Salvias all sold. P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

VINCA MINOR, the hardy Vinca for cemetery planting and under trees where grass will not grow. Well rooted layers, $1.00 per 100, $10.00 per 1000. E. Y. Teas, Centerville, Ind.

VIOLETS.

Princess of Wales, Luxonne and California rooted runners clean and free from disease. Cash with order, $1.00 per 100, $8.00 per 1000. Special price for large quantities. Jacques Gillmet, Moylan, Delaware Co., Pa.

ASPARAGUS SPRENGERI out of 4-in. pots at $6.00 per 100. Asparagus Plumosus out of 4-in. pots at $10.00 per 100. Extra fine. Satisfaction guaranteed.
BRANT BROS., INC., UTICA, N. Y.

STOCK FOR SALE

MISCELLANEOUS

BEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2¼-in. pots, $12.00 per 100, $110.00 per 1000. Bay and Box Trees, in all sizes, pyramid and standards. Write for list. Orchids, largest stock in the country. Ask for prices. Julius Roehrs Company, Rutherford, N. J.

FOR SALE OR RENT

GREENHOUSE PLANTS near Boston, one to 50 acres, $3200.00 to $20,000.00. Liberal terms. F. Hedge, 8 Grand View ave., Somerville, Mass.

FOR SALE—In East Williamsburg, L. I., 2 family dwelling with stable and 4 greenhouses with 6000 sq. ft. of glass; 5 lots, 25x100 ft., and piece of land to hire in rear of property. Place in good condition; convenient to all cars and trains. Estate of Andrew Groll deceased. Inquire of Jacob Amann, Florist, 1702 Metropolitan Ave., Middle Village, L. I., at Lutheran Cemetery.

FOR SALE

Greenhouse establishment with four semi-iron frame greenhouses, good barn and outbuildings. Eight room house with hot water heat, 3 acres of level and fertile ground right near good town and handy to New York market. Trolley passes door. This whole place has been built the last 4 years and is in first-class condition, well stocked and beautiful grounds. Price $12,000. Half cash. Address, H. A., care The Florists' Exchange.

AN UNUSUAL OPPORTUNITY FOR A LIVE FLORIST

The subscriber offers for sale his fully equipped Florist Store and Business, very finely situated in the theatre district of a thriving city in the State of New York; a city with a population of over 75,000. My trade is thoroughly established and the best in the city. This business will net a live man from $50.00 to $100.00 per week. I will sell most reasonably, as I have other business needing my whole time. My store is in every way up-to-date and fully equipped, containing two very large ice boxes, safe and cash register (cash register cost $532.00). The windows are tiled, and everything is finished in white. A good live party can easily get back the price I am asking for this business in a very short time. This is not a run-down place. Address, F. A., care The Florists' Exchange.

SUNDRIES FOR SALE

SPHAGNUM MOSS, BEST QUALITY, 10 bales $7.00. Write for special prices on car-lots. L. Amundson & Son, City Points, Wis.

FOR SALE—Best brands greenhouse glass, all sizes at special low prices. Small or large lots. C. S. Weber & Co., 10 Desbrosses st., New York City.

TOBACCO DUST AND STEMS. Dust in cases, 250 lbs., 3c. per lb.; stems in bales, 200 to 250 lbs., $1.50. Cash with order. Money back if you say so. S. R. Levy, Binghamton, N. Y.

FOR SALE—To be taken down, 2 Greenhouses; 3200 feet 4 in. pipe; 185 boxes of glass, 10x14 in., double thick; Chamber & McKeese iron columns; Hitchings' ventilators; in good order. James Monahan, 22 Belmont Ave., Madison, N. J.

FOR SALE—800 boxes 12x20 and 12x16 double thick glass; lot hothed sash, 15,000 feet of 1-in., 5000 feet of 2-in. and 1½-in., 4000 feet 4-in. Hitchings pipe; 1400 feet ventilating apparatus; 2 Erie locomotive boilers, one No. 5 Lord & Burnham and one No. 17 Hitchings, 2 years old; everything in first-class condition; 10 greenhouses, 20 x 110; complete or in single lots, very cheap. Inspect S. C. Nash Rosaries, Clifton, N. J., or inquire Suessermann, 229 Livingston Street, Newark, N. J.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WILL contract to grow field grown Roses, Carnations, Violets, etc. New sod soil, free from disease. W. B. Cleves, Binghamton, N. Y.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED TO BUY—1000 Bench Roses American Beauty, Pink Killarney, Richmond, Kaiserin A. V. or Dormant plants; state lowest price. Address, F. H., 248 West 73rd st., New York City.

FOR SALE

RADIATORS Steam, 1½c. per lb.; hot water, 2c. per lb. Guaranteed. All sizes in stock.

BOILERS The following new, round, portable hot-water boilers—guaranteed, 16-in., rated to heat 1,125 sq. ft. of glass, $34.00. 19-in., rated to heat 1,500 sq. ft. of glass, $46.00. 22-in., rated to heat 2,250 sq. ft. of glass, $64.00. 25-in., rated to heat 3,075 sq. ft. of glass, $90.00. Get our prices on second-hand boilers. We have one of the largest stocks of new and second-hand round and sectional hot-water and steam boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¾c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 3½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Car load extra heavy iron 2-in. pipe, 20 ft. lengths, weighing 100 lbs., at 5½c. per ft., including threads and couplings, in 1000 ft. lots. Pipe cut to sketch.

PIPE TOOLS Large Stock—All Makes and Sizes—Send for special prices.

STILLSON WRENCHES New, guar. 18 in., capacity 2 in., $1.20. 24 in., capacity 3½-in., $1.80. Flat chain wrenches, No. 3, capacity ¾ to 6 in., $3.86.

GARDEN HOSE In lengths up to 600 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.66. Glazed with 10 x 12 double thick glass at $1.86. Second hand sash glazed with 6 x 8 glass at $1.26, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

"A Call to the Colors"

Under this stirring headline Benjamin Hammond of Fishkill-on-Hudson, N. Y., in a circular, draws attention to the Home Garden Brigade of Union Free School District No. 8, for 1910. Last year 73 boys and girls joined the brigade. This year Mr. Hammond is looking for considerable additional members. A first prize of $5 each is given to the boy and girl having the best garden and a second prize of a pair of Winter shoes to the boy and girl having the second best garden. Additional prizes are offered for the one raising the best peck of Potatoes, the one making the best showing of Morning Glory or other vines over fence or porch; for the best Rose garden (bronze medal of the Am. Rose Society); for the most handsome front yard on their street. The High School pupils who have taken lessons in botany are requested to give the common and botanical names of the trees grown on the school property; this for the benefit of visitors.

Mr. Hammond and his co-laborers in this particular field are doing a noble work, indeed, in their endeavor to interest the rising generation in floriculture, and their efforts are well worthy of emulation by all those having the opportunity—and really who has not?

Catalogs Received

SCHAUM & VAN TOL, "The Hansa Nurseries," Boskoop, Holland. Sole Agents, McHutchison & Co., New York. Wholesale Trade List of Holland Grown Nursery Stock.

THOS. MEEHAN & SONS, INC., Germantown, Philadelphia, Pa.—Hand-Book of Trees and Hardy Plants, Spring 1910. This is an 80-page catalog of pocket size covering a very complete listing of Deciduous Trees and Shrubs, Roses, Evergreen Trees and Shrubs, English Grown Rhododendrons, Vines and Climbers, Evergreen and Deciduous Hedges, Fruits, Hardy Herbaceous Perennials, Bulbs and Tuberous Rooted Plants. Well illustrated.

THE BAY STATE NURSERIES, North Abington, Mass.—A 12-page and cover catalog covering a general line of Trees, Shrubs, Vines, Roses, Herbaceous Perennials and Evergreens. This publication, though not large, is gotten up with great taste, well illustrated and printed on coated paper. The front page of cover is a view in colors of an evergreen planting with mansion in the background, with stock supplied from these nurseries.

PETER HENDERSON & CO., New York.—Henderson's "Everything for the Lawn and Lawn Formation and Care." This is the 1910 edition of the firm's annual catalog of Lawn Grass Seed and Grass Seed for Parks, Cemeteries, Golf Courses, etc. The publication contains in addition an extended list of Lawn Essentials, such as Horse Mowers, Rollers, Harrows, Seeders, Barrows, Sprinklers; in fact, everything conceivable for use in connection with Lawns and Grass Plots. The catalog appears within covers bearing on the front page a pretty lawn view and the rear page carrying views of golf links.

WM. C. BOWDITCH, 647 Warren St., Boston, Mass.—Catalog of Rare and Ornamental Trees, Shrubs and Plants, Greenhouse and Decorative Plants, Flower Seeds, Bulbs, Floral Supplies, Cut Flowers and Decorations. This catalog is somewhat unique, in that it is a publication of a florist in every sense of the term. Its value to Mr. Bowditch's customers is apparent in the selection of lines to catalog and the interesting information to be found in its pages. The publication is well illustrated and appears within covers, the front page of which carries several views of the Bowditch establishment.

FELIX & DYKHUIS, Boskoop, Holland.—Wholesale Trade List, 1910-1911; and Catalog of Nursery Stock. This is a catalog of 90 pages and embraces potgrown plants for Forcing, Evergreens, Climbing Plants, Roses, Conifers, Hardy Perennials and Herbaceous Plants, Deciduous Trees, Shade Trees, Ornamental and Flowering Shrubs, etc. Several illustrations are to be found in the book, among them, as a frontispiece, a representation in colors of Spiræa Peach Blossom, a new pink flowering variety. American correspondence, it is stated in the catalog, should be addressed until June 1 to J. Dykhuis, care Maltus & Ware, 14 Stone St., New York.

ISAAC HICKS & SON, Westbury, L. I., N. Y.—Trees for Long Island. Stock List, March, 1910. This is a 48-page catalog covering a select variety of trees for use particularly on Long Island. The story of the usefulness of the trees is best told in the number of fine halftone illustrations distributed throughout the book, all of which will be considered as object lessons. Methods of packing and planting trees are graphically portrayed, as well as the firm's methods of transporting established and fully grown stock for planting where immediate effect is desired. The catalog is well printed, all the illustrations appearing on enamel paper.

From the same firm is received a 104-page catalog published under the same title, but intended for distribution where full descriptions of the different trees handled are desired; in other words, it is a hand book, setting out the values and uses of the different trees and shrubs forming the firm's stock. The catalog is profusely illustrated with fine illustrations, demonstrating the adaptability of the different varieties under certain conditions. Many of these pictures show "before and after" effects of different plantings, and removals and replantings of trees fully grown. The publication is more than ordinarily instructive. It appears in handsome duotone covers, the front page bearing an illustration of a residential planting and the back page a perennial setting.

READY NOW
250,000
SUPERB STRAIN
PANSIES
Fall transplanted Pansies in bud and bloom. A trial order will convince you that our Superb Strain is the best you have ever handled. $1.25 per 100; $10.00 per 1000. Cash with order.
Leonard Cousins, Jr.
Concord Junction, Mass.
Largest Grower of Field-Grown Pansies in America

Please mention the Exchange when writing.

COLEUS Rooted Cuttings
Verschaffeltii and Golden Bedder, 60c. per 100, $5.00 per 1000; extra strong, 2-in., $15.00 per 1000, $1.75 per 100.
PANSIES Strong seedlings from Fall. Finest Mixed, also Five Separate Colors, $2.50 per 1000.
Cash, please.
RUDOLPH NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

Helianthus Multiflorus Plenus
$4.00 per 100.

	Per 100
LYCHNIS Viscaria fl. pl.	$4.00
PLATYCODON grand. alba.	3.00
PLATYCODON Mariesii	3.00
PHYSOSTEGIA Virginica	3.00
PHYSOSTEGIA spec. alba	3.00
SWEET WILLIAM	3.00

NORMAN & HACKER. Painesville, Ohio

Please mention the Exchange when writing.

We Pay The Freight on cut-flower and design boxes. See our price list on page 628, this issue. Prompt shipment our HOBBY.
CLIMAX MANUFACTURING CO.
Box 200 . . . Castorland, N.Y.

Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale
5000 ft. 2-in. extra heavy pipe, weighing 6 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.
15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.
25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.
All the above pipe are guaranteed to be in good condition, free from holes or splits.
All size second-hand pipe, and boiler tubes at low prices.
EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y

Please mention the Exchange when writing.

Plant Culture
By Geo. W. Oliver, Propagator to the Bureau of Plant Industry, U. S. Department of Agriculture.
Printed on enamelled paper and illustrated with one hundred plates and engravings. Strongly bound, 12 mo., cloth. By mail postpaid, $1.50.
Every florist, nurseryman and grower will find Plant Culture the most useful assistant in his office. Order a copy of the book now, or send for free sample pages.
A. T. DE LA MARE PTG. & PUB. CO., Ltd.
NOS. 2 TO 8 DUANE ST., N. Y.

PLANTS AND ROOTED CUTTINGS Fine, Clean, Strong, Well-Rooted Stock

Roses from 2½-inch Pots

	100	1000
Pink Killarney	$4.50	$40.00
My Maryland	6.00	50.00
Richmond	3.00	25.00
Chatenay	3.00	25.00
Bride	$3.00	$25.00
Bridesmaid	3.00	25.00
Uncle John	4.00	35.00
Ivory	4.00	35.00
Perle	4.00	35.00

Carnation Cuttings

	100	1000
Winsor	$2.00	$15.00
Rose Pink Enchantress	1.50	12.50
Lawson	1.50	12.50

PETER REINBERG, 35 Randolph Street, Chicago

Please mention the Exchange when writing.

Pine Tree Ribbons and Chiffons

eliminate worry over the Ribbon question. These fabrics are rich appearing, lustrous qualities, costing no more than ordinary Ribbons and Chiffons.

Our **MONARCH SATIN TAFFETA RIBBON** has no equal. If you do not know this quality, you want to write today for a sample and convince yourself that the one place to get good value for your money in Ribbons is

DIRECT FROM THE MANUFACTURER

Samples of the MONARCH, other Ribbons and Chiffons free

The Pine Tree Silk Mills

806-808-810 ARCH STREET
Philadelphia, Pa.

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

Dagger and Fancy Ferns, $1.50 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roplogs made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Moss.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

Telegraph office: New Salem, Mass.
L. D. Phone Connection

FANCY OR DAGGER FERNS, $1.25 per 1000.

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel.

Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods.

SMILAX, 50 lb. cases, $6.00.

PINE, 7c. per lb.

Partridge Berries, $2.00 per 1000 or 10c. per bunch of 50 sprays.—Order now. Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $12.00 to $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

CUT FLOWER AND DESIGN BOXES

All Sizes, Lowest Price

WRITE

C. C. Pollworth Co.

MILWAUKEE

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

The Boston Retail Stores

The windows of the retail stores were especially attractive during Easter week and most of them carried the very highest grades of goods, which they displayed in the most artistic and fascinating manner.

Galvin's on Tremont st. for the first day or two had one window full of splendidly grown Bougainvilleas; the other showing extra fine quality Easter Lilies; later all this was changed to a yellow display, of Genistas, Acacias, and other plants of that hue.

Edward MacMulkin of Boylston st. had a prietty window. The shades of color used to effect an artistic display were plants with white flowers and other colors that would associate pleasingly with white. In the background he had some tall, light and graceful Palms intermixed with large Rose plants of Dorothy Perkins and Hiawatha. Next to these came good-sized plants of white Lilac, white Azaleas, and large Easter Lilies, and in the middle of these was a fine plant of Boronia elatior. In the front, dwarfer plants were used of a whitish hue intermixed with small plants of Lorraine Begonia and Erica cupressina. These latter plants were used to give it a little pleasing touch of pink. Hanging around in pleasing positions were small baskets of choice fruit and Forget-me-nots. There were also little dainty baskets of flowers pleasingly displayed. It takes an artist to give these fairy touches and to place them just right for effect. MacMulkin can do it when he wants to.

G. A. Seavery & Co. had a display of Lilacs, Crimson Ramblers, small Heaths, bunches of yellow English Primroses and Parrot Tulips.

Doyle's store on Boylston st. had a tastefully arranged window; the material used was of exceptionally high quality. The principal plants were large Bougainvilleas, superb specimen Acacia paradoxa, Ericas, Hiawatha Roses, White Lilacs, Gardenias and Rhododendrons.

Carbone had a delightful window display. He does not use as many, or yet as large plants as the other retailers, but they are so artistically arranged that they catch the spectator's eye at the very first glance. Some of the plants in his display were standard bush Roses of Dorothy Perkins, Genistas, Camellias, small Heaths, and white Hydrangeas. The inside of the store was tastefully arranged and around the balcony were trained splendid specimens of Rambler Roses in full bloom. This arrangement gives new ideas to the customer.

G. H. Davis, retail florist at 438 Mass. ave., Cambridgeport, has been unwell for some time, but was able to be about to see after his Easter trade, since that time he has been quite ill and is now confined to bed with a complication of diseases.

The Howard Flower Store, located at 18 Boylston st., Cambridge, is run by Frank Howard, a young man of energy and ability. For six years Mr. Howard had a prosperous flower stand in Harvard Square, especially for transient business. Owing to the great alterations there caused by the new subway he had to move, six months ago, to present location, near the new post office, one of the most thickly traveled streets in that section of the city. He is doing a good retail business and his customers are some of the best people in the city. He has two-thirds of Harvard University business, and does a great deal of funeral work. Last week he had many large pieces to make for Prof. Morgan's funeral; he also made many large pieces for the funeral of ex-Mayor Sortwell of Cambridge. Mr. Howard reports that his Easter business was by far the best he ever had. R. C.

Retail Notes

HARTFORD, CONN.—Page F. Potter has opened a retail store at 653 Main st.

ANSONIA, CONN.—J. W. Willis has opened a store in the Y. M. C. A. Building.

BENTON HARBOR, MICH.—Mrs. Youngs has opened a retail store at 143 Pipestone st.

GLOVERSVILLE, N. Y.—Richard Loeben has opened a retail store in the Windsor Hotel.

GRAND RAPIDS, WIS.—M. Philipp, florist, has opened a retail department in Geo. W. Baker & Sons' store.

MINNEAPOLIS, MINN.—The Whitted Floral Co. has removed to new quarters in the New Meyers Block, 10th st. Tom Sweeney has opened a florist and candy store in the Radisson Hotel Building.

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$3.25	38x8x4	$4.50
18x5x3	3.35	30x5x3½	3.75
24x5x3½	3.00	36x5x5	6.50
21x7x3½	3.25		

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.50
18x18x8	9.00	38x10x6	10.00
30x20x8	10.00	30x13x7	8.50
24x24x8	12.00	28x12x4	6.50
24x18x8, Pillow Box			13.00
30x15x8, Pillow Box			10.00

10% discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.
Box 205 CASTORLAND, N. Y.
New York Office, 20 East 42nd Street

Please mention the Exchange when writing.

Orders by Telegraph

For twenty-five cents, cash, we will forward you a handsomely printed card, worth framing, which you can hang in a conspicuous part of your store, to let your customers know you "fill orders for flowers, plants or floral designs to any point" by telegraph.

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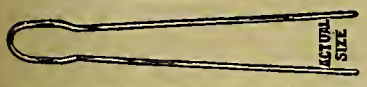

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THE FLORISTS' EXCHANGE

Boston G. and F. Club

The regular monthly meeting of the Gardeners and Florists' Club of Boston took place at Horticultural Hall on Tuesday, March 22. Vice-president Peter M. Miller presided.

Quite a number of the members voiced their sentiments in regard to the great loss the Club had sustained in the loss of its beloved treasurer, Edward Hatch, and many paid beautiful tributes to his worth, kindness and generosity. P. Welch told how the last time he went to see Mr. Hatch at the hospital, and spoke to him of the great exhibition that was to be held in Boston in 1911, Mr. Hatch said at once "put me down for $200." That's the sort of man our Club has lost, and it is no surprise that we are all afflicted with grief for the great loss we have to bear. A committee was appointed to draw up resolutions on the death of Mr. Hatch, and it was voted not to fill the vacancy of treasurer until the next meeting.

Four new members were elected, and Mrs. E. M. Gill, our oldest member, whose age will reach four score years next June, was elected an honorary member.

After all business was disposed of, Vice-president Miller introduced Arthur E. Thatcher of the Arnold Arboretum, who read an interesting paper on "The Newer Herbaceous Plants."

There was quite a number of exhibits at the meeting. Charles Sander, gdr. to Prof. C. S. Sargent of Brookline, exhibited a nicely grown plant of Azalea balsaminiflora. Mr. Sander, in his remarks about this plant, said, that if any member could tell him where he could get the white variety of this plant he would be much pleased. The variety exhibited had semi-double flowers of a pleasing pink color. It should make a fine florists' variety, and it is understood that Thos. Roland has a number on trial this year. From E. O. Orpet of South Lancaster came a fine specimen of Lælio-cattleya Frederick Boyle, variety Kerchovæ. The seed from which this plant was raised was sown Jan. 28, 1900. The plant bore two spikes with five large flowers. The petals of the flowers were quite large, and pure white, and the inside of the labellum was light cream marked with pink. The plant was very much admired and considered to be quite an acquisition. Wm. Sim of Cliftondale exhibited a fine lot of Sweet Peas which were of extra good quality. He staged 18 vases with as many varieties. He also exhibited a new Violet named Cyclops, which came from England. Mr. Sim says we shall hear more about this variety later and thinks it will be a good thing. J. F. Flood Co. of Dedham, exhibited three fine vases of Carnations. A vase of Lawson showed remarkably fine stems, as did all the others. Paul de Nave of Fall River exhibited a nice collection of Orchids, consisting principally of Dendrobiums, Cattleyas and Oncidiums. The plants were nicely grown and well flowered. The awards were as follows: Plant Azalea balsaminiflora from Charles Sander, vote of thanks; collection of Sweet Peas, 18 varieties, from William Sim, vote of thanks; plant of Lælio-cattleya Frederick Boyle, variety Kerchovæ, report of superior merit; seedling Cannas from Eber Holmes, vote of thanks; Schizanthus hybridus grandiflora oculatis and Leptosyne maritima from Gerhardt Bleicken, Riverside Farm, Framingham, vote of thanks; collection of Orchids from Paul de Nave, vote of thanks. R. C.

G. and F. Club of Baltimore

The regular meeting of this Club was held last Monday night in its hall, with President George Morrison in the chair. The meeting was poorly attended. Business of importance was discussed. Samples of new certificates of merit were shown to the members, after which more samples were ordered. Considerable interest was taken on the subject of "Parcel Post," James Hamilton telling the members of his experiences. J. J. Blair was elected a member of the Club. George W. Strange, representing Lager & Hurrell, Summit, N. J., was a visitor.

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Page 80 shows forms for Masonic, Fraternal and other Orders, for which wire designs are kept in stock by the supply houses.

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We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, it stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(85) **Tomato Vines Diseased.**—I enclose specimen of Tomato vines infested with spots or some fungus disease which attacks the lower leaves on plants. I have been picking off the leaves as soon as the spots appear, have also used Bordeaux mixture twice a week, dusting the surface of soil with air slaked lime, but all of no avail to check the disease. Will it damage the fruit in any way? Can you suggest any other remedy as the plants are young, strong and well set with fruit? The soil is heavy and was taken into the greenhouse sometime in January, after being well frozen. The house is run at 56° to 58° during night and all the air it is possible to give during the day.—A. A., N. Y.

—Your plants are undoubtedly suffering from one of the fusariums; otherwise they appear to be healthy. It is recommended that you make up a solution of sulphate of copper and lime and keep the mixture very blue. There appears to have been too much lime and too little sulphate of copper used on the samples you sent us. Your house also, quite evidently, is too moist and should be kept drier. If you can give the plants sunlight, so much the better. If the above advice as to spraying mixture fails to benefit then try dry sulphur on the foliage, after same has been moistened just enough to hold the sulphur. If allowed to spread the disease would undoubtedly spoil your crop.

(86) **Asparagus elongatus.**—In your issue of Feb. 26, page 372, you referred to Asparagus elongatus. Where can I get seeds or plants of this variety?—H. E. S., Florida.

—Asparagus elongatus is not common in the trade as yet. We would suggest correspondence with some of the prominent seedsmen whose advertisements appear in the EXCHANGE. W. H. T.

(87) **Palm Seeds.**—Would Palm seeds, such as Kentias and Cocos Weddeliana, do best when planted in solid beds in this locality under lath shed or in shallow boxes placed under the shed? How deep should they be planted where the soil is very sandy? What fertilizer is best suited to them and would liquid manure from cow or stable manure prove beneficial when applied to Palms in 3-in. pots?—H. E. S., Florida.

—Palm seeds would be under better control when planted in shallow boxes than if they were sown in a solid bed. The first roots of the species named are stiff and brittle, and when sown in a deep bed are likely to go down to such a depth that it is difficult to pot them afterward. A good rule for planting the seeds is to cover them to a depth about equal to the diameter of the seeds, in this case, about ¾ of an inch. No fertilizer is required in the seed boxes, and it is preferable to use the manure in the potting compost rather than to feed these small plants with liquid manure. W. H. T.

(88) **Fertilizer for Gladioli.**—Should like to know what is considered a good commercial fertilizer for Gladioli, outside of stable manure. I have ground bone on hand; would this be good of itself?—J. B. H., N. J.

—Bone meal of itself will be a good fertilizer for your Gladioli or you can use any high grade commercial fertilizer carrying a good percentage of nitrogen, potash and phosphoric acid.

(89) **Fertilizer for Evergreens.**—We have some Evergreens that do not thrive well. They are planted in a somewhat shaded position. Wouldn't dry blood be a quick acting fertilizer for Rhododendrons?—Evergreen, Pa.

Use well decomposed stable manure; cow manure is the best, or a high grade of ground bone on both your evergreens and Rhododendrons. Dry blood would also be good for the latter.

(90) **Specimen for Identification.**—Wm. Kruch, N. Y.—The catkins of flowers which you send are those of some species of Poplar, just which variety cannot be determined without a specimen of the leaves and twigs. Probably it is either a Carolina or Silver Poplar.

(91) **To Kill Lice on Carnations.**—How much bi-sulphate of carbon should I use in killing green lice on Carnations in a hothed? The Carnations are in bud.—W. K., N. Y.

—For your purpose there are other insecticides more advisable than bi-sulphide of carbon, which you should not use for this purpose. Fumigate with tobacco dust or stems, or fumigate or spray with some of the insecticides advertised in the columns of this paper.

(92) **Tomato Plants Gone Wrong.**—A. E. C., Conn.

—Give your house more ventilation, but avoid draughts and a low temperature at night on your Tomato plants. Do not water too heavily but, on the other hand, do not let your plants get dry to the wilting point. Transplant your plants when very small so as to give them more space. Be sure that your benches or flats have good drainage. Your trouble is a common one and is not in your soil, but in your manner of handling the plants; prevention is the best remedy. You apparently have already injured your young Tomato plants by too heavy fumigations.

(96) **Asparagus for Name.**—Herewith is a specimen of Asparagus that appeared last year among a lot of seedling Sprengeri. The plant is of a climbing habit, never sheds its foliage, and the first shoot that appeared is still in perfect condition. It has just put forth three new shoots, the longest about three feet in length and still growing.—Asparagus, N. Y.

—The sample sent by you is possibly A. retrofractus, but not having seen this variety for some time we cannot determine for sure. Asparagus has a slight tendency to produce new seedlings, which, when grown, seldom prove more valuable than existing varieties.

(93) **Plants for Identification.**—Will you kindly give me the names of the plants sent under separate cover. Nos. 1 and 2 were sent to me from Texas. No. 3—What is the name of this Stevia? No. 4—This is a plant that I have had for twenty years or more; never saw it bloom, though I had one ten years old. I never met any one who knew the name of it. I sell it as a Cactus, as it grows with them and stands without water longer than any plant I have.—Reader, Newport, Ky.

—The specimen marked No. 3 is not a Stevia at all but is Eupatorium riparium. No. 4 I take to be our old friend, Crassula portulacea, which with us is not a shy bloomer. We have plants of it 2 to 3 ft. high, which flower profusely early every year, about January or February. Specimens No. 1 and 2 (ferns) I submitted to our Fern specialist here and he refused to pass an opinion on them on account of the meagreness of the material. If more material can be sent I will again submit them to him.—GEORGE V. NASH.

(94) **Chrysanthemum Cuttings from the Root.**—Will Chrysanthemum cuttings taken from shoots that spring up from the roots of the old plant make good plants or will they come blind?—C. H.

Cuttings from root shoots of stock Chrysanthemum plants, if properly handled, will produce good flowers.

(95) **Drying Off Roses.**—I have a bench of Bride and Bridesmaid that were planted quite late last Summer, and which did not seem to do well or grow up until now when they are making a new growth. As I wish to grow this bench on for next year, would you advise drying this bench off now, or would it be better to wait yet a few weeks?—C. H.

—It will be better to let your Rose bushes grow on till after Memorial Day, and then let them rest.

RICHMOND, VA.—The greenhouses and about 20 acres of land of W. A. Hammond have been sold, at a price approximating $68,000 to a company to be known as the Hammond Co., with J. Scott Parish, president; H. A. Higason, vice-president; and F. F. Apt, treasurer. The business will be conducted as formerly under the new management.

COLORADO SPRINGS, COLO.—A. D. Jones has sold the Jones greenhouse in Broadmoor to Oscar Lillyback of Memphis, Tenn., for a consideration of $20,000. Mr. Lillyback, who is a wholesale druggist, has in turn given a five-year lease on the property to R. L. Pemberton and D. A. Harris, who will carry on the business.

FAIRVIEW, ILL.—B. Eldridge has purchased the interests of W. H. Moore, J. W. Lyon and W. P. Williams in the Belvidere Plant and Floral Co.'s property here. The retail sale of flowers has been abandoned, Mr. Eldridge's plans being to conduct a wholesale business exclusively, in connection with the floral business, from his private greenhouses near his Pearl st. residence. August Lembke will have charge of both plants.

Partial View of the Interior of Wholesale Store of Hoerber Bros., Chicago

Firms Who are Building

ELDORA, IA.—The J. S. Polland Floral Co. will erect a number of greenhouse buildings.

NEW HAVEN, CONN.—A frame greenhouse will be built by Leander Ioegare at 93 Ramsdell st.

DOVER, ME.—Fred Norris is erecting a greenhouse at his home on Spring st. in connection with his gardening business.

ROSCOE, ILL.—New greenhouses are to be erected by Arthur Briscoe on the Fyler property; Carnations and Ferns will be his specialty.

FINDLAY, O.—J. J. Waaland is erecting a greenhouse on his premises at 124 East Front st. in which he will raise Violets.

EMPORIA, KANS.—A new 100 by 54 ft. greenhouse has just been completed at the corner of West st. and Twelfth ave., by the Emporia Floral Co.

GRADYVILLE, PA.—Howard Keller of Falls of Schuylkill, Philadelphia, has purchased the Jesse R. Baker farm here and will engage in the florist business. He expects to erect several greenhouses on his new property during the coming season.

HANFORD CITY, W. VA.—Work has been started on the new greenhouses which T. J. Huston, the florist of Sistersville, has contemplated here, and it is the intention to push the construction of the new plant as rapidly as possible in order that it may be gotten in shape for occupancy early in the Fall. The new greenhouses will be constructed of steel and concrete.

Some Fine Pansies

We recently received from E. B. Jennings of Southport, Conn., a box of Pansy flowers, of the giant flowering and ruffled edge types, Mr. Jennings' specialty. They showed good culture, and the colorings were grand, many of them running to shades and combinations of shades seldom seen. The flowers were quite large and the stems unusually long.

A Florist Hero

A fire, occurring in the early morning, and believed to have been caused by a defective flue in the kitchen, destroyed the home of P. Campbell Erdman, a florist on Dobler ave., Baltimore, the estimated loss being $4000. By the quick action of a street car conductor, all the occupants of the house, with the exception of an aged relative, J. R. Stommer, who was sleeping all unconscious of the danger, were able to escape early, although they did not have time to dress. Mr. Erdman, who had gotten up some time before, was in his greenhouses in the rear of the building, and upon hearing the shouts rushed back to his house, only to find it in flames. He quickly lined up the members of the family, and found only the occupant of the back second-story room missing. Without a moment's hesitation he dashed into the house and almost fell in the smoke filled passageway and on the stairs. After a struggle with the flames he picked up the aged sleeper and practically had to carry him all the way out of the building to safety. Despite the good work of those who volunteered the fire rapidly gained headway, and was spreading to the greenhouses when the opportune arrival of the fire engines saved them from destruction.

Notes

ACKLEY, IA.—C. E. Frederick has purchased the seed business here of W. R. French.

ROCKFORD, ILL.—J. J. Soper, florist of North Church st., has purchased a 20-acre fruit farm in Rosebnrg, Ore.

STAMFORD, N. Y.—William Heermans has purchased the Violet house belonging to Wesley Pink and will take possession April 1.

OREGON, ILL.—Gilbert & Son are making arrangements to erect another new greenhouse, 26 by 80 ft. They will place it on a cement foundation.

PAXTON, ILL.—Mr. Brice, for eight years florist at the University of Illinois, at Champaign, has taken a position here with the Addeme, Morgan Co.

CINCINNATI, O.—The establishment of A. Sunderbruch, florist at 232 West Fourth st., was forced open recently and the cash drawer rifled of 200 2-cent postage stamps and three packages of lead pencils. The thieves also tried to force the safe, but succeeded only in loosening the hinges.

The Florists' Exchange is exclusively a Trade Paper. Prices at which stock is offered in these columns are intended for the Trade only.

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We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogus is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion, we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

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BEGONIA Rex, 2-in., $5.00 per 100.
ASPARAGUS plumosus, 2-in. $3.00 per 100; 3-in., $5.00 per 100. Cut sprays, 25c. per bunch.
ASPARAGUS Sprengeri, 3-in., $5.00 per 100.
GERANIUMS, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $3.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in., $3.00 per 100.
FERNS, Whitmani, 4-in., 25c. each. Boston, 4-in., 15c. each; 5-in., 25c. each.
CYCAS PALMS, 4 to 5 leaves, $1.00, $1.50 and $2.00.
VINCA Var., 2-in., $3.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

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40,000 Vinca Variegata

R. C. 90c. per 100, $8.00 per 1000.

PETUNIA DOUBLE 10 kinds, 2 in., 2c.

Snapdragon, White and Scarlet, 2-in., $2.00 per 100.

Smilax, 2-in., $1.25 per 100.

Abutilons, 3 kinds, 2-in., 2½c.

Cuphea, 2-in., 1½c.

Geraniums, Grant, etc., 2-in., $2.00 per 100.

Ageratum, 3 kinds, 2-in., $1.50 per 100.

Heliotrope, 2-in., 1½c.; Salvia Bonfire, 2-in., 2c.; Rose Geranium, 2-in., 2c.; Salleroi, 2-in., 2½c.; Vinca var., 2-in., 2c.; Feverfew, Double White, small plants, 75c.; $6.00 per 1000.

Rooted Cuttings, prepaid per 100. Heliotrope, $1.00; Fuchsia, 8 kinds, $1.00; Paris Daisy, yellow, white, $1.00; Cuphea, 75c. Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, Rosea, P. Major, Aurea nana, Fall struck cuttings, 50c. per 100, $4.50 per 1000; Ageratum, 3 kinds, 60c.; Swainsona alba, $1.00; Dbl. Petunias, 10 kinds, $1.00.

Salvia, 90c. Cash with order.

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IPOMOEA Noctiflora

Best pure white Moonvine in market, very fragrant and as big as a saucer. On this variety we have a world-wide reputation as growers and shippers for the last twenty years. Price, 2½-inch pots, $5.00 per 100. 10,000 are now ready.

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Strong runners, **PRINCE OF WALES VIOLETS, $9.00** per 1000.

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DON'T GET LEFT Geraniums! Geraniums!

Nutt, Doyle, Buchner, La Favorite, Grant, Brunntl and others, also Rose Geraniums, $18.00 per 1000; 500 at 1000 rates.

Coleus, Rooted Cuttings, in variety, $6.00 per 1000. Verschaffeltl, $6.00 per 1000.

Ageratum, Stella Gurney, Pauline and others, R. C., 60c.; 2¼-in. pots, $1.00 per 100. Heliotrope, all dark, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Feverfew, Little Gem, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Achyranthes Lindeni, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Pilea, Artillery Plant, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Ivy, German, 2¼-in. pots, $1.50 per 100.

Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

SALVIAS

35,000 Bonfire, from seed, twice transplanted, large healthy stock, 90c. per 100, $7.50 per 1000. Zurich, 2¼-in. pots, $2.00 per 100; $18.00 per 1000.

PETUNIAS, Single Petunias of Ruffled Giant, California Giant, and Ruffled, striped and blotched. A No. 1 stock, 2¼-in. pots, $2.00 per 100, $18.00 per 1000.

VERBENAS, Mammoth Flowering Mixed, transplanted, 75c. per 100, $6.00 per 1000.

Cash please.

S. A. PINKSTONE, 206 Court St., Utica, N. Y.

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Double and Single PETUNIAS

Fine plants.

DREER'S STRAIN, 3-in., $3.00 per 100.
DRACAENA Indivisa, 6 and 7-in., $20.00 per 100
DOUBLE PETUNIAS, R. C. 1.00
LANTANAS, Trailing 1.35
LANTANAS, Trailing, 2 in. 2.00
MOON VINES, Smith's Hybrid, the largest, whitest and sweetest, 2¼-in. pots, per 100, $3.00.

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

DELPHINIUM BELLADONNA

Everblooming Hardy Larkspur, 2-in. pots, $3.50 per 100.

DIANTHUS Latifolius atroc. fl. pl. Everblooming, 2-in. pots, $2.00 per 100.

MYOSOTIS Palustris Semperflorens, 2-in. pots, $2.00 per 100.

6 trial plants, 25c. Cash with order, please.

A. HIRSCHLEBER, Florist, Riverside, N. J.

Please mention the Exchange when writing.

DRACAENA Indivisa 4-in., $10.00 per 100.
CANNAS, Pennsylvania, $1.50; A. Bouvier, $1.50; Austria, $1.25; Italia, $1.75; B. Beauty, $2.50; Egandale, $1.50; Marlborough, $2.00; America, $1.25; D. Harum, $2.00 per 100.
HYDRANGEA Paniculata grandiflora, 2 to 3 ft., $10.00; 18 in. to 24 in., $6.00 per 100.
PRIMULA Obconica, 2-in., $1.50 per 100; 3-in., $4.00 per 100; 4-in., $6.00 per 100.
GERANIUM, Ricard, 2-in., $2.00 per 100.
FICUS Elastica, 5-in., $20.00 per 100.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100. Plumosus, 2-in., $2.00 per 100.
ENGLISH IVY, R. C., 75c. per 100; var. R. C., 75c. per 100.
ENGLISH IVY, 2 in., $2.00 per 100.
FERNS, Scottii, 2½-in., $5.00 per 100; 3-in., $10.00 per 100; 4-in., $15.00 per 100; 5-in., $20.00 per 100; 6-in., $25.00 per 100.
FERNS, Boston, 3-in., $5.00 per 100; 4-in., $15.00 per 100.

J. H. DANN & SON
Westfield, N. Y.

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DOMOTO BROS.

Wholesale Florists

Store, 2729 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.

Headquarters for

Japanese Plants and Bulbs, Choice Roses Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.

We respectfully solicit your patronage.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

GERANIUMS

	1000	100
8 varieties, my selection.....	$26.00	$3.00
ASPARAGUS Sprengeri, seedlings	7.00	1.00
DOUBLE PETUNIAS		3.00
LARGE PANSY PLANTS, April 1st...		1.60
SMALL PANSY PLANTS, $2.50 per 1000		.60

Cash. No C. O. D.

COLEUS

	Per 100
10 varieties, 2¼-in. pots, April 1st...	$2.00
10 varieties CANNAS, 3½-in. pots, April 1st	4.00
400 ASPARAGUS plumosus nanus, 2¼-in. pots	3.00
ALTERNANTHERA, red and yellow April 1st	2.00

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

GERANIUMS

Fine, stocky plants, in bud and bloom, 4-in., Nutt, Poitevine, Ricard, La Favorite, Trego, Perkins, Jaulin, etc., $6.00 per 100.

SALVIAS, large plants from flats—Zurich, Bonfire and Splendens, 75c. per 100, $7.00 per 1000.

Dark blue HELIOTROPE and Dwarf blue LOBELIAS, large plants, from flats, 75c. per 100, $6.00 per 1000.

HILL TOP GREENHOUSES, 84 Churchill Avenue **UTICA, N. Y**

Please mention the Exchange when writing.

GERANIUMS

Nutt, D. Grant, Poitevine, Buchner, heavily branched, 3-in., $4.00 per 100.

Mme. Salleroi Geranium, Salvia Bonfire and Splendens, extra strong, 2 and 3-in, $15.00 and $25.00 per 1000.

200,000 finest BEDDING PLANTS for May.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

GERANIUMS from soil, Nutt, Double Grant, Buchner, $10.00 per 1000; Poitevine, Ricard, Perkins, $12.50 per 1000. Extra Strong, 2½ and 3-in. size, from soil, $2.25 per 100.

COLEUS Ver. and G. Bedder, $6.00 per 1000. Fancy, brightest, $5.00 per 1000. Giant Leaved, most showy of all, 80c. per 100.

ALTERNANTHERA. Good soil plants; fall struck, Yellow, $5.00. Red Rug, $7.00 per 1000.

PANSIES. Superb colors, part in bloom, $2.50 per 1000. Stocky plants from open beds. Cash.

DANIEL K. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

S. A. Nutt, from 2¼-in., $2.00 per 100, $18.00 per 1000.

AGERATUM, Stella Gurney, 2¼-in., $2.00 per 100.

CHRYSANTHEMUMS, from 2¼-in., Polly Rose, Dr. Enguehard, $2.50 per 100, $20.00 per 1000. Cash with order.

C. A. PETERSON, Madison, N. J.

Please mention the Exchange when writing.

GERANIUMS

Ricard, Nutt, Buchner, strong, cool grown plants, from 2-in. pots, $3.00 per 100, $20.00 per 1000.

Ricard from 3½-in., $5.50 per 100. Mixed $18.00 per 1000.

QUAKER HILL NURSERIES, Oxford Depot, N. Y.

Please mention the Exchange when writing.

GERANIUMS

Strong and healthy, from 2¼-in., A. Ricard, Hill, Poitevine, $2.50 per 100, $24.00 per 1000. Nutt and Grant, $2.00 per 100, $18.00 per 1000.

COLEUS, R. C., Verschaffeltii and Golden Bedder, 65c. per 100, $5.00 per 1000.

SALVIA Zurich, AGERATUM Gurney, 75c. per 100, $6.00 per 1000.

CANNAS dormant, A. Bouvier and S'nir d'A. Crozy, $2.00 per 100, $18.00 per 1000.

FINE CRIMSON RAMBLERS, 3 and 4 years old, $10.00 and $12.00 per 100.

Cash with order.

JAMES AMBACHER, West End, N. J.

Please mention the Exchange when writing.

GERANIUMS

RICARD, DOYLE, VIAUD and POITEVINE $12.00 per 1000,

S. A. NUTT, $10.00 per 1000

COLEUS, VER. and G. BEDDER 60c. per 100

FRED W. RITCHY, Lancaster, Pa.

Please mention the Exchange when writing.

VIOLET CULTURE

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.,
2-8 Duane Street, New York

GERANIUMS

Rooted Cuttings: Viaud, Ricard, Doyle, Castellane, Jaulin, S. A. Nutt, Buchner, $10.00 per 1000.

BEGONIAS

25,000, strong, extra fine transplanted plants, of Vernon, $1.00 per 100 by mail; $6.00 per 1000 by express.

Cash with order.

PETER BROWN, 124 RUBY STREET **Lancaster, Pa.**

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.

Ricard and S. A. Nutt, ready April 20, at $10.00 per 1000.

SPRENGERI

Extra fine, ready for four inch pots, first size $5.00 per 100; second $3.50 per 100; samples for ten cents.

PLUMOSUS

Good stock from Rose pots, at $25.00 per 1000; samples for ten cents.

ALBERT M. HERR
LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS

Nutt, Buchner, Poitevine, Doyle and others, 2 in. pots, $2.00 per 100; 3 in. pots, $3.00 per 100; 4-in. pots, $5.00 per 100.

FUCHSIAS, SALVIAS, HELIOTROPES (double white), FEVERFEW, VINCA VARIEGATED, R. C., $1.00 per 100; 2-in. pots, $2.00 per 100.

Double Giant SWEET ALYSSUM, AGERATUM Gurney, R. C., 60c. per 100; 2-in. pots,, $1.50 per 100.

COLEUS

Crimson Verschaffeltii, Golden Bedder and 15 others, 60c. per 100, $5.00 per 1000.

PANSY PLANTS, 50c. and $1.00 per 100, $5.00 and $8.00 per 1000.

ASPARAGUS Plumosus and Sprengeri, 4-in. pots, $5.00 per 100.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

Pelargoniums

Now Ready

VICTOR, PELARGONIUM, 3-in pots $4.00 per 100. Cash with order.

WM. J. CHINNICK, TRENTON, N. J.

Please mention the Exchange when writing.

GERANIUMS

Ready to Ship.

	Rooted cuttings Per 100	1000
S. A. Nutt and La Favorite...	$1.25	$10.00
Castellane	1.25	10.00
Ricard	1.50	12.50

SALVIAS

Rooted Cuttings.

Bonfire and Splendens ..... .85 7.50

Less 3 per cent. for cash with order. Quality guaranteed or money refunded.

B. F. BARR & CO. Keystone Nurseries **Lancaster, Pa.**

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

MRS. C. W. WARD

Mrs. C. W. Ward is a perfectly formed flower with full center; color deep pink, several shades lighter than Lawson, deeper than Winsor; having strong, erect stems, 24 to 36 inches in length. A vigorous, healthy grower, and has never shown disease of any kind.

Rooted Cuttings, $2.00 per 12, $12.00 per 100, $100.00 per 1000
25 at the 100 rate; 250 at the 1000 rate

Plants from 2-inch pots, $15.00 per 100

ALMA WARD—All sold

COTTAGE GARDENS CO. Inc.
QUEENS (L. I.), N. Y.

Please mention the Exchange when writing.

Plant Support

Patented Oct. 12th, 1909

The best and most simple method for tying Carnations, Roses, Sweet Peas, and all kinds of plants in greenhouse or garden. It can be made in any length and cut to suit. For further particulars apply to

WM. BEASLEY
157 E. Duval St., Germantown, Philadelphia, Pa.

THREE NEW CARNATIONS

CONQUEST — Fancy overlaid pink
SANGAMO — Brilliant pink
MARY TOLMAN — Deep flesh pink

$12.00 per 100; $100.00 per 1000

CHICAGO CARNATION COMPANY, A. T. Pyfer, Mgr., **Joliet, Illinois**

Please mention the Exchange when writing.

CARNATION CUTTINGS

My stock has not been allowed to throw over three blooms per plant and is, therefore, very vigorous, producing cuttings strong and full of life. Cuttings from such stock will produce more and better flowers next Winter than the ordinary grade from stock that has been flowered to death.

	100	1000
Harlowarden	$2.50	$20.00
Enchantress	3.00	25.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Pure White Enchantress	3.50	30.00
Winona	3.50	30.00
Beacon	3.50	30.00

250 at 1000 rate.
Cash with order, or references.

A. A. GANNETT, GENEVA, N. Y.

Please mention the Exchange when writing.

SHASTA

Our new white carnation, ready now at **$12.00** per 100; **$100.00** per 1000. The biggest paying White Carnation you ever saw. We are shipping fine, well rooted cuttings.

BAUR & SMITH, Indianapolis, Ind.

CARNATIONS ROOTED CUTTINGS

Ready to Ship.

	Per 100	1000
White Enchantress	$2.00	$18.00
Enchantress	2.00	18.00
White Perfection	2.00	18.00
Viola Sinclair, from soil	3.00	25.00
Apple Blossom, from soil	3.00	25.00

Less 3 per cent. for cash with order, quality guaranteed, or money refunded.

B. F. BARR & CO.
Keystone Nurseries, Lancaster, Pa.

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings.

Large, strong, well rooted, absolutely no disease, taken from plants grown especially for stock and rooted in a cool house. These will make plants quickly and cannot fail to please you.

	100	1000
Enchantress	$3.00	$25.00
Pure White Enchantress	3.50	30.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Winona	3.50	30.00
Beacon	3.50	30.00
Winsor	3.00	25.00
Harlowarden	2.50	20.00

Cash with order. 250 at 1000 rates.

SMITH & GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, $12.00 per 100, $100.00 per 1000.
Alma Ward, $15.00 per 100, $125.00 per 1000.
Mrs. J. C. Vaughan, Bay State and Georgia, $6.00 per 100, $50.00 per 1000.
Robert Craig, Afterglow and Harlowarden, $3.50 per 100, $30.00 per 1000.
New crop. Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons, at 25c. and $1.00 per package.

CHAS. H. TOTTY
MADISON, N. J.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

The Week's Work

BY
FRITZ BAHR

Easter Sunday

Reflections of the Easter Trade.

I always have made it a rule to consider the business we have done at the principal holiday seasons of the year, and compare the results with those of former years; not alone in regard to the volume of business done but as to what has sold the best, and what ran into a shortage or a surplus. To me this is not only very interesting, but of great value as a guide to determine what to plan, plant and prepare for the next year. At this writing it is Easter Sunday, in the afternoon, and without looking at any book, or asking "Bill," I know it was the best Easter ever, and I think I am not mistaken when I say that the severe and long Winter we passed through had more to do with it than anything else. With us, outside of funeral work, there have not been as many flowers sold during the first two months of the year as usual, nor as many visitors to the greenhouses—and all on account of the weather. It almost seemed as though the customers felt like wanting to make good the shortage judging from the way they came to view the Easter display. What sold as well as anything we carried were pans filled with Marguerites out of 2½'s. Murillo and Couronne d'Or Tulips and Daffodils sold out clean; so did pans of miniature Hyacinths, especially was there a strong call for the pure white and light lavender ones. Now these pans didn't sell because we hadn't a good stock of Hydrangeas, Azaleas, Roses and other things, for we did have them and they also moved, but the unusual call for the bulbous stock seems to indicate that the buyers wanted something that was what they call "so Spring like." Lilies! Well, every good one went. I have almost come to the conclusion that the man who uses about 150 or 200 pots of Lilies, and must have them well grown, is as well off, if not better, if he buys them all ready grown from the man who grows them by the thousands. If you have heat there is nothing more easy to grow than a Lily, and at the same time nothing more uncertain as to just what you will get; and the man who grows 200 pots of them can't do it as well as the one who grows 2000 or 20,000. Primula obconica made good also, selling better than ever. Say what you will, there are but few plants we grow which bring better returns than they do, in the greenhouses of the retail grower—and most of us belong to that class. Azaleas and Rhododendrons could have sold better; several days last week on which the thermometer registered 70° didn't do some of the plants of Empress of India a bit of good, there was no more opportunity for holding back; what such temperatures did help to do was to get some much needed color to that grand Spiræa Queen Alexandra, plants of which were, up to a week ago, in a 90° house in order to get them to bloom. It is all over, but only for a few moments. We have hardly delivered the last order, but when I look over the empty benches of the Lily house, and then glance up to the crowded shelves and the 2½" Geraniums on the side benches, I almost feel like wishing that it was tomorrow morning so that we could go to work again.

The Perennials

A Good Time to Divide the Large Clumps

Throughout the middle West the Winter has been an ideal one for the perennials. They over-wintered finely. The leaves of the Coreopsis and the Gaillardias, on the young stock, are as green as they were last Fall when the first snow covered them. Some Campanula medium left outdoors are in the very best of shape, also the hardy Chrysanthemums which, like the Campanulas, usually freeze out if not well protected. What I want to call attention to at this time is the dividing of some of the large plants which might be on hand. There couldn't be a better time to do this with a Chrysanthemum maximum, Gaillardia, Delphinium, Phlox, or any other of the many better known perennials the average florist usually carries, than now. Where the climate is more mild this can, of course, just as well be done in the Fall. With us, however, it is always risky to expect the divided, wounded plants to over-winter well. A far better and safer plan is to divide now, for at this time of the year the plants will get over the operation quick-

We have a SPECIALLY nice lot of

YOUNG CARNATION AND CHRYSANTHEMUM STOCK

now ready, heavily rooted, sturdy stock, and liberal count. Try us once.

CARNATIONS

	Per 100 R. C.	2½-in
Enchantress	$2.50	$3.50
Rose Enchantress	2.50	3.50
Beacon	2.50	3.50
White Perfection	2.50	3.50
White Enchantress	2.50	3.50
Georgia	4.00	5.00
Welcome	3.00	4.00

CHRYSANTHEMUMS

A few stock plants of October Frost, C. Touset, Alice Roosevelt, Golden Glow, still left at $3.00 per 100, $26.00 per 1000.

The Following in R. C. and 2½-in. Stock.

Alice Roosevelt, October Frost, Golden Glow, Roslere, Monrovia, Minnie Bailey, Appleton, White Bonnaffon, Alice Byron, Dr. Enguehard, Yanoma, Wanamaker, Mankey, and nearly all standards, $2.00 per 100, $15.00 per 1000, R. C.; $2.50 per 100, $20.00 per 1000, for 2½-in. pots.

Virginia Pochlmann, $3.00 per 100, R. C.; $4.00, 2½-in.

Golden Eagle, Lynnwood Hall, $4.00 per 100, R. C.; $6.00, 2½-in.

Pres. Taft, Mrs. W. E. Kelley, $10.00 per 100, R. C.; $12.00, 2½-in.

I. M. RAYNER, Greenport, N.Y.

Please mention the Exchange when writing.

Rooted Cuttings

	Per 100	1000
Perfection	$2.00	$17.50
Georgia	5.00	
Enchantress	2.00	16.00
Rose Enchantress	2.00	12.50
Winona	3.00	25.00
Afterglow	2.00	16.00
Winsor	2.00	12.50
Harry Fenn	2.00	12.50
Beacon	2.50	20.00

Boston Ferns, from bench, $2.50 per 100, $20.00 per 1000; ready to plant.

QUIDNICK GREENHOUSES
J. H. Cushing, Prop., Quidnick, Anthony P. O. R. I.

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Bench Grown Strong Plants

Golden Glow, Pacific Supreme, White and Yellow Bonnaffon, Timothy Eaton,
$3.00 per 100,
$25.00 per 1000.

A. V. D. SNYDER, Seedsman, RIDGEWOOD, N. J.

Please mention the Exchange when writing.

Chrysanthemums

All the Standard Varieties

POMPONS and SINGLES

$2.00 per 100, $15.00 per 1000

Stock guaranteed true to name

GEO. B. HART
24 Stone St., ROCHESTER, N. Y.

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Polly Rose, Glory of the Pacific, Halliday, White and Yellow Bonnaffon, Robinson, Early Snow, Jennie Nonin.
Rooted Cuttings, $1.00 per 100; 2¼-in. pots, $2.00 per 100; $18.00 per 1000.
Bedding stock ready May 1.

E. L. RILEY, Trenton, N. J.
R. F. D. No. 2.

Please mention the Exchange when writing.

Double Your Carnation Profits—Last Chance to Buy

The trade has certainly bought liberally of Carnation Dorothy Gordon this Winter and Spring—orders for rooted cuttings have taxed our producing capacity nearly to the limit, but we're proud of the stock we've sent out, and judging by their kind letters, our customers are pleased, too. And next Winter, when all these splendid plants come to bloom and these florists begin to make money as they have never before made it from Carnations, they'll be still *better* satisfied!

Have *you* delayed getting in your order for this magnificent new Carnation? If so, this advertisement is addressed to you; we have just a few thousand more cuttings in the sand for April 15th delivery, and when these are taken, no more will be available till next Winter.

We urge you, if you want to double your Carnation profits, not to delay; the merit of this splendid new variety has been thoroughly proved and the only possible loss you can experience in the matter is to let this opportunity slip by and stick to the old sorts you've been growing in the past.

Carnation Dorothy Gordon

has a splendid pedigree, a long list of good qualities, and an enviable record of prizes and awards. It is a seedling of Lawson on Enchantress, possessing the principals merits of these varieties without their faults. It is vigorous in growth and is perfectly free from disease. Its flowers are a trifle darker than Pink Enchantress; they are borne in double the quantity, and are of exceptional size—averaging over 3 inches in diameter. They are very fragrant and keep exceptionally well. *The market price paid for Carnation Dorothy Gordon is regularly 50 per cent. more than that paid for Enchantress.*

From the very first, Dorothy Gordon has established a splendid record as an exhibition variety. High awards were given it at the meeting of the American Carnation Society in 1908 and at the National Gardeners' Association meeting in New York in 1909. This season it has attracted much attention and has won further renown at the Pittsburgh and Toronto meetings.

In order to give the trade a fair opportunity to test it thoroughly, we have from the first sold rooted cuttings at a price which would get it established everywhere. This low figure still prevails, and the remaining stock will be sold at these prices: **$10.00 per 100, $75.00 per 1000.** *No further offers this season.*

Joseph Heacock Co., Disseminators : : Wyncote, Pa.

Please mention the Exchange when writing.

er, and on account of the root action there is less danger of rot or decay. Get at such old clumps as there may be on hand and are worthy of propagation, and divide them at once, the smaller the pieces the better. The less woody stalks or roots left to the individual divisions the better; just a little care taken in the dividing means money in your pocket.

The Hotbeds

Their Great Importance to the Retail Grower

Hotbeds are certainly a great help to the retail grower at this time of the year. There are but few bedding plants which will not do equally as well in frames as on the greenhouse bench. The only reason we have for failure is negligence on the part of the grower. Whenever there is the least doubt as to being able to find time or have some one reliable to take the proper care of the stock in the hotbeds, it is useless to go to the trouble of preparing them. Here, as with the indoor stock, only too often the grower is liable to undertake too much, and finds this out usually too late. To provide the proper ventilation and faithfully attend to the watering are the two main requirements in the care of hotbeds; either one, if neglected, might ruin, in a few hours, stock which has cost months of work. On the other hand, when proper attention is given stock in a hotbed, where the pots are plunged in or standing on the moist soil, with a gentle bottom heat, you have ideal conditions for the growing of many of your bedding plants, far better than you could expect on a greenhouse bench. When one takes into consideration what an amount of stock can be added by the proper use of a few hotbed sash it would seem that the average grower would find it a paying proposition, even if he will only have use for the sash during the short period of four to five weeks of the year. For instance, he can put about 200 3½" pots side by side in a 3 ft. by 6 ft. sash; averaging them at 5 cents for whatever plant they may contain, why doesn't it pay to use a sash for that purpose?

Plants for the Hotbeds

A Few the Average Grower Handles

Among the plants which are not so very particular about the manner of heating them is the Canna. We have the very best of results with them in the frames; an overhead watering with the hose, such as would be out of place with Geraniums in bloom, is just right for them; as long as they are kept moist enough they will make good, and there isn't any reason, whenever the grower is short on bench room inside, for having Cannas occupy valuable space there when a hotbed can be had, not that they aren't deserving of the bench, but they will do equally well in the hotbed. When it comes to Geraniums, while I have seen some of the finest plants grown in frames, it certainly takes a careful man to attend to them as they ought to be attended to; it is easier when on the bench. Tuberous rooted Begonias just delight in the atmosphere of a hotbed, it's the very place for them. If you are going to use the plants for bedding out later, remove the sashes for a few hours each day toward the end of May and get them hardened off, just what they want. Then there are Coleus, Centaureas, Mme. Salleroi Geraniums, Fuchsias, Heliotropes, Ageratums, and so many others used in every florist's place where bedding stock is handled, which will do well in frames. Twelve inches of well packed manure is all that is really required to get a hotbed into shape in April. Pot up your Cannas into 3½'s and plunge the pots, shade for a few days, and they will soon grow into salable stock; and so with the Begonias—as soon as the leaves begin to appear in the flats the tubers are in, pot them up and give them the hotbed.

Leftover Hardy Stock

It pays to Take Care of It.

Any of the shrubs which were forced for Easter and are left over will make good plants again if care is taken of them. This is particularly the case with Lilacs, Spiræas and Deutzias. We always have some of them left over, and quite often there is a call for cut sprays of these useful flowers. With the temperature 74°, in the shade, as is the case today, one would hardly think it possible to expect any more cold weather this Spring; and yet it will be better to place any left over plants, intended to be planted out in the field, in a cold frame for about two weeks. The plants are soft, and a hard frost will not benefit them any. Cut them back well just before they are planted out; two growing seasons in the field will develop them into good salable stock again. If you intend forcing certain stock in the shrub line for another Easter, better begin now by placing an order with your nearest nurseryman for a good supply of 2 to 3 ft. plants. Give them field culture over Summer and pot up next October; you will, by so doing, have them when ready. You can buy 2 to 3 ft. Spiræa Van Houttei for about 8 to 10 cents, and if taken care of they will make excellent material for forcing next Winter. If not sold, you will lose but the labor in having taken care of them during three months inside, for the plant itself is not lost, use it over again.

Azaleas and Rhododendrons

Unsold Stock—What to Do With It

I was asked the other day what we did with our left over Azaleas, and if we found it a paying proposition to keep them over and how it was done. I have never kept a record of our experience in keeping Azaleas over, but am sure that if we haven't lost any money doing it, the profit we made was so very small that we never noticed it; therefore, while we still recommend our customers, whenever they ask our advice, to plant their Azaleas out along the edge of some shrub border during the Summer months, we hide our own underneath the compost heap. If we should happen to get left with an expensive plant which is in good shape, it pays to carry it over. I am also of the opinion that it pays to keep the plants over where a great number of them are on hand and proper methods can be used in taking care of them, but for the smaller retail grower, who has, say, a couple of dozen plants left over each year, it doesn't pay to bother, for nine chances out of ten the plants will not get proper care during the Summer months. I have experienced it and have seen the same neglect at other places. Expose a potted Azalea to four hours of good July sun, when the plant is in need of water, and you will undo six months of faithful care. And that holds good with the Rhododendrons. However, plants which are to be kept over should now go to a cool light house or, what is better, a frame, and not be stuck under some benches—that isn't the place for them. Protect them against frost until the end of April.

Dahlias

Get Ready a Good Stock for Planting Out

But few of us can get along without growing Dahlias, even if we haven't as much success with them in certain localities as in others. They are most valuable as cut flowers, and with the newer varieties such as have been added during the last ten years, especially in the Cactus class, there is an increasing demand for them on the part of the public. You are bound to try some of the new ones, and nothing is gained by waiting before ordering them—the sooner this is done the better. Mrs. Chas. Turner in the yellows and Countess of Lonsdale as a pink, while not novelties, are two splendid varieties. I know of no other Dahlia which has as beautiful color under artificial light as Countess of Lonsdale. Look over your own stock. If you use the dormant roots to plant out into the field, the first planting can be made in early April. Divide the roots, place the tubers about 4 inches below the soil, 2 ft. in and 3 ft. between the rows. If you are short on certain sorts, plant the roots on a sunny bench and use the young growth for cuttings; they root very quickly and make the very best of stock for planting out. If you are disappointed with certain new ones the first season give them another trial, some of the best ones we grow didn't do a thing the first season.

Snow-White Sport of Helen Frick

CHRYSANTHEMUM

From 2¼-inch pots . $10.00 per 100
Rooted Cuttings . . . 8.00 " "
Unrooted Cuttings . . 5.00 " "

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

CHRYSANTHEMUMS
Rooted Cuttings

White: Baby Margaret, Lynnwood Hall, Touset, A. Byron, Timothy Eaton, Chadwick, J. Nonin, Ivory, Desjouis.
Pink: Amorita (very early), Glory of the Pacific, M. Dean, Mary Mann, Rosette, P. Ivory.
Yellow: Golden Glow (very early), M. Bonnaffon, Y. Eaton, Cremo, Robt. Halliday, Golden Eagle, Yellow Jones, Golden Chadwick, Baby.

Send for Price List.

WILLIAM SWAYNE, P. O. Box 215, KENNETT SQ., PA.

Please mention the Exchange when writing.

NEW CHRYSANTHEMUM

Mrs. Jane Cockburn

EARLY PINK

Ready for February and March delivery. Blooms firs week in October. Beautiful mauve pink. Good keeper and shipper.

$6.00 per 100, $50.00 per 1000

Five huodred at one thousand rate.

First come, first served

SAMUEL COCKBURN & SONS

233rd St. and Verio Ave., Woodlawn
NEW YORK CITY

Please mention the Exchange when writing.

FIRST CLASS STOCK

	Doz.	100
PRIMULA Obconica, 6-in.	$6.00	
DRACAENA Indivisa, 5-in.	2.50	$20.00
VINCA Variegata, 4-in.	1.50	10.00
IVY GERANIUMS, mixed, 2½-in.		2.50
GERANIUM Mme. Sallerol, 2-in.		2.00

F. C. RIEBE, Webster, Mass.

Please mention the Exchange when writing.

ROOTED CUTTINGS

FUCHSIAS, Finest Double, dwarf habit, $1.00 per 100; $8.00 per 1000. Elm City, double dwarf, a handsome purple, $1.00 per 100; $8.00 per 1000.
PETUNIA, The Queen, fine double fringed, white mingled with purple, $1.00 per 100; $9.00 per 1000.
AGERATUM, Stella Gurney, 50c. per 100; $4.00 per 1000.

Cash with order.

J. P. CANNATA, Mt. Freedom, N. J

Please mention the Exchange when writing.

ORCHIDS

CATTLEYA Warneri, C. Harrisoniae, C. Gaskelliana, C. Gigas, Hardyana type; DENDROBIUM Phalenopsis, Schroederi; ODONTOGLOSSUM Luteo-purpureum, Sceptrum.

LAGER & HURRELL, Summit, N. J.

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ORCHIDS

We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawrenceana, Gaskelliana, Dowiana and Percivalliana. Write to-day.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

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ORCHIDS! ORCHIDS!

A large and attractive lot of established plants; also importations coming, which we offer at advantageous prices.

ORDONEZ BROS., 41 W. 28th St. New York also Madison, N. J.

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ASPARAGUS PLUMOSUS

From 2¼-inch pots, $2.50 per 100, $22.50 per 1000.

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FLORAL HILL GARDENS
G. F. NEIPP, Prop.
CHATHAM, N. J.

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SANDER, ST. ALBANS, ENGLAND

and 235 Broadway, Room 1, New York City

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A. L. YOUNG & CO., 54 West 28th Street Telephone, 3559 Mad. Sq. and **Manhattan Flower Market,** 46 West 28th Street, NEW YORK Telephone, 1016 Madison Square

WHOLESALE FLORISTS Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial

Please mention the Exchange when writing.

NEW YORK, March 30.—Last Saturday night found the New York cut flower market at the glut point. Potted plants for Easter use had been given the preference by buyers, and the supply of cut flowers exceeded the demand. The continued warm weather this week has caused the growers to send in large shipments to an already glutted market. There could be but one result, namely, a slaughter of prices.

The basket and pavement florist is carrying away more flowers for his money than ever before, and more we hope than he ever will again, and yet he has his place, and has become a useful factor in helping to clean up a glutted market. The general axiom is "make any kind of an offer and you can take away the flowers."

Special American Beauty Roses in a few cases are selling as high as 25c. each. The top notch price for Richmond is 10c., Killarney 6c., and on Bride, Bridesmaid, and My Maryland there is practically no price, though a few of the very best sell at 5c.

Best grade Lilies sell for 6c. and Callas 8c. each.

Prices on bulbous stock reach their limit at $1 per 100, and Lily of the Valley at $2. Violets are nearly finished, but the best of arrivals reach the 50c. mark. Orchids are not plentiful, but are selling at 60c. each for the best Cattleyas, and 40c. for Dendrobium Formosum.

Very large consignments of Roses and other flowers from Rhode Island and Connecticut are arriving and still further depress the market, and up to the time of going to press conditions are growing worse, with Killarney Roses selling for $10 per 1000 in some transactions, and other good Roses going at an equally low price.

PHILADELPHIA, March 28.—Weather conditions for the week preceding Easter Sunday were such that they increased the demand for both potted plants and cut flowers, and made possible quicker and better deliveries. The only drawback was that the warm weather was damaging to the Violet crop, and also caused some Roses and Carnations, especially the held back stock, to arrive in soft condition. A careful inquiry among the wholesalers and commission men brought out an expression of opinion from nearly all that the volume of business had been equal to or greater than that for the corresponding season of 1909, and on the whole was satisfactory. In many cases the prices on Saturday were not greatly in advance of those of the week. The highest prices mentioned here were the prices of Saturday, while the average prices for the week in some cases was somewhat lower.

The supply of American Beauty Roses was not plentiful and specials realized as high as 75c. each; while Richmond of the same grade sold for 20c. to 25c. each. The best Bride brought 12c. to 15c., with Bridesmaid 8c. to 10c. Killarney and My Maryland came in in excellent condition and reached the 20c. mark for the best, with Kaiserin at 10c., and Mrs. Jardine at 25c. Lower grades of Roses were in full supply and sold all the way down to 4c. for the lowest grade.

A few special Carnations sold as high as 6c. each, but Carnations at that price cannot hold their own as an Easter flower, and late on Saturday they had to be offered at 3c. to 5c. each in order to clean up the stock. Many Carnations, as well as Roses, came in soft because the grower had held them back, and they had to be sold at sacrifice prices.

Extra quality long stemmed Gardenias brought $2 to $3 per doz. Violets, single and double, though for the most part of only medium to poor quality, were in steady demand at 75c. to $1.25 per 100 for single and $1 to $1.25 for double, for the best obtainable.

Neither Easter Lilies nor Callas seemed to get above the 15c. mark, and many of the poorer grades of Lilies sold for 10c. each. Cattleyas were not over abundant, and top grade flowers realized 75c. each, and from that down to 50c.

Bulbous stock of all kinds was moving off briskly and at good prices. Lily of the Valley showed a decided rise and sold at $3 to $4 per 100. Tulips, brought 2c. to 3c. while for some fancy varieties like Couronne, d'Or 4c. was asked. Southern Daffodils arrived in good condition, and realized $1 per 100, while home grown varieties, such as Emperor were selling at $3 for best grades. Lilac was moving well at $1 per bunch of 12 sprays. There was a good demand for Sweet Peas, the top grade bringing $1.25 per 100.

The supply of miscellaneous stock was varied, and moved satisfactory. Snapdragons sold at $1.50 to $2 per doz. Daisies, yellow and white, were good property, and sold easily at $1.50 to $2 per 100. Fancy Mignonette sold well at $3 per 100. Pansies proved everywhere good sellers at 50c. to $1 per 100.

Of Asparagus and Smilax there was, especially of the latter, no more than enough to go around, but the former remained at the normal price of 50c. per bunch, while Smilax soared to 25c. per string.

Today, Monday, there was the usual reaction after Easter, and consequent fall in prices all along the line, but up to evening nothing which could be called a slump had resulted. Some special Am. Beauty Roses sold at 50c. each, and Richmond specials found purchasers at 15c., while the very best Killarney did not get above the 10c. mark. The demand for Bride and Bridesmaid was limited and prices low.

Fancy Carnations sold for $3 per 100.

The top notch price on Daffodils, and other bulbous stock was $1.50 per 100, and most sales were at a much lower figure. Lilies sold at from 8c. down, and Callas from 10c. down. All other flowers showed a decided drop from the prices of Easter week.

The unprecedented warm weather increases the cut of flowers with the growers, causing heavy shipments now when the demand is naturally light, and a further fall in prices during the remainder of the week is expected.

BOSTON, March 29.—Early in Easter week the market proved quite good and on the upward move; although stock was quite plentiful it cleaned up and good prices were obtained. Cut flowers were never more plentiful than they were this year and on Saturday prices went all to pieces. There are always some who hold back to the last moment, thinking there will be an advance in prices. The unexpected happened on Saturday, prices dropping considerably. Yet with all the slump Easter business could not be called bad, as the good prices in the early part balanced up things well.

Although Roses were much more plentiful than they have been, such kinds as American Beauty, the Killarneys and Richmond brought good prices. Bride and Bridesmaid were not in such good demand and the prices obtained were not as satisfactory; yet taking the whole list of Roses into consideration the trade was quite good, in spite of a little surplus.

Carnations sold well. There was a great demand for good white Carnations, and it is the first time that white kinds beat the colored.

Violets were cleaned up at good prices and there were none too many for the demand. Prices ran from 30c. to 75c. per 100, and very choice ones were higher.

Bulbous stock was more than abundant. Narcissus Empress, Princeps, Golden Spur and Emperor brought $10 per 1000. Tulips were very plentiful and prices were not satisfactory. In bulbous goods there was a large surplus.

Cattleya Shroederæ was in good demand and $6 per doz. was the price. Sweet Peas sold well and were abundant. Mignonette, Marguerite, Snapdragon, Freezias and other miscellaneous stock sold fairly well.

Asparagus Sprengeri and plumosus were not over abundant, and therefore good prices were obtained. Adiantum cuneatum, Croweanum and Farleyense sold well. Southern Smilax, Boxwood, Mexican Ivy and all other green goods were in good demand and quite satisfactory prices obtained. Gardenias were more plentiful than a few weeks ago and the prices were good. Lily of the Valley was plentiful and sold well. Mayflowers are just beginning to come in and the price is $2 to $3 per doz. bunches.

R. C.

CHICAGO, March 29.—As is usual, the market is quiet after the busy Easter rush, although business is not as stagnant as one would suppose. The quantities of stock being received can hardly be comprehended, and all in excellent condition. Never has stock come in with such a rush at this time of the year. The outlook is that very shortly nearly every grower's Roses and Carnations will go off crop, which will mean the redemption of the market. Roses are abundant in all varieties, and American Beauty and Richmond, so strong last week, took a drop in prices with the rest, but not so decided as in the other lines. Killarney, Bridesmaid, Bride and other varieties have sold as low as 2c. and 4c. each, and then some were left over.

Carnations at Easter were in extra demand and moved nicely although reduced to 2c. and 3c. for the best sorts. Some were sold as low as $1 per 100, but they were of inferior quality. Lilies were the one crop that was disappointing. The impression was that there were loads of held back flowers that would flood the market, but they failed to materialize. The quoted prices, $15 per 100, prevailed. Callas were good and moved off at about the same price. Lily of the Valley was also in good demand.

Bulbous stock came in in awful quantities, almost glutting the market. With the exception of much of the Southern Daffodils it was nearly all sold, although some at a sacrifice. Stocks were in great abundance and many were unsold.

Violets proved a disappointment in every way. Arrivals were all in very bad condition, being overheated. Thousands of bunches went to the garbage barrel, very few were in condition for selling, mainly those from the local growers. Some fine Spanish Iris arrived just in time for the Easter trade, and the best flowers brought 4c. each. Dutch Hyacinths were plentiful, and some fine grade spikes brought from 4 to 6c.

Orchids had a good call and no surplus stock was noted; prices ranged from 50 to 75c. each. Gardenias also moved nicely at 25c.

All greens were much in demand for decorative purposes, but there was plenty to supply all demands. Considering the enormous amount of stock available it is surprising how little went begging.

ST. LOUIS, March 28.—Easter trade here was fully up to last year's and in some cases very much better, especially so in blooming plants. The weather was of the made-to-order kind, in fact the whole month was more like Midsummer than March and all the stores could make a fine show of plants outside. From all reports, the trade has done a tremendous plant business and for better value than last year. Lilies, that a few weeks ago were reported backward, all came in just right and every grower around here had plants for all demands. Azaleas were in great demand; Hydrangeas were to be had only in limited numbers. Spiræas, Ramblers, Rhododendrons, Lilacs, Dutch Hyacinths and Tulips came in for their share of calls.

The show houses of the West Enders were packed all of last week; today they are empty and it will take a lot of replenishing to keep from looking like moving day. In cut flowers there was also a big business done at the retail stores all over the city; stock of all kinds was in plenty and prices were almost as high as at Christmas. Downtown florists especially had a big run on cut flowers; Lilies, Sweet Peas and Carnations sold best. Violets had a big demand but were very scarce and are about done for this season.

Among the commission men the big demand by the local trade cut down shipping orders somewhat, still they had large consignments of everything in season. American Beauty Roses, in all grades were plenty and brought from $2 to $5 per doz.; shorts, $6 to $10 per 100. Roses, such as Killarney, Ivory, Richmond, Bride and Bridesmaid, from $5 to $10 per 100; shorts, from $2 to $4 per 100. Carnations, large fancy, $5 per 100; others, from $3 to $4 per 100. Lilies, $15 per 100; Lily of the Valley, $3 to $4; Dutch Hyacinths, $4; Tulips, $3 to $4; Paperwhite Narcissus, $3; Freesia, $3; Jonquils and Von Sions, $2 to $3 per 100; Sweet Peas, 50c. to $1 per 100; these were in plenty with a great demand. Violets sold clean, the few that came in, at 50c. to 75c. per 100.

So all points to the best Easter the trade has had in years.

ST. PATRICK.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager Consignments Solicited
30 West 28th Street, Telephone 6237 Madison Square NEW YORK

Please mention the Exchange when writing.

Henshaw & Fenrich
Wholesale Florists
51 West 28th Street
New York
Phones 325-5582-5583 Madison Sq.

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J. K. ALLEN
WHOLESALE COMMISSION FLORIST
106 W. 28th St., New York

I have room to handle more consignments to advantage, of Roses, Carnations, Violets, Valley, Tulips and other stock. Highest prices. Prompt returns. Give me a trial. Your correspondence appreciated.

Tel. 167 Madison Square. Open 6 o'clock every morning

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C. BONNET G. H. BLAKE
BONNET & BLAKE
Wholesale Florists
130 Livingston St., BROOKLYN, N. Y.
Telephones: 1293-1294 Main
We solicit consignments of cut flowers, especially of good ordinary carnations; prompt returns and payments. Out-of-town orders carefully attended to. Give us a trial.

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Sixth Avenue and 26th Street
COOGAN BUILDING, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent
V. S. DORVAL, Jr., Secretary

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Wholesale Florists
48 WEST 28th ST., NEW YORK
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GREATER NEW YORK FLORIST ASSOCIATION, Inc.
Wholesale Commission Dealers in Cut Flowers and Supplies
162 LIVINGSTON STREET, BROOKLYN, N. Y.
GEORGE W. CRAWBUCK, Manager

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
110 West 28th Street
Phone, 661 Madison Square NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888

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Greenhouses: FOREST HILL, N. J.
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PLANTSMEN & FLORISTS
50 West 28th Street, NEW YORK

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Wholesale Commission Dealer in
CUT FLOWERS
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Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
55 West 28th Street, NEW YORK
Telephones 4626, 4627 Mad. Sq. Established 1861.

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Wholesale Florist
CONSIGNMENTS SOLICITED
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Telephone: 3393 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
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WHOLESALE FLORIST
55 & 57 West 26th St., New York
VIOLETS CARNATIONS AND ROSES
Shipping orders receive prompt attention.
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Wholesale Florists
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TELEPHONES: 798 AND 799 MADISON SQUARE
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THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664--1665 MADISON SQUARE
ENOUGH SAID

PHILIP F. KESSLER Commission Dealer in Cut Flowers
Open from 5. a. m. to 6 p. m. Sunday till 10 a. m.
55 & 57 W. 26th St., New York City
FISCHER'S PURITY **FREESIAS** Grown by Mathews of Great Neck, L. I.
Tel. 5243 and 2921 Mad. Sq. Res., 345 J. Newtown. FINEST LILIES IN THE MARKET EVERY DAY IN THE YEAR

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, March 30th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	15.00 to 25.00
" extra	10.00 to 15.00
" No. 1	6.00 to 8.00
" No. 2	4.00 to 6.00
" No. 3	2.00 to 4.00
Killarney	3.00 to 6.00
White Killarney	3.00 to 6.00
My Maryland	1.00 to 5.00
Richmond	4.00 to 15.00
Mme. Abel Chatenay	.... to ....
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	3.00 to 5.00
" extra	2.00 to 4.00
" No. 1	1.00 to 2.00
" No. 2	.... to ....
Adiantum	.50 to 1.00
Cruweanum	.50 to 1.50
Antirrhinum (per bunch)	.25 to .40
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.25 to .40
Sprengeri, bunches	.25 to .40
Bouvardia	.... to ....
Callas	4.00 to 6.00
Daffodils	.50 to 1.00
Daisies	.50 to 1.50
Ferns, per 1000	.... to ....
	.... to ....
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.50 to .75
Standard Varieties: White	.75 to 1.00
Standard Varieties: Pinks	.75 to 1.00
Standard Varieties: Red	.75 to 1.00
Standard Varieties: Yel. & Var.	.75 to 1.00
Fancy (The highest grades of Sta'd varieties): White	1.00 to 2.00
*Fancy: Pinks	1.00 to 2.00
*Fancy: Red	1.00 to 2.00
*Fancy: Yel. & Var.	1.00 to 2.00
Novelties	.... to ....
Gardenias, per doz.	1.00 to 2.00
Lilac, per bunch	.50 to 1.00
Lilies, Harrisii and Longi.	3.00 to 5.00
Lily of the Valley	1.00 to 2.00
Mignonette, per doz.	.20 to .50
Narcissus	.50 to 1.00
Orchids, Cattleyas	25.00 to 50.00
Cypripediums	.... to ....
Dendrobium Formosum	.... to ....
Pansies, per doz. bunches	.30 to .50
Poinsettias per doz.	.... to ....
Hyacinths	.50 to 1.00
Smilax (per doz. strings)	1.50 to 2.00
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.50 to 1.00
Tulips	.... to ....
Violets, single	.25 to .40
" double	.25 to .40
	.... to ....

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST. NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1998 Madison Square
JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

New York

On account of the sale of the building where Traendly & Schenck are now doing business, they will be compelled to look for new quarters.

News came on Tuesday that a son of Mr. Hatcher of Amsterdam, N. Y., had died in Illinois.

It is said that one firm on 28th st. sold a million Violets last week.

Hitchings & Co. have been building an iron post and rafter greenhouse, 161x28 ft., at Bound Brook, N. J., for Thomas Young, Jr., the 5th ave. florist; also another of similar construction, 425x55 ft., for L. B. Coddington, Murray Hill, N. J.

J. H. Small & Sons have their store windows decorated with large branches of Apple boughs in bud.

Charles Millang is confined to his home with illness.

Alexander Smith of the N. Y. Cut Flower Exchange is the happy father of a girl baby, born Tuesday, March 29. Congratulations are in order.

Mr. James McHutchison of McHutchison & Co., sailed last Wednesday, per S. S. Lusitania, for Europe on his annual business trip for the firm.

"Buds" Manhattan, is a new concern incorporated with a capital of $5000 to deal in flowers, seeds, bulbs, plants, etc. Incorporators, Carl R. Gloeckner, 376 Webster ave., Persey City, N. J.; Wm. F. O'Connor, Wm. H. Siebrecht Jr., both of 277 Broadway, New York City.

Wm. Elliott & Sons had a most successful auction sale on Tuesday of this week, including everything, practically, in nursery stock, with Rhododendrons, Hardy Roses, Shrubs, Clematis and the California Privet specialties. The attendance was unusually large and prices obtained most satisfactory. The firm will continue these nursery stock and plant auctions twice a week throughout the season.

The Fruit Auction Co. had a most successful series of sales during Easter week, a new departure in the line of auction business, and from Tuesday until Saturday preceding Easter, inclusive, their auction rooms were filled with bidders who bought large lots and at good prices. The stock of Easter plants offered was splendid, Azaleas, Roses, bulb stock, Rhododendrons and, in fact, a complete line of seasonable plants in full bloom. Although a new departure, this continued sale for practically the entire week met with the greatest success. Manager John P. Cleary is certainly to be congratulated.

In Brooklyn

Abrams has been running a Fulton st. store during Easter week.

Frederick Loeser & Co. had the windows of their department store decorated with pots of Rambler Roses; and other stores, especially those handling Easter goods, decorated their show windows with potted plants.

James Mallon's Sons had their store well filled with a varied stock of good potted plants, and reported sales very satisfactory.

Robert G. Wilson at his Green ave. store near Fulton st. reports so much funeral work that he with difficulty found time to decorate his store for Easter. Some Lilacs grown in standard form and Crimson Rambler Roses grown into the form of arches were especially noteworthy. At his greenhouses and salesrooms at 341 Greene ave. are some fine specimens of Metrosideros, or Bottlebrush plants, and a new variety of Rhododendron with flowers of apple blossom color. He also has several large and perfect specimens of the Fern Cibotium Schiedei. The whole frontage of the salesroom at the latter place will shortly be torn out and remodeled at no distant date.

At Applegate's on Putnam ave. during Easter week potted plants in great variety and of superb quality were artistically arranged, in a manner hardly approached in New York or Philadelphia. Mr. Applegate had seven churches to decorate for Easter. Some irregular shaped baskets made of plaited grass and colored a delicate pink formed novel covers for potted plants. This is Mr. Applegate's 33d year in business.

At the greenhouses of Charles Zeller & Son on Leffert st. unusual activity prevailed during Easter week, business being far better than was the case last Easter. Tubs of Crimson Ramblers with Easter Lilies growing about the base were conspicuous at this establishment and formed a pleasing combination.

Philadelphia

Calls last week upon a majority of the retail florists brought out some facts which may be of interest to both grower and wholesaler. First, with hardly a dissenting voice the retailers expressed the opinion that the sales for this Easter were larger than for the last. While cut flowers sold well, potted plants reigned and, though the whole line of them was in good demand, the most popular were Hydrangea Otaksa, Rambler Roses, and Azaleas. Lilies sold rather slowly. The buyer of moderate means was pleased with a pan well filled with Hyacinths or Daffodils. Pansies, too, and Daisies in rustic boxes met with ready sale. Rhododendrons went slowly as compared with Azaleas. Tausendschon, Crimson Rambler and Dorothy Perkins Roses were very attractive and had a steady sale.

Where the buyer could afford the price, baskets and boxes of various shapes, materials and designs, filled with different kinds of plants, moved well and no difficulty was met in making sales.

At the J. J. Habermehl's Sons' store an immense Paris Daisy of perfect form and literally covered with a multitude of blooms attracted much attention and was purchased by Heinz, the pickle manufacturer, to be shipped to him. Also to be noted here were some baskets of magnificent Lilium auratum, and some unique moss-covered receptacles filled with Dendrobium nobile, not seen elsewhere. Mr. Habermehl called the writer's attention to a portable electric fountain which can be set up anywhere where an electric current can be obtained and set in motion with only a few gallons of water. This fountain when made the center of a collection of plants is very effective.

At Robert Kift's were noted gilt baskets filled in a light and airy way with several kinds of plants, showing especial skill in putting them up.

Charles H. Fox had an attractive display of good plants, and some very fine Hydrangeas in baskets in combination with other plants.

At Frank Polites' were some extra fine double yellow Tulips in rustic boxes.

It was indeed a treat to any lover of plants and flowers to visit the store of Pennock Bros. An immense Acacia of some old variety and forgotten name, some four feet in diameter and perfectly symmetrical, was covered with cream-colored flowers and surpassed anything in that line seen elsewhere. It was sold as soon as it was brought into the store. Their Tausendschon and other potted Roses were unusually well finished. Some baskets of pleasing design filled with various kinds of plants were in different combination than those generally on sale and showed great taste in selection.

Among the wholesalers and commission men, John McIntyre says that business was never as good with him as during the past two months and especially this Easter. He is shipping Lilac to all the large cities, and is handling some gigantic Callas which at Easter reached the $2.50 mark.

At S. S. Pennock-Meehan Co.'s store satisfaction was expressed with the volume of Easter sales. This company, as is well known, handles a very complete line of cut flowers, covering almost or quite all varieties, with especial attention to Roses and Carnations.

W. E. McKissick & Bros. had been fortunate in securing some very good single Violets, and long-stemmed Lilies of excellent quality for Easter trade.

Alfred M. Campbell reports heavy sales of his specialty, Asparagus plumosus. He also handled some exceptionally good Daffodils. He is, so far, making a vain search for young plants of Adiantum hybridum for growing on in his greenhouses.

Calling upon Robert Craig Co., it was found that his houses which had been so well filled with potted plants suitable for Easter, were nearly emptied by the large sales. In a large house which had been filled with Spiræas only one plant was left. Mr. Craig expressed himself as well satisfied with Easter business this year. The sales of Tausendschon, Lady Gay, Dorothy Perkins and Crimson Rambler Roses were unprecedented. The company has five houses devoted to Ficus pandurata, and even those are not enough to supply the demand for this plant, which is here grown to perfection.

At the Leo Niessen Co.'s establishment, where is handled a full line of cut flowers, Leo Niessen expressed himself as well pleased with the Easter business.

Wm. J. Baker has been handling large quantities of nice Pansies. The writer had the pleasure of meeting at Mr. Baker's Wm. Swayne of Kennett Square, Pa. Mr. Swayne not only grows Carnations, Pansies, etc., but is a large grower of Mushrooms, his crop to ship averaging about 100 lbs. per day to the different cities.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Mar. 21, 1910	Pittsburg Mar. 29 1910	NAMES AND VARIETIES	Boston Mar. 29, 1910	Detroit Mar. 29, 1910	Cincinnati Mar. 26, 1910
to 35.00	30.00 to 40.00	Roses—A. Beauty, fancy—special	30.00 to 40.00	30.00 to 40.00	to 30.00
20.00 to 25.00	15.00 to 25.00	" extra	15.00 to 20.00	20.00 to 25.00	to
10.00 to 12.50	8.00 to 12.00	" No. 1	8.00 to 12.00	12.00 to 15.00	to
4.00 to 8.00	to	" No. 2	2.00 to 8.00	6.00 to 10.00	to 4.00
to	6.00 to 12.00	Killarney	6.00 to 8.00	to	4.00 to 10.00
to	6.00 to 12.00	White Killarney	6.00 to 8.00	to	4.00 to 10.00
to	3.00 to 6.00	My Maryland	6.00 to 8.00	4.00 to 12.00	4.00 to 8.00
4.00 to 8.00	4.00 to 12.00	Richmond	6.00 to 8.00	6.00 to 12.00	4.00 to 10.00
4.00 to 6.00	3.00 to 6.00	Perle	to	to	to
to	to	Golden Gate	to	to	to
4.00 to 8.00	3.00 to 12.00	K. A. Victoria	to	4.00 to 12.00	to
to	to 15.00	Bride, Maid, fancy—special	6.00 to 8.00	10.00 to 12.00	to 12.00
to 6.00	to 12.00	" extra	2.00 to 4.00	8.00 to 10.00	to
to 4.00	to 8.00	" No. 1	to	6.00 to 8.00	to 6.00
to 2.00	to 6.00	" No. 2	to	4.00 to 6.00	to
to 1.00	1.00 to 1.50	Adiantum	1.00 to 1.50	1.00 to 1.50	to
to	to	Antirrhinum, (per bunch)	to	1.00 to 1.50	to
to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	35.00 to 50.00	30.00 to 50.00	to 25.00
to 30.00	20.00 to 30.00	" Sprengeri, bunches	35.00 to 50.00	30.00 to 50.00	to
to	to	Bouvardia	to	to	to
to 12.50	to	Callas	8.00 to 12.00	12.50 to 15.00	8.00 to 12.00
to	to	Chrysanthemums	to	to	to
to	1.50 to 2.00	Carnations—Inferior grades, all colors	1.00 to 1.50	to	1.00 to 3.00
to 2.00	to 2.50	Standard Varieties: White	1.00 to 2.00	3.00 to 4.00	to
to 2.00	to 2.50	Pink	1.00 to 2.00	3.00 to 4.00	to
to 2.00	to 2.50	Red	1.00 to 2.00	3.00 to 4.00	to
to 2.00	to 2.50	Yellow and var.	to	to	to
3.00 to 4.00	to 3.00	*Fancy (The highest grades of Std'd vars.): White	1.00 to 2.00	4.00 to 5.00	to
3.00 to 4.00	to 3.00	Pink	1.00 to 2.00	4.00 to 5.00	to
3.00 to 4.00	to 3.00	Red	1.00 to 2.00	4.00 to 6.00	to
3.00 to 4.00	to 3.00	Yellow and var.	to	to	to
to 3.00	1.00 to 3.00	Daffodils	1.00 to 2.00	to 3.00	to
to .60	2.00 to 3.00	Daisies	to	1.00 to 2.00	to
to .25	to .20	Ferns, hardy	to	to .15	to
to	to	Freesia	1.00 to 1.50	3.00 to 4.00	to 1.00
to .20	to .12	Galax, green and bronze	to .15	to .12	to
to	to	Gardenias, per doz.	1.00 to 2.00	to	to
to	to 1.00	Lilac, (per bunch)	to	to	to
to 12.50	to 12.00	Lilies, Harrisii and Longi	10.00 to 12.00	12.50 to 15.00	to
to 3.00	3.00 to 4.00	Lily of the Valley	to	3.00 to 4.00	to
to 3.00	2.00 to 4.00	Mignonette	2.00 to 3.00	6.00 to 8.00	to
to	1.00 to 3.00	Narcissus	1.00 to 2.00	to 3.00	2.00 to 3.00
to	to 75.00	Orchids—Cattleyas	to 50.00	to	to
to	to 15.00	Cypripediums	to	to	to
to	to	Dendrobium Formosum	to 35.00	to	to
to	1.00 to 1.50	Pansies, per doz. bunches	to 2.00	to	to
to	to	Roman Hyacinths	to 2.00	4.00 to 8.00	to 3.00
to 1.50	to 1.50	Smilax, (per doz. strings)	2.00 to 2.50	1.50 to 2.00	to
to	to	Stevia, per bunch	to	to	to
to .75	.50 to 1.25	Sweet Peas	.35 to .50	.60 to 1.00	.50 to .75
3.00 to 4.00	to	Tulips	1.00 to 2.00	3.00 to 4.00	to
to .50	.50 to .75	Violets, single	.50 to .75	.75 to 1.00	.35 to .75
to	.60 to .75	" double	.40 to .50	.50 to .75	to
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.

SPECIALTIES
CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY
And all other seasonable flowers in quantity

WELCH BROS.
226 Devonshire Street.

Please mention the Exchange when writing.

E. G. GILLETT
WHOLESALE FLORIST
Successor to Gillett & Ohmer
131 East 3rd St. CINCINNATI, O.

ALL CUT FLOWERS IN SEASON
I Sell Heller Bros. Roses
I MANUFACTURE WIRE WORK
Get your order in now for
HANGING BASKETS
The Best—The Strongest—The Cheapest
Green Sheet Moss, $1.00 per Bundle
Sphagnum Moss, $1.00 per Bale
Please mention the Exchange when writing.

GROW MUSHROOMS
If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office
Special rates will be made to the trade who wish to supply their customers.
THE FLORISTS' EXCHANGE
2-8 Duane Street, New York.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES
C. C. Pollworth Co.
Milwaukee, Wis.
Please mention the Exchange when writing.

The McCallum Company
WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE
Headquarters of Western Pennsylvania Growers
937 Liberty Ave., PITTSBURGH, PA.
Please mention the Exchange when writing.

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS
457 Milwaukee St., MILWAUKEE, WIS.
'Phone, Main 874. P. O. Box 108.
Please mention the Exchange when writing.

A Geyser-Heated Greenhouse

In the Yellowstone Park Geyser Basin a small greenhouse stands over a geyser stream. A current of nearly boiling water constantly passes through it. Steam arises in profusion, moistening the plants, and the sun aids in the work, so that an extraordinary rapidity of growth is the result. Lettuce matures in two or three weeks, and other plants grow with proportionate rapidity. The climate of the locality is very severe, which makes more striking this example of the utilization of Nature's energy.—*Harper's Weekly.*

Boston

William Sim of Cliftondale did an immense Easter business. He shipped over 100,000 Sweet Peas and the prices obtained ran from $1 to $1.50 per 100. He also shipped 140,000 Violets at about $1.

Paine Bros. of Randolph, Mass., are shipping some excellent Sweet Peas with good, long, stout stems. Their Easter supply of bulbous material was very fine indeed, consisting principally of Roman Hyacinths, Paperwhite Narcissus, La Reine, Murillo, Van Goyen, Tournesol Scarlet, and Cramoise Brilliant Tulips, Daffodils and miscellaneous bulbs.

The Snapdragons from P. E. Richwagan of Needham are well grown with fine straight stout stems and superb heads of flowers, so are also his Winsor and Lawson Carnations, which are handled by Edward Rogean, the energetic salesman at 1 Park st. market.

Mann Bros. are among the largest growers of bulbs for the Boston market and they import direct from 17 Dutch and 6 French firms. They handle about 900,000 bulbs of all kinds in the season. They force about 225,000 Tulips, 225,000 Daffodils, 150,000 Paperwhite Narcissus, 75,000 Roman Hyacinths and the remainder in miscellaneous bulbs. They report very satisfactory business during the whole season and had a large cut for Easter which cleaned up quite satisfactorily.

George Butterworth of Framingham is handling this week at 1 Park st. some fine Tulips with long stout stems in the following varieties Rose Lusante, Keizerskroon, and Murillo. His Lily of the Valley is also of good quality. He reports poor sale for Dendrobium Wardianum for Easter.

Thomas Peglar of 1 Park st. market is handling this week Antirrhinums of good quality in distinct colors; they come from Sam Goddard of Framingham.

Peirce Bros. of Waltham grow an immense quantity of Lilies for Easter. Mr. Peirce reports that, with the favorable weather the week before Easter, every plant was in fine shipping condition, and they disposed of almost all of the immense stock they grew this year. Their shipping facilities are the best of any of the growers in this part of the country. They own three large auto wagons which will clear out almost any ordinary establishment in one day. Their largest machine will carry 500 Lilies in pots on one load and is able to deliver in Boston 2000 pots in one day. Their second size machine will carry 200 plants and the smallest machine 100 plants of Lilies. They shipped large quantities to Lowell, Lawrence, Haverhill, Lynn, and Brockton. The houses of Gladioli at Peirce Bros. are looking very well and we were surprised to see such large quantities grown here. The following named kinds are grown in large quantities: 20,000 America, 10,000 Augusta, 5,000 Brenchleyensis, 20,000 Shakespeare and 40,000 Blushing Bride for Decoration Day. Their houses of Stocks for Decoration Day are looking well at the present time. They have an immense large sash house filled with Asparagus Sprengeri which was very remunerative this Winter.

Mr. Archer, of the landscape department of Backhouse & Co., York, England, is visiting the Hub this week and is going to make a study of the landscape work that has been done in our parks and large private estates. There are many good examples of this art around our city for Mr. Archer's investigaiton and we wish him a pleasant time.

Leonard Cousins, Concord Junction, is installing two 80 horsepower boilers at his establishment.

W. C. Stickel of Lexington is about to build some very large greenhouses;

Our supply of **ROSES** is hard to beat for quality. Our growers are in with a heavy crop and a good portion of the cut is of the fancy and special grades. Our leaders are

PINK and WHITE KILLARNEY
MARYLAND RICHMOND

Good value at $8.00 and $10.00 per 100.

The grade of **CARNATIONS** we are shipping at $3.00 per 100, you will find extra good value.
500 or more $2.50 per 100.

Southern Daffodils $7.50 per 1000.

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA

Open from 7 A.M. to 8 P.M.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Mar. 29, 1910	Buffalo Mar. 29, 1910	NAMES AND VARIETIES	Phil'delphia Mar. 28, 1910	St. Louis Mar. 28, 1910	
to	30.00 to 40.00	Roses—A. Beauty, fancy—special	40.00 to 50.00	25.00 to 35.00	
to	to 25.00	" extra	30.00 to 40.00	15.00 to 20.00	
to	to 16.00	" No. 1	15.00 to 25.00	8.00 to 12.50	
to	2.00 to 5.00	" No. 2	6.00 to 10.00	4.00 to 6.00	
to	4.00 to 12.00	Killarney	3.00 to 10.00	5.00 to 8.00	
to	4.00 to 12.00	White Killarney	3.00 to 10.00	5.00 to 8.00	
4.00 to 10.00	4.00 to 10.00	My Maryland	3.00 to 12.00	4.00 to 6.00	
4.00 to 10.00	4.00 to 12.00	Richmond	5.00 to 15.00	6.00 to 8.00	
4.00 to 6.00	5.00 to 7.00	Perle	to	to	
4.00 to 8.00	to	Golden Gate	to	to	
to	4.00 to 6.00	K. A. Victoria	to	to	
to 8.00	8.00 to 10.00	Bride, Maid, fancy—special	8.00 to 10.00	6.00 to 8.00	
6.00 to 7.00	6.00 to 8.00	" extra	6.00 to 8.00	4.00 to 6.00	
to 6.00	4.00 to 5.00	" No. 1	4.00 to 6.00	to 3.00	
to 4.00	3.00 to 4.00	" No. 2	2.00 to 3.00	to	
to 1.00	1.00 to 1.50	Adiantum	1.00 to 1.50	to 1.50	
to	to	Antirrhinum (per bunch)	to	to	
25.00 to 50.00	to	Asparagus, Plumosus, bunches	to	to	
25.00 to 50.00	to	" Sprengeri, bunches	25.00 to 50.00	25.00 to 50.00	
to	to	Bouvardia	to	to	
8.00 to 10.00	8.00 to 12.00	Callas	6.00 to 10.00	10.00 to 12.50	
to	to	Chrysanthemums	to	to	
to 1.50	1.50 to 2.00	Carnations—Inferior grades, all colors	1.00 to 1.50	1.50 to 2.00	
2.00 to 2.50	1.50 to 2.00	Standard Varieties: White	1.50 to 2.00	1.50 to 2.00	
2.00 to 2.50	1.50 to 2.00	Pink	1.50 to 2.00	1.50 to 2.00	
2.00 to 2.50	1.50 to 2.00	Red	1.50 to 2.00	1.50 to 2.00	
2.00 to 2.50	to	Yellow and var	1.50 to 2.00	to	
to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Std'd vars.): White	2.00 to 3.00	3.00 to 4.00	
to 3.00	2.50 to 3.00	Pink	2.00 to 3.00	3.00 to 4.00	
to 3.00	2.50 to 3.00	Red	2.00 to 3.00	3.00 to 4.00	
to 3.00	2.50 to 3.00	Yellow and var	2.00 to 3.00	to	
2.00 to 3.00	2.00 to 3.00	Daffodils	.75 to 1.50	1.00 to 2.00	
to	1.00 to 2.00	Daisies	.75 to 1.50	to	
to	to	Ferns, hardy	to	to	
.50 to 1.00	2.50 to 3.00	Freesia	.75 to 1.50	to	
to	to .15	Galax, green and bronze	to .10	to	
to 2.00	6.00 to 7.00	Gardenias, per doz	1.50 to 2.00	to	
to	to	Lilac, per bunch	.75 to 1.00	to	
to 12.50	8.00 to 12.00	Lilies, Harrisii and Longi	6.00 to 8.00	12.50 to 15.00	
2.00 to 4.00	3.00 to 4.00	Lily of the Valley	1.50 to 3.00	3.00 to 4.00	
to 3.00	2.00 to 3.00	Mignonette	1.50 to 3.00	3.00 to 4.00	
2.00 to 3.00	2.00 to 3.00	Narcissus	.75 to 1.50	to	
to	50.00 to 80.00	Orchids—Cattleyas	40.00 to 60.00	to	
to	10.00 to 12.00	Cypripediums	to	to	
to	to	Dendrobium Formosum	to	to	
.50 to .60	to	Pansies, per doz. bunches	.50 to 1.00	to	
3.00 to 5.00	2.00 to 3.00	Roman Hyacinths	1.00 to 2.00	to	
to 2.50	to 1.50	Smilax, (per doz strings)	1.75 to 2.25	1.25 to 1.50	
to	.25 to .30	Stevia, per bunch	to	to	
.50 to 1.00	.50 to 1.00	Sweet Peas	.50 to 1.25	.20 to .50	
2.00 to 4.00	2.00 to 4.00	Tulips	.75 to 1.00	2.00 to 4.00	
.40 to .60	to	Violets, single	.30 to .60	to	
to	.50 to .75	" double	.30 to .60	to	
to	to		to	to	
to	to		to	to	
to	to		to	to	

AS the days lengthen and the cold gives place to the warm, balmy days of Spring, it is then that each and every one is thinking of the pleasure Nature has in store; flowers, green grass, trees budding—in fact, new life everywhere.

A longing to be closer to Nature seems to pervade the atmosphere, thus giving the florist who is willing to grasp his opportunities a chance to dispose of more flowers than at any other time of the year.

Prices, owing to larger supplies, are far more reasonable.

Below we quote some Specials:

GARDENIAS, per doz., special $3.00, fancy $2.50, first $2.00.
VALLEY, per 100, special $4.00, extra $3.00, No. 1, $2.00.
CARNATIONS, per 100, special $4.00, fancy $3.00, first $2.00.
CARNATIONS, our selection, in lots of 500 or more, good quality, $2.50 per 100.
SWEET PEAS, extra long, $1.00 per 100.
SWEET PEAS, long and medium, 50c., 75c. per 100.
DAISIES (white), $1.50 per 100.
DAISIES (yellow), $2.00 per 100.
MIGNONETTE, splendid spikes, $4.00 per 100.
CATTLEYAS, $7.50 per doz.
RICHMONDS and **JARDINES**, per 100, special $15.00, fancy $12.00, extra $10.00, first $8.00, second $5.00.
MARYLANDS, TWO KILLARNEYS, KAISERINS and **BRIDES**, special $15.00, fancy $12.00, extra $10.00, first $8.00, second $6.00.
ROSES, in lots of 200 or more, our selection, good quality, $3.00 per 100.

RIBBONS. Some of the choicest novelties, exclusive patterns, an endless variety to choose from.

SUPPLIES OF ALL KINDS. CATALOGUE ON REQUEST.

PM QUALITY

S. S. Pennock-Meehan Co.
The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St., Philadelphia, Pa. — **1212 New York Ave., Washington, D. C.**
Stores close at 6 P. M.

Please mention the Exchange when writing.

WE ARE NOW BOOKING ORDERS FOR

BEGONIA LORRAINE
BEGONIA LORRAINE LONSDALE
BEGONIA AGATHA

JUNE DELIVERY

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be **twice shifted.** Orders filled in rotation. 2½-in. pots, $15.00 per 100, $140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

Headquarters in Western New York

For Roses, Carnations,

Add all kinds of Seasonable Flowers

WM. F. KASTING CO.
Wholesale Commission Florists

Dealers in Florists' Supplies and Wire designs
383-87 Ellicott St., BUFFALO, N.Y.
Give us a trial—We can please you

Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: "Saw your advt. in F. E."

EDWARD REID
Wholesale Florist
Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias
All other seasonable flowers
1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
2 Duane Street NEW YORK

the material is all on the ground ready to start at any time.

We saw at 1 Park st. market some very superior Roses from J. A. Budlong & Son; those worthy of special mention were Killarney, pink and white, and Richmond.

At 2 Park st. market were some very good Bay State Carnations which came from Albert Roper, Tewksbury. Mr. Roper seems to have the knack of growing this variety. It has been a rather shy bloomer with most people.

F. L. Hardy of Natick is shipping to 2 Park st. market some creditable Snapdragons in various colors.

Gardenias of good quality are shipped to the market at 2 Park st. by John MacFarland of North Easton. He grows Lily of the Valley the year round and his stock of this commodity is of superior grade.

Plant growers report a large business for Easter and almost everything in the way of plants in pots has been thoroughly cleaned out at remunerative prices; in fact, in some cases, there was a shortage. Lilies averaged poor this year. Plants sold well and the heavy demand for these helped to cripple the cut market on Saturday. Flowers were too plentiful, if anything, and by Saturday the markets were overstocked.

The retailers report a very satisfactory business for Easter, away ahead of last year.

The wholesale houses report very good Easter business; some of them claim it was as good as ever they had done at any previous Easter.

The growers report a satisfactory Easter trade. The plant growers are especially enthusiastic over the great business they have done. There never was more satisfactory weather for shipping their goods and, no doubt, this helped to increase their sales.

The cut flower men had abundance of material and of good quality. Early in the week all cut flowers were well cleaned up, but on Saturday there was quite a little surplus, more especially in bulbous stock and this is not to be wondered at when many of the flowers offered are in bloom out of doors in sheltered places. March has been so mild that such stock as Narcissus, Tulips and Hyacinths came so quickly and unexpectedly that they overstocked the markets. Then there are always some who hold on to the last minute, thinking prices will advance; however, it was the reverse this year, the slump came on the last day. Customers seem to be pleased also; they got more flowers for their money and better quality than usual at this season. One large wholesaler told me he had never

Long Distance Phone, Central 8004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

Please mention the Exchange when writing.

HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

51 Wabash Ave.

Please mention the Exchange when writing.

Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

Please mention the Exchange when writing.

E. G. HILL CO.

Wholesale Florists

RICHMOND, INDIANA

Please mention the Exchange when writing.

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Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

Please mention the Exchange when writing.

ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, March 29, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty			
36-inch stems..per doz.	3.00	to	5.00
30-inch stems.. "	....	to	3.00
24-inch stems.. "	2.00	to	3.00
20-inch stems.. "	....	to	2.00
18-inch stems.. "	....	to	1.50
12-inch stems.. "	....	to	1.25
8-in. stems and shorts "	....	to	1.00
Killarney	6.00	to	8.00
" extra	....	to	10.00
White Killarney	....	to	10.00
Richmond	6.00	to	10.00
My Maryland	5.00	to	8.00
Bride, Maid, fancy special	6.00	to	8.00
" extra	4.00	to	6.00
" No. 1	....	to	3.00
" No. 2	....	to	2.00
Perle	2.00	to	4.00
Chatenay	3.00	to	6.00
Kaiserin	5.00	to	7.00
Uncle John	....	to	6.00
Mrs. Marshall Field	....	to	6.00
Adiantum	....	to	1.00
Asparagus, bunch	.35	to	.75
" Sprengeri	.35	to	.75
Calla Lily	....	to	10.00
Chrysanthemums doz.	....	to	....
" fancy doz.	....	to	...
Daisies	1.00	to	1.50
Daffodils	1.00	to	3.00
.....	....	to	....

CARNATIONS			
Standard Varieties: White	1.50	to	2.00
Standard Varieties: Pink	1.50	to	2.00
Standard Varieties: Red	1.50	to	2.00
Standard Varieties: Yel. and Var.	....	to	..
*Fancy (The highest grades of Sta'd varieties): White	2.00	to	3.00
*Fancy: Pink	2.00	to	3.00
*Fancy: Red	2.00	to	3.00
*Fancy: Yel. and Var.	....	to	....
Ferns, hardy, per 1000	....	to	2.50
Freesia	....	to	3.00
Galax (green)	....	to	1.00
" (bronze)	....	to	1.25
Gardenias	25.00	to	35.00
Hyacinths	....	to	3.00
Iris	....	to	4.00
Lilac	....	to	3.00
Lilies, Harrisii and Longi.	10.00	to	12.00
Lily of the Valley	3.00	to	4.00
Mexican Ivy	....	to	1.00
Mignonette	3.00	to	5.00
Narcissus—Paper White	....	to	3.00
Orchids—Cattleyas	40.00	to	50.00
" Cypripediums	15.00	to	20.00
Pansies	....	to	.75
Smilax	12.00	to	15.00
Sweet Peas	.50	to	1.00
Tulips	....	to	.40
Violets, single	3.00	to	4.00
" double	....	to	.40
.....	.40	to	.60
.....	....	to	....

A. L. RANDALL CO.

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VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

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seen as many flowers before at Easter, and that we won't have any more or probably as many for Decoration Day.

A. H. Hews Co., North Cambridge, reports a good demand for pots; they are very busy and they expect large calls later in the Spring. E. L. Pierce of this firm, who went South for his health early in the Winter, is much improved and is expected to return April 6. He spent most of the Winter at St. Petersburg, Fla., taking a trip to Panama and staying there for a short time.

The Henry M. Robinson Co. has found it necessary owing to increased business to lease another large store at 15 Chapman place, in the Perry Whitman Building, which is close to their present location at 15 Province st. This additional room will help them to give their numerous patrons better service and also to carry a larger supply of goods. They report extra good Easter business in all the material they handle.

Fred. C. Becker of Cambridge st., Cambride, does a wholesale and retail business and is located very conveniently to Harvard University, obtaining a good deal of retail trade from that source. He is quite a large grower of bulbous stock and handles during the season 250,000 Tulips, 250,000 Paperwhite Narcissus, 75,000 Daffodils, 7000 Azaleas and a large assortment of other plants such as Lorraine Begonias, Genistas and Cyclamens. All his Easter stock was practically cleaned out.

We noticed at the market some nice Hydrangeas grown and shipped there by H. Hansen of Malden, Mass.

Welch Bros. report an exceptional large Easter business and they handled immense quantities of good quality flowers. They did a satisfactory plant business, shipping largely to customers outside Boston and the State. All green goods sold in large quantities and, taken right through, this was their most satisfactory Easter in many years.

A. Leuthy & Co. report that they have had an extra good business in their pot plant trade. They handle high grade plants and were sold out early in the week.

Although Thomas Roland handles an immense quantity of the highest grades of Easter plants his business was so good that his houses are practically empty of all Easter stock. He is quite a distance from the city and in cold weather it takes much care to get plants to customers in the city. They were handled more quickly and with less trouble this year owing to the mild weather we are enjoying.

Wm. W. Edgar Co. of Waverly say they got rid of all their big stock of Easter plants. Their Lilies were of good quality and brought them remunerative prices; this has been one of their best Easters for plant trade in a number of years. R. C.

Chicago

The Easter Business

An ideal Easter Sunday was experienced, and after a most strenuous week in holiday preparations business has settled down to a marked degree of quietude, which for a few days will be its condition. It is stated that never before has Easter work been so hard as this season, and everyone is tired out. While the volume of business was greater, and many more shipping orders had to be taken care of, stock arrived in such quantity that to prevent a slump prices went down early on Saturday morning. Lilies were the only commodity of strength. Roses, with the exception of American Beauty and Richmond, fell about 50% lower than the quoted prices for Easter stock. The fine weather, was a boon to the growers and florists who had plants to deliver, as no wrapping was required in any form for protection. The cut flower business was the greatest in volume that was ever handled in this market, and if prices had held up the receipts would have far exceeded those of former years. With the sales greater and prices lower the results about evened up. The stock handled never was better, and the growers should feel extremely thankful over the Easter returns.

Nearly all the shipments of Violets were unsalable; they arrived in such a heated condition that it was impossible to dispose of them at any price. Many dealers have thousands of bunches on hand that are positively worthless.

Potted Lilies were not nearly equal to the demand; scores of orders could not be filled. Such as were obtainable were not up to the standard of Easter Lily plants. The cut Lilies were all consumed, and Saturday kept many rushing around to try and locate places where more could be purchased. The majority of the blooms were good, though of short stem, but even the poorer grades moved rapidly.

News has been received that O. P. Bassett, of the firm of Bassett & Washburn has again launched out into matrimony, having been married at Santa Barbara, Cal., on Feb. 21, to Mrs. Imogene Dickerson, widow of the late Charles Dickerson, a well-known hat dealer of Detroit, Mich.

The annual flower show for the benefit of the Home for Destitute Crippled Children was held Saturday, March 26, at the Virginia Hotel. The flowers on sale constituted the chief decorative effect, and were tastefully arranged to tempt prospective purchasers. The total profit realized was $825.

The Chicago Culture Club held a "flower cotillion" on the evening of March 30, at the West Side Masonic Temple.

Mrs. Alice Hastings, mother of Mrs. E. A. Kanst, whose serious illness was announced in our last issue, died, March 24, at Minneapolis. Mrs. Hastings will be sincerely missed by a large circle of friends, both in Chicago and at her home.

A mortgage was foreclosed on the firm of Willard B. Smith & Co. of Kankakee, Ill.; the greenhouses, boilers and building were sold at auction to the highest bidder on March 28.

W. H. Pilcher, the Violet grower of St. Louis, Mo., spent several days in Chicago recently, and visited all the Violet growers of Park Ridge and vicinity.

The A. L. Randall Co. sold out completely in many lines of their supply department. Carl Thomas' smiling countenance will be missed from the force, as this week he leaves for his farm in Pennsylvania, to spend the Summer. T. E. Waters says that his own "perfection pot cover" was a boomer.

On Saturday evening, as early as 7 o'clock, Fleischman's were compelled to close their store, as they were completely cleaned out of all stock.

The Leonard Seed Co. says that owing to the onrush of extremely early Spring business, it is impossible to keep cleaned up with orders.

The W. W. Barnard Co. is also unusually busy this season, both at the Kinzie st. and Fifth ave. stores. Mr. Stewart of the latter store says that the seed trade was so pressing that it was impossible to take care of the usual stock of Easter plants they handle.

Miss H. Tonner of the Flower Growers' market has some excellent stock of Spanish Iris, which came in good time for Easter. She also had some magnificent Snapdragons.

Frank Beu says that the plant trade this Easter was great, only he had not nearly enough pot Lilies to meet the demand; this fact, however, helped the sale of all bulbous stock.

The young son of Mr. and Mrs. Jos. Brooks of Morton Grove, Ill., who was taken to the hospital some three weeks ago, suffering from a cut on his knee, was in a very serious condition last week, his life being despaired of. On Saturday, however, a change for the better took place, and at this writing his parents feel very much encouraged.

The demand for Sweet Peas was unusually strong for Easter. The J. B. Deamud Co. state that they could easily have disposed of 75,000 on Sunday morning if they were to be had.

Hoerber Brothers are greatly pleased with their first Easter in the florist business. This firm has not as yet started the construction of their new houses, although the contractor is empowered to commence at any time.

The executive committee of the Chicago Horticultural Society met on Thursday evening last at the Union Restaurant. The main topic under discussion was the date and place for the Fall exhibition. The question is still open.

Ernst Wienhoeber Co. had the decoration for the reception of the Princeton University at the home of Mrs. Silas McCormick on Monday. This was a most elaborate decoration and was carried out as nearly as possible in the college colors. About 6000 bulbous flowers, yellow varieties, were utilized, with Smilax, Ferns and Palms. Banks of yellow flowers were placed in every conceivable place. The staircase was covered with wild Smilax, enlivened with Daffodils and Snapdragons. A letter "P" of immense size, of Daffodils, was suspended in the hall.

Ed. Enders says Samuelson's Easter business was on a clean-up basis, everything with the exception of 25 plants being cleaned up. The reasonable price of stock appealed to the public.

The staff of Vaughan's Seed Store is exceedingly busy in filling their nursery stock orders, as the season is advancing so rapidly and the foliage so far advanced for this time of year, that nursery people may lose on their stock unless they hill in to stop further growth.

C. L. Washburn of Bassett & Washburn says that his receipts for Easter trade were about equal to those of last year, although the business was greater.

It seems almost impossible when it is stated that Violets are in bloom outdoors at Hinsdale, but Mr. Washburn says such is a fact, as the children spent hours picking wood Violets on Easter Sunday.

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THE ROSE.—H. B. Ellwanger. Price $1.25.

FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $3.40. Reviewed Feb. 19, 1910.

SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.

PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 27, 1909.

PLANT CULTURE.—George W. Oliver. Price $1.50; $1.00 to subscribers in good standing. Prospectus.

VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.50. Prospectus.

THE AMERICAN CARNATION.—C. W. Ward. Price $3.50. Prospectus.

SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 50c. Prospectus.

THE CHRYSANTHEMUM.—A. Herrington. Price 50c.

The review notices or prospectuses of the books mentioned will be mailed to any subscriber on application.

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The Florists' Exchange No. 2 Duane St. New York

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F. E.—Best Advertising Medium

Poehlmann Bros. Co.'s stock was all disposed of and business was said to exceed that of last Easter. Never were better quality Sweet Peas seen than are being received by this house from the greenhouses. John Poehlmann says that business since Christmas has been better than last year.

Peter Reinberg cleaned up nicely, as their booked shipping orders left very little stock to be disposed of.

Winterson's Seed Store is kept busy handling the heavy orders for hardy stock and Roses. Three carloads received two weeks ago opened up in fine shape and the stock is moving off rapidly.

A letter from Mrs. Romaine, daughter of the late John Thorpe, who is en route for California, says that she stopped over at Alhuquerque, New Mexico, and visited Mr. and Mrs. Byron H. Ives, the leading florists of that town. Everything was found in a most flourishing and promising condition. American Beauty Roses are growing with stems 8 and 10 ft. long. Iris, Lilies, Carnations and many other varieties of flowers were in bloom. Mr. Ives says that New Mexico is a great country for flowers; all one has to do is to cultivate the land and plant crops, they grow without further effort.

The regular meeting of the Chicago Florists' Club takes place next Thursday evening, April 7, at the Union Restaurant.

Owing to Easter week, the Bowling Club had to postpone its bowling. As the bowling season ends the middle of April, and as there are three postponed games to play the members will have to arrange two games in the next three weeks to get in the number of games scheduled.

Visitor: John E. Lapes, Cedar Rapids, Ia.

Cincinnati

Easter business compared favorably with that of last year. The Roses which arrived were wide open in a great many cases, owing to the very warm weather; it was simply impossible to hold them, consequently the prices dropped considerably on them. Carnations held up well. Bulbous stock was cleaned up in very good shape. The growers in the flower market sold out clean, consequently Easter business in Cincinnati was very satisfactory. The only scarce articles were Lilies and American Beauty Roses; more could have been sold of both if we could have procured them. Out-of-door Daffodils were received by the produce commission men by the barrel, and handed out for a nickel a bunch or any price they could get in order to sell them. This had a bad effect on the yellow Narcissus, but with all that everybody cleaned up fairly well; $2 to $3 per 100 were the best prices we could obtain for the yellow. The retailers all report a very satisfactory business. E. G. GILLETT.

Kalamazoo, Mich.

According to the reports of the local press, the business during the Easter week among the florists has been stupendous and the amount of church decorations far in excess of anything in former years. Certainly, the weather from the shopper's point of view was remarkably fine, every day during the week being bright, warm, sunshiny Summer weather. From the florist's point of view, however, it was rather too warm, and the hot sun was too much for the best development of size and color in all lines, but more especially in Sweet Peas and Violets, which felt the heat considerably. Nevertheless, it is safe to say business was very good all along and a big increase over previous years.

Shipping trade held up good right through the week and the trade in pot plants was brisk. Lilies, of course, were in the lead and were of excellent quality, as were Azaleas and bulb stock. I did not remark any particular departure from previous years, most retailers being content to display the old-time favorites, which indeed made as effective an exhibit as one would wish to see.

Deliveries were made easy on account of the mild weather and, as usual, a large amount of work had to be done in the last two days before Easter.

The Central Nursery Co. had an extra store for Easter and showed a nice line at popular prices.

The suburban growers also had about as much as they could handle in attending to their customers' wants. It appeared that cut flowers and plants both had their admirers and they continued about evenly balanced in selling qualities. Altogether a good and satisfactory business was enjoyed by all. S. B.

All the Clay for our **Florists' Red Pots**

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.

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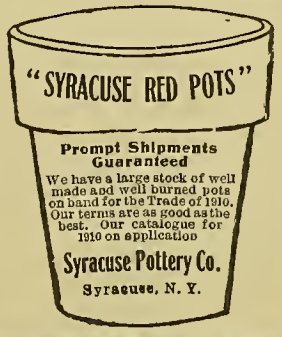

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1500 2 in. pots in crate,	$4.25	120 7 in. pots in crate,	$4.20
1500 2½ " "	5.25	60 8 " "	5.00
1500 2½ " "	6.00		
1000 3 " "	5.00	HAND MADE	
300 3½ " "	5.50	48 8 in. pots in crate,	$6.40
500 4 " "	4.50	48 10 " "	4.80
456 4½ " "	5.24	24 11 " "	5.60
320 5 " "	4.51	24 12 " "	4.80
210 5½ " "	5.78	12 14 " "	4.60
144 6 " "	6.16	6 16 " "	4.50

Seed pans, same price as pots. Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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August Rolker & Sons, Agts., 51 Barclay St., N.Y. City

Red Standard Pots

We have these in stock from 1 inch to 18 inches. What are your needs for the coming Spring? Let us know them and give us an opportunity to quote you. Our goods are equal to the best; to prove it send us a trial order; small as it may be, it will be appreciated. Try us.

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Worcester, Mass.

The Boston Herald of March 24 stated that "Easter Lilies will be very scarce on account of the early season, etc." One prominent florist is credited with saying: "The scarcity was due to the inferior quality of bulbs he was getting from Bermuda. Japan bulbs were also in the same condition, and those from Holland were not plentiful." To verify this statement and compare prices with those of Worcester florists, I visited the leading stores in Boston on the above date, and found things somewhat different from what was stated. Our Worcester prices were about the same, save in a few cases where there was a cut in price.

Worcester has never seen such an Easter trade. Weather conditions were perfect, flowers very plentiful and on the whole, of good quality. Prices were as usual. Lilies were 25c. per bud or bloom, until the latter part of the week when some dropped to 20c.; culls of course sold lower. Carnations varied a little in price, but averaged about 75c. per doz. Roses ran from $1 to $3 per doz. Azaleas brought a fair price, $2.50 buying one exceptionally fine.

Some of the smaller growers sold their stock through grocery stores, but this seemed to make no difference with the larger dealers.

C. D. Mackie has a constantly increasing trade, and his store, although smaller than some of the others, had an immense trade. Customers were pleased to have Miss Leonard back again among them.

H. F. A. Lange had the usual rush and increase of help.

H. F. Littlefield was evidently the largest dealer of the week. In addition to his two regular stores he was forced to open up a third store near the center to display his Lilies. In one of his stores, under the management of Harry Randall, there was the handsomest Easter window display ever seen in Worcester. In his delivery Mr. Littlefield used two touring cars and three covered autos. As he is agent for these it served a two-fold purpose.

All the stores report "sold out."

CAROLUS.

New Bedford, Mass.

Easter, 1910, was a hummer: everyone was about cleaned out of stock. Lilies were rather scarce and sold about as well as any other plant. Plant trade was fine with good prices. There was a good demand for Daffodils and Tulips in pots. Azaleas also sold well. The cut flower trade was good, with Roses, Carnations, Violets, Sweet Peas, Tulips, Daffodils, Paperwhite Narcissus and Snapdragon to select from. Prices realized were very good: Roses, from $2 up per doz. Carnations, 75c. to $1 per doz. Violets were scarce, $1.50 per 100 being the general price. Bulb stock sold well at 50c. and 60c. per doz., retail. The uptown retailers are of the opinion that this Easter was ahead of last year. The weather for delivery was ideal, warm with just a little too much wind blowing.

E. H. Chamberlain was all cleaned out of stock. R. H. Woodhouse had some elegant bulb stock, which went quickly. Wm. P. Peirce had a grand display of plants and flowers and a great many of those large Violets, but not near enough to go around. Wm. H. Davenport had a big display. Right next to Mr. Davenport, one of our big department stores was selling Lilies at 17c. each flower and Azaleas from 50c. up, but this did not seem to hurt William any.

J. H. Cleary on Pleasant st. was just as busy, his handsome delivery wagon being kept on the go. Nofftz on William st. lived up to his reputation and made a grand display.

All seem to be satisfied with this year's Easter business.

Funeral work came in with a rush at Easter, too. Most of the business was over by Sunday noon, though a few stragglers came in once in a while.

The next thing is to get ready for Memorial Day; stocks are looking fairly well; the weather is warm and Springlike; garden work is in full swing. Most of the florists have planted their outdoor Sweet Pea seeds; Geranium stock is looking good.

HORTICO.

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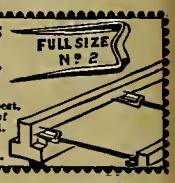

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GLASS

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Newport, R. I.

The fine weather of the past two weeks has started up things in general and the seedsmen have now all that they can do to keep up with their orders. And the nurserymen are now on the jump, also, but are badly handicapped by the shortage of competent help; good men were never so scarce here as they are today.

The condition of Henry M. Wilson, whose illness we reported three weeks ago, is still precarious. His nursery is not large but one of the best managed in the State; his ambition has always been to produce the finest specimens possible to meet the demands of a critical retail trade, and in this he has succeeded. His love for his specimens is such that often after making a sale he grieved to part with them. We wish for him a speedy recovery.

For Easter the florists, as usual, had a lot of decoration to do in the churches which called principally for Palms as the greenery with Lilies in flower, and the latter, according to a beautiful custom established a few years ago, are as a rule afterward donated to the sick and "shut-ins" of the parish. To the children of the Sunday schools are given Geraniums or other small pot plants in bloom. The weather was glorious and greatly facilitated the delivery of greenhouse products.

In his preparation for Easter C. Oscar Schultz had on hand almost double the amount of stock grown one year ago. Besides a large number of Lilies of his own growing, which came in just right, he disposed of a large number bought in. Mr. Schultz had the misfortune to lose a valuable horse by distemper on Easter eve.

Gibson Bros. grew their own stock and had it so well timed that, with the exception of a few items, their customers were supplied with stock from their own greenhouses. ALEX. MACLELLAN.

Syracuse, N. Y.

In previous notes I mentioned the fact that the florists here were making extra efforts to meet what they anticipated would be a record-breaking Easter trade. Weather conditions being favorable, never before in my thirty years residence here have I seen such a wealth of flowers displayed at Easter.

P. R. Quinlan's store and conservatory on Salina st. has been treated to a fresh coat of paint, and the whole place was filled with a wealth of bloom that made a glorious sight. The Azaleas were a very fine lot, some magnificent plants being among them. Roses, hybrids, Baby Ramblers, were remarkably good and well flowered. The bulb stock was very good, Lilies especially so. A large block of Hydrangeas were a well finished lot. I noted some very neatly arranged baskets that sold well. The Warren st. store was also very tastefully arranged.

Burt's store and annex were well decorated. At the latter the window display was one of the finest ever seen here. The bulb stock was particularly good. There was a large stock of Azaleas, Roses, Daisies, Lilies, Hydrangeas, Pansies, etc.

H. Morris' and M. S. Hinckle's stores were filled to overflowering with seasonable stock.

At the greenhouses, W. Meneilly & Son had a very large stock of Azaleas, hybrid and Baby Rambler Roses, well finished stock. Their strain of Primula obconica is very fine, far ahead of the ordinary variety one sees. They had an immense stock of well-grown bulbous flowers.

G. Bartholme's stock was fine, clean and healthy. The Carnations were particularly fine. Much sympathy is felt for Mr. Bartholme owing to the serious illness of his eldest daughter, who has had charge of the making up, and in which she has most excellent taste.

Sillman Bros.' place on Roberts ave. is kept in nice order, and everything looks good. They had a splendid crop of Carnations for Easter, the flowers remarkably fine. Sweet Peas, too, are well grown here. They are very much encouraged with their growing trade.

Bannister Bros., whose specialty is Boston and small Ferns, have an immense stock of splendid plants, in the pink of condition. They had a very complete stock of Easter goods and sold out.

John Meneilly has a compact little place at 123 Chester st. He is a very good "chip off the old block," as his stock testified. The bulbous stock was all exceptionally well grown. He had a large stock of Genistas and Baby Rambler Roses which sold well. He contemplates enlarging and improving the place this Summer. H. Y.

The Man Who Puts up a Range that Shows Quality in Every Detail Almost Invariably Equips it with the *Kroeschell Boiler* NOT CAST-IRON

The Kroeschell Boiler

Was installed to Heat Over 9,000,000 Square Feet of Glass During the Past Four Years. : : : :

The Kroeschell Boiler

Replaced Over 1,500 Cast Iron Boilers in the Short period of Six Years. : :

Expressions of the Men who Know:

Kroeschell Boilers Are Not Over-Rated

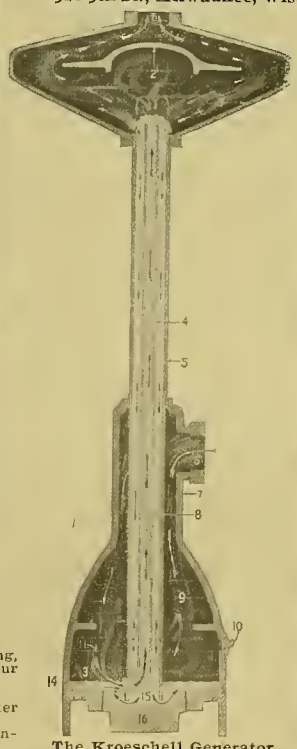
Our heating system works to perfection. To our surprise the new No. 8 boiler mastered the whole plant, consisting of five houses 20x150. We only deemed it necessary to start our second boiler when the temperature went down to 8 degrees below zero.

We had expected to use both boilers in cold weather, but the one boiler did such excellent work that we did not run the two boilers until December 5th when the very cold weather set in.

It was a very easy matter to keep the temperature up in the very coldest weather and stormiest nights.

The five houses have 20,500 square feet of glass, the No. 8 boiler is rated at 16,500 square feet of glass

MUELLER & SCHROEDER CO.,
926 9th St., Milwaukee, Wis.



The Kroeschell Generator

THE KROESCHELL PIPING SYSTEM

Circulation is perfect.

Cheaper and better than 1, 1¼, 1½ or 2-inch threaded pipe.

Overcomes all the disadvantages of 4-inch cast-iron pipe.

No deep boiler pits required.

THE KROESCHELL GENERATOR

Cures sluggish circulation.
Water travels three to five times faster.
Saves fuel.
Prevents boiling over.
Water can be heated to 240 degrees without boiling, making it possible to have steam temperatures in your piping if wanted.
Greatly improves systems having long mains and coils.
Can be connected to any hot water system, no matter what kind of boiler or piping is used.
Easy to install—simply attach to your present expansion pipe.

The No. 6 boiler we purchased from you last year (rated at 13,500 square feet glass) is taking care of 18,000 square feet and we think it will heat 5,000 square feet more.

Have no trouble to keep up temperatures in coldest weather. In zero weather we fired at 9:30 p. m. and left until 6:00 a. m. and everything was O. K.

The boiler has given entire satisfaction. Your boiler is far superior to any we have used, and we are sorry we didn't take out the three smaller boilers sooner and put in the Kroeschell No. 6.

ADAM LAUB & SON.
Hughsonville, New York.

Your No. 2 boiler is taking care of about 3000 square feet glass; it will certainly take care of 7500 square feet.

We had positively no trouble to keep up temperatures of 50 degrees and 60 degrees in coldest weather. On very cold nights I can leave the fire from 10:00 p. m. to 8:00 a. m.

The boiler has given entire satisfaction. I have personally attended to four other makes of boilers, but none can I recommend as I can yours.

I have found your boiler to be first class in every respect and beyond expectations, so you can consider me one of your satisfied customers. After following your heating plans which I installed myself, with the aid of said plans I filled the whole system, started a wood fire and from the time I built the fire until hot water was circulated all around was 20 minutes; it certainly worked fine and so continues. EDWARD STEELE.
Philadelphia, Pa.

The No. 7 Kroeschell Boiler is heating 10,000 square feet of glass; it would take care of 20,000.

We had no trouble whatever in keeping a temperature of 50 to 55 degrees in our Carnation houses and 60 degrees in our Rose houses in the coldest weather

The Boiler has given excellent satisfaction—it is simply wonderful. We had a steam boiler previous to this, but your improved system has it beat to death in every way.

Your system of piping together with your improved Generator system has steam skinned to death in so many ways. We were on the market to buy high pressure steam but after receiving such reports of your improved hot water system, we concluded that your experience was worth something, and have been delighted at the results, and so glad we took your advice and put in h t water, instead of steam. W. J. MILLER & SON.
Pontiac, Illinois.

The No. 4 boiler we purchased of you in 1909 has given the very best satisfaction—would wish no better

Have taken out return tubular boiler this Fall, which used one-half more coal than your present boiler. Your boiler is so easy to regulate that in a few minutes I can run up the temperature by opening drafts.

The flow and return connections with Generator, all work the very best, according to your plans.

We cannot give your boiler enough praise; so far as I have given it a test, my old boiler would not be in it comparing to how much more attention the old one took. FRANK A. WAGNER.
Tiffin, Ohio.

KROESCHELL BROS. CO., 468 W. Erie Street, CHICAGO

A Little House at Tuxedo, N. Y.

A little gem it is, just fitting in a certain space in the garden.
The gardener wanted it a 3/4 span, Hitchings Iron Rafter house, and he got what he wanted.
It is, as you see, an exceptionally light attractive house, as are all those of our Iron Rafter Construction.
Are you thinking of building? Then send this very day for our circular.

Hitchings & Company
New York—1170 Broadway Elizabeth, N. J.

Please mention the Exchange when writing.

GLASS

We are leaders in GREENHOUSE GLASS

Always have large stock. Always have interesting prices.
Let us quote you before placing order.

SHARP, PARTRIDGE & CO.

2263-2269 Lumber Street, CHICAGO, ILL.
LONG DISTANCE PHONE, CANAL, 880.

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Estimates Cheerfully Furnished

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Get Our Prices and Catalogue

Established 1871 1365-1379 Flushing Ave.

BROOKLYN, N. Y.

Clear Gulf Cypress
GREENHOUSE
MATERIAL
Cut and Spliced Ready for Erection
Pecky Cypress for Benches
We Carry 1,500,000 ft. of Louisiana Cypress in Stock

GREENHOUSE
20,000 Bxs. In Stock GLASS At Wholesale
LATEST UP-TO-DATE
Twin-Section Boilers
Pipe, Fittings, Valves
BRACE and SPLIT FITTINGS
WE INVITE COMPARISON

Everything for Erection
We carry the largest stock of
HOT-BED SASH
In the United States

Our New
VENT APPARATUS
Will Lift Easy 100 Feet

DOUBLE LIGHT
HOT-BED SASH
Requires No Covers

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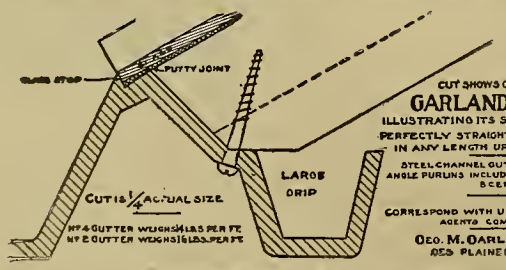

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TILE DRAINED LAND IS MORE PRODUCTIVE Earliest and easiest worked. Carries off surplus water; admits air to the soil. Increases the value. Acres of swampy land reclaimed and made fertile. Jackson's Round Drain Tile meets every requirement. We also make Sewer Pipe, Red and Fire Brick, Chimney Tops, Encaustic Side Walk Tile, etc. Write for what you want and prices. JOHN H. JACKSON, 50 Third Ave., Albany, N.Y.

ROUND TILE

New Orleans

Gorgeous indeed are the 1910 Easter displays in the florists' establishments, and the owner of the well-filled purse can satisfy his taste to his heart's content.

Chas. Eble's window was an artistic arrangement of Easter Lilies, Hyacinths, Spiræas and doves.

At Virgin's there were well flowered Rhododendrons, Hydrangeas, Spiræas, Azaleas, and Lily of the Valley, the forcing of which Virgin's grower, R. Eichling, is an expert.

James A. Newsham had a fine showing of Azaleas, miniature Hyacinths, Lilies and Spiræas. Of course, this establishment would not be considered complete without some Orchids in bloom.

At the Metairie Ridge Nursery Co's place were to be seen fine Azaleas, Bougainvilleas, Hydrangeas, and well flowered Wistaria in pots, both white and blue. The writer saw in the Metairie greenhouses the pink—Queen Alexandra—Marguerite; this is the daintiest thing imaginable in the Daisy line, a pretty blush pink, which opens up visions of wonderful possibilities in the hands of the European hybridist.

C. W. Eichling's special offer for Easter was half standard Baby Rambler Roses, both red and white, and the two colors on one plant together, with a good assortment of seasonable stock.

Frank Faessel on Magazine st. has a very nice display.

Peter Chopin, on Magazine and Eighth sts., has a very tempting assortment.

Frank Rieth has, as usual, his seasonable display.

Home-grown Lilies were rather backward, and those being shipped in were many of them the shortest stemmed Lilies seen in many a year. CRESCENT CITY.

Washington, D.C.

Very bright weather, with temperature ranging near the 70's preceded Easter and had some effect on the home grown stock, otherwise the season was not unlike others of its kind. The warm weather told on all stock on exhibition and rendered the market almost destitute of Violets; those seen were far below the average. Prices on cut flowers and plants were similar to former years. The chief demand was for good small plants ranging at from 50c. to 75c. and for mixed cut flowers.

Outside Jonquils were rushed in from all nearby points, and during the early morning about the market a glut seemed inevitable, but soon signs went up offering two dozen for 25c., and by 5 p.m. they were pretty well cleaned up, irrespective of condition and short stems. Trade grown Jonquils were also abundant, and probably led as the best selling cut flower; these brought 25c. per dozen throughout.

Easter Lilies were not over abundant and, while the supply offered was somewhat above the average of a year ago in length of stem, and many were sold, the tendency is gradually increasing toward other pot plants as mentioned; from 20c. to 25c. per flower was asked by the retailer for pot Lilies while cut ones moved at about $1.50 per doz.

The preponderance of sales on this class of stock was for church decorations. From four to six-inch pot plants of Asparagus, the various Ferns and the smaller Palms sold better than usual. The better class of trade bought more liberally than customary of pink Azaleas, Lilacs and Rhododendrons. There was a noticeable scarcity of Bougainvilleas this season, and the number of Spiræas was above the average. Many large pans of America Beauty Roses, with small Ferns beneath, were offered, but the number of Ramblers was comparatively small. Sweet Peas were just at a point where those from the inside had been shortened in crop and quality by the unseasonable heat, and the outside ones are not yet in. Hyacinths were somewhat scarce, and Tulips, while not in the usual profusion, moved very well. Fruit trees, which usually contribute largely to the Easter decorations, were not yet open enough to serve this purpose.

Gude Bros. & Co. took three first prizes at the recent exhibition in New York on their home grown American Beauty, Wellesley and collection of Teas and Hybrid Teas; also three second prizes on other home grown Roses. It is understood that this firm intends to try and ship some of their Roses to Holland for exhibition in competition with others. They had a fine assortment of specimen plants for Easter, and in their window exhibited a large cross of crumpled satin, decorated with spray Orchids and lavender Rhododendrons, trimmed with ribbon of this shade.

J. H. Small had a unique window decoration of a large Immortelle Easter egg with crushed side, formed of yellow Immortelles and overhung with white Lilac, Snapdragon and Forsythia; beneath these were small rabbits with bows of ribbon. JAS. L. CARBERY.

CONCORD JUNCTION, MASS.—Pansies will soon take up the attention of the force at the establishment of Leonard Cousins, Jr. They wintered better than ever this season. Advance orders now in indicate a larger demand for his "Superb" strain than in any previous year. Geraniums are grown in quantity and shipped to florists everywhere. A general line of other bedding plants, such as Vincas, Heliotropes, Salvias, etc., is grown. They will be in fine shape when needed.

F. E.—Best Advertising Medium

Tubular Boilers

Steam and Water

The Most Economical and Efficient Boiler for Greenhouse Heating

CENTRALIZE YOUR HEATING PLANT

The economy in heating large rangee of glass from a central plant is so great that the first cost is repaid in a few years.

Following are a few plants which we designed and installed:

THOMAS YOUNG, JR.
BOUND BROOK, N. J.

150,000 sq. ft. glass heated by steam from a central plant; the exhaust from pumps is passed through a condenser which heats 2-150 foot propagating houses with hot water.

F. R. PIERSON CO.
SCARBOROUGH-ON-HUDSON, N. Y.

150,000 sq. ft. glass heated by steam from a central plant; the steam is passed through condensers and the hot water is forced through the houses with circulators.

JOHN N. MAY
SUMMIT, N. J.

75,000 sq. ft. glass heated by steam from a central plant.

Estimates and Full Information Furnished Without Charge

JOHNSTON HEATING CO.
138 East 31st St., New York

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Oswego, N. Y.

The Easter trade this year broke all records and was 30 per cent. larger than last year. The florists feel very happy, as in spite of the severe long Winter the business done was larger than previous years. Frequent and large funeral orders helped out greatly, so there is a good balance on the right side of the ledger.

Carl Beckstedt has his place in good shape, and had some good plants of Azaleas, Daisies, Cinerarias and a large assortment of bulb stock. His Violets and Sweet Peas were in good crop and fine. Much sympathy is felt for him owing to the serious illness of his wife, but it is hoped she will soon be restored to good health.

W. D. Stewart had a magnificent crop of very fine Carnations, Violets and Mignonette. His Lilium giganteums and Cinerarias were good; some pans of Pansies were very nice.

Walter Workman's place, as usual, was in the pink of condition, everything in first-class shape. His bulb stock was very large and taken altogether was the best I have seen this year. His Lilium Harrisii were remarkably good; the Hybrid and Baby Rambler Roses were a fine, well-finished lot; some remarkably fine Azaleas found a ready sale.

There was no advance in the price of potted plants. It is hard to say which variety had the call in pot plants, as Workman alone had 15,000, and sold out everything. In cut flowers Violets were in most demand and the supply was not equal to it. Beckstedt turned down a number of orders. Prices for cut flowers were. Roses, Am. Beauty, $5 to $12 per doz., others $2 to $3; Carnations $1 to $1.50 per doz.; Daffodils, Tulips and Narcissus, 75c. per doz.; Hyacinths $3 doz.; Callas and Lilies $3 doz.

H. Y.

Seattle, Wash.

Although near Easter, cut flowers are sold at very low prices. A leading firm is advertising Carnations in the daily papers for 35 cents per dozen. Crocus, Tulips, Daffodils and some Spireas are in full bloom outside and the demand for greenhouse-grown Easter flowers will no doubt be very light.

We have had fine clear Spring weather for about three weeks and some trees and shrubs are out in full leaf. The lawns have been mowed everywhere and a general planting rush is on. The Exposition has set a good example in showing the value of hardy perennials and there is a great demand for plants of that kind.

Last Sunday the Seattle Times devoted two full pages to gardening and lawnmaking, and thus set a good example for other newspapers to follow. The subjects discussed were the following: "The Kitchen Garden," "Gardening for Health and Recreation," "Cactus Dahlias," "Rose Culture," and "Beautiful Gardens on Tide Flats." The whole was nicely illustrated with reproductions of photographs procured from Lilly's Seed Store and Ernest G. Benson.

Benson's Dahlias are selling fast and this new firm is receiving orders from visitors to the A. Y. P. Exposition from all parts of the country.

Arrangements have been made between the University of Washington and the City Park Board for an appropriation of $10,000, to be expended this year on the fairgrounds, in order to preserve this beautiful park.

G.

Payne "T" Bar Greenhouses

THE LIGHTEST AND STRONGEST MADE

SEND FOR DESCRIPTIVE CIRCULAR

JOHN A. PAYNE, Horticultural and Heating Engineer
260-274 Culver Ave., JERSEY CITY, N.J.

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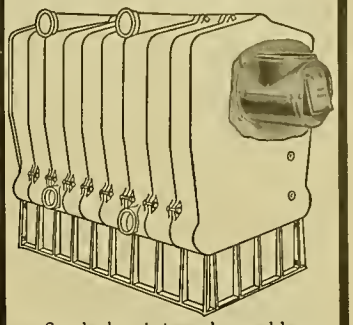
The Burnham



Smoke box is interchangeable, so pipe can be attached at back, top, sides or bottom if you want to—without buying a thing extra—simply a turn of the bolts.

LORD & BURNHAM CO.
IRVINGTON, N. Y.
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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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Write to us about your

Materials and Plans
for any size and style of
GREENHOUSE
for new structure or repairs.

Hot-Bed Sash
in stock or any size required.

Pecky Cypress Benches
most lasting—least expensive.

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Prices Advertised in these Columns are for THE TRADE ONLY

We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.

The A. T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

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OUR direct pressure pumping engines are the best water supply system obtainable, because they can be connected up to your present pipe in a few hours, and will furnish a steady high pressure for spraying and irrigating without the use of storage tanks, and they can also be used with any kind of storage systems as well. Send for one of our catalogues and get on our mailing list now so we can tell you more about the "Standard Pumping Engines."

STANDARD PUMP & ENGINE CO.
15 Michigan St., CLEVELAND, OHIO

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SUMMER IN WINTER
BY USING
Standard Greenhouse Boilers
One cent gets our catalog.
GIBLIN & CO., Utica, N. Y.

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GREENHOUSE GLASS
ALL SIZES
16x24 A. & B. Double a Specialty
C. S. WEBER & CO.,
10 Desbrosses St., New York

Please mention the Exchange when writing.

PIPE FRAME HOUSE OF JOHN STEPHENSON & SONS, PHILADELPHIA, PA.

Boiling its description right down to a few words, it reads like this: wide, long, with Guaranteed Wrought Iron Posts imbedded in concrete footings and partly so in the sides—Plate is the L & B Patented, Ice-Clearing one bolted to the post by a strong iron fitting—Bars fastened to plate by Sash Bar Clasps, making a strong, dry joint.

Roof supported by the Giant Arch formed by clamping together the pipe columns, purlins and cross ties.

Purlins firmly bolted to gable rafter by a special iron fitting and secured to the roof bars by metal binding straps.

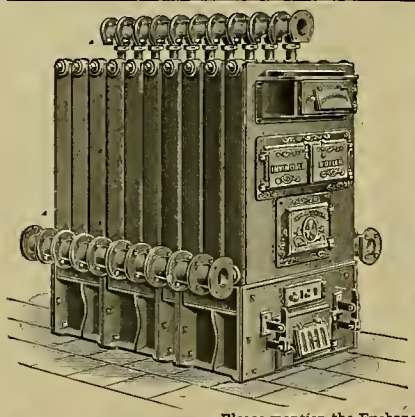
Bars are held at ridge by Wrought Iron Ridge Brackets.

In other words, it is practically an all Iron Frame House. Next to our Sectional Iron Frame Construction it is the best one to build.

When thinking of building, think of us as doing the building.

LORD & BURNHAM COMPANY
IRVINGTON, N. Y.

NEW YORK St. James Bldg. | BOSTON Tremont Bldg. | PHILADELPHIA Heed Bldg. | CHICAGO The Rookery



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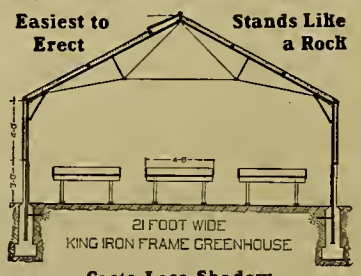
How About This? "The Best Houses we have and we erected them ourselves without any trouble."—*From one of the well known growers in Jersey.*

Easiest to Erect — Stands Like a Rock



Casts Less Shadow

"Ask the Man Who Has One"

John Young Co., New York City, 54 by 561.
Scott & Son, Sharon Hill, 5 houses, 25 by 166.
John N. May, Summit, N. J., Whole Range, 5 houses, 28 by 225.
E. W. Fengar, Irvington, N. J., 3 houses, 28 by 150.
G. F. Neipp, Chatham, N. J., 42 by 300.
C. E. Meehan, Holland, Pa., 50 by 300.
Florex Gardens, North Wales, 172 by 700.
John W. Young, Germantown, Pa., 2 houses, 35 by 300.

Why Not You?

KING CONSTRUCTION CO., NORTH TONAWANDA, N. Y.

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A. HERRMANN
Manufacturer of **Floral Metal Designs**
IMPORTER AND DEALER IN FLORISTS' SUPPLIES
FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK
Office and Warerooms; 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

Greenhouse Material of Louisiana Cypress and Washington Red Cedar — **Hot-Bed Sash**

Greenhouse Hardware and Post — Patent V and U Gutters.
OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT.
Write for Catalogue and Estimate when figuring on your new houses.
A. DIETSCH CO., 2638 Sheffield Avenue, CHICAGO, ILL.

Please mention the Exchange when writing.

Order Your Material Now!!!

DON'T wait until May or June and then expect to get your goods in double quick time. Take the matter up right after Easter and get things under way so you will not be delayed this Spring.
This is going to be the biggest building year yet and if you have the money and space by all means put up some more glass and do it at once!

Send for our catalogs:
No. 4—Greenhouse
No. 5—Boiler
No. 6—Pipe & Fittings

John C. Moninger Co., Chicago
906 Blackhawk Street

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THE JENNINGS IMPROVED IRON GUTTER
PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.
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GREENHOUSE CONSTRUCTION AND HEATING

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

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Wilder Hall M.A.C. Amherst MASS.

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Strong Dormant Roots

Start Your Cannas Now For Spring Trade

We have a fine stock of the best varieties, of our own growing, at exceptionally low prices

Buttercup, Beaute de Poitevine, Florence Vaughan, Pierson's Premier, Rohallion, Robt. Christie, Souv. d'Antoine Crozy, Pennsylvania, Crimson Bedder and Frederick Benary

$3.00 per 100, $25.00 per 1000

Golden King, Mlle. Berat, L. Patry, Austria and Robusta

$2.00 per 100, $15.00 per 1000

CALADIUM ESCULENTUM

Bulbs 6-9 in. in circumference, **$3.00 per 100;** 9-12 in., **$6.00 per 100.**

GLOXINIAS

Finest Mixed Colors, $3.50 per 100; Separate Colors, $4.50 per 100.

F. R. PIERSON CO.

Tarrytown-on-Hudson — **NEW YORK**

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A. N. PIERSON, Inc. Cromwell, Conn.

GRAFTED AND OWN ROOT ROSES

WHITE KILLARNEY (Waban Strain)

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.50 "	8.00 "	75.00 "

KILLARNEY

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000

MY MARYLAND

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000

RICHMOND, KAISERIN, BRIDES and 'MAIDS

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

CHRYSANTHEMUMS

For immediate delivery. **Mrs. W. E. Kelley, Gloria, President Taft, Patty, Merry Jane, Dolly Dimple.** From 2¼-in. pots, **$10.00** per 100, **$90.00** per 1000.

We have a large stock of **Pacific Supreme** and **Golden Glow** ready for shipment from 2¼-in. pots, **$3.00** per 100, **$25.00** per 1000.

BEDDING PLANTS

Coleus, Salvia, Alternanthera, Heliotrope, Ageratum. Now ready.

Send for catalogue

Please mention the Exchange when writing.

Splendid New Crop of

Asparagus

Plumosus Nanus

Extra heavy strings, 50 cents each

Asparagus Plumosus Nanus and Sprengeri seedlings in fine condition. : : :

$10.00 per 1000.

W. H. ELLIOTT

BRIGHTON, MASS.

Please mention the Exchange when writing.

CANNAS

Strong, well-rooted plants, from 3-in. pots, ready for immediate shipment.

Jean Tissot, Pres. Meyers, Pennsylvania, Buttercup, Louisiana, Egandale, Florence Vaughan, Alph. Bouvier. 75c. per doz., $3.00 per 100, $25.00 per 1000.

Strong, Dormant Roots, same varieties, $2.00 per 100, $12.00 per 1000.

King Humbert, 2-in. pot plants, $6.00 per 100.

	Per 100	2-in. 1000	3-in. 100
HARDY CHRYSANTHEMUMS, good varieties	$2.00		
APPLE GERANIUMS	2.00		$4.00
ALTERNANTHERA, red and yellow	2.00	$18.50	
ALYSSUM, Dwarf and Giant Double	2.00	18.50	3.00
COLEUS, Golden Bedder and Verschaffeltii	2.00	18.50	3.00
GERMAN, or PARLOR IVY	2.00		
GERANIUMS, Standard varieties	2.00	18.50	3.00
GERANIUMS, Ivy-Leaved	2.00	18.50	
FUCHSIAS, six varieties	2.00	18.50	3.00
LANTANAS, five varieties	2.00	18.50	3.00
LEMON VERBENAS (Aloysia Citriodora)	2.00	18.50	3.00
PETUNIAS, Double Mixed Colors	2.00	18.50	3.00
PETUNIAS, Dreer's Superb Single	2.00	18.50	3.00
VERBENAS, Red, White, Pink and Purple	2.00	18.50	3.00
SWAINSONA elba	2.00		
LOBELIA, Kathleen Mallard and Newport Model	2.00	18.50	
ASTERS, Vick's, Early and Late Branching, Select Colors; Strong, Transplanted Plants	2.00	18.50	

DAHLIA ROOTS, 5000 Mixed to Color, $4.00 per 100, $35.00 per 1000.

DAHLIA ROOTS, Jack Rose, Ethel Schmidt, Sensation, Fringed 20th Century, Fringed Beauty, Gladys, Rose Pink Century, Big Chief, at $3.50 per doz., $25.00 per 100.

Cash with order. — Visitors always welcome.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

Please mention the Exchange when writing.

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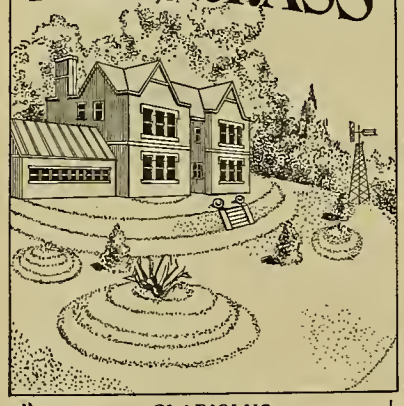
LAWN GRASS



Elliott's Lawn Grass Seed

Put Up in Lithographed Cartons for Counter Trade

Pints $4.00 per 100
Quarts $7.00 per 100

BEGONIA, Tuberous-Rooted

	Doz.	100
Single White	$0.50	$2.50
Red	.60	2.60
Rose	.50	2.50
Yellow	.50	2.50
Orange	.50	2.60
Mixed colors	.40	2.26
Double colors, separate or mixed	.60	4.00

CALADIUM ESCULENTUM

Medium	1.00	8.00
Large	1.25	10.00

CINNAMON VINE

Extra Large roots	.35	2.00

GLOXINIAS

	Doz.	100
Mixed	$0.50	$3.50
Separate Colors	.50	3.60

GLADIOLUS

	Per 100	1000
America. Soft flesh-pink	$6.00	
Augusta. Lovely pure white, with blue anthers	2.50	$20.00
May. A lovely pure white flower, finely flaked bright rosy crimson	2.60	20.00
Red and Scarlet, mixed	1.25	10.00
White and Light	2.00	18.00
Pink, mixed	1.75	15.00
Yellow and Orange, mixed	3.50	30.00
Striped and Variegated, mixed	2.50	20.00
Fine mixed, all colors	1.00	8.00
Lemoine's Hybrids, mixed. First size	1.75	15.00

DAHLIAS

Double Large-flowering and Cactus, leading varieties, mixed	1.00	6.00

LILIES

Auratum ..Per 1000, $72.50..	1.25	8.00
Speciosum, Album	1.25	9.00
Rubrum or Rosenm	1.25	8.26

MADEIRA VINE

Extra Strong Roots	.30	2.00

TUBEROSES

Dwarf Double Pearl (Excelsior) 4x6 in....1000, $8.00		1.00

WM. ELLIOTT & SONS 42 Vesey Street NEW YORK

Please mention the Exchange when writing.

Order now and be sure to grow this year

Rawson's Gold Medal Chinese Primulas

Without doubt the finest strain in the country

We offer the following colors: Pure White, Brilliant Pink, Deep Blue, Crimson, Salmon, Bright Christmas Red, and White with Red Eye; also a wonderful mixture at the price of:

Per Hundred seeds, 50c.; thousand seeds, $4.00

The proper time to sow Primulas is during the month of May, so please do not delay in ordering.

W. W. RAWSON & CO., Seedsmen

5 UNION STREET, BOSTON, MASS.

Please mention the Exchange when writing.

PALM SEEDS

KENTIA SEED

	Per 100	1,000	10,000
Kentia Forsteriana	$0 50	$4 60	$40 00
" Belmoreana	50	4 00	37 50
Cocos Weddelliana	1 00	7 50	70 00
Areca Intescens	1 00	7 50	70 00
Latania Borbonica	30	2 50	20 00

Per S. S. Australia, to arrive this month, also other Palm Seed for immediate delivery.

	Per 100	1 000	10,000
Livistona rotundifolia	$2 00	$17 50	
" Chinensis	1 00	7 50	$70 00
Phoenix Canariensis	30	3 00	27 50
Phoenix Rochelenii	1 00	7 50	
Mnea Enaete	1 00	7 50	

PRICES UPON LARGER QUANTITIES UPON APPLICATION

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., N. Y. City

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Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Lawn Grass Seed

Pint packages, 75 cents. per dozen, $6.00 per 100; quart packages, $1.50 per dozen, $12.00 per100; bushel (16 lbs.), $2.75

Stumpp & Walter Co 50 Barclay St. NEW YORK

Please mention the Exchange when writing.

A Bargain

IRIS *Superior Stock 2-3 Eye Pieces*

"Kaempferi or Japanese"

DOUBLE

Gold Bound. Pure white, one of the best.

Mahogany. Dark red, shaded maroon.

Oriole. Rich plum, marked yellow.

Pyramid. Lilac blue, veined, white center each petal.

SINGLE

Apollo. Pure white, pink center.

H. Von Sieboldt. Reddish, veined white, yellow center, **$3.00** per 100.

Lavender Queen. Fine lavender.

Ondine. White, shaded light blue toward center.

Above named sorts, except where noted: **$6.00** per 100; **$50.00** per 1000.
Double and Single Varieties Mixed: **$3.50** per 100; **$30.00** per 1000.
SEEDLINGS: Some beautiful colors, all very fine. **$4.00** per 100; **$30.00** per 1000.

"Germanica"

Candiamus. Light lavender; falls reddish purple.

Florentina. Creamy white, fragrant and early; fine for cutting.

Fragrance. White edged with blue; falls white with blue penciling.

Honorable. Intense yellow, falls a beautiful bronze. **$10.00** per 1000.

Innocence. White, edged with blue.

Madam Chereau. Pure white, edged with azure blue; falls deep white with blue penciling.

Neclecta. Upright, fine blue; falls deep blue. Large flower.

Parkmani. Uprights pure lemon; falls white veined purple.

Queen of the Gypsies. Dusky light bronze; falls purplish red.

Sans Souci. Yellow, elegantly reticulated light maroon.

Named varieties, except where noted: **$3.00** per 100; **$25.00** per 1000.
Mixed: **$2.00** per 100; **$15.00** per 1000.
250 at 1000 rate. 8% disc. for cash with order.

JOHN LEWIS CHILDS
Floral Park, N. Y.

Please mention the Exchange when writing.

SWEET-PEAS

Special offer of leading varieties for Florists.

Blanche Ferry. Extra early. pink and white Lb.	$0.26
Countess of Radnor. Lavender	.26
Countess Spencer. Giant flowering pink	.70
Dorothy Eckford. The best white of the standard vars.	.26
Duke of Westminster. Clear purple	.25
Gladys Unwin. Giant fig., soft pink	.40
King Edward VII. The best red variety	.26
Lady Grisel Hamilton. The best Lavender var.	.26
Primrose Spencer. Primrose yellow	1.00
Salopian. (Sun proof) scarlet, very large	.26

WEEBER & DON, SEED MERCHANTS and GROWERS
114 Chambers St., New York

Please mention the Exchange when writing.

Try The Following

CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
PANSY—"Burnett's Gorgeous Strain."
STOCKS—"Burnett's Perpetual White."
CAULIFLOWER—Burnett's Selected "Snowball."

Write for our Illustrated Catalogue

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

The book of WATER GARDENING

By PETER BISSET. Price, postpaid, $2.50.

A. T. De La Mare Ptg. & Pub. Co. 2 to 8 Duane St. New York

Do you need

Cycas Stems

(Sago Palm)

TRUE LONG-LEAVED VARIETY

Pounds	Per pound
10	10c.
25	8c.
100	7½c.
300 (case)	$21.00.

Double Pearl

TUBEROSES

Sure Blooming

90c. per 100; $7.00 per 1000.

JOHNSON SEED CO.

217 Market St., Philadelphia, Pa.

Please mention the Exchange when writing.

Seasonable Seeds

CALADIUM esculentum, Fancy Caladiums from Brazil.
GLADIOLI, all sorts. **Japan IRIS.**
Japan LILIES.
Double-flowering **CHERRIES.**
Send for our new Spring list.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.

XXX STOCK

AGERATUM Princess Pauline, very fine and strong, $2.50 per 100.
STAR PETUNIA, XX Strong, 2¼-in., $3.00 per 100, 200 for $5.00.
PHLOX, Finest Dwarf Mixed, strong 2-in., two in pot, $1.50 per 100.
SALVIA, Bonfire, finest grown, strong 2-in., $2.00 per 100, 300 for $5.00.
GIANT PANSIES, finest mixed, extra fine plants, $2.50 per 1000.

XXX SEEDS

GIANT PANSY, finest grown, critically selected 6000 seeds $1.00, ½ pkt. 50c., oz. $2.50; pkt. **Mme. Perret** with every $1.00 pkt.
CHINESE PRIMROSE, finest grown, single and double, 500 seeds $1.00, ½ pkt. 50c.
PRIMULA Kewensis, the grand, new, sweet-scented, Yellow Primrose, pkt. 20c.
CINERARIA, large flowering dwarf mixed, 1000 seeds 50c., ½ pkt. 25c.
CASH. Liberal extra count.

JOHN F. RUPP, Shiremanstown, Pa.
RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS
SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

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S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Thorburn's Seeds

HIGHEST GRADE ONLY

Send for special wholesale catalogue for Market Gardeners and Florists

J. M. THORBURN & CO., 33 Barclay St. New York

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ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

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Bridgeman's Seed Warehouse

RICKARDS BROS., Props.
Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

Stock Seed
Fiske's Branching in all colors. Tr. pkt. 40c., oz. $4.00.
Pure White, tr. pkt 50c., oz. $5.00.
Also **Beauty of Nice** strains,
H. E. FISKE SEED CO., Boston, Mass.

Please mention the Exchange when writing.

CAULIFLOWER CABBAGE SEED

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO.

BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

VEGETABLE PLANTS

	Per 100	1000
Beet Plants	$0.20	$1.25
Egg Plants	.40	2.00
Pepper Plants, Bull Nose, Sweet Mountain and Ruby King	.40	2.00
Tomatoes, Small Plants of Earliana, Early Jewel, Dwarf Stone, Champion, Ponderosa and Matchless	.30	2.00
Tomatoes, Small Plants of Stone, Paragon, Favorite and Success	.20	1.00

R. Vincent, Jr. & Sons Co., White Marsh, Md.

Please mention the Exchange when writing.

F.E.—Best Advertising Medium

SPRING BULBS

		Per doz.	100
Lilium Auratum,	8- 9 inch.	$0.90	$6.00
Lilium Auratum,	9-11 inch.	1.25	9.00
Lilium Rubrum,	8- 9 inch.	.85	5.00
Lilium Rubrum,	9-11 inch.	1.25	7.50

GLADIOLUS BULBS

Those having once used my "Floracroft" Mixture always want them again.

	Per 100	1000
FLORACROFT MIXTURE—		
No. 1 size	$1.50	$10.00
No. 2 size	1.00	7.50
Shades, White and Light	1.75	15.00
Shades of Red and Scarlet	1.25	9.00

TUBEROSES

PEARL DOUBLE

	Per 100	1000
Monsters	$1.25	$12.00
No. 1, large 4-6	.90	7.50

CALADIUM ESCULENTUM

	Per doz.	100
7 to 9 inch	$0.60	$4.00
9 to 11 inch	.85	6.00
11 to 12 inch	1.50	10.00
12 to 18 inch	2.00	15.00

CYCAS STEMS

Fresh, just in from Japan.

10-lb. lots	10c. per lb.
25-lb. lots	8c. per lb.
100-lb. lots	7½c. per lb.
Case (300 lbs.)	$21.00

STOKES' SEED STORE

219 Market St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

AMERICAN SEED TRADE ASSOCIATION

President J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard H. Vaughan, Chicago.

IMPORTS, ETC.—March 28.—Vaughan's Seed Store; 1 barrel Lily bulbs; F. B. Vandegrift & Co., 54 boxes Lily buds; Wells Fargo & Co., 20 boxes Lily buds; H. F. Darrow, 1 case plants; Pennsylvania R. R., 10 cases plants; American Tobacco Co., 120 cases plants; Palisades Nurseries, 2 cases bulbs and plant; C. C. Abel & Co., 23 cases bulbs; Maltus & Ware, 8 cases bulbs. March 28.—Maltus & Ware, 13 cases plants; F. B. Vandegrift & Co., 126 cases plants; G. W. Sheldon & Co., 18 cases plants; McHutchison & Co., 9 cases plants; C. Abel & Co., 10 cases plants; W. Laszelel & Co., 6 cases plants; A. Rolker & Sons, 39 cases plants; America Nursery Co., 2 cases plants; C. R. Rugger, 2 barrels plants. March 30.—Maltus & Ware, 8 cases plants; Smith & Boltzenthal, 5 cases plants. March 31.—United States Disp. Agent, 1 case live plants; H. M. Baker, 190 bags Clover seed; Hensel, Bruckmann & Lorbacher, 1 case seeds; D. W. Sheldon & Co., 290 bags seeds; L. D. Crossmond, 3 cases living plants; International Dispatch, 1 case plants; Vandegrift & Co., 13 cases live plants; C. E. Richard & Co., 32 cases plants; L. J. Spence, 2 cases plants; Amermann & Patterson, 7 cases plants; C. C. Abel & Co., 21 cases plants. April 1.—Vaughan's Seed Store, 2 bags seed; E. Johanson, 1 package living plants. April 2-3.—Maltus & Ware, 3 cases living plants; Perry, Ryer & Co., 14 packages plants; Wells, Fargo & Co., 1 box plants; American Museum of Natural History, 1 case plants. April 4.—Maltus & Ware. 192 cases plants; F. B. Vandegrift & Co., 10 boxes Lily buds; Perry, Ryer & Co., 14 packages plants; Wells, Fargo & Co., 1 box plants; Maltus & Ware, 5 cases living plants; A. Rolker & Son, 18 cases living plants; Rooney & Spence, 1 basket living plants.

European Notes

Although we have a frost nearly every night the conditions continue to be extremely favorable for all outdoor work and Spring sowings proceed apace. As a consequence the seedsmen are up to their eyes in work, and the retail stores are crowded all the time. One very remarkable feature is the continuous demand for Onion seed.

This is the more surprising because the prices realized in the markets by the

"Horseshoe Brand" Products

"NOT HOW CHEAP— BUT HOW GOOD"

Isn't it worth something just to know that you have bought the best brand of Lily Bulbs that can be procured? Doesn't it rather ease your mind to know that you have potted up bulbs that come from the very best fields in Japan? Don't you think it is better to pay a little more and buy Horseshoe Brand Giganteum for Easter, 1911, than to buy some other brand of doubtful origin?

Horseshoe Brand Giganteum are positively produced from the very choicest seed-bulbs in the world, and are properly planted and cultivated. If they cannot satisfy you nothing can. Write or call.

RALPH M. WARD & CO.

12 West Broadway—New York

Please mention the Exchange when writing.

SURPLUS STOCK

LILIUM AURATUMS
8 to 9 inches (130 in a case), $4.50 per case

LILIUM SPECIOSUM ALBUMS
8 to 9 inches (220 in a case), $13.00 per case

CYCAS STEMS
3 to 8 lbs. (300 lbs to a case), $16.50 per case
Prices F. O. B. New York. Sold only in case lots. Stock limited. Order at once.

BAMBOO STAKES
Natural and green, various sizes always on hand

YOKOHAMA NURSERY CO., Ltd. 31 BARCLAY ST. NEW YORK

Please mention the Exchange when writing.

ELEPHANT'S EAR

Caladium Esculentum

Bulbs 6 to 8 inches in circumference, 200 in a case, 25c. per doz., $2.00 per 100, $15.00 per 1000.
Bulbs 8 to 10 inches, 100 in a case, 50c. per doz., $3.50 per 100, $30.00 per 1000.
Bulbs 10 to 12 inches, 75 in a case, 75c. per doz., $5.50 per 100, $50.00 per 1000.
Bulbs 12 to 13 inches, 50 in a case, $1.00 per doz., $8.00 per 100, $75.00 per 1000.
Monster bulbs 13 inches and upward in circumference, 25 in a case, $1.50 per doz., $12.00 per 100.
Full cases at 100 rate

"Red Seal Brand"
Excelsior Pearl Tuberoses
4 to 6 inches
$7.50 per 1000; $1.00 per 100

ARTHUR T. BODDINGTON
SEEDSMAN
342 West 14th Street
NEW YORK CITY, N. Y.

Please mention the Exchange when writing.

Gladioli

Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck and Pactole.
LILIES, IRIS, CINNAMON VINES and other bulbs for Spring planting.
Send for prices.
E. S. MILLER
WADING RIVER, LONG ISLAND, N. Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Onion growers are quite unprofitable. So great is the glut of Onion bulbs in northern France that the towns and villages in southern England and the suburbs of London are literally infested with the itinerant vendors of this article from Brittany, who are not only a pestiferous nuisance to the British householder but help to still further reduce the demand for home-grown stock. Where these stinking hawkers spend the night with their odorous merchandise it is not well to enquire too closely, especially as we are told that Onions appropriate to themselves any impurities that may be near.

When tariff reform is in the ascendant this is one of the abuses of the right of free entry that must be put away.

It might be supposed from the opening remarks in these notes that all is now well with the seed grower, but while there is a relief from anxiety on account of the weather the difficulties of arranging with the farmers increase every day. One by one the miserable remnants of last season's crops of Mangel and Radish are now being threshed and as a great part of the wretched stuff is absolutely worthless it is small wonder that the farmer seeks some excuse to repudiate contracts already hooked for these articles, and it is now too late to place them elsewhere. Even worse is the case with Peas. The heavy losses in picking were an additional discouragement to the growers who during the terrible harvest time had their crops turned over day by day to prevent their being spoiled. Many of these men have grown Peas regularly for thirty or forty years and were relied upon to continue the culture—of course at an advanced price—but at the last moment they are with one accord backing out and the stock Peas that have cost us a pile of money and are not fit to be carried over to next year remain on our hands. As a result surplus offers are very much in evidence and prices are tumbling down all round.

In market seeds the trade in Tares continues very brisk, partly owing to some very heavy orders from your side. The Clover market is quiet; good samples are almost neglected, mainly because there is a large surplus of middling seed that is being offered on very favorable terms. EUROPEAN SEEDS.

American Notes

Trade Still Increasing

The warmer Spring days have added to the already splendid volume of trade that the seedsmen in every part of the country are doing. Good as every line of horticultural and agricultural business was in March, this month's orders will be even larger; in fact, every indication is that the seed-selling season as a whole will certainly turn out to be the best this country has ever experienced. All conditions favor an enormous seed business. Easter being so early, with every indication of an early Spring, combined with the fact that seed users realize that there is a real shortage of the best stocks in many lines, can only have one result. The past week has seen retail counter sales assume very large proportions, not only for seeds but nursery stock, and plants have been in great demand.

Seed Potatoes are now being shipped extensively, many of the larger dealers reporting that sales in quantity are ahead of last year to date, but as prices average some 75c. to $1 per barrel less than in 1909, it is too early as yet to estimate the comparative value of the total sales. Onion sets, as always, are in brisk demand; these also, like seed Potatoes, are selling somewhat under last season's rates. At the present time white sets are worth $2.75, and red and yellow sets, $2.35 per bushel in round lots. It was noted last week that the amount of nursery stock being sold by the seedsmen never was larger than this season; in fact, many of the seed houses, who before have done little in this line, have organized special departments for the sale of nursery stock and plants.

Detroit Dark Red Turnip Beet

Beet is a very important seed; and while no seed stock can be considered complete without a generous supply of it, still most dealers do not wish to keep on hand a full line of the innumerable sorts carried by the seedsmen. Where only a few varieties of Beet seed are kept in stock, the Detroit Dark Red Turnip Beet will be found an invaluable sort. Extended experience has shown this variety to be one of the best deep red Turnip Beets, not only for market gardeners but for the home garden as well. Its small upright growing tops, early maturing, and the splendid shape, as well as the dark color of the roots, make it liked by all and suitable for all purposes. It is equally good for early or late sowings. Get an ample supply of this variety, if it is only intended to keep one kind of Beet seed in stock, and customers will be few, in a retail way especially, that cannot be satisfied.

Bulb Mixtures

The next six weeks to two months will be the very height of the season for the sale of Spring bulbs. From inquiries received in the last few days many dealers who do considerable in seeds seem to be loath to take up bulbs, for the reason, as one writes, "the named varieties run into money so fast." It seems opportune to remind those dealers who have not as yet kept bulbs but would like to do so, that it is not necessary at first to carry in stock any named varieties whatever, as good mixtures are what the majority of retail purchasers require. For example, in Gladiolus bulbs a mixture that can be sold for 40c. or 50c. a dozen will be found a good leader, and so right through the list. A dealer should put into stock good but inexpensive mixtures as far as possible, and he will be much pleased with the lucrative retail business Spring bulbs will bring in connection with seed sales. The principal sellers at retail in Spring bulbs are Gladiolus, Cannas, Dahlias and Tuberoses. There are, of course, many other sorts but these are ones mostly called for. V.

Prices Advertised in these Columns are for THE TRADE ONLY

Direct Importations

AT FOREIGN GROWERS' PRICES

From BELGIUM Palms, Arancarias, Bay Trees, Azalea Indica, etc.
From HOLLAND Boxwood, Rhododendrons, pot grown Shrubs for forcing, etc., etc.
From GERMANY Valley Pipe. Early or late forcing.
From ENGLAND English Manetti selected for grafting.
From JAPAN Lilium Longiflorum, Gigenteum, Multiflorum, etc.

Full list of Japanese, Holland, English and French Nursery Stock

Write for catalogues, especial lists, etc., mentioning the class of stock you are interested in.
RAFFIA 5 grades. Bale lots only.
Our business is import and wholesale only. Don't write unless you use sufficient to make direct separate importations

McHUTCHISON & CO.
17 MURRAY STREET Please mention the Exchange when writing. NEW YORK

J. BOLGIANO & SON
WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS
BALTIMORE, MD.
Please mention the Exchange when writing.

ASPARAGUS ROOTS

LARGE STOCK
Write for Prices
C. A. BENNETT Robbinsville, New Jersey

Please mention the Exchange when writing.

Watch for our Trade Mark stamped on every brick of Lambert's
Pure Culture Mushroom Spawn
Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address
P. C. Trade Mark
American Spawn Co., St. Paul, Minn.
Please mention the Exchange when writing.

FRESH MUSHROOM SPAWN

ENGLISH AND AMERICAN

VAUGHAN'S SEED STORE
CHICAGO 84 Randolph Street
NEW YORK 25 Barclay Street

Please mention the Exchange when writing.

EVERY FLORIST WHO GROWS ASTERS
Should Send for Our Aster Book Immediately
Get your name on our files for our regular **Florists' Wholesale Catalogue.** These books are free.
JAMES VICK'S SONS
ROCHESTER, N. Y.
Mention this paper

Please mention the Exchange when writing.

Famous Aster **Lady Roosevelt**
Gorgeous Pink, 20 to 40 inch stems, scientifically grown and separated seed. Reduced price while the stock lasts, order today: ⅛ oz. 40c., ¼ oz. 75c., ½ oz. $1.50, 1 oz. $2.50.
Aster Seed in mixture, best colors, and ¼ Roosevelt. Oz. $1.00.
GLEN MAWR SEED FARMS Kinzers, Pa.

Please mention the Exchange when writing.

Aster Lady Roosevelt

Late. Longest Stem, Rich Pink. Sow end of April. Trade packet, selected stock, 50c.; good stock, 30c. Write for prices in quantity. Tested seed.
JAS. MACFARLANE, Staatsburg-on-Hudson, N.Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

New York Seed Trade

The wartaer days have brought an unprecedented rush of orders, even for April. Our seedsmen are all agreed that never has the month been busier. It is needless to select any special line for particular comment as everything that seedsmen sell is in demand. We are certainly as busy as we were two weeks later last year.

The location of Vaughan's Seed Store, at 25 Barclay st., is certainly proving most desirable for retail business. There is plenty of sidewalk room that can be used for display purposes as well as prominent show windows. The combination is a most happy one and attracts crowds of purchasers. The firm is making a fine display this week of Pansy plants, a full line of nursery stock and vegetable plants, all of which can be instantly delivered.

The Stumpp & Walter Co. has started this week its sales of early Cabbage, Lettuce, Cauliflower and other vegetable plants. They are also making a particularly fine display of Spring bulbs. Every line of the seed trade here is most active.

S. D. Woodruff & Sons report sales of seed Potatoes and Onion sets much ahead of a year ago. The leading sorts of seed Potatoes such as Irish Cobblers, Early Rose, Early Beauty of Hebron, were this week $2.50 to $2.75 per barrel; with Green Mountains $2.25 per barrel. Regarding Onion sets, the best whites are $2.75; red and yellow sets are $2.35 per bushel.

At Boddington's great activity is manifest; his special offers of Roses have brought many orders. This week the new Kentia Palm seed has arrived from Australia. Sales of Spring bulbs with this house exceed those of any previous season, particularly in Cannas.

Alexander Dallas of Waterbury, Conn., was among our visitors this week. Mr. Dallas reports that every line of the florists' business is most active in his city.

All over town, little stands where seeds, bulbs, nursery stock and plants are being sold, have sprung up like Mushrooms, particularly in the downtown district.

Burnett Bros. still continue to handle a large amount of nursery stock. This seems to be quite a feature with this firm.

Rickards Bros. report their retail counter business as far ahead of any previous year at this time.

All our seedsmen have greatly increased their sales lately of the new insecticide Aphine, made by the Aphine Manufacturing Company of Madison, New Jersey. This insecticide, while only on the market a short time, has already made its way as one of the best sellers in this line with the seedsmen.

Peter Henderson & Co. have a very complete assortment of vegetable plants. So well known are they for this particular specialty that their sales along this line seem to be ever on the increase.

Weeber & Don are particularly pleased with the much increased volume of Sweet Pea sales this season.

Every seedsman in New York could certainly use more efficient help, if the same could be obtained; the demand for trained seedsmen is certainly far ahead of the supply at the present time.

J. M. Thorburn & Co. are particularly busy in the flower seed line, among the varieties in which their new Eschscholtzia Thorburni has made very satisfactory sales, both at wholesale and retail.

C. McTaggart is disposing of both nursery stock and vegetable plants in goodly quantities. Mr. McTaggart, in common with the rest of the seedsmen, has been experiencing much difficulty in obtaining skilled help to handle the rush.

Philadelphia Seed Trade

A continuance of the same weather conditions which existed during March, with even a higher temperature, and a light warm rain of short duration, has brought about an unprecedented sale of all seeds used for Spring planting. The counter trade at the seed stores is very large, as is also the mail order business. At many stores work is going on five nights a week and, notwithstanding, it is impossible to keep up with the steadily incoming orders. Vegetable and flower roots and bulbs of every kind are displayed, and the quality, too, is all right.

Johnson Seed Co. is doing a large business in Cycas stems and Tuberoses, and the sale of Aster seed still continues very large. The sale of spray pumps in all sizes is rapidly increasing.

The Stokes Seed Co. is already displaying lawn mowers. They are offer-

Boddington's Quality Sweet Peas

SOW NOW FOR SUCCESS

Remember you may deduct 5 per cent. if cash accompanies the order

25c. per lb.;

Agnes Johnstone. Soft light pink
Apple Blossom. Rose and white
Bolton's Pink. Orange-pink
Blanche Ferry. "Extra early," rose and white.
Black Knight. Maroon
Dainty. Light pink
Duke of Westminster. Blue and purple
Dorothy Eckford. Pure white
Earliest of All. Pink and white
Emily Henderson. Pure white
Evelyn Byatt. Orange-pink
Emily Eckford. Mauve and blue
Flora Norton. Blue and purple
Honorable Mrs. E. Kenyon. Pale yellow
Jeannie Gordon. Light pink
Janet Scott. Pale yellow or primrose
Katherine Tracy. Pink shades
King Edward VII. Crimson-scarlet
Lovely. Light pink
Lady Grisel Hamilton. Lavender and mauve.
Lottie Eckford. Lavender and mauve, picotee edged
Lord Nelson. Violet and indigo
Mont Blanc. Pure white
Miss Willmott. Orange-pink
Mrs. Walter Wright. Mauve and blue
Mrs. Geo. Higginson, Jr. Lavender and mauve
Mrs. Collier. Pale yellow
Navy Blue. Violet and indigo
Othello. Maroon
Prima Donna. Pink
Queen Alexandra. Crimson-scarlet
Queen of Spain. Light pink
Queen Victoria. Pale yellow or primrose
Romolo Piozzanni. Mauve and blue
Salopian. Crimson-scarlet
Stella Morse. Light pink and primrose
Shazada. Maroon
Shasta. Pure white
Sadie Burpee. Pure white
White Wonder (double), pure white

10c. Per ¼ lb.;

Black Michael. Maroon, lb. 35c., ¼ lb. 15c., oz. 10c.
Earliest Sunbeams. Pale yellow or primrose, lb. 40c., ¼ lb. 15c., oz. 10c.

5c. per oz.

Duke of Sutherland. Maroon
***Gladys Unwin.** Light pink
Helen Pierce. Violet, feathered white
Henry Eckford. Salmon-orange
***Her Majesty.** Rose-crimson
***Mrs. Alfred Watkins.** Light pink
***Nora Unwin.** Pure white
***Paradise.** Light pink
Phenomenal. Lavender and mauve, picotee edged
***Primrose Spencer.** Pale yellow or primrose

50c. per lb.; 15c. per ¼ lb.; 10c. per oz.

***Countess of Spencer Hybrids, Mixed**
***E. J. Castle.** Rose-crimson
***Frank Dolby.** Lavender and mauve
***Phyllis Unwin.** Deep rosy carmine, self

75c per lb. 25c. per ¼ lb. 10c per oz.

***Countess of Spencer** (true stock). Light pink
†**Christmas Pink** (Boddington's). Pink and white
†**Christmas White** (Boddington's). Pure white
†**Florence Denzer.** Pure white

$1.00 per lb.; 40c. per ¼ lb.; 10c per oz.

Earliest White. Pure white, lb. $1.25, ¼ lb. 40c., oz. 10c.
***Enchantress.** Light pink
***Florence Morse Spencer.** Pink shades
***George Herbert.** Almost self-carmine
***Helen Lewis.** Orange-pink
***John Ingman.** Rose and white
***Prince Olaf.** Striped and mottled blue, white ground
***White Spencer.** Pure white

$1.50 per lb.; 40c. per ¼ lb.; 15c. per oz.

	Per lb.	¼ lb	Oz.
†**Watchung.** Pure white	$1.75	$0.50	$0.20
†**Snow Bird** (Boddington's). Pure white	2.00	.75	.20
†**Canary.** Pale yellow or primrose.	2.50	1.00	.30
†**Flamingo.** Rose-crimson	5.00	1.50	.50

Those marked with a * are Countess of Spencer or Unwin types.
Those marked † are Winter-flowering.

ARTHUR T. BODDINGTON
Seedsman, 342 West 14th St., NEW YORK CITY, N. Y.

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Florists' Dahlias

A good assortment of Dahlias for Florists, at prices that will surprise you for undivided field clumps.

J. MURRAY BASSETT, Packard St. Hammonton, N. J.

Please mention the Exchange when writing.

Jack Rose Dahlias

LARGE UNDIVIDED CLUMPS

$15.00 per 100, or $2.00 per dozen.

W. C. WARD

577 Adams St., East Milton, Mass.

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Cultural Directions

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

THE FLORISTS' EXCHANGE
2 to 8 DUANE ST., NEW YORK

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

DAHLIAS

Charles Clayton is my best introduction; for brilliancy, form and stem, this new Cactus leads them all. Other superb Novelties are: Mrs. W. K. Jewett, Manitou, Princess Yetive, Corona, Olive Tracy. These with other fine varieties were awarded a Bronze Medal at the Alaskan-Yukon Exposition, last season. Select list of Standard Dahlias; and Field-Grown Hollyhocks, both Double and Allegheny. Catalogue on application.

W. W. WILMORE, P. O. Box 382, Denver, Col.

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Prices Advertised in these Columns are for THE TRADE ONLY

DAHLIA POLES

All Kinds of Flower Sticks
Green and Plain, Blunt and Pointed

HUGO L. GROTE, 1123 Broadway, New York City

Invincible Aster

Michell's Reliable Aster Seeds

IMPROVED SEMPLE'S BRANCHING (Michell's). An improved strain which has been obtained by years of careful selection.

	Tr. pkt.	Oz.
Lavender	$0.40	$1.50
Rose Pink	.40	1.50
Shell Pink	.40	1.50
Purple	.40	1.50
Crimson	.40	1.50
White	.40	1.50
Choice Mixed	.40	1.50

INVINCIBLE. A superior strain of great value to the florists for cutting; plants of branching habit; flowers of large size and perfectly double.

	Tr. pkt.	Oz.
Crimson	$0.30	$1.50
Lavender	.30	1.50
Rose Pink	.30	1.50
White	.30	1.50
Mixed	.30	1.25

QUEEN OF THE MARKET (Extra Early). A well-known and desirable florists' Variety.

	Tr. pkt.	Oz.
Dark Blue	$0.20	$0.60
Crimson	.20	.50
Light Blue	.20	.50
Rose Pink	.20	.60
Blush Pink	.20	.50
White	.20	.60
Mixed	.20	.50

LAVENDER DAYBREAK.
Lavender. In habit of growth and form of flowers, this variety is identical with the Pink Daybreak. Trade pkt. 40c., oz. $3.00.

LAVENDER GEM.
Lavender. An excellent variety of the Comet type, with large, perfectly double flowers. Trade pkt. 40c., oz. $2.25.

Our Complete Wholesale Catalogue, sent free

HENRY F. MICHELL CO., 10th & Market Streets PHILADELPHIA, PA.

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CANNAS

Our own home-grown stock is true to name. Extra Selected, plump, sound, 2, 3, 4-eyed roots.

	Per 100		Per 100
Austria	$1.20	M. Washington	$2.25
Allemania	1.20	Mont Blanc	4 60
Alba Rosea	1.20	McKinley	1.40
Alph. Bouvier	1.50	Mrs. K. Gray	1.50
Alsace, white	1.50	Niagara	2.50
B. Poitevine	1.75	Papa Nardy	2.00
Buttercup, new	1.50	Pennsylvania	1.50
Black Prince	1.80	Premier, gold ed	1.75
Black Beauty	2.50	Pres. Meyers	2.00
Brandywine	2.00	Queen Charlotte	2.00
Chas. Henderson	1.50	R. Wallace	2.50
Crimson Bedder	2.00	So. d'A. Crozy	2.26
D. of Marlboro'	2.00	Shenandoah	1.75
Egandale	1.60	Sec. Chabanne	2.00
Express, dwarf	2.00	Venus, new	3.00
Flor. Vaughan	1.80	Wm. Saunders, new	10.00
Gladiator, new	2.26	West Grove	1.80
King Humbert	4.50	Wm. Boffinger	1.50
Louise, pink	1.80	Sep. colors mix.	1.00
Louisiana	1.60	All kinds mxd.	.70
Mad. Crozy	2.00		

CALADIUM Esculentum (Elephant's Ears).

	Doz.	100
6-8 in. circumference	$0.26	$1.75
8-10 in. circumference	.50	3.50
10-12 in. circumference	.76	6.50

TUBEROSES, Dwarf Pearl, 1st size, $7.50 per 1000, 80c. per 100; 2nd size, $4.50 per 1000.
GLADIOLUS Gandavensis, light shades, all colors mixed, 75c. per 100, $7.00 per 1000.
PANSY PLANTS, large, transplanted; Vautier's Mammoth Bugnot, etc., including the new odorous strain Orchideaeflora, $3.00 per 1000; 2000 for $5.00.
SHELLROAD GREENHOUSES, Grange, Baltimore, Md.

Please mention the Exchange when writing.

CANNAS

KING HUMBERT, CHAS. HENDERSON, EX. CRAMPBELL, MAD. CROZY, ALPHONSE BOUVIER, MLLE. BERAT, FLORENCE VAUGHAN, SOUV. DE ANTOINE CROZY.

Write for special prices, stating quantity wanted.

FRESH TOBACCO STEMS. Bale of 300 lbs. $1.75; Ton $9.00.

W. C. BECKERT
SEEDSMAN
103 Federal St., N. S., Pittsburg

Please mention the Exchange when writing.

¼ Million Canna Plants

OVER 100 VARIETIES

Started in beds out of doors, strong well-rooted plants.

Prices range from $1.50 per 100 up, according to varieties and quantity wanted. Plants ready after April 15, they will be packed light in moss. Send us a list of your wants and let us quote you prices. We also have dry roots in many varieties.

Frank Cummings Bulb & Plant Co.
Canna Growers, MERIDIAN, MISS.

Please mention the Exchange when writing.

THE AMERICAN CARNATION
Price $3.50
A.T. DE LA MARE PTG & PUB CO. LTD

ing Cabbage plants and a full line of field and garden seeds and all seasonable roots and bulbs.

The Moore Seed Co. is carrying a very large line of both American and imported garden tools. This house is now offering a new crop of greenhouse grown Asparagus plumosus nanus seeds.

At Henry A. Dreer's the display of Lawn Grass seeds is still a feature, and a very full line of lawn mowers is now shown.

Henry A. Michell Co.'s store still continues crowded with buyers. The house is offering some remarkably good Lily bulbs of the following varieties: Auratum, rubrum, album, tigrinum, ismene, and large clumps of hardy Lily of the Valley.

As far as can be learned, never in the history of the American seed business were the sales so heavy at this season of the year, nor the outlook for the remainder of the season more promising.

As remarked in our last letter, some shortages are already rumored, among them one in extra early red Valentine Beans.

OCONOMOWOC, WIS.—Louis Johnson & Son have purchased the seed business of C. H. Jackson.

WINDSOR, ONT.—The large building here occupied by D. M. Ferry & Co. as a seed warehouse, was recently gutted by fire, entailing a loss of $200,000. The firm is making an addition to its Detroit seed house, to cost $70,000.

AUGUSTA, GA.—The N. L. Willet Seed Co. has made a substantial increase in its capital stock. Neeley Ransom, who was connected with the store, has bought the stock and is now closely identified with the management of the business.

Amended Seed Bill

We present the text of the Callan Seed Bill, as amended, and now on the order of its second reading in the Assembly of New York State.

Sec. 340. **Inspection and sale of seeds.**—Within the meaning of this article "agricultural seeds" are defined as the seeds of Alfalfa, Barley, Canadian blue grass, Kentucky blue grass, Brome (awnless) grass, Buckwheat, Alsike Clover, crimson Clover, red Clover, white Clover, field Corn, Kaffir Corn, meadow Fescue, Flax, Millet, Oats, Orchard grass, Rape, red top Rye, Sorghum, Timothy and Wheat which are to be used for sowing or seeding purposes. No person shall sell, offer, expose or have in his possession for sale for the purposes of seeding, any seeds or cereals, grasses, Clovers of the class known as agricultural seeds in quantities exceeding ten pounds, unless every receptacle, package, sack or bag containing such seeds, or a label securely attached thereto or enclosed therein, is marked in a plain indelible manner as follows; and said marks shall be on the receptable, package, sack or bag itself if there is more than ten per centum of injurious foreign seed:

a. With the full name and address of the seller.

b. With the name of the kind or kinds of seeds, except in the case of mixtures prepared for special purposes, when so labeled, and the name of any foreign injurious seeds present to the extent of five per centum or over by count and the name and per centum of the following adulterants, if present, which adulterants shall not be taken into consideration when estimating the five per centum hereinbefore referred to: Yellow Trefoil in red Clover; yellow Trefoil, burr Clover, sweet Clover or Dodder, in Alfalfa; Canadian blue grass in Kentucky blue grass; Meadow Fescue or Rye grass in Orchard grass; yellow Trefoil in alsike Clover.

c. With the claimed per centum of purity of the sample by count which shall be not more than five above the per centum determined by official examination.

Sec. 341.—**Samples, publication of results of examinations.**—Samples of seed shall be taken in duplicate, both samples to be sealed promptly and one to be tendered and, if accepted, to be delivered at the time of taking to the person apparently in charge and a receipt taken therefor, unless refused. The commissioner of agriculture is hereby authorized to publish from time to time the results of seed examination, together with the names and addresses of dealers from whom the samples examined were taken.

Sec. 342. **Provisions concerning actions.**—No action shall be maintained for a violation of any of the provisions of this article if the seed was not sold or exposed for sale; nor shall any such action or any action for the breach of a legal duty or obligation in the sale of agricultural seeds be maintained by the buyer against the seller unless such action is commenced within a reasonable time after the sale and before the sowing or other use of the seeds, nor unless the claim or claims of such buyer are based upon properly drawn samples of such seed from the bulk thereof.

This act shall take effect July first, nineteen hundred and ten.

Canadian Reciprocity

The reduction of duty on articles going into Canada from the United States, under the recent tariff arrangements, affects natural cut flowers, Palms, Pepper plants and Tomato plants.

COLEUS Rooted Cuttings

Verschaffeltii and **Golden Bedder,** 60c. per 100, $5.00 per 1000; extra strong, 2-in., $15.00 per 1000, $1.75 per 100.

PANSIES Strong seedlings from Fall. **Finest Mixed,** also **Five Separate Colors, $2.50 per 1000.**

Cash, please.

RUDOLPH NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

MYRTLE

(Vinca Minor)

I have a fine stock of transplanted, field-grown clumps, $25.00 and $40.00 per 1000.

S. J. GALLOWAY, Eaton, O.

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Pansy Plants

Large plants in bloom, $1.25 per 100, $10.00 per 1000; smaller plants that will bloom soon, at $2.00 per 1000.

DAISIES (Bellis), FORGET-ME-NOT, in bloom, $1.50 per 100, $12.50 per 1000.
CINERARIAS, 4-in., bud and bloom, $6.00 per 100.
STOCKS and DUSTY MILLERS, 2½-in. pots, $2.00 per 100, 200 for $5.00.
CABBAGE PLANTS, ready for field, $1.25 per 1000, 5000 for $5.00.

J. C. SCHMIDT
BRISTOL, PA.

Please mention the Exchange when writing.

READY NOW
250,000
SUPERB STRAIN

PANSIES

Fall transplanted Pansies in bud and bloom. A trial order will convince you that our Superb Strain is the best you have ever handled. $1.25 per 100; $10.00 per 1000. Cash with order.

Leonard Cousins, Jr.
Concord Junction, Mass.
Largest Grower of Field-Grown Pansies in America

Please mention the Exchange when writing.

PANSIES

Fine cold-frame plants, in bud and bloom; $1.50 per 100. Small plants $3.00 per 1000, by mail, 60c. per 100.
PANSY SEED, finest mixture, $1.00 per pkt. of 4000 seeds, $5.00 per oz.
PANSY BLOOM, large and fine, long stems. For Easter; 75c. per 100, $6.00 per 1000. Cash with order.

E. B. JENNINGS, Lock Box 254 **Southport, Conn.**
Grower of the Finest Pansies

Please mention the Exchange when writing.

PANSIES

Brown's Prize Pansies, Fall transplanted, large stocky plants, in bud and bloom. Mixed Colors, in any quantity. 15,000 Giant Yellow with dark eye, $1.25 per 100, $10.00 per 1000. Cash with order.

PETER BROWN, 124 RUBY STREET **Lancaster, Pa.**

Please mention the Exchange when writing.

PANSIES

GIANT EXHIBITION, strong plants in bud and bloom, per 100 $1.00, per 1000 $9.00.
FORGET-ME-NOT, per 100 $1.00, per 1000 $9.00.
DRACAENAS, 5-in., 25c. each.
VINCA Variegata, 4-in. 10c. each.
A full line of Bedding and Vegetable Plants, next month.

J. S. BLOOM, Reigelsville, Pa.

Please mention the Exchange when writing.

THE EXCHANGE—Best Advertising Medium

DREER SPECIALS IN HARDY PERENNIALS

Japanese Anemone.

ANEMONE JAPONICA. Many thousands of well-established pot plants.
Japonica Alba. Large snowy white. Doz. 65c., 100 $6.00.
Japonica Rubra. Beautiful rosy red. Doz. 85c., 100 $6.00.
Elegantissima. Semi-double satiny-rose. Doz. $1.25, 100 $8.00.
Prince Henry. Large double, deep pink. Doz. $1.25, 100 $8.00.
Queen Charlotte. Very large silvery pink. Doz. 85c., 100 $6.00.
Rosea Superba. Delicate silvery rose. Doz. 85c., 100 $6.00.
Whirlwind. Large semi-double, pure white. Doz. 85c., 100 $6.00.

ACHILLEA, BOULE DE NEIGE. A decided improvement over "The Pearl," with flowers one-half larger; a valuable cut flower. Doz. 2.00, 100 $16.00.

ANCHUSA ITALICA, DROPMORE VARIETY (Improved Italian Alkaner). One of the showiest and most useful plants for the mixed border or for planting between shrubbery that we know of; the plant grows from 6 to 6 feet high, producing throughout the season large but graceful spikes of beautiful blue flowers. Doz. $1.60, 100 $10.00.

AQUILEGIAS. A splendid stock of the popular Columbines. All the leading varieties in strong plants. Doz. 85c., 100 $6.00.

ARTEMISIA LACTIFLORA. A new plant, an introduction from China, grows 3 to 4 ft. high, with elegant dark green cut foliage and large spikes of graceful, creamy white, Spiræa-like, light and graceful flowers. Strong plants 30c. each, doz. $3.

HARDY ASTER GRANDIFLORUS. The latest of all to bloom, frequently being in good condition as late as Thanksgiving Day; flowers large, of a dark bluish violet; always attracts attention in our grounds, being the last plant in flower. Strong plants $2.00 per doz., 100 $15.00.

ASTILBE ARENDSI, CERES AND SILVER WHITE. These are the result of crossings between Astilbe Davidii, Japonica compacta, Astilboides and Thunbergii. They are of strong, robust habit, growing from 2½ to 3 ft. high, in much branched panicles; the former with light rose colored flowers, the latter with silvery white flowers. Excellent subject for a semi-shaded moist position. Each 60c., doz. $6.00.

ASTILBE GRANDIS. An introduction from China, growing from 5 to 6 ft. high; the panicles of white flowers range from 2 to 2½ ft. in length. Each 35c., doz. $3.50.

DELPHINIUM BELLADONNA. The freest flowering of all the Delphiniums and the most valuable of any variety for cutting, its beautiful turquoise-blue flowers appeal to all who see it. Plant these early and you will have a continuous display of bloom from June until freezing weather. We offer an exceptionally fine lot of extra heavy one-year-old plants. Doz. $2.00, 100 $16.00, 1000 $125.00.

DELPHINIUM, DREER'S GOLD MEDAL HYBRIDS. Unquestionably the finest strain of mixed hybrids ever offered, being seedlings of one of the best named collections and containing some wonderful varieties. Strong one-year-old plants. Doz. $1.25, 100 $8.00, 1000 $76.00.

DELPHINIUM FORMOSUM. A splendid strain of this favorite and popular dark blue variety. Doz. 85c., 100 $6.00, 1000 $50.00.

GYPSOPHILA PANICULATA FLORE PLENA. We consider this one of the most valuable Summer cut flowers we have a plant which is destined to become a most important subject for cutting. Strong plants, doz. $2.00, 100 $16.00.

HELENIUM, RIVERTON GEM AND RIVERTON BEAUTY. Two splendid perennials of our own originating, the former having flowers of old gold color suffused with terra cotta, changing as they mature to a wall flower red; the latter a pure lemon color with a large disc of purplish black. Doz. $1.60, 100 $10.00.

HEMEROCALIS AURANTIACA, AURANTIACA MAJOR AND FLORIAM. These are the three handsomest forms of the Day Lily, with very large trumpet-shaped yellow flowers. Doz. $1.60, 100 $10.00.

HEUCHERA, FIVE NEW VARIETIES.
Fantasie. Sulphur yellow, tinted green; tips of petals bronzy red.
Grenade. Bright red, tinted carmine; very vigorous.
Pluie de Feu. Bright raspberry-red; very free.
Profusion. Ivory white.
Virginal. Large creamy white.
Each 35c., doz. $3.50.

BEAUTIFUL PALLIDA IRIS.

Pallida Dalmatica. One of the finest of the Germanica type. The plant is of strong habit, growing 4 feet high, with exceptionally large flowers, the standards of a fine lavender, the falls lavender shaded blue; fine for massing. 15c. each, $1.50 per doz., $10.00 per 100.

Pallida Dalmatica Folia Variegata. A variety of above, with the foliage strikingly and conspicuously variegated, with broad bands of creamy-yellow. 35c. each; $3.50 per dozen.

Pallida Dalmatica Folia Argentea Variegata. Identical with the foregoing, except that the variegation instead of being yellow is of a silver white; very pretty. 50c. each, $5.00 per doz.

IRIS SIBIRICA ORIENTALIS, Blue and White. These are among the freest flowering Iris grown; they come into bloom just ahead of the Iris Kaempferi, succeeding on dry or wet ground, are very effective as subjects for the garden and useful for cutting. Strong plants, $1.00 per doz., $7.00 per 100, $60.00 per 1000.

IRIS INTERREGNA.

(Introductions of Goos & Koenemann)

An interesting new type of Iris, the result of crossing Iris Germanica with I. Pumila Hybrida, and for which there promises to be a great future. They flower earlier in the season than the German Iris, and while the flowers are of the most approved and perfect form, they also combine large size with the most beautiful and decided clear colors. The foliage is dwarf and healthy, holding its freshness throughout the season; the flower stems which are about 18 inches high, hold the flowers well above the foliage.

Halfdan. The entire flower is of a pure creamy yellow, of absolutely perfect form.
Helge. Light citron yellow with pearl colored center, a beautiful soft color.
Ingeborg. Both standards and falls are pure white; the flowers are 6 in. deep and have petals 2 in. wide; a grand perfect flower.
Wallhalla. Standards rosy lavender, falls claret red; a most distinct and beautifully formed flower.
Price: Each 50c., doz. $5.00; the set of 4 varieties for $1.75.

Gypsophila paniculata fl. pl.

IRIS PUMILA HYBRIDA, THE BRIDE. This is without question the prettiest dwarf white Iris yet introduced. The flowers which are of ideal form, on first opening are of a creamy white color, changing to pure white as they mature. They are produced on stems from 10 to 12 ins. high, which appear in great profusion early in May. Each 25c., doz. $2.50, 100 $18.00.

TWO HANDSOME NEW LUPINUS

Polyphyllus Moerheimi. The most beautiful variety yet introduced; a combination of light and dark shades of pink difficult to describe and without a trace of magenta. Each 35c., doz. $3.50, 100 $26.00.

Polyphyllus Roseus. A decided improvement on the old variety, immense spikes of showy rosy pink flowers; a desirable acquisition. Each 20c., doz. $2.00, 100 $15.00.

PHLOX DIVARICATA LAPHAMI (Perry's Variety). A wonderfully improved form of the popular Phlox Divaricata, of more robust habit, larger flowers and of a more intense color. Doz. $1.60, 100 $10.00.

Lupinus Moerheimi.

THREE FINE NEW HARDY PHLOX

Selected from a collection of over fifty new varieties of the past two seasons; distinct from all other sorts.

Elizabeth Campbell. Bright salmon-pink with lighter shadings and dark crimson eye; an entirely new and much wanted shade in Phlox.

Frau Anton Buchner. The finest white yet introduced, largest truss as well as individual flower; of dwarf habit.

Rosenberg. Bright reddish violet with blood-red eye; individual flower as large as a silver dollar.

Each 35c., doz. $4.00; one each of the 3 varieties for $1.00.

PRIMULA CORTUSOIDES SIEBOLDI. This Japanese Primrose is not so well known as it deserves, it is not only valuable for the hardy border but will also find ready sale as a pot plant for the window. We offer six distinct varieties, varying from the purest white to deepest rose. Doz. $1.60, 100 $10.00.

RUDBECKIA, RAYS OF GOLD. An improved form of the popular Golden Glow with which it is identical, excepting that it has narrower petals and a fuller center, it is really a refined form of the old variety. Doz. $1.00, 100 $7.00.

Anchusa Italica, Dropmore Variety.

PYRETHRUM HYBRIDUM FLORE PLENA. A fine lot of strong plants in 5-in. pots. Double white, pink and crimson. Doz. $2.50, 100 $18.00.
Choice mixed seedlings, 3-in. pots, doz. $1.00, 100 $7.00.

SEDUM SPECTABILIS, BRILLIANT. Originated with us as a sport from the variety atropurpurea, and is by far the richest colored variety yet introduced, being a bright shade of amaranth-red or dark crimson. Strong plants, doz. $1.60, 100 $10.00.

STOKESIA CYANEA, BLUE AND WHITE. Strong pot grown plants, 4-in. pots. Doz. 85c., 100 $6.00.

SWEET WILLIAM, SUTTON'S GIANT WHITE. Immense trusses of large pure white flowers; splendid for cutting; strong 4-in. pots. Doz. 85c., 100 $6.00.

TRITOMA PFITZERI. A splendid lot of strong plants. Doz. $1.25, 100 $8.00, 1000 $75.00.

SIX CHOICE NEW TROLLIUS.
Goldquelle. Large globular golden yellow.
Gotterfunke. Large, open orange yellow flowers.
Helios. Very free flowering, pure yellow, on strong-branched stems.
Leuchtkugel. One of the finest deep orange reds.
Lichtball. Large, globular orange-yellow flowers on stiff stems.
Salamander. Soft orange colored flowers of globular form.
Ea. 25c., doz. $2.50; the set of six for $1.25.

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1-3 ft. Best varieties and colors

RHODODENDRON MAXIMUM
(The Natives) 2-6 ft. in car lots; fine plant

KOSTER BLUE SPRUCE
4-5 ft. and 5-6 ft.

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Fine plants 2-3 ft. and 3-4½ft.

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Funkia Undulata Fol. Var.

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$4.00 per 100; $35.00 per 1000.
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Just Received From Our Holland Nurseries
Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.
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Hydrangea Alba Grandiflora
The new forcing and garden Hydrangea

500 extra heavy, 24-36 inch, $12.00 per 100.
10 0 very strong, 18-24 inch, $8.00 per 10 .
1000 nice stock, 12-18 inch, $5.00 per 100.
Samples sent at single rate prices, plus 5c. each.

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Japanese or Boston Ivy
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Good Two Year Strong Plants
With Fine Long Tops
Price - - - $9.00 per 100
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In the market for 300 Silver Maples, 1¾-inch caliper, 12-14 feet high; 100 Norway Maples, 1¾-inch caliper, 12-14 feet high; 100 Sugar Maples, 1¾-inch caliper, 12-14 feet high.
Must be clean, straight trees, with good heads.
Write full particulars and prices at once.
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ELMS, American and European Stock. 4-in to 6-in. diameter, 18 to 25 feet in height.
TSUGA Canadensis, 5 to 9 feet.
PICEA Excelsa, 5 to 10 feet.
PICEA Pungens Glauca, good blue color, 5 to 8 feet.
THUYA Occidentalis, 6 to 10 feet.
All above stock well grown and transplanted.
The soil lifts in a ball.

Extra large plants of general variety of Shrubs, too numerous to list here.
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Strong, one year old planting canes, just right for present planting.
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Standard—Tree Box—Pyramidal
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100 Acres of Nursery. Ask for quotations upon your own list of wants.
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10 Seedling Peony Roots
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GEORGE HOLLIS, Peony Specialist
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New Rose
American Pillar

NO Climbing Rose is attracting the attention that "American Pillar" does, and most deservedly so. It is by far the best single-flowered climbing rose for outside purposes; and on account of the great durability of its flowers, it is the best single-flowered forcing rose.

July 12, 1909.
Gentlemen:
Let me tell you, too, that the American Pillar is a better Rose than you know, perhaps. The plant I had from you, which was planted this Spring under unfavorable conditions, is now giving us a succession of most exquisite bloom.
Yours truly,
J. HORACE McFARLAND,
Pres. of American Civic Association, Harrisburg, Penna.

COMMENT FROM THE LONDON GARDEN

"A most notable feature in this glorious display (Temple Flower Show in London) was the New 'American Pillar' Rose. The large and attractive rich rose pink blooms are produced in immense clusters, the white centers of the blooms adding to their attractiveness. —Florists' Exchange.

2½-inch pot plants, $1.50 per dozen, $8.00 per 100, $75.00 per 1000.
4-inch pot plants, $3.50 per dozen, $25.00 per 100.

The Conard & Jones Co.
WEST GROVE, PA.

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TREES AND PLANTS
Of every kind and description, in wholesale quantities
Trade list now ready
F. & F. NURSERIES, Springfield, New Jersey

STOCK FOR FLORISTS

ROSES for forcing—Hybrid Perpetuals and Ramblers, all the best ones: fine, strong stuff
CLEMATIS, AMPELOPSIS, TREE HYDRANGEAS and LILACS, SHRUBS, VINES and PERENNIALS. Write for prices.
Jackson & Perkins Co., Newark, (Near Rochester) New York
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A. T. DE LA MARE PTG. & PUB. CO. Ltd., 2 to 8 Duane Street, New York

NORTHERN GROWN NURSERY STOCK
We Grow a General Assortment of
Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.
Prices Reasonable. Wholesale Trade List for the Asking
THE BAY STATE NURSERIES, North Abington, Mass.

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AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-president; John Hall, Rochester, N. Y., Secretary; C. L. Yatee, Rochester, N. Y., treasurer.

American Association of Nurserymen

The 35th annual convention of this body is scheduled to be held at Denver, Col., June 8, 9 and 10. Headquarters, The Brown Palace Hotel.

The secretary of the Association is John Hall, 201 Granite Bldg., Rochester, N. Y. That gentleman has been unable to obtain special rates from the railroads, but is informed that delegates will be enabled to avail themselves of the Summer Tourist Rates which go into effect June 1, with return limit to Oct. 31. Delegates can obtain these rates from their nearest large city on application. The Rochester nurserymen are chartering a special car from Rochester; we presume Easterners can join that party.

The hotel rates are as follows: European plan, rooms without bath: One person, $2; two persons in one room, $3.

Rooms with bath: One person, $2.50 or $3; two persons, $4 or $5. Application for rooms should be made now.

Exhibitors should address at once, E. P. Bernardin, Parsons, Kans., chairman of committee on exhibits.

We are advised by J. W. Hill, chairman of committee on program, that the following gentlemen will appear on the program of the Denver Convention: E. S. Osborne, Rochester, N. Y.; Jas. M. Irvine, St. Joseph, Mo.; Professor C. P. Gillette, Fort Collins, Colo.; Professor W. L. Howard, Columbia, Mo.; Vice-Pres. E. A. Smith, Lake City, Minn.; W. N. Scarff, New Carlisle, O.; A. Willis, Ottawa, Kan.; Professor John Craig, Ithaca, N. Y.; A. B. Morey, Dansville, N. Y.; C. S. Harrison, York, Neb.; E. W. Kirkpatrick, McKinney, Texas; W. H. Stark, Louisiana, Mo.; H. W. Marshall, Arlington, Neb.; George H. Whiting, Yankton, So. Dak.; J. R. Mayhew, Waxahachie, Texas; Professor E. P. Taylor, Columbia, Mo.; Peter Youngers, Geneva, Neb.; E. M. Sherman, Charles City, Iowa.

WELLSBORO, PA.—The Asaph State Nursery is, it is understood, to be increased to 20 acres.

KENNEWICK, WASH.—The Vanholderbeck Nursery Co. has purchased 80 acres in Kennewick Highlands and will plant them with nursery stock this year.

KINCAID, KANS.—C. P. Tompkins of Kansas City has purchased the Kincaid Nursery, and is preparing to locate here within a few weeks.

Beauty of Viburnum tomentosum

The Snowball type of Viburnums make such a great display when in flower that the other species with small, perfect blossoms appear insignificant alongside of them. They make up for this, however, in their display of ripe berries in Autumn. But in the Japanese type there is one, not a Snowball kind, which merits the prominent position it occupies as a flowering shrub—this is Viburnum tomentosum. In company with all Viburnums its flowers are white. They are large, so are the whole bunches, so that when in flower, in May or June, it is decidedly attractive.

The habit of growth of this shrub is peculiar. It has not the upright character of many Viburnums, instead the branches are but little above the horizontal, so that the shrub has an almost flat appearance at the top. It has leaves opposite on the stems, and the flower heads come in pairs, one in the axil of each leaf, being the same order of arrangement as in the well-known Japanese Snowball. It is not only a beautiful flowering shrub but unlike any other one in both flowers and habit of growth, so that, as it is not yet common in collections, it always excites curiosity when one first observes it.

The Star Magnolia

The Easter plants of Magnolia stellata which find their way to purchasers' hands are usually planted to become permanent lawn specimens. As their flowering is over for this season the next blooms will not be expected until another year has passed, but careful planting and good soil if given them will do much towards producing growth to bear next year's crop. Hardly too much can be said for this beautiful Magnolia. It is not only the first to display its flowers in Spring, but these flowers are treasures. Pink in the bud they are white when fully open, are sweet scented and semi-double. Then again, it is always floriferous, even from its youngest years. A little one year layer, well rooted, will flower, and ever after as it grows it will never fail to bear a crop of flowers. Unlike many, or most other kinds, its growth is bushy from the start. A little one, 2 or 3 ft. high, will always be as wide as high, and usually bears 25 to 50 flowers. It is the earliest of all Magnolias to open its flowers. This season, March being very warm, many plants were in bloom the latter part of that month. Sometimes late frosts catch it because of its earliness, but being of dwarf, bushy nature it is not difficult to place a mat or burlap over it should occasion call for it. Every garden should contain this leading Magnolia.

Embellishing Old Trees

Besides the great use of vines in other ways, their presence clothing the trunks and tops of old trees is nearly always pleasing. Not quite could it be said *always* pleasing, for sometimes one sees a beautiful tree becoming destroyed by the foliage of a vine overshadowing it. This is something that must not be permitted, because foliage that is hidden from sun and air by that of other trees, or of vines, is sure to die, if too densely hidden. But a tree clothed with vine, covering such portions of it as represent the trunk and limbs or dead parts, is rejuvenated, as it were, becoming again a thing of beauty and, sometimes, even prettier than it was before.

The mistake is made, occasionally, of planting vines close to large trees. There is little good food there, and often the soil is dry and hard. A better way is to get vines with long shoots, say 2 or 3 ft. long, then plant them nearly the length of the shoots from the trunk, carrying them underground to the tree. The roots have a better chance when 3 ft. or so away, and in time the parts of the shoots buried will make roots, all a help toward sustaining the vines.

It does not always need to be a self-climbing vine, such as the Virginia Creeper, for trees; almost any vine will find its way if given a little help at the start. For instance, a Wistaria, a Clematis, a Grape, a Passion Vine, or a Gelsemium, will mount little by little and will find its way to the topmost branches in time, some by twisting of their stems, others, like the Clematis, by kinking their leaf stalks. Those who overlook planting such vines in early Spring can use pot plants in Summer, and with full success.

Eriobotrya Japonica

The success which a few persons have had in wintering outdoors such evergreens as Cerasus Caroliniana, Photinia serrulata, Ligustrum lucidum and some other evergreens usually not considered hardy in the vicinity of Philadelphia, has led to the trial with the Eriobotrya Japonica, called the Loquat Tree and the Japan Plum, and it has been successful in the hands of one party, at least. This evergreen is a native of China and Japan, and is much planted in the southern States as well as in California. It is valued in many ways. In the first place the tree itself is ornamental with its large, glossy green, crumpled leaves. Add to this its clusters of yellowish white flowers, followed by its "plums" as its fruit is called. So far, aside from the trials of its hardiness mentioned, it is seen here as a decorative tub plant, occupying a place on the lawn in Summer and in the conservatory in Winter. When so grown its flowers come soon after housing it in October, its golden yellow fruit ripening in early Spring.

What this evergreen wants, when wintered outside, is to be where shelter of some kind is available. This shelter can come from large trees, slopes of hills, buildings, etc. There is no use in setting a plant not over hardy in a position by itself. A native evergreen will often die when so planted. It needs groups of trees together, one to help the other, or in some other way a shield from the ills which Winter brings to all but the hardiest of trees.

Sour Orange Stocks

Sour Orange stocks which nurserymen sometime have calls for are the product of seedling Oranges, wild Oranges as many call them. After the great freeze in Florida some years ago, which killed the Oranges to their bases, the most of them sprouted again from the ground below the budded part, and the owners, despondent over the results, never budded them afresh, and these now give what are called sour Oranges. The seeds of these are used for raising stocks on which to bud valuable kinds, most all kinds doing well on it, excepting the favorite sort, Satsuma, which has a decided preference for the Citrus trifoliata stock. The latter stock, trifoliata, answers well for nearly all kinds of Oranges, dwarfing them a little; and being hardier than any other is thought to pass this tendency to the less hardy sort budded on it.

The introduction of the hardy sort, C. trifoliata, has encouraged hopes that hybridization will give us a seedling from it at some time as hardy as it, and with a fruit that can be eaten, as it is hardy to New York City, and perhaps farther, what a boon a hardy edible Orange of this character would be!

Double-Flowered Horse-chestnut

The double-flowered Horse-chestnut in collections is a variety of the European one, Æsculus hippocastanum, and is known as the double white. In some lists one is found called double red, but there is no double red in cultivation that any one can place. Unless a sport in color as well as in being double flowered, a double red should belong to the Æsculus rubicunda, which would indeed be a valuable variety. As it is now, with its single flowers, it is a great beauty, and when in the cooler and moister climate of England it is more beautiful than it is here.

These double-flowered trees are in some respects better than the single ones, the flowers are more enduring.

The red-flowered Horse-chestnut does not make as large a tree as the common one, Hippocastanum, and its leaves are of a dark, lustrous green. Its origin is somewhat obscure; some think it is of hybrid origin, and that its lustrous foliage shows some connection with the Pavia rubra.

All varieties of Horse-chestnuts may be increased by budding them on the common stock, doing it in Summer, before the sap has ceased running strongly.

Clerodendron trichotomum

Charles C. Nash's Small Fruits

Plants shipped by mail or express, all carriage charges prepaid.
Every order guaranteed to arrive in fresh condition. Certificate of Inspection with each shipment.

Raspberry Plants

Black Caps: Kansas, Cumberland, Palmer, Ohio, Conrath, 40c. per doz., prepaid. Red Varieties: Queen, Miller, Turner, King, Columbian, 35c. per doz., prepaid.

Blackberry Plants

Taylor, Snyder, Triumph, Iceberg, White Blackberry, 50c. per doz., prepaid. Kenoyer, Blowers, Ward, 75c. per doz., prepaid.

Currant Bushes

Pomona, North Star, White Grape, 75c. per doz., prepaid. Perfection, $1.50 per doz., prepaid.

Gooseberry Plants

Downing, Houghton, Josselyn, Smith, $1.25 per doz., prepaid.

Strawberry Plants

Senator Dunlop and Warfield's, 25c. per 25; 55c. per 100, prepaid.

Grape Vines

Moore's Early, Brighton, Concord, Diamond, Delaware, Worden, Lindley, Wilder, Agawam, Niagara, Catawba, Vergennes, $1.00 per doz., prepaid. Campbell's Early, Lutie, $1.50 per doz., prepaid.

Carolina Poplar Trees

Small size, straight whips, 1 year trees, 50c. doz., prepaid.

Norway Maple Tree Seed

Fresh gathered, Fall, 1909, 20c. per lb., prepaid.

Charles C. Nash, KALAMAZOO, MICH.

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HOLLANDIA NURSERIES
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Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties

Catalogue free on demand.

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August Haerens

Somergem, Belgium

Special grower of High-Grade and new AZALEAS, KENTIAS, ARAUCARIAS, BAYS, etc.

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AMPELOPSIS VEITCHII

Fine, well rooted, one year plants, 18 to 24 inches; 50, by mail, $2.00; 100, by express, $3.00; 1000, $25.00. Plants in cellar.
ASPARAGUS ROOTS for Spring, extra strong, 2 year plants, $1.00 per 100; $4.00 per 1000. 3 years, $1.25 per 100; $5.00 per 1000. They will please.

CHARLES BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

LIST OF 200 ROSES

Bumper crops for Spring delivery.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO

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ROSES From 2-inch pots at Rose Lawn Greenhouses

Richmond, $3.00 per 100.
Kaiserin, $3.50 per 100.
My Maryland, $6.00 per 100.
White Killarney, $8.00 per 100.
CASH WITH ORDER

Address **J. Henry Bartram, Lansdowne, Pa.**

Please mention the Exchange when writing.

50,000 CALIFORNIA PRIVET, fine 1-year-old stock, 18 to 24 in., $2.00 per 100, $15.00 per 1000; 24 to 30 in., $2.50 per 100, $20.00 per 1000. Special prices in 5000 lots to dealers, all No. 1 stock. 5,000 extra strong AMPELOPSIS Veitchii. Field grown vines, live tops and roots, now in cellar. $4.00 per 100, 500 at $3.50 per 100. P. S. 25,000 Canna Roots.

BENJ. CONNELL, Florist, **Merchantville, N. J.**

Please mention the Exchange when writing.

CALIFORNIA PRIVET

500,000 2-yr. plants, with 12 to 20 branches; have been transplanted once and cut back 2 yrs.; $4.00 per 100, $37.50 per 1000, packed. Will make a good close hedge at once. 500,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr.; $3.00 per 100, $27.50 per 1000, packed. 1-yr. plants 12 to 18 in., well branched, $2.00 per 100, $17.50 per 1000, packed. 500 at 1000 rates. Cash with order.

JOHN BENNETT, Atlantic Highlands, N. J.

Please mention the Exchange when writing.

WE ARE SHIPPING California Privet

100,000 still on hand. Order early before they are all gone

I make special prices on orders from this Easter issue, in large lots. Let me know at once about how many and the sizes you desire. Every one knows my stock is strictly No. 1, well graded; a sample order of 1000 will prove it.

Call and look it over.

CARLMAN RIBSAM, 31 Wall St., Trenton, N. J.
Nursery, Hamilton Ave.

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California Privet

See our prices on small lots in classified advertisements.

For large orders in carload lots we can do better, and will ship you 10,000 18 to 24 inch, 4 to 6 branches, in bulk in car, for **$100.00.** Cash with order. Other sizes in proportion.

Jos. H. Black, Son & Co.
Hightstown, N. J.

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Amoor River Privet

350,000 All Sizes

6 to 20 inch, well rooted; transplanting size, $10 per 1000; 12 to 18 inch, $15.00 per 1000; 18 to 24 inch, $20.00 per 1000; 24 to 30 inch, heavy, $25.00 per 1000; 30 to 36 inch, heavy, $30.00 per 1000. All sizes, except the transplanting, are well branched. Packed and delivered f.o.b., for cash with order.

VALDESIAN NURSERIES
Bostic Department, BOSTIC, N. C.

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Pink Climbing Rose—Dorothy Perkins

Without doubt the most valuable of all the new Climbing Roses of comparatively recent introduction. The beauty of the double pink flowers is admirably set off by the rich green foliage, which is free from the attacks of insects.

In addition to this charming kind, we have all the popular varieties in climbing and bush Roses. Our General Catalogue, which will be mailed on request, contains descriptions of all the best Roses—also

Fruit and Ornamental Trees, Shrubs and Hardy Plants.

ELLWANGER & BARRY,
Mount Hope Nurseries. Rochester, N. Y.

Please mention the Exchange when writing.

A splendid lot of

1000 Hybrid Rhododendrons

Bushy plants, 20 to 24 inches, covered with buds; they consist of the choicest hardy varieties, such as Parsons' Grandiflorum, Annie Parsons, Everestianum, Album elegans, Roseum elegans, Purpureum elegans, etc.

$10.00 per dozen; $75.00 per 100.

J. T. LOVETT, Little Silver, N. J.

Please mention the Exchange when writing.

CALIFORNIA PRIVET

IN LARGE QUANTITIES

See our wholesale list for sizes and prices

200,000 California Privet Cuttings

Poplars

Lombardy and Carolina
of all sizes

50,000 CLEMATIS PANICULATA, VIBURNUM PLICATUM
of all sizes

Roses

Crimson Ramblers
Dorothy Perkins
Philadelphia Ramblers
Soliel d'Or
Persian Yellow

Also other varieties. See list for prices.

THE ELIZABETH NURSERY CO., ELIZABETH, N. J.

Dianthus, Sweet William and Hardy Pinks

A fine assortment of strong plants, from 2¼-inch pots, at **$3.00** per **100.**

F. O. B. our shipping point, Trenton, N. J.

200 SWEET WILLIAM—Single, red and white.
700 " " —Everblooming hybrid, Dianthus atrococcineus, fl. pl.
200 " " —Single, crimson.
1400 " " —Single, white.
1000 " " —Maroon.
200 HARDY PINKS—Dianthus plumarius sempervirens.
400 " " —Single, mixed.

The Wm. H. Moon Co., Morrisville, Pa.

Please mention the Exchange when writing.

BERBERIS THUNBERGII

Bushy Plants, 18 to 24 inches at $9.00 per 100; 12 to 18 inches, at $6.00 per 100.

Seedlings, 3 to 5 inches, $3.00 per 1000, with 6-in. roots; 2 to 3 inches, $5.00 per 1000, with 6-in. roots.

CAROLINA POPLARS

2 years, clean and smooth, nicely branched.
10 to 12 ft. .....$15.00 per 100
8 to 10 ft. ..... 10.00 per 100
7 to 8 ft. ..... 8.00 per 100

LOMBARDY POPLARS

Low branched.
7 to 9 ft. .....$10.00 per 100
6 to 7 ft. ..... 8.00 per 100

NORWAY SPRUCE

Several times transplanted.
3 to 4 ft. .....$30.00 per 100
2 to 3 ft. ..... 8.00 per 100
18 to 24 in. ..... 6.00 per 100

ARBOR VITAE

Transplanted.
3 to 4 ft. .....$40.00 per 100
2 to 3 ft. ..... 8.00 per 100

CALIFORNIA PRIVET

2 yr. cut back, extra heavy.

	100	1000
3 to 4 ft.	$4.00	$35.00
No. 1, 3 to 4 ft.	3.00	30.00

This is the best stock GOOD GROWING can produce.

C. R. BURR & CO.
The Burr Nurseries
MANCHESTER, CONN.

Please mention the Exchange when writing.

GRAFTED ROSES

We have an exceptionally fine stock of grafted plants, strong, clean and healthy

	Per 100	Per 1000
White Killarney, My Maryland, Kaiserin, Bride, Bridesmaid, 2½-inch pots	$15.00	$120.00
OWN ROOT STOCK, NOW READY		
White Killarney, 2½-inch pots	8.00	75.00
Kaiserin, Carnot, W. R. Smith and President Taft, 2½-inch pots	5.00	40.00

S. J. REUTER & SON, Inc., Westerly, R. I.

Please mention the Exchange when writing.

A Rose for Every Greenhouse

GRAFTED ROSES

WHITE KILLARNEY, MY MARYLAND, PINK KILLARNEY, RICHMOND

Rose Pots .....$15.00 per 100
3½-inch Pots .....$18.00 per 100

BRIDES, BRIDESMAIDS, GOLDEN GATES, LA FRANCE, KAISERIN

Rose Pots .....$10.00 per 100
3½-inch Pots .....$15.00 per 100

OWN ROOT ROSES

WHITE KILLARNEY, MY MARYLAND, RICHMOND, PINK KILLARNEY, AMERICAN BEAUTY

3-inch Pots .....$9.00 per 100
4-inch Pots .....$12.00 per 100

BRIDES, BRIDESMAIDS, PERLES, SUNRISE, GOLDEN GATES, CHATENAY, KAISERIN

3-inch Pots .....$7.00 per 100
4-inch Pots .....$10.00 per 100

We will have large quantities of White Killarney and American Beauty Rose plants of the best quality for Spring Delivery.

Verbena and Coleus cuttings and plants ready for shipment.

Send for circulars.

J. L. DILLON, Bloomsburg, Pa.

New Seedling Rose

Radiance

A seedling from Cardinal, a brilliant rosy carmine with opaline tints in the open flower. The form is fine, large, with cupped petals, bud long, brilliant, radiant, with extra long stems, a constant bloomer, fragrant, foliage abundant and of splendid substance.

2½-inch pots, $18.00 per 100; ready for delivery in April and May

CASH OR SATISFACTORY REFERENCE

JOHN COOK, 318 North Charles St. BALTIMORE, MD.

Please mention the Exchange when writing.

ALMA NURSERIES, Oudenbosch, Holland

NURSERIES AT OUDENBOSCH AND BOSKOOP

Proprietors { U. J. Heerma Van Voss, H. A. M. Swellengrebel.

Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.

Large stock of **Ornamental Trees** and **Shrubs, Conifers, Evergreens,** etc. First-class stock only. Prices reasonable.

Sole American Agent:

J. MEERKAMP VAN EMBDEN, JR. Mount Vernon, N. Y.

Ask for our General Catalogue and special offer.

Please mention the Exchange when writing.

Lexington, Ky.

Easter this year was the best ever and most of the florists were cleaned out of everything. Lilies were, of course, the best sellers and some stores could have sold more, both cut and pot plants. Azaleas, Hydrangens, Spiræas, Rhododendrons, Genistas and Roses in pots, such as Baby Ramblers, Dorothy Perkins and Crimson Ramblers were good sellers. Pots and pans of bulbous stock such as Tulips, Daffodils, Hyacinths and Paperwhite Narcissus were also good sellers and great quantities were sold at good prices. Some good Lilacs were also seen in the downtown stores on Main st.

There was an excellent demand for cut flowers and the Roses here were never so good before. Carnations, Violets, Sweet Peas, Tulips, Daffodils, Paperwhite Narcissus, Snapdragons and cut Lilies were disposed of in great quantities at good prices. The prices realized were as follows: Roses, from $2 per doz. up; Carnations, $1 and $1.50 per doz.; Violets $2 and $2.50 per 100; Bulb stock sold well at from 50c. to $1 per doz.; cut Lilies sold for $3 per doz.

The weather was ideal, warm and Summer-like. The delivery boys had everything delivered in ample time.

J. A. Keller reports cleaning up everything and says he could have sold more Lilies. He had an exceptionally fine lot of plants and cut flowers. His heaviest cut was Carnations. Several thousand Violets were also cut at the greenhouses and sold for $2 and $2.50 per 100.

Honaker, the Florist, on Main st., had an excellent lot of plants and cut flowers and it is reported that he did an excellent business in both.

The Michler Bros. Co., on East Maxwell st., did a good plant business. They had quite a nice lot of stock this year.

Anderson & White, the lady florists on Georgetown st., had their share of the business and they say they are well pleased.

S. S. Kelley, in Clifton Heights, did a good business and is now very busy with Spring stock, of which he makes a specialty. Mr. Kelley also grows Carnations and has been cutting some first-class flowers all the season. There have been a great many deaths here this Winter and funeral work has been plentiful with all the florists.

Oliver Hancock, formerly of Columbus, O., is now with Honaker at the greenhouses on North Jackson st.

Louis D. Singer, formerly plantsman with J. A. Keller, this city, but now in business for himself at Thorn Hill, near Frankfort, Ky., was a recent visitor here and says he is doing much better than he expected at the start. Mr. Singer is a hustler and will no doubt succeed in his new field. He reports several funeral orders of late.

Otto Heberling of the Georgetown Floral Co., Georgetown, Ky., was also a recent visitor here. Mr. Heberling says he has been cutting this Winter the best Roses and Carnations he has ever grown. Most of his cut goes to Cincinnati and this market.

All the florists are now very busy with Spring stock, and look for a good business.

The weather here is very warm and Summer-like. The past March was the warmest on record here.

LEXINGTONIAN.

Augusta, Ga.

Ideal Spring weather is experienced in Augusta; flowers are plentiful indoors and outdoors, the woods full of Dogwood and Jessamines, and the town full of tourists, all delighted.

The florists all report better trade than ever. Balk's Nursery was kept very busy all Easter week; they were in full crop with Bride, Killarney and Beauty and Richmond Roses. Their Easter flowers were on time and of a superior quality. Spiræas, Azaleas, Hyacinths and Easter Lilies all sold well; 800 Easter Lilies were sold on the Saturday, which is a record-breaker. Prices on Lilies were from 50c. to $2 per plant.

HENRY W. T. BALK.

Firms Who are Building

FLORENCE, S. C.—DeWitt House is planning to build a new greenhouse to cost about $4000.

LA FAYETTE, IND.—H. Roth is shortly to increase his greenhouse establishment, practically doubling it.

BALLSTON SPA, N. Y.—Richard Schafer, who has been employed for nearly 15 years at the High st. greenhouses has decided to erect greenhouses for himself on Church ave.

Grafted Roses

	100	1000
Bridesmaid	$12.00	$120.00
Killarney	12.00	120.00
W. Killarney	12.00	120.00
My Maryland	12.00	120.00
Bride	12.00	120.00

Rooted Carnation Cuttings

	100	1000
White Perfection	$2.50	$20.00
Enchantress	2.50	20.00
Lady Bountiful	2.00	15.00
Winsor	2.50	20.00
Victory	2.50	20.00
Mrs. Patten	2.50	20.00
May Naylor	2.00	15.00
Harry Fenn	2.00	15.00

One of our customers writes us:

"Carnation cuttings arrived in fine shape. We regret not placing a much larger order with you as much of the stock received from some other growers was so very poor."

EDWARD J. TAYLOR, Green's Farms, Conn.

"FLOWER OF FAIRFIELD"

THE "EVERBLOOMING CRIMSON RAMBLER"

The best Climbing Rose in the market, flowering during the whole Summer in large clusters of finest crimson color.

Prices for first rate plants with 3 to 6 shoots, open ground grown, $11.00 per 100, $100.00 per 1000.

Extra strong plants, with 5 and more branches at $15.00 per 100.

Package free, cash with order only.

SCHULTHEIS BROS., The "Old" Rose Gardens, at Steinfurth, near Bad-Nauheim, GERMANY

Please mention the Exchange when writing.

DECORATION DAY ROSES

Rose Frau Karl Druschki

Hardy Hybrid Roses

We offer extra-strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name:

Price, 75c. for 5 (of one variety), $12.00 per 100, $110.00 per 1,000 (immediate delivery)

Abel Carriere. Crimson.
Alfred Colomb. Carmine-crimson.
Anne de Diesbach. Bright carmine.
Ball of Snow (Boule de Neige). Pure white.
Baron de Bonstetten. Blackish crimson.
Baroness Rothschild. Satiny pink.
Capt. Christy. Flesh color.
Clio. Satin blush.
Duke of Connaught. Rosy crimson.
Duke of Edinburgh. Bright vermilion.
Eugene Verdier. Crimson-violet.
Fisher Holmes. Dark crimson.
Frau Karl Druschki. The finest white.
Gloire de Margottin. Dazzling red.
Gen. Jacqueminot. Brilliant crimson.
John Hopper. Bright rose.
La France. Pink.
Mme. Charles Wood. Bright carmine.
Margaret Dickson. White, with pale flesh.
Marshall P. Wilder. Cherry-rose.
Magna Charta. Dark pink.
Mme. Gabriel Luizet. Satiny pink.
Mrs. John Laing. Satiny pink.
Paul Neyron. Dark pink.
Perle des Blanches. White.
Persian Yellow. Yellow.
Prince Camille de Rohan. Dark crimson.
Ulrich Brunner. Cherry-red.

For prices see above

Baby Rambler Roses

BABY DOROTHY. The same in habit as Baby Rambler, but the color of the flowers is similar to Dorothy Perkins. It makes an excellent pot plant for forcing. Price for strong, field-grown plants, 85c. for 5, $16.00 per 100.

CATHERINE SEIMETH. A White Baby Rambler Rose, larger and better flowers than the type. White with yellowish center. 85c. for 5, $15.00 per 100.

MRS. WM. H. CUTBUSH. Color intense crimson and exceptionally free-flowering. 85c. for 5, $15.00 per 100.

MME. NORBERT LEVAVASSEUR (Baby Rambler). Strong, field-grown plants. 85c. for 5, $15.00 per 100.

THE TREE BABY RAMBLER. (Grown as a Standard.) The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. 40c. each, $3.75 for 10, $35.00 per 100.

BABY DOROTHY. (Grown as a Standard.) For description, see above. 75c. each, $6.25 for 10, $60.00 per 100.

Something New in Roses for Florists
Half Standard Baby Ramblers

These are Baby Ramblers, grown on stems or standards about one and half feet high, and will be a novelty for your trade you cannot profitably overlook. They are offered for the first time in this country in the following varieties:

BABY DOROTHY (Half standard). Deep pink. 60c. each, $6.00 per doz., $45.00 per 100.

BABY RAMBLER (Half standard). Crimson. 45c. each, $4.50 per doz., $35.00 per 100.

BABY CATHERINE SEIMETH (Half standard). White. 45c. each, $4.50 per doz., $35.00 per 100.

BABY "STARS and STRIPES" (Half standard). White and red grafted on the same plant; most attractive. 50c. each, $5.00 per doz., $40.00 per 100.

Ramblers and Other Climbing Roses

PAUL'S CARMINE PILLAR. Flowers large and free; color rosy carmine. Two-year-old, field grown. 85c. for 5, $15.00 per 100.

CRIMSON RAMBLER. American Grown. The only stock for forcing. Large heavy plants, two years old, mossed and packed in bundles of 10, 3 to 4 feet, $1.25 for 10, $12.00 per 100; 4 to 5 feet, $1.75 for 10, $15.00 per 100; 5 to 6 feet, extra heavy, $2.25 for 10, $20.00 per 100.

DOROTHY PERKINS. Lovely shell-pink color. $1.25 for 10, $12.00 per 100.

TAUSENDSCHON. The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. $2.25 for 10, $20.00 per 100.

Flower of Fairfield — The Everblooming Crimson Rambler

This variety is a sport from the beautiful Crimson Rambler, is similar in color, more brilliant and lasting than the old favorite. It also possesses the further advantage over the Crimson Rambler in the fact that it flowers profusely on the young wood the first year. Flower of Fairfield is a vigorous grower and free bloomer. It starts to bloom early in the Spring and continues until late in the Autumn. It is rightly termed "perpetual blooming." 40c. each, $3.50 for 10, $30.00 per 100.

Veilchenblau (Violet-Blue)

It has long been the desire of rosarians to secure a blue Rose. In Veilchenblau we have practically approached this color. The steel-blue flowers of this new Rose appear in large clusters, are semi-double, of medium size and keep in bloom a long time. The showy yellow stamens contrasting with the blue flower, give the whole a striking appearance. 60c. each, $5.75 for 10, $55.00 per 100.

ARTHUR T. BODDINGTON

Seedsman 342 West 14th St., NEW YORK CITY, N.Y.

Please mention the Exchange when writing.

Indianapolis

The owners' section in the automobile flower parade in this city last week embraced some thirty finely decorated cars. The outcome was a pronounced success as the streets were thronged and the local press enthusiastic over the event. A large touring car of artificial Chrysanthemums carried off the honors in the dealer's section, while a gunboat decorated with natural Am. Beauty Roses received first premium in the unique section. Some eight or ten cars of natural flowers were contestants in the owners' division. A beautiful auto of Harrisii Lilies, decorated by the Bertermann Bros. Co., received first premium and a second equally beautiful one of Carnations and American Beauty Roses, decorated by A. Wiegand & Sons, received second premium.

It is the wish of the committee in charge to have another such event next year in which separate classes for the natural and artificial flowers are to be provided. Both classes labored under handicaps in the present event as the artificial floats and cars could be arranged at leisure and the natural only at the last moment, and again the artificial flowers stood but a small show in contrast with the real article with artistic effects upon the same basis.

W. W. Coles of Kokomo was prominent in the Scottish Rite events in this city last week; he was also an enthusiastic witness of the auto parade.

J. J. Karins of Philadelphia visited the trade and reported a good business.

John Heidenreich has a nice new auto.

Mr. Wm. Humfeld of the Muncie Floral Co., visited Indianapolis on a shopping expedition; he is opening a new store in his city and is on the lookout for all that is necessary in connection therewith.

Mr. Hughes of Zanesville, O., called on the shopmen while en route to the West.

Adam Heim of Connersville was showing his Carnation supports to the growers last week.

John Evans walked off with several orders for ventilating machines in his pocket and says business in his line is excellent.

Mr. Chase of the Chase Nursery Co., Huntsville, Ala., is developing new territory in Indiana for his firm. I. B.

St. Louis

Since Easter the trade among the florists has not been any too brisk, though there should be a number of busy days for them this month as several big weddings have been announced in society.

Miss Edith Ostertag was married last week to John W. Doedie. Miss Ostertag is the daughter of Henry C. Ostertag of the firm of Ostertag Bros., and is well known in the trade, having been with her father in the store for some time.

The florists of the East Side, Miss M. Schuell and Aug. Nuring, say they did a fine business for Easter and that plants sold especially well in all varieties.

Geo. Walbart, Mrs. M. M. Ayers and other florists along Grand ave., have restocked their show houses since Easter and things are beginning to look natural again.

A. Brix reports that he is glad he had his greenhouses back in time for Easter as they brought him in quite a lot of fine blooming plants and cut flowers to his St. Louis ave. store.

C. Young & Sons Co. at 1406 Olive st. are showing a fine lot of blooming bulbous plants in their big show windows. Their seed, plant and cut flower departments have been busy since the Easter rush. Their shipping trade has been very large of late.

There will be quite a number of important meetings interesting to florists next week. The St. Louis Florists' Club will hold its regular monthly meeting Thursday afternoon, April 14, at 2 o'clock. A general review of the Easter business will be an interesting function.

The Executive Board of the St. Louis Hort. Society will meet and talk over the possibility of holding a Fall Flower Show again in the big Coliseum building.

The Lady Florists' Home Circle will meet on Monday afternoon, April 11, at the same place the last one was held. The secretary announces that Miss B. Meinhardt will have something interesting for the members.

The Retail Florists' Association will also hold its meeting next week at the Washington Hotel; the usual notices will be sent out by Secretary F. C. Weber, Jr. There is some important business to be worked over at the meeting.

ST. PATRICK.

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The Merits of

APHINE

will again be publicly exploited at a demonstration before the Nassau County Horticultural Society, at Pembroke Hall, Glen Cove, L. I., Wednesday afternoon, April 13th, from three to six o'clock.

We are anxious to have a large collection of insect-infested plants submitted at this test, so that we can decisively demonstrate the wonderful merits of this new insecticide

APHINE

You are cordially invited.

Aphine Manufacturing Company

Madison, N. J.

Please mention the Exchange when writing.

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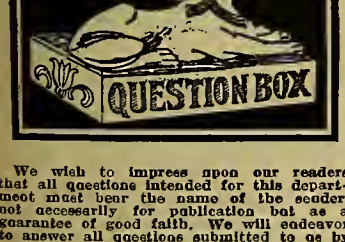

We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(96) **Mother's Day.**—This comes on the second Sunday in May which, this year, is May 8. On that day everyone is expected to wear a white Carnation.

(97) **Fluid Putty.**—What can I mix with putty to make it fluid so that it can be run on with a bulb? I have used white lead and oil, but do not like it as it gets so hard when dry. We have a lot of putty on hand we would like to use the coming Summer in repairing and would like to put it on with a putty bulb."—S. H. M., Ore.

—The best way to prepare the putty for this purpose would be to reduce it to the desired consistency with linseed oil, but it will need thorough mixing in order to grind up all the lumps, else there will be trouble from the clogging of the putty bulb when the application is made. W. H. T.

(98) **Repotting Hydrangeas in Bud.**—Will it be any benefit to repot Hydrangeas that are in 4-in. pots and show buds? They have one to three heads to the pot.—F. B., Pa.

—The Hydrangeas are quite likely to get started in the small pots before the flowers are developed, and it would be beneficial to give them a shift, for example, to a 5½ inch pot. This shift would help to hold the foliage in good condition, and also tend to enlarge the flower heads. W. H. T.

KANKAKEE, ILL.—The water tank on the 30 ft. tower at the Schafer greenhouses fell on March 24, crushing one corner of a greenhouse. Fortunately, the tower and tank fell outward from the glass, the debris causing the damage.

Retail Notes

BROCKTON, MASS.—Reed, the florist, had the corner store in the Belmont block for display purposes at Easter.

EMPORIA, KANS.—The formal opening of the Emporia Floral Co., at East st. and 12th ave. took place March 22.

GREAT FALLS, MONT.—M. Kranz, one of the pioneer florists of this town, has opened a retail store at 405 Central ave.

OSWEGO, N. Y.—P. G. Campbell, florist, has moved into his new store on the Lackawanna dock, north of the lower bridge.

SPRINGFIELD, O.—Samuel F. McGrew, receiver of the Fairview Floral Co. has filed his final account. He states that $3468.32 has been disbursed, and asks to be discharged.

SANTA CRUZ, CAL.—The sympathy of the trade in this section is extended to florist W. E. King, whose wife, Orisa Ann, died on March 28, from cancer of the stomach. The deceased lady was in her 56th year, and was a native of Massachusetts. Besides her husband she leaves a son by a former husband, and a daughter who lives at home. In her 23 years of residence in Santa Cruz she made a host of friends, and was held in high regard.

Notes

NEW LONDON, WIS.—E. H. Olson has sold his greenhouse and residence to O. G. Gunson of Brodhead.

SHELDON, IA.—John Christiany, florist, was found dead in his greenhouse last month.

Heacock's Kentias

Our stock consists of healthy, HOME-GROWN, WELL-ESTABLISHED plants

Wholesale Price-List

ARECA LUTESCENS

			Each
6-in. pot	3 plants in pot	26 to 28 in. high	$1.00
7-in. pot	3 plants in pot	30 to 32 in. high	2.00
8-in. pot	3 plants in pot	36 in. high	2.50
8-in. pot	3 plants in pot	42 in. high	3.00

COCOS WEDDELLIANA

			Per '00
2½-in. pot	8 to 10 in. high		$10.00

KENTIA BELMOREANA

			Per doz.	Per 100
5-in. pot	6 to 7 leaves	18 in. high	$6.00	$50.00
5-in. pot	6 to 7 leaves	20 in. high	9.00	70.00
			Each	Doz.
6-in. pot	6 to 7 leaves	22 to 24 in. high	$1.00	$12.00
7-in. pot or tub	6 to 7 leaves	32 to 34 in high	2.00	24.00
9-in. tub	6 to 7 leaves	5 ft. high	$7.50 and	$8.00
12-in. tub	4 plants in tub	6 ft. high	Each, $7.50 and	$8.00

MADE UP KENTIA FORSTERIANA

			Each
7-in. pot or tub	4 plants in pot	36 in. high	$2.50
9-in. tub	4 plants in tub	42 to 48 in. high	4.00

PHOENIX ROEBELENII

	Each
5-in. pots nicely characterized	$1.00
6-in. pots nicely characterized	1.50

Joseph Heacock Co., Wyncote, Pa.

Please mention the Exchange when writing.

ROSES

Own Root, Fine Stock

White Killarney, 2¾-in., $1.50 per doz., $8.00 per 100. Chatenay, Carnot, Kaiserin, Killarney, Perle, Richmond, Sunrise and Sunset, $5.00 per 100. Bride, Bridesmaid, Golden Gate and Uncle John, $4.00 per 100.

Mammoth Verbenas

Rooted Cuttings, $1.00 per 100, $8.00 per 1000.

Asparagus Plumosus

From 3-in. pots, $5.00 per 100; from 2¾-in. pots, $3.00 per 100.

Asparagus Sprengeri

From 3-in. pots, $5.00 per 100.

Dracaena Indivisa

4-in., $15.00 per 100; 5-in., $20.00 per 100.

MISCELLANEOUS

ABUTILON Savitzi, 2¾-in. pots, $3.00 per 100.

AMPELOPSIS Veitchii, Pot grown, $3.00 per 100 and $6.00 per 100 (two sizes).

ACHYRANTHES. Best varieties, $1.00 per 100, $8.00 per 1000.

AGERATUM. Blue and white, $1.00 per 100, $8.00 per 1000.

CANNAS, Dormant Tubers, $2.00 and $3.00 per 100, $18.00 and $25.00 per 1000.

CARNATIONS: From pots and Rooted Cuttings; send for catalogue for varieties and prices.

CHRYSANTHEMUMS, 60 fine varieties, Rooted Cuttings, $1.50 and $2.00 per 100.

COLEUS. Bedding and fancy varieties, $1.00 per 100, $8.00 per 1000.

CUPHEA platycentra. $1.25 per 100.

BEGONIA Erfordi. Pink and white, $2.00 per 100; Crimson Bedder, $2.00 per 100.

FEVERFEW, The Gem. $1.50 per 100, $12.00 per 1000.

FORGET-ME-NOT, $1.50 per 100.

FUCHSIAS. Double and single, $2.00 per 100.

GERANIUMS. Double and single, $1.50 per 100, $14.00 per 1000.

GERANIUMS, Ivy-leaved, 2¾-in. pots, $3.00 per 100.

GERMAN IVY. $1.50 per 100.

HELIOTROPE. 8 best varieties, $1.25 per 100, $10.00 per 1000.

LANTANAS, 2¾-in. pots, $3.00 per 100.

LOBELIA. New double blue, $2.00 per 100.

MOONFLOWER (True). White, $2.00 per 100; $15.00 per 1000.

SALVIA. New varieties, $1.50 per 100; $12.00 per 1000. Splendens and Clara Bedman, $1.25 per 100; $10.00 per 1000.

STEVIA, Variegata, and Compacta, per 100, $1.25.

SMILAX, from 3-in. pots, $4.00 per 100.

WOOD BROTHERS, FISHKILL, NEW YORK

Please mention the Exchange when writing.

A Few Good Things You Want

BEGONIA Rex, 2-in., $5.00 per 100.
ASPARAGUS plumosus, 2-in. $3.00 per 100; 3-in., $5.00 per 100. Cut sprays, 25c. per bunch.
ASPARAGUS Sprengeri, 2-in., $5.00 per 100.
GERANIUMS, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine,** R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100. **Mme. Salleroi,** 2-in., $3.00 per 100.
FERNS. Whitmani, 4-in., 25c. each. **Boston,** 4-in., 15c. each; 5-in., 25c. each.
CYCAS PALMS, 4 to 5 leaves, $1.00, $1.50 and $2.00.
VINCA Var., 2-in., $2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

Moon Vines

IPOMOEA Noctiflora

Best pure white Moonvine in market, very fragrant and as big as a saucer. On this variety we have a world-wide reputation as growers and shippers for the last twenty years. Price, 2½-inch pots, $5.00 per 100. 10,000 are now ready.

To save express charges please state if wanted in or out of pots. Cash with order, please.

GODFREY ASCHMANN

Wholesale Grower and Importer of **Pot Plants**

1012 W. Ontario Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

DOMOTO BROS.

Wholesale Florists

Store, 2729 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.

Headquarters for

Japanese Plants and Bulbs, Choice Roses Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.

We respectfully solicit your patronage.

Please mention the Exchange when writing.

PALMS, FERNS *and* Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

Please mention the Exchange when writing.

Louisville, Ky.

The Easter trade of Louisville florists was much better than usual, according to all reports, and though there has, of course, been something of a lull following the holiday, business is nevertheless opening up for the regular Spring season pretty well. During the Easter rush the demand for handsome blooming plants was in evidence, especially choice ones, including Rhododendrons, Lilacs, Azaleas, Genistas, and pots and pans of Tulips and Lily of the Valley. There was a noticeable scarcity of Lilies in pots, but plenty of good cut blooms. Callas also were fine. Flowers are taking the place of other gifts at Easter, and Louisville florists are consequently having plenty to do at that season. The churches were all handsomely decorated, and the fine weather which prevailed through March made the big demand easy to handle. One of the disadvantages of the weather, however, was that Violets did not ship well, several of the florists reporting that large shipments from Virginia had spoiled en route.

The demand for nursery stock is growing steadily, and one or two Eastern nurseries are coming into this market, the number of handsome, new residences in the suburbs having a large part in stimulating the demand. Cherokee Park, the finest in this section, is now surrounded by scores of handsome homes, all notable by reason of their gardens, lawns and conservatories.

Flowers have been used in considerable quantities of late in connection with openings of the retail stores. Husch Bros. consumed recently a large number of Roses, one being given to each visitor. Mrs. Charles W. Reimers supplied the Carnations for the Walkover Shoe Store, which had its opening recently, quantities being used.

Miss Eliza Kinkead, daughter of the late Judge Blackburn Kinkead, has been appointed a member of the board of park commissioners of Lexington, Ky. She is the first woman who has ever been given such an appointment in Kentucky.

The regular meeting of the local Florists' Association was held April 5. The meetings are growing in interest as the members of the trade recognize the possibilities of the organization. Fred Schulz is secretary.

Cecil Fraser of Louisville, well known all over the country as a landscape gardener, died at Frankfort, March 30, following a stroke of paralysis which he sustained in the office of the Governor. The burial was in Louisville. Mr. Fraser had had charge of the work of beautifying the grounds of the new State Capitol, and was in Frankfort in connection with that business when the stroke came. He was for years connected with the Louisville Park system, and did much to make it one of the best in the country, though the general design for the work was done by Olmstead Bros. Mr. Fraser was well known to the Louisville trade.

Gov. Willson has proclaimed April 8 Arbor Day. He made a special address to the school children of the State, urging everybody to plant trees on that day. He said: "Let us all get together and all plant trees, and all ask everybody else to plant trees, and let us have a special meeting on the eighth day of April, 1910, in every schoolhouse and other good places for meetings, to talk over how to make every place more beautiful, how to plant the waste places with trees." Much interest in the observance of the day has been aroused. Sugar Maple are planted principally.

The Woman's Outdoor Art League of Louisville, is planning for another vigorous campaign this Spring and Summer. The League is headed by leading women of the city, and is taking a large part in urging the planting of flowers and shrubs on vacant lots and the care of back yards as well as front ones. Local florists unite in commending the work of the League.

Cave Hill Cemetery, noted all over the country as one of the most beautiful cemeteries ever constructed, is now in its glory. Thousands of Tulips, which are planted generously through the cemetery, are now in bloom, and throngs of people have visited it in order to see the display of flowers.

The Crescent Hill Improvement Association has accomplished a big work in connection with the beautification of a strip of land lying along the Louisville & Nashville Railroad. Hardy shrubbery, part of which was donated by a florist living in Crescent Hill, was planted, and the results of this work are expected to be seen in a short time. The Association intends to push its work during the coming season. Work of this sort is tending to stimulate the demand for shrubbery to a considerable extent.

Miss Amelia Yunker, a teacher in the Normal School, gave a talk on gardens and gardening at the Parkland branch library recently. Miss Yunker explained the best methods of planting, and interested many in the subject.

The State Legislature, which recently adjourned, appropriated $50,000 for the purpose of completing the work on the

grounds of the State Capitol. This includes grading and planting, and a large sum will be spent in beautifying the site of the new building.

Nanz & Nenner report that the demand for shrubbery and trees is at least 50 per cent. better than usual, and their nursery at St. Matthews is being kept busy supplying the call.

The Kentucky Nursery Co. is securing a large number of orders for trees and plants to be used in connection with handsome homes in and near Louisville. The company is drawing the plans for the lawn of the new home of Samuel J. Shackelford, one of the most prominent politicians in the State, who lives at Frankfort. Shrubs and flowers of various kinds will be used.

E. G. Reimers, who has gone into the automobile business extensively, has made a success of it, and in addition is maintaining the fine florist trade which he has developed. He is now building a garage to accommodate his cars. He has several important agencies. Owing to his location on Baxter ave., opposite Cave Hill Cemetery, his florist business is large. G. D. C.

Detroit

A continuous heavy call for funeral work has stamped this last week one of the best of the season. Things came especially favorable to the retailers because of an enormous supply in all lines. Bulbous stock is getting a little scarce and Daffodils will be a thing of the past in a few days.

The local Gardening Club, a branch of the Twentieth Century Ladies' Club, is doing very good work by distributing $1500 worth of seeds among the children of the public schools at cost price.

This year these ladies expect to go a little further in their endeavor to get the children interested in garden work. Geo. Rackham has offered his services free and will deliver short lectures in the various schools. Frank Danzer, on the other hand, will gratuitously superintend the establishing of model gardens, where children may receive practical demonstrations in the growing of vegetables and flowers. FRANK DANZER.

Worcester, Mass.

Business has assumed its regular status after the Easter rush. The stores have been rearranged, but the various greenhouses have the appearance of being swept by a cyclone. Never in the history of Worcester florists has there been such a cleaning out. Already plans are being laid for Memorial Day.

James Blauvelt, for a time with Wareudorff of New York, and later with H. F. A. Lange, is now with H. F. Littlefield. We have been told Mr. Blauvelt has a talent for window decoration.

Sunday, April 3, will go down to posterity as one of Worcester's greatest days. The convention of railroad men from all over the United States, Mexico and Canada, was honored by the visit of President Wm. H. Taft. The city was in gala dress everywhere. There was very little opportunity for the florists to increase their sales, but everyone of their stores near the line of March, was decorated with the national colors.

The peculiar weather of March has produced much sickness and this, in turn, has brought about a large amount of funeral work.

After Easter weddings also added their quota to business. CAROLUS.

BENEFICENT.—"James," protested the father, "what do you mean by boring holes into that big tree?"

"Father, I'm a benefactor," said the boy, giving his auger a few more vicious turns. "I'm making knotholes in baseball fences for poor boys."—*Exchange.*

CYCLAMEN

Splendens Giganteum Hybrids.

The strain which I offer is unsurpassable, (August Seedlings); twice transplanted from flats, in five colors including fringed varieties, $3.00 per 100, $25.00 per 1000; from 2½-in. pots, $5.00 per 100, $45.00 per 1000.

GERANIUMS

Standard varieties, strong well grown plants, from 2¼-in. pots, $2.50 per 100, $22.00 per 1000.

CANNAS

Alphonse Bouvier, Duke of Marlborough, Chas. Henderson, Chicago, Pape Nardy, strong tubers, 2-3 eyes, $15.00 per 1000.

PAUL MADER, East Stroudsburg, Pa.

Please mention the Exchange when writing.

Begonia Gloire de Lorraine

LEAF CUTTINGS. For immediate delivery. Stock in excellent condition. 100 for $12.00, 500 for $50.00.

Prices for larger quantities on application.

Bay Trees

(Standards and Pyramids)

Palms

in all sizes; always on hand for immediate delivery. Write for special wholesale price-list.

New Croton Fred Sander

A very striking variety. First Awards wherever exhibited.

3 inch pots, $1.00 each, $10.00 per dozen.

5 inch pots, $2.00 each, $20.00 per dozen.

Delivery from April 1st

ORCHIDS

LARGEST STOCK of established plants in America. Fresh imported plants from the woods now arriving. Write for prices.

Stove Plants, Box Trees, Blue Spruce and other Evergreens.

JULIUS ROEHRS CO.

Rutherford, N. J.

Please mention the Exchange when writing.

TEN POINTS OF EXCELLENCE OF THE NEW SEEDLING BEGONIA "Glory of Cincinnati"

1.—It lasts longer in the dwelling than any other Begonia.
2.—It is a most beautiful shade of soft satiny-pink.
3.—The individual flowers are much larger than those of Gloire de Lorraine.
4.—Easily propagated.
5.—Easy of cultivation.
6.—Strong, robust grower.
7.—It can be grown in a 4-inch pot to look like a plant.
8.—It flowers from October to April.
9.—Not surpassed by any other Begonia.
10.—The best plant for the Christmas Trade.

$1.00 each, $9.00 per dozen, $50.00 per 100. July delivery. You cannot invest your money to better advantage.

J. A. PETERSON, McHenry Avenue, Westwood **Cincinnati, Ohio**

Please mention the Exchange when writing.

Dracaena Indivisa

In order to make room, very low prices on exceptionally nice plants. **Heavy, perfect specimens,** from 6-7-8-inch pots. An opportunity whether in need of a few or many.

JOHN M. COOKE, White Plains Road TARRYTOWN, N. Y.

Glenville Nurseries

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Double and Single PETUNIAS

Fine plants.

OREER'S STRAIN, 3-in., $3.00 per 100.

	Per 100
DRACAENA Indivisa, 6 and 7-in.	$20.00
DOUBLE PETUNIAS, R. C.	1.00
LANTANAS, Trailing	1.25
LANTANAS, Trailing, 2 in.	2.00

MOON VINES, Smith's Hybrid, the largest, whitest and sweetest, 2¼-in. pots, per 100, $3.00.

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

DRACAENA Indivisa 4-in., $10.00 per 100.
CANNAS. Pennsylvania, $1.50; A. Bouvier, $1.50; Austria, $1.25; Italia, $1.75; B. Beauty, $2.50; Egandale, $1.50; Marlborough, $2.00; America, $1.25; D. Harum, $2.00 per 100.
HYDRANGEA Paniculata grandiflora, 2 to 3 ft., $10.00; 18 in. to 24 in., $6.00 per 100.
PRIMULA Obconica, 2-in., $1.50 per 100; 3-in., $4.00 per 100; 4-in., $5.00 per 100.
GERANIUM, Ricard, 2-in., $2.00 per 100.
FICUS Elastica, 5-in., $30.00 per 100.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100. Plumosus, 2-in., $2.00 per 100.
ENGLISH IVY, R. C., 75c. per 100; var. R. C., 75c. per 100.
ENGLISH IVY, 2 in., $2.00 per 100.
FERNS, Scottii, 2½-in., $5.00 per 100; 3-in., $10.00 per 100; 4-in., $15.00 per 100; 5-in., $20.00 per 100; 6-in., $35.00 per 100.
FERNS, Boston, 3-in., $5.00 per 100; 4-in., $15.00 per 100.

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FOUNDED IN 1888

THE FLORISTS' EXCHANGE

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Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

Worcester Co. Horticultural Society

This Association, with headquarters at Worcester, Mass., a thriving city of 150,000 population, with many smaller towns and villages within a radius of 50 miles, is quite active, and for the year 1910 will hold exhibitions almost every week, of seasonable flowers, fruits and vegetables, for which prizes are offered, the final exhibition of the year being that held Nov. 10 at which Chrysanthemums are the feature. Schedules are obtainable on request to Adin A. Hixon, secretary, 18 Front st.

Presentation to Alexander Montgomery, Jr.

Alex. Montgomery, Jr. left the Waban Rose Conservatories on March 31 to take charge of the Montgomery Rose Co. establishment at South Hadley, Mass. The employees of the Waban Rose Conservatories took this as an opportune time to show the respect and esteem in which they held their assistant superintendent, and presented him with a roll-top desk and chair, also with a set of office chairs. The employees assembled at the office, Mr. Montgomery was sent for and Mr. Donahoe, the salesman of the establishment, made the presentation. He said he voiced the sentiments of all the employees that they were all very sorry, indeed, to part with their efficient and beloved assistant superintendent. Every person in the establishment felt that they were losing their best friend, but what was their loss no doubt would be Mr. Montgomery's gain. They were also pleased that such a fine opportunity had presented itself to so promising a young man, and believed, in time, the establishment of which he was to take charge would become one of the best in New England.

Alex. Montgomery, Jr., is a son of Mr. Montgomery, manager of the Waban Rose Conservatories, Natick, Mass., who is one of the greatest rosarians in this country. He was the pioneer in growing high-grade Roses and to him, above all others, should be given credit for the great work he has done for commercial Rose growing.

Alex. Montgomery, Jr., has had unique training for his profession. He graduated from the High School in Natick and, after a short apprenticeship with his father, entered Amherst Agricultural College, where he studied the theory and practice of horticulture in all its branches and graduated with honors at the head of his class. On leaving college he was given the position he occupied at the Waban Rose Conservatories, under his father, where he has been for the past fifteen years, and has been honored and respected by all the employees and others who came in contact with him. Besides his regular work he has done much in hybridization and selection of Roses and we shall hear of some of his production later. He is the author of a capital book on Rose Culture, and contributed some excellent articles on the growing of Roses to the horticultural and trade journals.

He has the respect and best wishes of everyone in the trade and we all wish him the greatest success at South Hadley. R. C.

Chrysanthemum Society of America

Special Prizes

The following special prizes have been offered for competition at the annual show of the Society to be held at Morristown, N. J., in conjunction with the annual show of the Morris County (N. J.) Gardeners and Florists' Society, Nov. 2-4, 1910:

Chrysanthemum Soc. of America: Silver cup for the best 10 blooms of any Chrysanthemum, one variety.

W. Wells & Co.: Gold, silver and silver gilt medals (3 prizes) for the best 6 blooms of Chrysanthemum Howard Gould.

W. Wells & Co.: Gold, silver and silver gilt medals (3 prizes) for the best 3 vases of Single Chrysanthemums in 3 varieties, 6 sprays of each variety.

Lord & Burnham Co.: Gold medal for the best 30 blooms Chrysanthemums in 6 varieties, introductions 1909 and 1910; open to private gardeners only.

Hitchings & Co.: Silver cup, value $25, for the best 6 vases, 6 varieties, 5 blooms in each vase; open to all.

Vaughan's Seed Store: Silver cup for the best specimen Chrysanthemum plant, any variety; open to private gardeners only. Prize offered by Vaughan's Seed Store Chicago and New York.

Peter Henderson & Co.: First $10, second $5 for the best 6 vases of Ostrich Plume Chrysanthemums, 6 varieties, 3 blooms to a vase.

Chas. H. Totty: Silver cup, value $50, for the best 12 blooms Chrysanthemum R. F. Felton.

Elmer D. Smith & Co.: $25 for the best 6 blooms of Chrysanthemum Randee.

Wm. Duckham: First $10, second $5, for the best 6 blooms Chrysanthemum Onunda.

Anton C. Zvolanek: $10 for the best 3 varieties, 3 blooms to a stem, any Chrysanthemum.

The secretary will be pleased to add to this list any other specials from firms or individuals willing to contribute a prize.

President Elmer D. Smith has appointed E. G. Hill, Richmond, Ind., chairman of the executive committee of the Chrysanthemum Society of America.

C. W. JOHNSON, Sec'y.

Alexander Montgomery, Jr.

The La France (Rose) Disease

In a somewhat lengthy article on the most important diseases of the Rose, printed in "Gartenflora," the writer has the following paragraphs on the La France disease: "So far as I know, the so-called La France disease, to which the La France (and others reported) Rose is subject, has not yet been adequately studied by any properly qualified investigator; the manuals dealing with plant pathology do not mention it at all, neither its causes nor manifestations. And the writer also is at present not in a position to give any detailed information in regard to it.

"Gardeners have noted it as early as the last decade of the last century, for instance in the vicinity of Berlin. Afflicted with this disease the plant grows limp, fades and loses its leaves within a few days; and each day new plants are affected. Some florists have considered it as an instance of "senility" of the variety, or as the consequence of too much cutting or of other errors of culture. A few years ago, I found at the roots of some Roses that had died of the disease a peculiar fungus, Roesleria pallida (Pers.) Sacc. (= Roesleria hypogæa, Coniocybe nivea, belonging to the Ascomcytæ) with small ball-shaped fruit capsulas with stems, and I surmised that this fungus had something to do with the disease. This interesting fungus is found on the dead roots of various woody plants (e. g., the Pear and vine); some fungus specialists consider it to be a fungus injurious to the roots, while others look upon it merely as a harmless saprophyte. However this may be, it seems to me that the La France disease is a disease of the root. But we are not yet in the position to assert this definitely.

"It is highly desirable that some experienced rosarian should publish his observations on the occurrence, nature, and course of the disease; and specialists in plant pathology should also take up the subject. But, unfortunately, it is just the Rose grower and florist by profession who will not apply to a scientifically trained man, when they are confronted with a plant disease, for they, of course, carry only prime stock, which is always in the best of health!"

White Fringed Cyclamen

Editor The Florists' Exchange:

On page 472 of the EXCHANGE you reproduce a white fringed Cyclamen with note thereon on page 452. These remarks may cause the impression that this new Cyclamen is something very extraordinary. I am forwarding you a plant which you will recognize as the representative of your reproduction, except that the flowers of the plant sent are perhaps larger. I have had plants with much larger flowers, the one sent you being merely a cull as nothing else is left.

Now, I wish to say that while the flower, when looking into it, is undoubtedly very beautiful, if not one of the finest white flowers in existence so far as my knowledge goes, it is certainly a great disadvantage to have same hanging like a snowdrop from its stem. This, in my estimation, will prevent it from becoming popular. Two years ago I purchased 4000 seeds from the originator of this Cyclamen, "Snow Queen," at $15 per 1000, and the plants raised from same were all sold for a higher price than others, to various parties, and I do not believe that one of the purchasers was pleased with them when they bloomed, on account of their drooping habit. I retained 100 plants for stock and just three plants of this lot showed a type like the photograph I send you; these I will use for stock. The rest of the plants, while they were sold all right, had to be worked off so as not to offend customers, a few in each lot. A plant of this selected type is simply beautiful; the flower is of the purest white, while the habit of the plant is very stocky, foliage elegantly marked, crimped and reflexed, and I hope for a good true strain the next season.

The photo I am sending you (*and which please return*) is almost life size.

Toledo, Ohio, March 14, 1910. J. L. SCHILLER.

[The plant sent by Mr. Schiller was submitted to a grower who expressed as his opinion that it was identical with the one we figured on page 472. The photograph of a single bloom Mr. Schiller sent us, and which is here reproduced, shows a marked improvement in the more upright bearing of the bloom, and we quite agree with the writer that on account of its wonderful color, —an unsurpassed pure white—its fringed form and the markings of its foliage, this variety will be found of great value if it can be made to produce its flowers looking at you instead of, as now, drooping to such an extent as to hide their beauty.—ED.]

Cyclaman Schiller's Selected Snow Green
Grown by J. L. Schiller, Toledo, O.

BY EBER HOLMES

Care During Hot Spring Weather

The Rose grower with large airy houses has the advantage over the one with small, old structures during the hot Spring months, as much as at any other period of the year. To keep up the quality of the blooms ventilation must be attended to, water and plant food freely given, and just enough fire heat kept in the houses every night to keep up the required temperature, which may safely be lowered two degrees from the Winter temperature now the nights are shorter and the plants growing so rapidly with the long hours of sunshine. The slight drop in the night temperature helps to keep the size and substance of the flowers up to the mark. The quantity will be there from now on. It will generally be necessary to carry a little air all night now, the quantity to be increased early in the morning. In the last two nights we had frost, but before eight o'clock in the morning the houses required as much ventilation as would ordinarily be carried at noontime at this time of the year.

This reminds me that to get the best results the grower must get a good early start at this time of the year. I am not going to advocate having men work longer hours than are right and proper, but I do believe in having some arrangement whereby the work is divided, so that if some men commence earlier than others they may have corresponding advantages in the shape of time off, or extra pay.

The Importance of Early Morning Work

I do know, from experience, that a man can do more and better work if he starts in while the houses are cool, especially when cutting the flowers, than he can after the sun is well up; and there is no doubt that the quality of the cut flowers is better. It also follows that the plants get better attention in the after work, such as further ventilation, watering and syringing.

A strong point in favor of early ventilation is that if one starts in early and gets on the maximum amount as quickly as possible without overdoing it the houses will be comparatively cool all day; but if he waits until the houses are hot he will have to keep them so all day long, or crowd a lot of air on all at once, which is a bad thing to do. It often happens, too, that the first two or three hours after sunrise are calm and good for ventilation, but after that there is often a high wind which makes it impossible to increase the air, although it may sometimes be reduced to advantage.

Crops for Memorial Day

April 9, when these notes are in readers' hands, will not be too late to pinch back any plants which are to produce a crop for Memorial Day. No time should be lost, however, as there is none to spare. Almost any variety may be so treated. Kaiserin and the Killarneys do extra well this way. With some people, this is the only way they can produce Killarney with long stems; but it must be remembered that extra long stems are not required for the trade on Memorial Day—the call is mostly for medium and shorter grades.

We have just cut our first crop of Kaiserin, and expect a second one the last of May.

Flowers of Kaiserin are not appreciated now as they will be in Midsummer, when white Roses are scarce, but they helped out the sale at Easter time. This Rose seems to do better when it is planted in a house where it can remain undisturbed for years rather than where it is used as a "fill in" between other crops. It will do well for 15 years in the same place, and probably longer.

We shall pinch back the few Bridesmaid we have and flower them for Memorial Day. It is next to impossible to sell these flowers now, but we found last year a good demand for them at that time. We have only about 1500 plants left of this variety, and these go out early in June to make room for newer varieties.

Preparation of Soil for Benching

Planting will soon be in full swing, and the weather is perfect for preparing the soil. A great deal of labor can be saved by using one or two horses and a disc harrow to cut up the sod and mix it with the manure. This method is quicker, too, where a lot of material is required, and allows the sun and air to sweeten the loam.

On a great number of places this plan may not be feasible, and the old method of stacking up the sod with about one-fourth cow manure, and then slicing it down and chopping it up as it is turned over, has to be resorted to. A common garden hoe makes a good tool to use in chopping up the sod in this case. It should be well broken up and thoroughly mixed. Turn it over two or three times, if possible, and do this on fine sunny days, do not handle it when wet. Avoid sod from land where sorrel is growing. If impossible to get other than this use a little lime mixed well through the pile when preparing it—a peck is enough for loam sufficient to cover 500 sq. ft. of bench surface 6 in. deep.

Care of Young Stock for Planting

The young stock should not be neglected during these busy days. On the welfare of this the future success depends. Stake the plants up, if grafted, and avoid having the growths broken off when handling, or by the hard syringings. Cut away the raffia if it is likely to injure the bark. Move the plants around on the benches, as occasion requires, never allowing them to suffer for want of room; and never let them suffer for want of water. It used to be a common practice on places where a variety of plants were grown to take the men out of the Rose houses to help several hours daily with other work. I do not know if this was ever done without detriment to the Roses, but I do know of cases where much loss was caused by this procedure.

Flowering Roses Outdoors

For flowering outdoors this Summer some of the plants from benches will be very good and give excellent results. Killarney is very fine outdoors, and produces flowers of fine color and substance. Wellesley is, perhaps, the best of any Rose in its class for Summer flowering outdoors. The claim has been made for it that it is the best of any class for this purpose. The ground outdoors should be well prepared and the plants should receive a covering of manure when the hot weather comes. This may be covered with a sprinkling of loam, if unsightly, and the plants should be liberally watered through the Summer months, if quantities of good flowers are required.

Schismatoglottis Roebelenii

Schismatoglossis Roebelenii

In the search for desirable house plants Schismatoglossis Roebelenii seems to have been entirely overlooked. It is one of the finest variegated foliage plants in the Arum family, and both in beauty and ease of culture is scarcely inferior to the popular Dieffenbachias, which it resembles very closely. It has generally been considered suitable only for the decoration of warm conservatories, but the subject of our illustration successfully passed through last Winter, which was very trying, in a New York apartment where the heat ran to 75° at times in the daytime, and as low as 42° on many nights. When first installed in its quarters, which are, practically, sunless, it dropped a few leaves, but soon fell in with conditions and began to push out new leaves. Ficus plants and Ferns in the same situation and conditions dropped all their foliage. Florists certainly would do well to look into the merits of this worthy plant.

Proposed G. A. R. Boycott of Florists

According to a despatch from Pittsburgh to a New York daily, early preparations are being made by G. A. R. posts in Pennsylvania for the annual Memorial Day exercises, and in connection with the same Adjt. Sidney Brauff of Post 88 has been requested to have the floral committee consider a plan for placing artificial flowers on the graves this year instead of natural plants and cut flowers. The despatch further states: "It has been a custom for several years for school children to donate plants. Exorbitant prices have been charged by the florists, however, and the suggestion of using artificial flowers is meeting with great approval. Local G. A. R. people say they have figures showing that prices on flowers have been raised unduly about Memorial Day for six years."

Readers are requested to write us on any subject bearing on trade conditions. If the subject interests them it will, in all probability, interest many others.

Mrs. Sarah Escott Smith

Mrs. Sarah Escott Smith, aged 76 years, mother of Henry Smith, florist, Grand Rapids, Mich., died Saturday morning, April 2, at the Smith Fruit Farm on West Bridge st. Her health had been failing for several years.

Mrs. Smith was born in New Rochelle, New York, in 1833, and went to Grand Rapids with her parents in 1839. In 1856 she married Geo. Smith and they lived on the farm at Englishville till 1870. Two years previous to her husband's death they removed to the West Bridge st. location, where she died. The deceased was active in agricultural work and was a leading fruit grower in her section. She is survived by one son, Henry Smith, and a brother, George Escott of Charlotte, N. C. She was much esteemed and the florists of Grand Rapids attended the funeral on Tuesday morning, April 5, in a body.

GEO. F. CRABB.

Alfred A. Williams

One of the pioneer florists and greenhouse vegetable gardeners of the Pocasset section died at his home, on Hartford Pike, Providence, R. I., Friday, April 1. He was formerly a member of the Johnston Town Council, and of the R. I. House of Representatives. For over a twelvemonth Mr. Williams, who was in his 76th year, had been in failing health. Death was due to hardening of the arteries.

He was a son of Larned Williams, a lineal descendant of Roger Williams, and was born in Seekonk, Mass. He was educated in the public schools, completing his education at the Lapham Institute at Scituate, R. I. During his early manhood, Mr. Williams was associated with his father-in-law. Their mill was in Simmonsville, and was known as the Bag Mill; it was on the site of the present Victoria Mill.

About 50 years ago, Mr. Williams, took up his residence in the farmhouse where he died. He became prominent in town affairs, and served 14 consecutive terms in the Town Council, before the annexation of a part of the town by Providence. He also served in the lower branch of the General Assembly before the partition of the town.

In his younger days, Mr. Williams was a prominent member of Manufacturers' Lodge of Odd Fellows. He is survived by a widow and five children. The latter are Alfred H. Williams of Scituate, Mrs. Leonard N. Austin of Providence, Mrs. W. G. Thornton of Scituate, Olney H. Williams and Larned Williams of Johnston.

Mr. Williams took a great interest in anything pertaining to horticulture and always held the controlling interests in the greenhouses on his place, run by his son, Alfred H., then by Larned, who was succeeded by Olney H. and his sons, managers for the past eight years. These greenhouses consist of about 200,000 sq. ft. of glass, and Carnations, Violets, Roses, 'Mums and great quantities of bulbous stock, as well as of Azaleas, Palms, Rubbers, Ferns and an immense lot of bedding and vegetable plants are grown. Olney H. Williams & Sons have a wholesale and retail store on Mathewson st., where they handle this stock.

Mr. Williams' funeral was held Wednesday last, and was largely attended by a number of veteran florists, gardeners and members of the House of Representatives and other public men from Providence and the Olneyville section.

G. A. J.

Gladiolus Bulb Rots. Co-Operative Experiments

During the past season many letters of inquiry have come to this Department asking for information concerning diseases of Gladioli. Many growers are anxious to know how to control, or prevent the "rot" affecting the corms, which is so common and which, in some cases, causes serious loss. During the season of 1908 and 1909, the writer undertook an investigation of these diseases and succeeded, after some difficulty, in locating the organisms responsible for several types of diseases. From quite similar types of rot, three different fungi have been isolated, grown in pure culture, and the diseases reproduced artificially by inoculation. With two of these the inoculation experiments of last season have been repeated within the past month, and the results seem conclusive. The inoculated corms have, in every case, developed the rot in less than two weeks, while the check corms remained perfectly sound. I have now, therefore, no doubt that the fungi which we have located are the cause of the disease. A full description of these diseases and the associated fungi will appear later in a bulletin of the Cornell Experiment Station. A very brief description, with some notes, is given in the Rural New Yorker, March 19, 1910.

Unfortunately, we are as yet unable to give any definite information as to methods of control, and have not the time at our disposal necessary to personally conduct experiments along this line. Knowing this, one or two growers have very generously volunteered to carry out some co-operative experiments. With this suggestion, I have prepared a plan for such field and harvesting experiments as we think most promising, judging by what we have learned of the nature and cause of these diseases. This plan is submitted below for the benefit of growers who might be interested. We shall be glad to have as many as possible test out any or all of the points here mentioned and report results to us. The larger the number of those who can duplicate these experiments, the more reliable will be the conclusions to be drawn therefrom.

Judging from what we now know concerning the fungi causing these diseases, it does not seem probable that any method of spraying can be devised to control them. They are evidently, more or less, soil organisms, and are probably carried over in the soil or in or on diseased seed corms, or possibly even adhering to the surface of healthy corms that have been in contact with diseased ones. As to which of these methods prevails, or when and how infection takes place, we have yet to learn. We, therefore, consider it probable that certain sanitary methods of handling the crop would naturally reduce the rot in many cases. With this in view the following experiments are suggested:

Field Experiments

Plat I. Perfectly sound seed corms on soil where Gladioli have never been grown.

Plat II. Perfectly sound seed corms, sterilized by immersing in 5% formalin for 30 minutes, on soil where Gladioli have never been grown.

Plat III. Diseased seed corms on soil where Gladioli have never been grown.

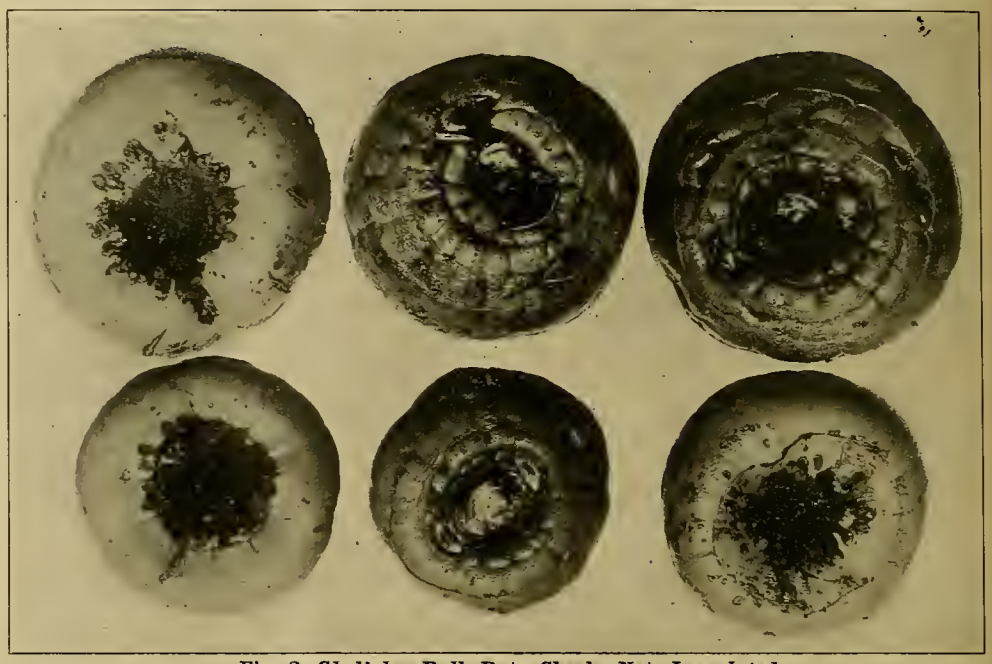

Fig. 2—Gladiolus Bulb Rot.—Cheeks Not Inoculated

Plat IV. Healthy seed corms on soil where diseased corms had grown last year.

Plat V. Diseased corms on soil where diseased Gladioli had grown last year.

Plat VI. Healthy seed corms, sterilized, on diseased soil.

Plat VII. Healthy and diseased seed corms on diseased soil, heavily limed, 2 tons per acre.

Plat VIII. Healthy and diseased seed corms on diseased soil fertilized heavily with acid phosphate, 1000 lbs. per acre. In selecting sound seed corms the husks must be removed and each examined very carefully.

In cultivating, the infection may be carried to the new soil plats by tools. If available, use another set for these. If not, cultivate clean plats first each time.

Observe conditions at harvest time and store corms from each plat separately.

Sort in Winter to determine percentage of rot in each.

Harvesting Experiments

I would suggest some experiments in regard to harvesting. It seems that the disease continues to develop quite seriously after harvesting, in storage. Now whether the infection has all taken place in the field or continues to take place in storage we are not able to state positively. If it continues to take place in storage there is a possibility of the germs of the fungus being spread from the affected bulbs to the healthy ones during the process of harvesting. To illustrate: If the corms are harvested and thrown together in the bins with the old mother corms still adhering, and allowed to stand for a couple of weeks or so before cleaning up and removing the old corms, there would seem to be ample chance for the germs to be spread to all the corms of the bin from the few diseased ones, by means of the particles of soil that are adhering to them. During this time, unless they have been thoroughly dried at harvesting, they are likely to take more or less of a sweat, which results, perhaps, in production of sufficient moisture to favor infection, wherever the fungus is present. Now, of course, you will understand that this is merely a suggestion as to what might happen, and I would not dare to label it as even probable, as yet, but experiments as outlined below should give us some line on this point.

First, select some variety that is susceptible to decay in storage. In harvesting in the Fall allow each corm to lie where it has been pulled until dry. When thoroughly cured, remove the mother corm, husk and treat with 5% formalin for about 10 minutes and then store. Do not pile in heaps or bins before treatment. Another lot from a row close by treat in a similar way, omitting the formalin treatment. In part of these omit the husking, simply allowing individual corms to dry thoroughly before being heaped together, and remove the mother corm, and as much of the adhering soil as possible, before being heaped together in the bins. Another row, close by, gather and dry and store in bins with the mother corms attached, and re-sort two or three weeks later in the usual way. ERRETT WALACE.

N. Y. State College of Agriculture, Cornell University, Ithaca, N. Y.

Fig 1—Gladiolus Bulb Rot.—Inoculated March 10. Photographed April 2

Impatiens Petersiana

This remarkable plant was recently exhibited before the French National Society of Horticulture by Messrs. Vilmorin-Andrieux & Co., who describe it as follows: "Impatiens Petersiana was introduced from tropical Africa but a few years ago. Its characteristics relate it closely to I. Holstii, from which it differs chiefly in its leaves, which are more elongated in shape and dark purple in color, with which the bright scarlet flowers are in admirable contrast. It flowers freely and uninterruptedly in outdoor beds in the Summer, while it is a more abundant bloomer in the Winter in the hothouse than I. Holstii.

"Of the plants exhibited, some propagated by cuttings constitute the typical form; others, obtained from last Fall's seedlings, do not show any appreciable difference in the shade of the leaves or the color of the flowers. The seedlings, however, indicate that I. Petersiana is a species which seems to stand in the same relation to I. Holstii as the latter does to I. Sultani, that is to say, it is a distinct plant from a specific and especially from a horticultural point of view. The value of these two latter Impatiens for Summer decorations is too well known to need comment. This novelty possesses in addition to the attractions common to the class, that fine purple of its leaves which landscape gardeners will not be slow to use for effects of contrast; as a Winter-flowering plant it will be a welcome addition."

The French Society awarded a certificate of merit to this Impatiens.—*Revue Horticole.*

Greenhouse Construction and Heating

By JOHN A. PAYNE

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[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article II

General Arrangement of a Greenhouse Plant

In considering this matter we must still keep before us the advice given in the first article of this series—to plan for the future. If it was only the question of the erection of one house the matter could be easily decided, but as the proposed house will probably be the first unit of a large range it will influence, considerably, the

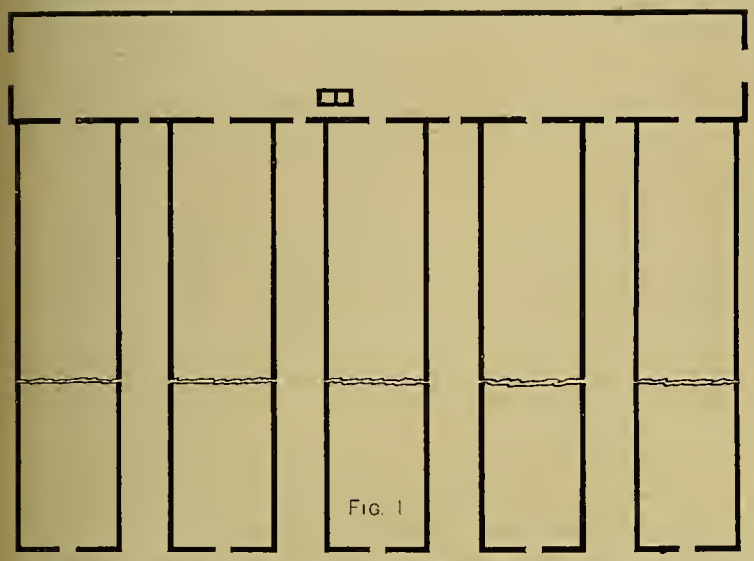

Fig. 1

arrangement of the whole. In considering this question the first thing to be decided after giving due consideration to the matters mentioned in the preceding article should be the location of the workroom or head house, in connection with the whole range.

Fig. 1 shows a workroom constructed at one end of a range of greenhouses. If the range runs north and south this workroom would be at the north end and the houses themselves would be even span. If the houses run east and west the workroom or head house would naturally be at the west end.

Fig. 2 shows the workroom building cutting a range directly in two; where the property admits of a long run of houses this certainly is a very desirable arrangement and cuts down the operating expense quite a little. Of course, this is only advisable where the total length of a range can be 400 ft. or over. If the houses should run north and south, the glass to the north of the workroom building would be considerably shaded and, in such a case, growers would use the shaded end for any plants which they might grow requiring shade, or for propagating purposes. Very frequently these houses are connected to the workroom by a short glass passageway, just wide enough for a three or four foot walk and two benches, as shown in Fig. 3, and this passageway would be used for propagating purposes. The extent

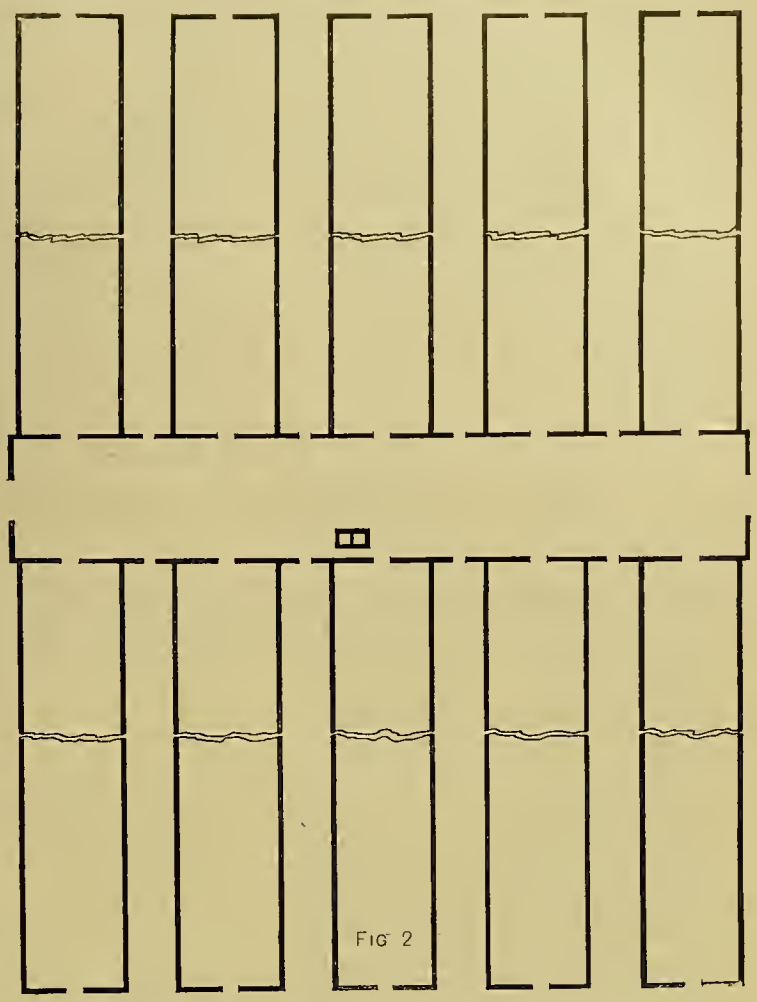

Fig 2

of the shadow caused by the workroom on these northern houses would depend upon the height of the workroom building.

The plan as shown in Fig. 4 has been frequently used, and in some instances is desirable, owing to the location of the property. In this arrangement the workroom space is concentrated, and it makes possible the extension of the range on both sides of the workroom building, still giving the advantage of the cross house or passage allowing access to each end of the long greenhouses.

It will be seen that the houses on one side of the workroom have a wide passage house cutting the houses directly in two. This cross passage house would be provided with benches, which could be used for propagating or other purposes where shadow is not a disadvantage.

The houses on the other side of the workroom building are run continuous, but

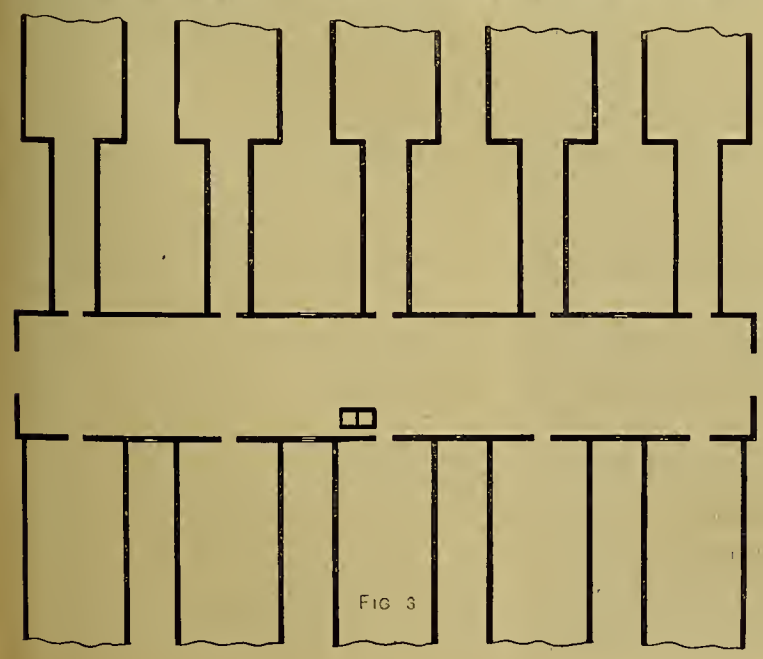

Fig 3

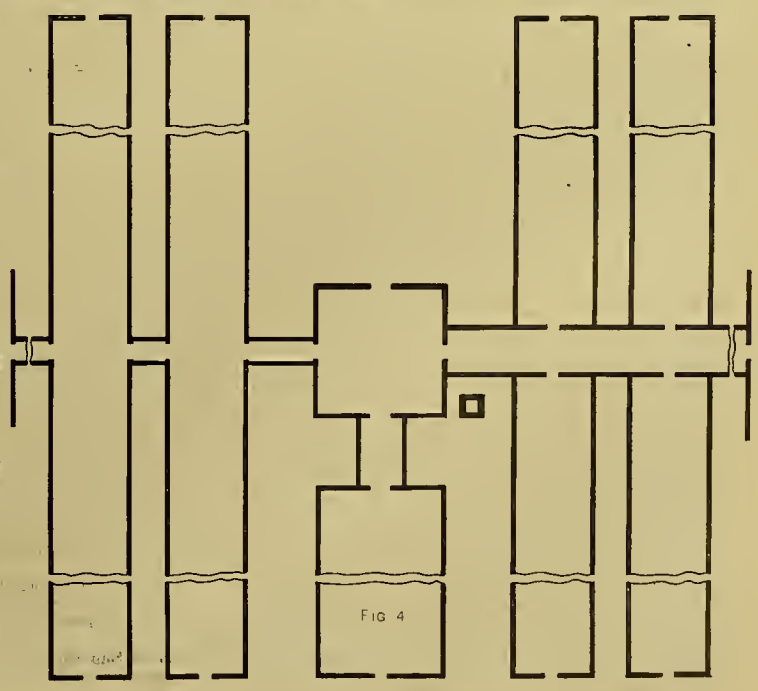

Fig 4

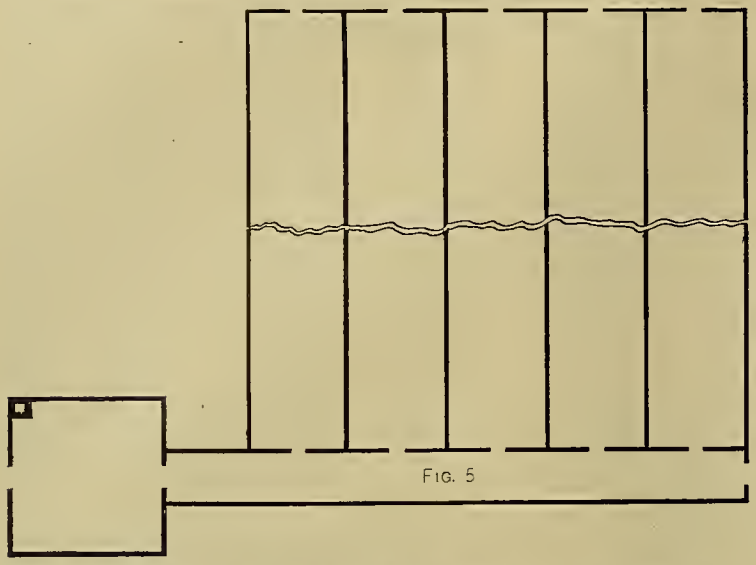

FIG. 5

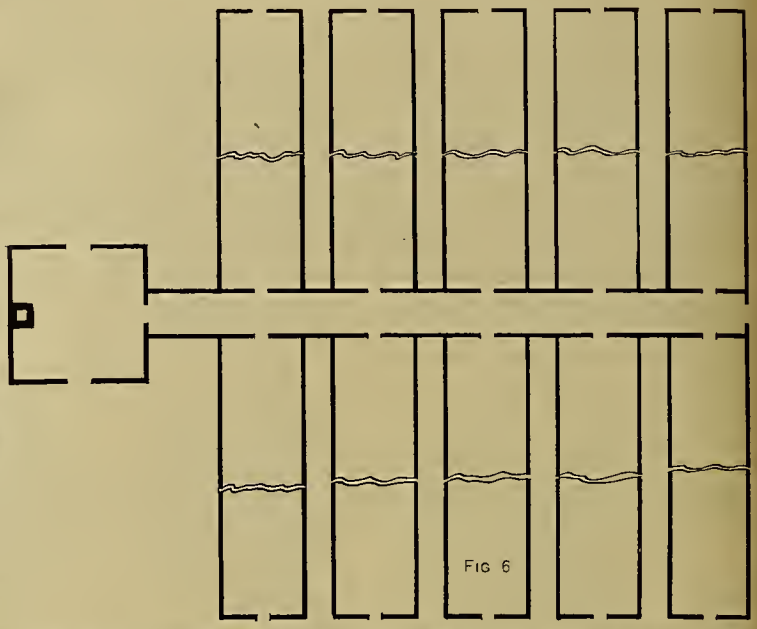

FIG 6

are connected through a small passage connection. This is a good plan where there is no use for the cross house; and in many cases it is much better, especially where the houses run north and south, as the passage house would cast more or less shadow on the north side. In either case the heating mains would be carried in a trench beneath the passageway, and in the case of the continuous houses there would be a passageway allowed, about 5 ft. between the benches.

In all the foregoing we have before us separate houses, either even or three-quarter span, and under the assumption that the range is constructed on a level.

Steep Grade

Should it be necessary to construct the houses on a steep grade the general arrangement would be altered somewhat. It is needless to say that under such conditions the ground should always slope to the south; and as the boiler of the heating plant must be at the lowest point an arrangement similar to Fig. 5 would be found advantageous.

In this case the workroom building would be placed at the bottom of the grade, and beneath the same would be located the heating boilers and pumps, or other apparatus in connection therewith. From this workroom building would be carried, up the grade, a glass passageway which, if properly shaded, could be used for propagating purposes, and which would open into the various houses. The plan shows the houses built somewhat on the order of the ridge and furrow type, probably the most desirable in the case of a steep grade of say about 25°.

This construction would be planned under the supposition that the houses would not be over 300 ft. long, but if the range could be constructed so that the total length of the houses would be 400 ft. or over the arrangement could be modified similar to Fig. 6—which is practically the same as Fig. 5 with the exception that the houses are shown placed with a space between them—which would be suitable for a grade not quite so steep as in the case of Fig. 5, the glass passage house cutting the range in two for convenience both in operating and heating. In either case the mains for the heating apparatus would be carried in the trench through the glass passage house. Having decided on the location of the workroom building the next matter to be considered is the form and size of house.

Among the Growers

F. R. Pierson Co., Tarrytown and Scarboro, N. Y.

A visit to the greenhouse establishments of F. R. Pierson Co., at Tarrytown, and Scarboro, N. Y., just now is particularly interesting, particularly when the visitor is lucky enough to go over them under the guidance of Mr. Pierson himself, who is at all times a busy man, saddled as he is with the cares of various offices he holds outside of his own business—president of the village of Tarrytown, president of the Tarrytown Board of Education, a member of the Tarrytown Committee on Good Roads, president of the S. A. F., and chairman of the committee on the National Flower Show, Boston, 1911.

At Tarrytown the company conducts a very large retail business, and there also is located the wholesale seed and bulb department. The greenhouses there are mostly devoted to the growing of Ferns, in which Mr. Pierson is a well-known specialist. Starting with the old favorite Nephrolepis exaltata Bostoniensis he has brought out therefrom and introduced to the public Nephrolepis Piersoni, Nephrolepis elegantissima, Nephrolepis superbissima and Nephrolepis elegantissima compacta. A very attractive new form derived from superbissima is now to be seen, having very heavily crested fronds; and an interesting form of Bostoniensis which is being tried out.

The Scarboro establishment covers 57 acres, with an additional twenty-five acres of cove land. The range of greenhouses embraces 250,000 ft. of glass, six houses, built during the past six years, with all modern improvements; each house covers a half acre of ground.

Especially interesting is the house built last Summer, 400 ft. long and 56 ft. wide, with side walls of reinforced concrete and iron frame, furnished with solid beds having concrete sides. Roses are being grown successfully in these solid beds. As the visitor enters this house he finds himself in a half acre Rose garden under glass, and notes at once the healthy, clean condition of the plants, and the wealth of bloom. In the other houses also a similar condition is noted, both as regards Roses and Carnations.

Carnations and Roses are the specialties at this establishment. In Roses mostly American Beauty and Killarney are grown with a few My Maryland. New varieties, however, are continually being tried out. The Carnations grown are White Perfection, Winsor, Victory, Beacon, and a light and a dark pink yet unnamed, sports of Winsor. A large well-built, strong-stemmed, silvery pink seedling Carnation, No. 40, is also on trial, which is very attractive and promising. A succession of plantings of Gladiolus America have been made between the Carnation plants. The range is heated with hot water and, as a fuel, No. 3 Buckwheat coal is used, with a blower to increase the draught.

Walking through the packing cellars, where thousands of Roses and Carnations were being boxed for shipment, the visitor passes out from the greenhouses, impressed with the quiet and orderly manner in which the whole work is conducted.

From an adjacent nursery stock is going out by the carload. The retail trade in ornamental nursery stock is very large. In the nursery are evergreens of many varieties; the Koster variety of Colorado Blue Spruce, Japan Yews, Retinisporas, Mugho Pines, Rhododendrons of the hardy types, and many other ornamentals.

The growing of Hydrangea Otaksa in large tubs for outdoor Summer blooming is one of the specialties of this company.

Any of our readers visiting this establishment will certainly come away with the experience of both entertainment and instruction.

Peter Reinberg, Chicago

A visit to Peter Reinberg's establishment just now shows all hands unusually busy. Many of the houses of Roses that have just gone off crop are being cleared out and replanted with stock from 3½-in. pots for next September's crop. Mostly American Beauty stock is being planted at present. About 40 houses are to be devoted to American Beauty, necessitating from 32,000 to 35,000 plants. The varieties Bride and Bridesmaid it is found here give much better results when plantings are made from grafted stock, consequently this season stock used of these varieties will be grafted. It is not intended, however, to devote nearly as much space to these two particular varieties as previously, pink and white Killarney will be grown instead. While it is the opinion here that the flowers of Bride and Bridesmaid are superior to the Killarneys, being so much firmer and more double, the stems invariably come weak, and for this reason only the Killarneys are planted in preference.

About 14 houses of Richmond are to be planted, this Rose doing remarkably well at this establishment. Ivory is planted largely, as it is found to be a good paying variety, with good stems, a profuse bloomer, and an easy grower.

My Maryland is just coming on crop. This has proved to be a much better Summer Rose than any other variety, but for Winter it is too slow to be much of a success.

The stock of Sunrise is to be doubled this season. This variety is at present in excellent shape and just coming on crop. Uncle John they will not go back on; the stock of it is now in fine condition and producing an abundance of blooms. A few houses of Perle des Jardins, Mrs. Marshall Field, Mme. Abel Chatenay, and Kaiserin will be included in the Rose section as they have been for some seasons past.

Many of the Rose houses are being supplied with new benches. The advanced weather, Mr. Collins, the superintendent, says, necessitates getting cuttings planted from the propagating benches in shorter time than usual. The houses that are used for small Rose stock are used later for Chrysanthemum plants.

About 19 houses will again be devoted to Carnations, the popular varieties being White Perfection, pink and white Lawson, Enchantress, Victory and Cardinal. Aside from five houses that are used for Asparagus, mostly plumosus, the rest of the vast area of glass, covering 27 acres, will be devoted to Roses exclusively.

Retarding the Fermentation of Manure

Experiments with stable manure, with a view to preserving its efficiency after a period of storage, have been made by the French engineer of agriculture, Gimel, as noted in the Revue Horticole. A grower of Mushrooms had an opportunity to obtain a large quantity of manure for his beds, on very favorable terms, and desiring to use it as the need arose, he asked Mr. Gimel how best to keep it. The latter accordingly experimented with the fresh manure, applying first gaseous antiseptics (formic and sulphuretted acid) and then treating it with sulphuric acid in the proportion of 10 grammes (one-third of an ounce) per liter (1.76 pints) of water. Fermentation was arrested in all the plots so treated. At the end of two months the plots were either sown with pure culture of bacilli subtilis, mesentericus, etc., or mixed with fresh manure in fermentation. The plot treated with sulphuric acid was previously watered with a solution of carbonate of potassium, in quantity sufficient to saturate the acid so added. The plots made antiseptic with formic acid and sulphuretted acid did not ferment; that treated with sulphuric acid had a normal fermentation.

"My first conclusion," says Mr. Gimel, "is that the use of antiseptics serves no particular purpose. But manure can be kept intact for several months by sprinkling it, when fresh, with acidulated water. Then, two weeks before the beds are made, all that is necessary is to sprinkle the manure again with water in which has been dissolved carbonate of potassium at least equal in quantity or a little in excess of that necessary to saturate the acid employed; then some wheelbarrows of hot manure or a few test tubes of bacillus cultures should be mixed with the manure, and fermentation will soon begin."

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — **ALBANY, N. Y.** — **11 North Pearl Street**

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Estab. 1877 — **Leading Florist** — **AMSTERDAM, N. Y.** — **SCHENECTADY, N. Y.**

Atlanta Floral Co. — **ATLANTA, GEORGIA** — **41 Peachtree Street**

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** — **124 Tremont Street**

We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** — **24 Tremont Street**

Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Zinn the Florist — **BOSTON, MASS.** — **No. 1, Park St. No. 2 Beacon St.**

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Robt. G. Wilson — **BROOKLYN, N. Y.** — **Fulton St. and Greene Ave**

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — **BUFFALO, N. Y.** — **W. J. PALMER & SON, 304 Main St.**

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The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

JULIUS BAER, CINCINNATI, O. — **Fourth St.**

Frank F. Crump — **COLORADO SPRINGS, COLO.** — **Retail Florist**

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co. — **CONNECTICUT** — **New Haven** — **1026 Chapel St., Opposite Yale College**

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

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Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

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From New York	Sailing Day	Hour	Pier	Destination
Caledonia	Apr 9	9.00 am.	W. 24th St., N.Y.	Glasgow
Graf Waldersee	" 9	9.00 am.	1st St., Hoboken	Hamburg
Adriatic	" 9	10 00 am.	W. 21st St., N.Y.	Southampton
Finland	" 9	11 00 am.	W. 18th St., N.Y.	Antwerp
Princess Irene	" 9	11.00 am.	3rd St., Hoboken	Naples-Genoa
Mauretania	" 9	11.30 am.	W. 16th St., N.Y.	London
Idaho	" 9		Bethune St. N.Y.	Hull
Virginia	" 9		Bush Dks. Bklyn	Naples-Genoa
P. di Piemonte	" 9		Gr'nd St. Jer. Cy	Genoa
Noordam	" 12	10.00 am.	7th St., Hoboken	Rotterdam
Mauretania	" 13	9.00 am.	W. 14th St., N.Y.	Liverpool
Rhein	" 14	10.00 am.	3rd St., Hoboken	Bremen
La Provence	" 14	10.00 am.	W. 15th St., N.Y.	Havre
Pannonia	" 14	12 00 m.	W. 14th St., N.Y.	Napls-Trieste
Hellig Olav	" 14	2.00 pm.	17th St. Hoboken	Copenhagen
Calabria	" 14		Ua. Stores, Bkln	Naples
Caronia	" 16	10.00 am.	W. 14th St., N.Y.	Liverpool
St. Louis	" 16	10.00 am.	W. 23rd St., N.Y.	Southampton
Barbarossa	" 16	11.00 am.	3rd St., Hoboken	Naples-Genoa
Vaderland	" 16	11.00 am.	W. 18th St., N.Y.	Antwerp
K. Aug. Victoria	" 16	12.00 m.	1st St., Hoboken	Hamburg
California	" 16	12.00 m.	W. 24th St., N.Y.	Glasgow
Baltic	" 16	12.00 m.	W. 21st St., N.Y.	Liverpool
Cretic	" 16	12.00 m.	W. 21st St., N.Y.	Gibrar-Naples
Duca d' Aosta	" 16	12.00 m.	W 34th St., N.Y.	Naples-Genoa
La Gascogne	" 16	3.00 pm.	W. 15th St., N.Y.	Havre
Niagara	" 16	3.00 pm.	W. 44th St., N.Y.	Havre
K.W. der Grosse	" 19	10.00 am.	3rd St., Hoboken	Ply., Che., Bre.
Rotterdam	" 19	10.00 am.	5th St., Hoboken	Rotterdam
Moltke	" 19	2.00 pm.	1st St., Hoboken	Naples-Genoa
Indiana	" 19		Bush Dks Bklyn	Naples-Genoa
Madonna	" 19		33 Atl. B'n, Bkln	Naples
Lusitania	" 20	9.00 am.	W. 14th St., N.Y.	Liverpool
Oceanic	" 20	9.30 am.	W. 21st St., N.Y.	Southampton
Ancona	" 20	12.00 m.	W. 34th St., N.Y.	Naples-Genoa
Alice	" 20	1.00 pm.	Bush Dks. Bklyn	Napls-Trieste
San Giovanni	" 20		Pier 22, Bklyn	Napls-Palmo
Russia	" 20	2.00 pm.	Bush Dks, Bklyn	Rotdam-Libau
Bluecher	" 21	9.00 am.	1st St., Hoboken	Hamburg
La Touraine	" 21	10.00 am.	W. 15th St., N.Y.	Havre
Furnessia	" 23	9.00 am.	W. 24th St., N.Y.	Glasgow
Minneapolis	" 23	9.30 am.	W. 16th St., N.Y.	London
Celtic	" 23	10.00 am.	W. 21st St., N.Y.	Liverpool
New York	" 23	10.00 am.	W. 23rd St., N.Y.	Southampton
Pres. Lincoln	" 23	10.00 am.	1st St., Hoboken	Hamburg
Berlin	" 23	11.00 am.	3rd St., Hoboken	Naples-Genoa
Lapland	" 23	11.00 am.	W. 18th St., N.Y.	Antwerp
From Boston				
Ivernia	" 12	11.30 am.	B&A Dks, E. Bos	Liverpool
Cestrian	" 13	12.30 pm.	B & M Dks, Char	Liverpool
Columbian	" 15	3.30 pm.	B & M Dks, Char	London
Hesperian	" 19	6.00 am.	MysticWhf, Char	Glasgow
Cymric	" 19	5.00 pm.	B&ADks, E. Bos	Liverpool
Philadelphia				
Haverford	" 9	10.00 am.	53 So. Wharves	Liverpool
Marquette	" 15	10.00 am.	55 So. Wharves	Antwerp
Siberian	" 16		24 No. Wharves	Glasgow
Ancona	" 19		80 So. Wharves	Naples-Genoa
Merion	" 23	10.00 am.	53 So. Wharves	Liverpool
San Francisco				
Siberia	" 12			Honolulu-Japan-China
China	" 19			Honolulu-Japan-China
Manchurian	" 26			Honolulu-Japan-China

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We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

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Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

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We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

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I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

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Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

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We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

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We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see pages 670, 671

A Section of Bellamy Bros.' (Syracuse, N. Y.) Easter Display

The Growing of Lilies for Easter

A paper read before the Florists' Club of Philadelphia, April 5, 1910, by Henry I. Faust, Merion, Pa.

I do not suppose there is anything grown for Easter more uncertain as to crop and requiring a greater amount of skill and attention than the Lily, especially the growing of good Lilies. To make this paper interesting it has been suggested that I take up the entire subject of forcing Lilies, from years ago to years to come, and illustrate by samples of well-grown and diseased plants; in fact, to enter upon a long and learned discourse and kick up such a lot of dust and bemuddle my subject to such an extent that you would have to catch on to my coat tail in order to follow me. But in this I saw no use. The diseased plant you all have seen enough of, you have had a heart's scald of them—the good ones are all sold.

Liliums giganteum and Formosum Best

As far as my experience goes, there are only two varieties of Lilies worth attempting for Easter—the giganteum and the Formosa Lilies. To grow in quantity and to produce good, even results, there is at present only one Lily, the giganteum. This is a variety almost perfect; it comes true to its name, and for health it is all that could be desired. This year, out of 13,000 bulbs I did not have to throw out 10 plants through disease; but as far as health goes, I can give the Formosa an equally good character.

Now, to get down to business, in the growing of Lilies for Easter let us suppose there is only one variety, the giganteum. The first essential is to get good bulbs. I do not think it makes any difference from whom you procure them, any house of repute can supply you. My bulbs this year came in three separate lots. I saw no difference, they were all in perfect condition. Just as soon as you receive your bulbs get them potted.

A Quick and Cheap Method of Potting

I have a way of potting that may interest you, as I never knew anyone else to pot in the same way. It is a very quick and cheap way of doing what would often, in the ordinary way of potting, be a slow and worrisome job, especially when you grow in quantity. A few days before we receive our bulbs we have a large space cleared on the ground near the soil pile. We then cover this space with 2000 to 2500 empty 6-in. pots, say 20 to 25 pots wide to 100 long. We then have a man fill the pots about two-thirds full of soil, and we are ready for the bulbs. When the bulbs arrive, another 2000 to 2500 pots are placed on the floor, the bulb cases are opened and stock sorted, selecting all the best bulbs in the case, the cullings being kept separate. The good bulbs are for growing on in 6-in. pots, the cullings we place two bulbs in a pot. Then we take a 16-ft. board to place upon top of the pots to stand, or rather kneel upon, and we start to plant, two men planting and two following up filling the pots with soil, and so on until the end.

In filling the pots we throw plenty of soil on top, levelling it with the back of a rake. In this way we have often been able to use up 10,000 pots in three days; and last Fall we did 10,400 pots in three days. I think you will acknowledge this to be a much more expeditious way of getting your Lilies potted than the usual way of potting at a bench. The Lilies now being potted, all the work, especially selecting the bulbs and planting, having been done at a minimum cost by two laboring men—not interfering at all with our regular work—the bulbs are ready to wheel inside, to be placed under a bench, or, just as well, left outside, covering them up carefully and bringing them in later, or at your convenience. We mostly leave ours out until we are rid of the Chrysanthemums, although it does not hurt to bring them in at once if it suits your convenience or space. We always like to have our Lilies inside, on the bench, by December 15, and that reminds me of the great difference in forcing a Lily for Easter.

Years ago when we first commenced growing Lilies, we grew Harrisii and got our bulbs in August or early September. We would pot at once and have them two or three inches high when brought inside, but we always had trouble getting them in bloom for Easter. Of later years, since the Japanese bulbs have been grown, although we do not get them until November, and often late November, we have no trouble, although, as in this year, needlessly anxious.

Care in the Greenhouse

Now we come to the growing. We always start the Lilies off at a cool temperature and hold them in this temperature according to the date of Easter. The longer they stay at a cool temperature in the early stage the better. After we see they are well rooted and starting to grow, the temperature can be increased up to any reasonable extent until they show evidence of making buds, then you had better go slow. From the time that they first start to make bud to the time the bud is well developed is what might be called the critical period; stunted plants or blasted buds may very easily be your lot. All that can be said of this period is "Beware!"

In growing a Lily for Easter the credit is due to two people, the fireman and the man at the hose. There is no plant that loves syringing more than a Lily, yet no plant resents more quickly an over supply of water at the roots. I often, on a bright day, syringe two or three times, and have frequently at night gone into the houses and given them a good syringing, wetting down the paths, and also the steam pipes. I think syringing is very beneficial in growing Lilies, especially if you have an apparatus for heating your water. We have an arrangement for tempering the water that enables us to have a constant flow at a temperature of 70° and upwards. This water heater is a very simple apparatus; anyone who uses steam heat could at the expense of a few dollars so equip themselves.

After a Lily is in condition to stand it, I believe the quicker it is grown the better, only, of course, remembering to gauge the growth and development according to the date for Easter. I must say this year was one calculated to try men's souls. We did not get our bulbs until Nov. 18, and, on account of the late Chrysanthemums, could not get them on the benches until Dec. 24. Out of 10,000 pots I do not believe 25 showed growth above the soil. Then came a month of anxiety and worry. How slowly they seemed to grow! How quickly the weeks flew by! A constant fluctuation between hope and fear, and cloudy weather seemed our portion. Still, the few short weeks we had to Easter were being rapidly counted off. "Eight more weeks," we anxiously said to ourselves; then seven, six and five.

Time Required for Flower Development

It is usually calculated that it takes six weeks for a Lily flower to develop, from the time the bud first shows. It can be done in less. I would prefer to have six weeks to do it in, sooner than attempt to do it in four—yet it can be done in four. Just to satisfy myself how long it would take, or rather how quickly a Lily could be brought into bloom, I this year marked a few plants.

On Feb. 22 I selected a few plants, marking them "No buds in sight." On the 25th buds could be seen on several, and by the 27th all showed bud. We were then running a night temperature of 70°, or a little over, letting the day temperature, with sunshine, run higher. They were all in bloom in time for Easter, just taking, you see, from four weeks to a month from the time of first showing of bud to the blooming period.

Marketing the Product

One of the most important points in growing a Lily is the selling of it. I think I am speaking advisedly when I say it does not pay to grow Lilies to sell at 10 cents. Now don't misunderstand me on this point. I do not mean that a Lily cannot be grown and sold at 10 cents per bud and yield sufficient margin for the grower to pay his debts, but that is all it will yield; it will give the grower no real profit; that is, no such profit as will in any way reward him for his risk, trouble and anxiety.

Right at this point I cannot refrain from wondering if we are conducting our business in as wise a manner as we should. Are we not just stumbling along in the dark?

Every year, as long as I can remember, I have heard the report that Lilies were going to be scarce, but without any real foundation for it. No one knows how many Lilies it takes to fill the requirements of the city of Philadelphia. Don't you think we should know? If we only knew, or had a way of finding out, we would commence to be on a business basis; we would then be in a position to regulate prices.

I have thought that a "Florists' Board of Trade" might be a benefit, with committees to look after the different branches of the trade. The committee on Lilies could get reports from all the seed houses and know just how many bulbs were in the growers' hands, or get the report direct from the growers, with monthly reports as to progress, condition and number expected to be put on the market—in much the same way as the Government gets its agricultural reports.

I believe if we all were to cut down the Lilies grown 25 per cent., try to grow better Lilies and get a better price, it would be a move in the right direction. There is one thing sure, none of us make enough money. We have the most anxious, worrisome business in the world; everything we buy costs more, and still more, but everytime we get our returns we find them markedly less.

The only people I see making any money on flowers are the street fakirs and the commission men; yet I think the commission man deserves all he gets. Without these hustling and enterprising business men, who are ever advertising to find an outlet for our goods, I fear often our business would be in a bad way.

Two-thirds of the time the flower market is glutted, prices demoralized, and the growers are building more houses to throw more stock upon the market, to compete with themselves. Would it not be advisable to call a halt? Let every grower who has more than 10,000 feet of glass pledge himself not to build any more for five years, until the market catches up with the supply. Almost every week during the seasons we read in the trade papers of Carnations, Roses, Violets, or Lilies being a glut on the market. Let us work for prosperity and better prices, not for the street fakirs.

Lilies, to afford the grower a proper profit, should bring 15 cents per flower. We have been too much in the habit of rubbing shoulders with poverty. Let us put ourselves upon an equality with other professions and get more of the sweets of life and not so much of the bitters.

A Device for Dethorning Roses

Under the name of Poppe's Apparat, a device for dethorning Roses has been patented in Germany by Miss

Lilli Poppe, a florist of Bremen. It consists of two stout strips of iron, which are hinge-jointed and one of which has a spring action. On each of the two inner edges three semi-circular pieces have been cut out so as to form three round holes of varying size when the apparatus is closed, and it is through these the stems to be dethorned are drawn. Furthermore, there is a knife on one side for cutting off the flower stems. This tool may be screwed to any table; its usefulness seems self-evident.—Illustration and text from *Bindekunst.*

Dwarf Rose Orleans

New Dwarf Rose Orleans

Messrs. John Charlton & Sons of Rochester, N. Y., have favored us with a photograph of the new French Rose, "Orleans," which they describe as a remarkable grower, surpassing all other dwarf or baby Roses, so far as their knowledge extends, and which they think will be much sought after. This Rose originated with the firm of Levavasseur et Fils, Orleans, France. It is a cross of Mme. Norbert Levavasseur with an unnamed variety, and is described as a profuse bloomer, carrying its buds on an extremely straight stem. The flowers are clustered in immense panicles rising well above the foliage. The color is a Geranium red, tinted, like Paul Neyron, with a whitish center. It is very vigorous, ranging in height from 18 to 27 inches. Foliage is of a handsome shining green color. Exceedingly decorative in appearance, the Orleans Rose should prove effective in mass planting and is well suited for forcing in pots. It has been awarded a gold medal by the French Society of Horticulture of Orleans and of Loiret.

Double Your Carnation Profits—Last Chance to Buy

The trade has certainly bought liberally of Carnation Dorothy Gordon this Winter and Spring—orders for rooted cuttings have taxed our producing capacity nearly to the limit, but we're proud of the stock we've sent out, and judging by their kind letters, our customers are pleased, too. And next Winter, when all these splendid plants come to bloom and these florists begin to make money as they have never before made it from Carnations, they'll be still *better* satisfied!

Have *you* delayed getting in your order for this magnificent new Carnation? If so, this advertisement is addressed to you; we have just a few thousand more cuttings in the sand for April 15th delivery, and when these are taken, no more will be available till next Winter.

We urge you, if you want to double your Carnation profits, not to delay; the merit of this splendid new variety has been thoroughly proved and the only possible loss you can experience in the matter is to let this opportunity slip by and stick to the old sorts you've been growing in the past.

Carnation Dorothy Gordon

has a splendid pedigree, a long list of good qualities, and an enviable record of prizes and awards. It is a seedling of Lawson on Enchantress, possessing the principals merits of these varieties without their faults. It is vigorous in growth and is perfectly free from disease. Its flowers are a trifle darker than Pink Enchantress; they are borne in double the quantity, and are of exceptional size—averaging over 3 inches in diameter. They are very fragrant and keep exceptionally well. *The morket price paid for Cornation Dorothy Gordon is regularly 50 per cent. more than that paid for Enchantress.*

From the very first, Dorothy Gordon has established a splendid record as an exhibition variety. High awards were given it at the meeting of the American Carnation Society in 1908 and at the National Gardeners' Association meeting in New York in 1909. This season it has attracted much attention and has won further renown at the Pittsburgh and Toronto meetings.

In order to give the trade a fair opportunity to test it thoroughly, we have from the first sold rooted cuttings at a price which would get it established everywhere. This low figure still prevails, and the remaining stock will be sold at these prices: **$10.00 per 100, $75.00 per 1000.** *No further offers this season.*

Joseph Heacock Co., Disseminators : : Wyncote, Pa.

Please mention the Exchange when writing.

We have a SPECIALLY nice lot of

YOUNG CARNATION AND CHRYSANTHEMUM STOCK

now ready, heavily rooted, sturdy stock, and liberal count. Try us once.

CARNATIONS

	Per 100 R. C.	2½-in
Enchantress	$2.50	$3.60
Rose Enchantress	2.50	3.50
Beacon	2.50	3.50
White Perfection	2.50	3.50
White Enchantress	2.50	3.50
Georgia	4.00	5.00
Welcome	3.00	4.00

CHRYSANTHEMUMS

A few stock plants of October Frost, C. Touset, Alice Roosevelt, Golden Glow, still left at $3.00 per 100, $25.00 per 1000.

The Following in R. C. and 2½-in. Stock.

Alice Roosevelt, October Frost, Golden Glow, Roslere, Monrovia, Minnie Bailey, Appleton, White Bonnaffon, Alice Byron, Dr. Enguehard, Yanoma, Wanamaker, Mankey, and nearly all standards, $2.00 per 100, $15.00 per 1000. R. C.; $2.50 per 100, $20.00 per 1000, for 2½-in. pots.

Virginia Poehlmann, $3.00 per 100, R. C.; $4.00, 2½-in.

Golden Eagle, Lynnwood Hall, $4.00 per 100, R. C.; $5.00, 2½-in.

Pres. Taft, Mrs. W. E. Kelley, $10.00 per 100, R. C.; $12.00, 2½-in.

I. M. RAYNER, Greenport, N.Y.

Please mention the Exchange when writing.

Rooted Cuttings

	Per 100	1000
Georgia	$2.50	
Rose Enchantress	2.00	$12.50
Afterglow	2.00	15.00
Beacon	2.50	20.00

BOSTON FERNS, from bench, $2.50 per 100, $20.00 per 1000; ready to plant.

QUIDNICK GREENHOUSES

J. H. Cushing, Prop., Quidnick, Anthony P. O. R. I.

Please mention the Exchange when writing.

CARNATIONS ROOTED CUTTINGS

Ready to Ship.

	Per 100	1000
White Enchantress	$2.00	$18.00
Enchantress	2.00	18.00
White Perfection	2.00	18.00
Viola Sinclair, from soil	3.00	25.00
Apple Blossom, from soil	3.00	25.00

Less 3 per cent. for cash with order, quality guaranteed, or money refunded.

B. F. BARR & CO.

Keystone Nurseries, Lancaster, Pa.

Please mention the Exchange when writing.

SHASTA

Our new white carnation, ready now at **$12.00** per 100; **$100.00** per 1000. The biggeet paying White Carnation you ever saw. We are shipping fine, well rooted cuttings.

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, $12.00 per 100, $100.00 per 1000.

Alma Ward, $15.00 per 100, $125.00 per 1000.

Mrs. J. C. Vaughan, Bay State and Georgia, $6.00 per 100, $50.00 per 1000.

Robert Craig, Afterglow and Harlowarden, $3.50 per 100, $30.00 per 1000.

New crop. Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons, at 25c. and $1.00 per package.

CHAS. H. TOTTY

MADISON, N. J.

Please mention the Exchange when writing.

CARNATION CUTTINGS

My stock has not been allowed to throw over three blooms per plant and is, therefore, very vigorous, producing cuttings strong and full of life. Cuttings from such stock will produce more and better flowers next Winter than the ordinary grade from stock that has been flowered to death.

	100	1000
Harlowarden	$2.50	$20.00
Enchantress	3.00	25.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Pure White Enchantress	3.50	30.00
Winona	3.50	30.00
Beacon	3.50	30.00

250 at 1000 rate.

Cash with order, or references.

A. A. GANNETT, GENEVA, N. Y.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.

LA FAYETTE, INDIANA

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings.

Large, strong, well rooted, absolutely no disease, taken from plants grown especially for stock and rooted in a cool house. These will make plants quickly and cannot fail to please you.

	100	1000
Enchantress	$3.00	$25.00
Pure White Enchantress	3.50	30.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Winona	3.50	30.00
Beacon	3.50	30.00
Winsor	3.00	25.00
Harlowarden	2.50	20.00

Cash with order. 250 at 1000 rates.

SMITH & GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

Scholzeli Fern

The best payer and most prolific Fern to date. 2¼-in. $7.00 per 100.

	Per 100
Superbissima, 2¼-in.	$7.00
Whitmani, 2¼-in.	5.00
Scottii, 2¼-in.	5.00

CHAS. H. CAMPBELL

3601 Germantown Avenue

PHILADELPHIA, PA.

Please mention the Exchange when writing.

NEPHROLEPIS

WHITMANI, 2½-in., $5.00 per 100; $40.00 per 1000.

MAGNIFICA (new), $25.00 per 100.

BOSTON FERNS, 2½-in. $30.00 per 1000.

Henry H. Barrows & Son,

WHITMAN, MASS.

Please mention the Exchange when writing.

Ferns in Flats

All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, read June 1. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.

Please mention the Exchange when writing.

FERNS FERNS

Assorted Ferns for Jardinieres, in 6 to 8 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $25.00 per 1000.

ASPARAGUS Plumosus Nanus, fine for planting out, 2¼-in. at $3.00 per 100, or $25.00 per 1000.

FERN SEEDLINGS, from flat, in 10 best varieties, ready June 1.

THOMAS P. CHRISTENSEN

SHORT HILLS, N. J.

Please mention the Exchange when writing.

Commercial Violet Culture *Price $1.50*

The Florists' Exchange, 2 to 8 Duane St., N. Y

FERNS

MY SPECIALTY

Adiantum Cuneatum and Gracillimum, 2¼ in., $3.50 per 100, $30.00 per 1000.

FERNS FOR FERN DISHES

Extra strong, healthy, bushy, full grown, 2¼ in. stock, guaranteed to please; in assortment of 12 best varieties, $3.00 per 100, $25.00 per 1000. 3 in., $6.00 per 100, $55.00 per 1000.

250 at 1000 rate.

CIBOTIUM SCHIEDEI

King of Ferns: Handsomest, most valuable plant for all decorative purposes; no plant more profitable to both grower and retailer; young stock for growing on, ready for delivery during March, April and May. Largest stock, best prices. Orders booked now.

Asparagus plumosus nanus. Excellent 2¼ in. stock, $3.00 per 100, $25.00 per 1000.

J. F. ANDERSON, Short Hills, N. J.

Fern Specialist

Please mention the Exchange when writing.

FERNS ASSORTED FOR DISHES

Full grown plants from 2¼-in. pots, $3.00 per 100; 3-in., $6.00 per 100; 4-in., $12.00 per 100.

Asparagus P. Nanus 2-in. pots, $6.00 per 100.

Cocos and Kentias For $10.00 per 100; Centers, 2¼-in. 15c. each.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

Nephrolepis Whitmani

6-in., $5.00 per doz.; 2¼-in., $3.50 per 100.

COLEUS, Verschaffeltii and Golden Bedder, 2-in., $2.00 per 100. ABUTILON Savitzi, 2-in., $2.50 per 100. ACALYPHA Macfeeana, 2-in., $2.50 per 100. ASPARAGUS Sprengeri, 4-in., $5.00 per 100.

W. D. ROBERTSON, Oakhurst, N. J.

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Bench Grown Strong Plants

Golden Glow, Pacific Supreme, White and Yellow Bonnaffon, Timothy Eaton, $3.00 per 100, $25.00 per 1000.

A. V. D. SNYDER, RIDGEWOOD, N. J.

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

THREE NEW CARNATIONS

CONQUEST	SANGAMO	MARY TOLMAN
Fancy overlaid pink	Brilliant pink	Deep flesh pink

$12.00 per 100; $100.00 per 1000

CHICAGO CARNATION COMPANY, A. T. Pyfer, Mgr., **Joliet, Illinois**

Please mention the Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By florist in seed store where he could enter as partner later on. Address, "Florist," 241 East 39th street, New York City.

SITUATION WANTED—By single man, A 1 grower of Roses and Carnations. References. Address "Florist," 203 East 19th street, New York City.

SITUATION WANTED—By young man, good character, general experience, especially with Carnations, on up-to-date place. Address I. D. care The Florists' Exchange.

SITUATION WANTED—By gardener, Scotch, experienced, on private place; 12 years' experience; good references. Apply to Wm. Robertson, 532 West 42nd Street, New York City.

SITUATION WANTED—By a first-class grower of Roses, Carnations, Palms, Ferns, 'Mums and general stock; fruits and vegetables under glass. Address, P. O. Box 921, Port Alleghany, Pa.

SITUATION WANTED—By a first-class storeman, designer and decorator, at present holding responsible place as buyer. Highest references of present and past employers. Address, I. A., care The Florists' Exchange.

SITUATION WANTED—As working foreman by A 1 Rose grower, competent to take full charge of up-to-date place. References; married, age 40. Address, H. G., care The Florists' Exchange.

SITUATION WANTED—By expert Rose and Beauty grower; also all-around grower of up to standard stock. Executive ability. Knows how to handle men. Address, I. C., care The Florists' Exchange.

SITUATION WANTED—By German, 34, single, good grower of 'Mums, Carnations, Roses, Vegetables, etc.; private or commercial place. Good references. Address, "Florist," 224 W. 13th street, New York City.

SITUATION WANTED—On private place as working foreman, by married man, no family, best references from present and past employers; 17 years' experience; 4 years in present position. Address, I. B., care The Florists' Exchange.

SITUATION WANTED—By decorator, maker-up and gardener; have had 25 years' experience. Can furnish references and bond if necessary. Out of town preferred. F. B., 280 Plane street, Newark, N. J.

SITUATION WANTED—By experienced greenhouse man and gardener (36) single, sober, good willing worker, private or commercial place. Best of references. Please state wages and full particulars. Address, A. Geiger, 198 Woodward ave., Brooklyn, N. Y.

SITUATION WANTED—As assistant by a young and strong man with two years' experience in general greenhouse and landscape work. Would like a permanent position with chance for advancement. Reference. Address, I. E., care The Florists' Exchange.

SITUATION WANTED—By a sober, energetic gardener and florist, German, 34, single; practical experience in cut flowers and any kind of outside work. Willing worker; commercial or private place. Address, M. J., 46 Catherine street, New York City.

SITUATION WANTED—By gardener and florist, 42 years of age, single, German, very neat and sober, good worker. A first-class all around man; 25 years' experience in first-class private and commercial places. Under glass and outside; experienced in growing Roses, Carnations, Chrysanthemums and Violets; a good designer and maker up. Only a well kept place wanted. First-class references. Please give particulars and wages in first letter. Address, A. R., care Mr. Weintz, 273 West 128th st., New York City.

HELP WANTED

WANTED—An assistant Rose grower. Address, giving references and experience, H. D., care The Florists' Exchange.

WANTED—A competent store man, a good designer, one that can furnish best references. Apply H. H., care The Florists' Exchange.

WANTED—At once, a man to do general greenhouse work. Wages $14.00 per week. Apply to John Lange, 32 James st., Englewood, N. J.

WANTED—At once, men for general greenhouse work; must be a good potter. Permanent position, wages, $30.00 with board and room. Arthur James, Wilkinsburg, Pa.

WANTED—Two experienced section men for Rose houses. Apply with references and state wages. S. J. Reuter & Son, Inc., Westerly, R. I.

WANTED—A good grower of cut flowers and pot plants; must be sober and a good worker. Wages $12.00 per week. F. C. Riebe, Webster, Mass.

WANTED—Young lady for florist store, good designer and saleswoman; give full particulars. Chas. L. Stanley, 159 East Front Street, Plainfield, N. J.

WANTED—Assistant grower of general stock; state single or married and give full particulars about experience. Myers Bros., El Dorado, Blair Co., Pa.

WANTED—A well recommended, strictly sober young man for general greenhouse work. One with experience in growing Ferns preferred. J. F. Anderson, Short Hills, N. J.

WANTED—At once, two good competent men; must be sober and reliable, $12.00 the week without board. Apply in person, if possible, to W. Bluethgen, Jr., Hudson Heights, N. J.

WANTED—Two assistants in Rose and Carnation houses; apply at once with references to

THE JOHN YOUNG CO.,
Bedford Station, N. Y.

WANTED—A sober, industrious man, handy at potting, general greenhouse work and planting out flower beds, etc. Salary $12.00 a week. Steady position to the right man. Address, James Ambacher, Florist, West End, N. J.

WANTED—A good reliable working foreman for a retail place; must be strictly sober and thoroughly acquainted with the growing of Chrysanthemums, Smilax and bedding plants. Single man preferred. Apply with references, stating wages required, to H. F., care The Florists' Exchange.

ROSE GROWER WANTED

WANTED—Rose grower for general greenhouse work. Married man preferred. Permanent position to competent man. Call or apply to Edgar C. Hopping, Florham Park, N. J., near Madison via D. L. & W. Road.

NURSERY FOREMAN WANTED.

WANTED—A nursery foreman who is able to take full charge of first-class nursery. Only man with A 1 references need apply.

FERNWOOD NURSERY,
STAMFORD, CONN.
New York Office, 50 West 30th st.

WANTED—A thoroughly capable gardener to take charge of Tree and Shrubbery Department of a high-class suburban development. Must have knowledge of planting and care of all kinds of trees and shrubs, and be capable of handling a gang of men. American preferred. Address, Roland Park Company, Roland Park, Baltimore, Md.

STOCK FOR SALE

BULBS

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices. George Peters & Sons, Hempstead, N. Y.

GLADIOLI—Brenchleyensis, Buchanan, etc., 1st and 2nd sizes, also planting stock; write for prices. Contracts made for Fall delivery. John H. Umpleby, Lake View, N. Y.

STOCK FOR SALE—Dahlia Roots, undivided field-grown clump, White Swan, Pearl d'Or, Kreimhilds, Nymphia, Lyndhurst and Catherine Duer. Send for special price list. Wood & Healey, Hammonton, N. J.

DAHLIA BULBS for the trade at $3.50 per 100; $30.00 per 1000. Not over two bulbs of a kind in a hundred lot; all copper wire labelled with printed name and color; just what you need to sell again. C. Peirce, Dighton, Mass.

Use our columns when having extra stock to dispose of.

STOCK FOR SALE

CHRYSANTHEMUMS

CHRYSANTHEMUMS—Golden Glow, Desjouis, Poehlmann, Pacific, Estelle, Roosevelt, Nonin, Dr. Enguebard, Monrovia, Lynnwood Hall, etc.; strong rooted cuttings, $1.00 per hundred. Ask for list; 25 varieties. Edward Wallis, Atco, N. J.

GLORIA, a large early Enchantress Pink 'Mum; Pres. Taft, a huge glittering White Midseason, both have stems and foliage unsurpassed; R. C. prepaid, $1.00 per 26, $3.75 per 100. Gloria, 2¼ in., $5.00 per 100. Chas. Frost, Kenilworth, N. J.

GERANIUMS

GERANIUMS—S. A. Nutt, fine plants out of 4-in. pots at $6.00 per hundred. Satisfaction guaranteed. This price for April delivery.
BRANT BROS., INC., UTICA, N. Y.

ROSE GERANIUMS, 2½-in., $2.50 per 100. Lemon Verbena, Vinca Var., Stevia and Feverfew, rooted cuttings, 75c. per 100, prepaid. Pansy plants from Fall sown seed, 60c. per 100 prepaid; $3.00 per 1000, express. Chas. Frost, Kenilworth, N. J.

NURSERY STOCK

HYDRANGEA OTAKSA—Very strong rooted cuttings, $2.00 per 100; cash; by express. F. J. Laagenbach, Florist, Norwich, Conn.

CLEMATIS PANICULATA, splendid stock and plants, $1.00 per doz., $6.00 per 100, $50.00 per 1000. Large flowering, purple, red, white and blue, $2.00 per 10. F. A. Baller, Bloomington, Ill.

HYDRANGEA OTAKSA—Rooted cuttings at $1.50 per 100; Scholzeli Ferns, strong plants from the bench at $5.00 per 100. Cash with order, please. J. H. Flesser, Hamilton Ave., North Bergen, N. J.

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA

The true large flowering forcing variety, warranted true 2¼-inch pots at $3.00 per hundred, one year field grown strong 12 to 18 inches, $6.00 per hundred, $55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

ROSES

WILL contract to field grow Roses, Carnations, Violets, etc. New sod soil, free from disease. W. B. Cleves, Binghamton, N. Y.

STOCK FOR SALE—50 Dorothy Perkins, fine 4 year old plants, 6 to 12 stems up to 12 ft. length. Grown on strong clay, $9.00 per doz. Will contract to field grow Roses, Carnations, Violets, etc. W. B. Cleves, Binghamton, N. Y.

ROSE STOCK.

5000 White Killarney, 2½-in. pots now ready at $8.00 per hundred, $75.00 per 1000. Richmond, Brides, Maids, Chatenay, Golden Gate, Killarney and other standard kinds, $40.00 per 1000. Charles H. Totty, Madison, N. J.

MISCELLANEOUS

IVY—Hardy, English, 4-in. pots, very bushy, 3 to 6 ft. tall, $15.00 per 100. John Reck & Sons, Bridgeport, Conn.

ANTHERICUM VARIEGATUM—4 doz. fine plants in 5½ in. pots at $2.50 per doz. to make room. John E. Hand & Son, Center Moriches, N. Y.

STOCK FOR SALE—Hardy Pinks, Sweet William, $3.50 per 100, $30.00 per 1000. Only first-class stock. A. Katzmeier, Warren Point, N. J.

KUDZU VINES, largest stock, strong 1 year, $15.00; medium, $10.00; light grade for potting, $5.00 per 100. Teas Nursery, Cartbage, Mo.

Berberis Thunbergii Seed, 75c. per lb. Ligustrum Ibota Seed, 50c. per lb. Ampelopsis Veitchii Seed, $1.00 per lb. F. N. Hadden, 145 Pond st., Providence, R. I.

REX FLOWERING BEGONIAS—3 to 4 in., $6.00 to $8.00 per 100. Will exchange for best Carnations. Our Begonia customers mostly come back. Herms Floral Company, Portsmouth, O.

SMILAX
for June or July delivery, $12.50 per thousand; fine plants. Geraniums and Salvias all sold. P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

VINCA MINOR, the hardy Vinca for cemetery planting and under trees where grass will not grow. Well rooted layers, $1.50 per 100, $10.00 per 1000. E. Y. Teas, Centerville, Ind.

VIOLETS.
Princess of Wales, Luxonne and California rooted runners clean and free from disease. Cash with order, $1.00 per 100, $8.00 per 1000. Special price for large quantities. Jacques Gillmet, Moylan, Delaware Co., Pa.

ASPARAGUS SPRENGERI out of 4-in. pots at $6.00 per 100. Asparagus Plumosus out of 4-in. pots at $10.00 per 100. Extra fine. Satisfaction guaranteed.
BRANT BROS., INC., UTICA, N. Y.

STOCK FOR SALE

MISCELLANEOUS

IRIS.
Hardy, German Iris, finest mixed, extra strong rhizomes, $3.00 per hundred; $25.00 per thousand; cash, please.
GROVEDALE NURSERIES,
"D" STREET ABOVE WYOMING AVE.,
PHILADELPHIA, PA.

DRACAENA INDIVISA
Extra heavy, 5 inch, as good as most 6 inch, $22.00 per 100; also 6 inch, very strong, $18.00 and $20.00 per 100. This stock cannot be excelled for the price. Morel Brothers, 622 East Market Street, Scranton, Pa.

BEGONIA Lorraine and Agatha—2½-in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 the 500.
Box Trees, all sizes. Ask for special list.
Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

SEASONABLE BEDDING PLANTS

Begonia Vernon, out 4-in. pots, pink and red, strong, $8.00 per 100.
Begonia Vernon, out 2-in. pots, $3.00 per 100.
Dwarf Alyssum, out 3-in. pots, $3.00 per 100.
Lobelia, Blue Dwarf, out 3 in. pots, $3.00 per 100.
Tecoma, Ground Ivy, out 3-in. pots, $3.00 per 100.
Ageratum Blue, out 3-in. pots, $3.00 per 100.
Geraniums, Best Mix., colors, out 4-in. pots, $7.00 per 100.
Geraniums, Best Mix, colors, out 3-in. pots, $4.00 per 100.
Geraniums, Best Mix, colors, out 2-in. pots, $2.50 per 100.
Smilax, out 2-in. pots, $2.00 per 100.
Dracaena Indivisa, out 3-in. pots, $4.50 per 100.
Dracaena Indivisa, out 2-in. pots, $2.00 per 100.
Clematis paniculata, out 3-in. pots, $5.00 per 100.
Clematis paniculata, out 2-in. pots, $20.00 per 1000.
Salvia, Scarlet Sage and Clara Bedham, out 3-in. pots, $3.00 per 100.
Salvia, Scarlet Sage and Clara Bedham, out 2-in. pots, $2.00 per 100.
Asparagus Plumosus, out 3-in. pots, $4.75 per 100.
Samuel V. Smith, 3323 Goodman street, Philadelphia, Pa.

FOR SALE OR RENT

FOR SALE—Florist establishment, 9-room dwelling, 600 feet hot house, 1 acre; 9 miles from Philadelphia. Must be sold. Geo. M. Aman, 1201 Chestnut street, Philadelphia, Pa.

TO LEASE—In Brooklyn, 10,000 to 12,000 sq. ft. of glass in good condition. Place fully stocked. Handy to cars. For further particulars, address I. F., care The Florists' Exchange.

FOR SALE—Greenhouse property of 10,000 ft. of glass, A 1 condition. Steam heating, electric light; the same is stocked with Roses, Carnations and bedding plants. The reason for selling: I have two establishments and must dispose of one. Inquire of W. D. Snell, Herkimer, N. Y.

FOR SALE

Greenhouse establishment with four semi-iron frame greenhouses, good barn and outbuildings. Eight room house with hot water heat, 3 acres of level and fertile ground right near good town and handy to New York market. Trolley passes door. This whole place has been built the last 4 years and is in first-class condition, well stocked and beautiful grounds. Price $12,000. Half cash. Address, H. A., care The Florists' Exchange.

SUNDRIES FOR SALE

SPHAGNUM MOSS, BEST QUALITY, 10 bales $7.00. Write for special prices on car-lots. L. Amundson & Son, City Points, Wis.

FOR SALE—Best brands greenhouse glass, all sizes at special low prices. Small or large lots. C. S. Weber & Co., 10 Desbrosses st., New York City.

FOR SALE—Three Standard make typewriters; will sell very cheap. All in perfect running order; will box for shipment. "Typewriters," care The Florists' Exchange.

TOBACCO DUST AND STEMS. Dust in cases, 200 lbs., 3c. per lb.; stems in bales, 200 to 250 lbs., $1.60. Cash with order. Money back if you say so. S. R. Levy, Binghamton, N. Y.

FOR SALE—No. 4 Scollay Portable Hot Water Boiler, 700 square feet capacity; will carry 1160 lineal feet 2-in. pipe; good condition. $50.00. F.O.B. New York City. R. C. Vernes, 176 Senator street, Brooklyn, N. Y.

FOR SALE—All kinds of greenhouse material.

SPECIAL THIS WEEK—200 boxes 10x14 double thick glass, 3000 feet of 4-in. Hitchings pipe, very cheap, at James Monahan's Greenhouses, 22 Belmont ave., Madison, N. J.

I. SUESSERMAN, 229 Livingston st., Newark, N. J.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

TO EXCHANGE—600 well established 3-inch Heliotrope for Asparagus Sprengeri or Plumosus, Ferns, or Geranium, La Favorite. Frank B. Place, No. 4, Dighton, Mass.

FOR SALE

RADIATORS Steam, 1½c. per lb.; hot water, 2c. per lb. Guaranteed. All sizes in stock.

BOILERS The following new, round, portable hot-water boilers—guaranteed, 16-in., rated to heat 1,125 sq. ft. of glass, $34.00. 19-in., rated to heat 1,500 sq. ft. of glass, $46.00. 22-in., rated to heat 2,250 sq. ft. of glass, $64.00. 25-in., rated to heat 3,075 sq. ft. of glass, $90.00. Get our prices on second-hand boilers. We have one of the largest stocks of new and second-hand round and sectional hot-water and steam boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Car load extra heavy iron 2-in. pipe, 20 ft. lengths, weighing 100 lbs., at 5½c. per ft., including threads and couplings, in 1000 ft. lots. Pipe cut to sketch.

PIPE TOOLS Large Stock—All Makes and Sizes—Send for Special prices.

STILLSON WRENCHES New, guar. 18 in., capacity 2 in., $1.20. 24 in., capacity 2½-in., $1.80. Flat chain wrenches, No. 3, capacity ¾ to 6 in., $3.85.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

CARNATION SUPPORTS About 10,000 at $4.00 per 1000.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

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CLIMAX MANUFACTURING CO.
Box 200 - - - Castorland, N.Y.
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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Springfield (O.) Florists' Club

Roger Murphy, C. L. Reese, C. P. Bethard, John M. Good, and George D. Leedle, were placed in charge of the Fall flower show at a meeting of the Club held March 24. Plans for the event were suggested by many of the members. Assurances were received from the Y. W. C. A. that it would co-operate with the Club in this matter. It was suggested that the top floor of the Fairbanks building was an ideal place to hold the show. It is expected that it will be largely attended by people from the city and county. Every member of the Club, including the leading florists of Springfield, pledged their hearty support to the show. A list of premiums is being prepared. Competition will be open to local amateurs and out-of-town florists.

Florists' Club of Philadelphia

A regular monthly meeting of the Florists' Club of Philadelphia was held at the Club rooms in Horticultural Hall on Tuesday evening, April 5. In the absence of the president, Joseph Heacock, Alfred Burton, vice-president, occupied the chair. The following new members were elected: A. V. Cartledge, Jr., Nelson T. Geiger, H. W. Collins. Candidates for membership were as follows: Lewis A. Catherey, Thomas Dale, Hilborn Darlington.

The chairman introduced Henry I. Faust of Merion, Pa., who read an instructive and interesting paper on the growing of Lilies, which will be found elsewhere in this issue. A vote of thanks was passed to Mr. Faust at the conclusion of the reading.

Some discussion of the paper then followed. Geo. Anderson said that he considered multiflorum a much better Lily than giganteum; that it gave a much better flower, was a much better seller and was no more subject to disease.

D. T. Connor inquired more particularly about the falling of buds.

Frederick Hahman attributed the falling of buds to excessive moisture rather than heat. He also inquired why good multiflorum could not be obtained as well as good giganteum, instead of multiflorum mixed with giganteum. He agreed with Mr. Faust that we should grow less and better Lilies. Mr. Faust in reply to an inquiry from Mr. Connor said that the quicker Lilies grew the taller they would become, and that two feet was tall enough for a pot plant.

Frederick Hahman again took up the discussion complaining that his giganteum averaged less than three flowers, and that his October planted bulbs gave the poorer results.

Eugene Bernheimer took exception to the statements of Mr. Faust and Mr. Farenwald that there was already too much glass going up.

David Rust stated that the general public were guided on prices of Lilies by the prices of Lilies in department stores, who used them as an advertisement and sold at cost, and that he, last year, by arranging with the leading growers of Lilies obtained 12c. each from department stores. Mr. Faust remarked that department stores paid as much as florists and were not so critical as to quality.

A vase of Callas was exhibited by Samuel Batchelor of Jenkintown, Pa., for which the committee on exhibits, John C. Grace and Leo Niessen gave cultural commendation.

About sixty members were present. The meeting adjourned at 9.45 o'clock, after a pleasant and profitable evening.

The Hubert Bulb Co.
of Portsmouth, Virginia

Now have a splendid collection of **Darwin Tulips** in full bloom.

Sample blooms will be sent to intending purchasers on application.

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Fresh Stock
Guaranteed True Type
ORCHIDS
No Greenhouses
Direct to You
JUST ARRIVED
200 cases **Cattleya Trianae** in perfect condition. If potted now **will flower this season.** Order at once.
Cattleya Labiata, due in two weeks.
G. L. FREEMAN CO., Fall River, Mass.
Please mention the Exchange when writing.

Florists' Club of Washington, D. C.

The Club met on Tuesday night at Gude's store, 1214 F st., with the new president, John Robertson, in the chair. After reading minutes of previous meeting ex-Pres. Krammer paid high tribute to Mr. Edw. S. Schmid who supplied the excellent talent for last meeting night, making it a banner occasion of its kind, and a further tribute to Wm. F. Gude for use of his store for the purpose.

This being the night for the annual banquet, and no feast laid, excuses were in order. "The Easter rush," was such that the committee in charge had not had the time to devote to the matter, so the present meeting will be held open until after the banquet which will take place one night next week, due notice being given. It was moved that a committee of five be appointed to look into the matter of having a show during the Fall of 1910 as usual. The names of the committee will be made known at the banquet.

At 9.45 the Club adjourned to partake of a dainty repast prepared by Wm. F. Gude. Hugo Mullertt, formerly a celebrated producer of gold fish in this country, and one of the organizers of the S. A. F. at Cincinnati, was present, and spoke entertainingly to the Club. Mr. Mullertt now resides in Germany but visits this country every two years.

JAS. L. CARBERY.

Elberon (N. J.) Hort. Society

This Society held a meeting on April 4, President Peter Murray in the chair. R. R. Hughes read a paper on "Landscape Gardening," which was very interesting and opened up a large field for discussion in which every one present took part. Mr. Hughes talked for some time on the best trees and shrubbery to plant along the coast and also the best Grass seed mixture to use for the lawns. The awards for competition were as follows: Wm. Seymour, Callas, 92; D. Kelley, Cauliflower, 90; P. Murray, Gardenias, 89; P. Ewen, Dracænas, 85; C. Duncan, Roses, 75; A. Bauer, Tulips, 70.

ALEX. FLEMING, Rec. Sec.

PITTSFIELD, MASS.—Easter business was better this year than last. Lilies, Azaleas, and bulbous stock in pans and pots were most in demand, and all kinds of cut flowers, especially Violets, sold well. Roses, excepting American Beauty, retailed at $2 per doz.; Carnations $1 per doz. Lilies brought 25c. per bloom, and Violets $1 to $2 per 100. Business was better with everything but yellow stock.

L. W. ACHESON.

CARNATION, Beacon
From 2½-inch pots, $35.00 per 1000

Princess of Wales Violets
Rooted Runners, $9.00 per 1000

SEA CLIFF NURSERIES, SEA CLIFF N. Y.
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Norway Spruce
A well-rooted, shapely lot of trees, 2 or more times transplanted.
500—12 to 18 in.....at $5.00 per 100
500—18 to 24 in.....at 8.00 per 100
500— 2 to 3 ft.....at 12.00 per 100
500— 3 to 4 ft.....at 20.00 per 100
MAURICE J. BRINTON, Christiana, Pa.
Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale
5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.
15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.
25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.
All the above pipe are guaranteed to be in good condition, free from holes or splits.
All size second-hand pipe, and boiler tubes at low prices.
EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y
Please mention the Exchange when writing.

New Orleans

If Lilies were scarce at Easter, Hyacinths and other bulbous stock were plentiful and good. Some of the Lilies shipped to this city were away below the average. The condition in which Carnations, some of them, reached the consignee, proved without a doubt that it was salted stock. The writer saw some that simply could not be offered for sale and this practice of shipping such worthless stock cannot be too strongly condemned.

Robert Reinecke will take a trip to Europe this Summer, visiting his aged mother in Germany. CRESCENT CITY.

Newport, R. I.

The lecture at the Horticultural Society's next meeting, April 12, will be by E. O. Orpet, South Lancaster, Mass., whose subject will be "Orchids."

The condition of Henry M. Wilson has considerably improved and he is now considered out of danger.

James McLeish, who has been housed with the grippe is now able to be about.

E. Kempeneer of the firm of Bulk & Kempeneer, Boskoop, Holland, has leased some land on Champlin st., this city, and is to engage in the propagation and cultivation of nursery stock. Roses are to be one of his specialties.

B. A. Bohuslar, for 7 years foreman and propagator at the Rhode Island Nurseries, has leased three acres of land and will give his whole time to the propagation of nursery stock for the wholesale trade. He expects to be able to compete with the foreign growers, giving special attention to the propagation of some plants which have heretofore been neglected by our home growers.

Andrew J. Pow, for the past nine years head gardener at The Breakers, Mrs. Cornelius Vanderbilt's, has tendered his resignation, to take effect April 15. Mr. Pow is a good plantsman and will be missed at the Horticultural Society's exhibitions.

ALEX. MACLELLAN.

PLANTS AND ROOTED CUTTINGS
Fine, Clean, Strong, Well-Rooted Stock

Roses from 2½-inch Pots

	100	1000
Pink Killarney	$4.50	$40.00
My Maryland	6.00	50.00
Richmond	3.00	25.00
Chatenay	3.00	25.00
Bride	$3.00	$25.00
Bridesmaid	3.00	25.00
Uncle John	4.00	35.00
Ivory	4.00	35.00
Perle	4.00	35.00

Carnation Cuttings

	100	1000
Winsor	$2.00	$15.00
Rose Pink Enchantress	1.50	12.50
Lawson	1.50	12.50

PETER REINBERG, 35 Randolph Street, Chicago

Please mention the Exchange when writing.

Your Protection in Buying Ribbons Is

The Pine Tree

Every piece of Ribbon or Chiffon having this green label on it, is particularly adapted to the Florists' use. These Ribbons are deep, rich toned qualities, having a beautiful finish with prices as low as a manufacturer dare make them. We give you better Ribbons than any jobber can afford to.

Why not get our samples, examine them and save money on your purchases, as well as get the best Ribbons and Chiffons to be had in any market.

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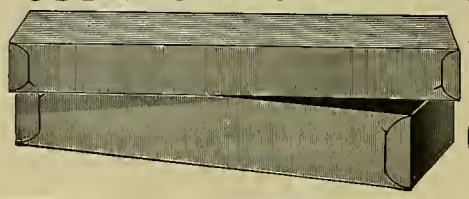

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FANCY OR DAGGER FERNS, $1.25 per 1000.
GALAX, bronze or green, 75c. per 1000.
Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale.
GREEN MOSS, $1.25 per barrel.
Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods.
SMILAX, 50 lb. cases, $6.00.
PINE, 7c. per lb.

Partridge Berries, $2.00 per 1000 or 10c. per bunch of 50 sprays.—Order now. Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $12.00 to $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

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Henry M. Robinson & Co., Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS
HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES
Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.
Dagger and Fancy Ferns, $1.50 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.
A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.
Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS**

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WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Moss.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

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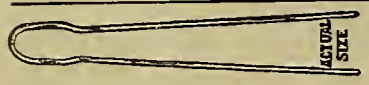

TIME IS MONEY Save half the time greening your designs by using Florist Greening Pins. 20c. per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c. per lb. Write for prices on larger quantities.

WM. J. SCHLATTER & SON, 422 Main Street SPRINGFIELD, MASS

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E. A. BEAVEN
EVERGREEN, ALA.
LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

The Easter Trade

With a view to ascertaining, exactly, trade conditions at Easter in different sections of the country, the following questions were submitted by the publishers of The Florists' Exchange:

A—Compared with last Easter, was business better or worse?
B—What plants were most in demand?
C—What cut flowers were most in demand?
D—What was the retail price on Roses, per dozen? American Beauty, other Reds, Pink, White, Yellow.
E—What was the retail price on Carnations, per dozen? White, Red, Pink, Variegated.
F—Also, what were the prevailing prices for: Gardenias, each; Cattleyas, each; Lilies, each; Violets, Wallflowers, Sweet Peas?
G—What is your opinion of the Easter trade in general this year compared with that of last year? Was it better or poorer?

The answers received are embodied in the following reports:

ADAMS, MASS.—A—20 per cent. better. B—Lilies, Azaleas and Genistas. C—Carnations and Violets. D—White $1.50 to $2; pink $1.50 to $2. E—75c. to $1; White and Pink Enchantress and Winsor. F—Lilies, each, 20c. to 25c.; Violets, $1.50 per 100. G—Very much better. T. D. B.

ATLANTA, GA.—A—Volume larger; prices less. B—Lilies, Azaleas, Hydrangeas, Spiræas. C—Lilies, Carnations and Roses. D—$1.50. E—$1.50; Enchantress and variegated. F—Lilies, each, 25c. Better, but warm weather made Easter stock more perishable and more expensive to handle. The percentage of profit was less than former years. WEST VIEW FLORAL CO.

CHILLICOTHE, O.—A—Better in general. B—No particular variety. C—Roses and Carnations. D—White, Bride, $1 to $1.50; pink Killarney and Richmond, $1 to $1.50. E—75c. for firsts, 50c. for seconds; Enchantress pink and white, Victory. F—Lilies each, 25c.; Violets, $1.50 single; Tulips, Daffodils and Narcissus, 60c. to 75c. per doz.; Hyacinths, cut, 10c. each. G—With us it was by far better, as we ship the most of our Roses and Carnations out of town. The home trade I think was poorer. I think if the people here had been taught how to use or make use of flowers our Easter would be better. We find it hard to bring people to a large city style, as hampers and plant baskets were never shown here until we came, so you can see it will take some time. Last year we sold but one hamper, this year 15. Decorated plants were never seen, except with green scrim on the pots and wrapped up in a newspaper. Do you wonder that some of the country florists complain? If they would go to some large city and see out brother florists' style I think less complaint would be heard. CHAS. JOHNSON.

COLUMBUS, O.—A—Much better. B—Azaleas, seemed to be in the lead. Rhododendrons, Lilies, and pot Roses, mostly Crimson and Baby Ramblers, sold well. C—Carnations took the lead. The demand for Sweet Peas was heavier than ever experienced here before. The demand for Violets was good, but stock arrived in bad order. D—$1.50 to $4 per dozen, red varieties sold out first, American Beauty $6 to $10. E—75c. to $1.50 per doz. F—Lilies, 25c.; Violets, 50c. to 75c. per bunch; Sweet Peas, $1.50 to $2 per 100. G—Local florists generally declared that not only the Easter trade but that for several days before and after was the best they had ever known. C. D. B.

DENVER, COLO.—A—Very slight increase. B—Roses of the Rambler type. C—Violets and Carnations. D—American Beauty, $5 to $12; white, $1 to $3; pink, $1 to $4. E—$1. F—Lilies, each 25c.; Violets, $2 per 100; Sweet Peas,

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside
All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.26	28x6x4	$4.50
18x5x3	2.35	30x6x3½	3.76
24x5x3½	3.00	36x6x6	6.60
21x7x3½	3.26		

Printed free in lots of 300 or more; 60c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

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16x16x8	$8.00	36x14x10	$16.50
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Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

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Orders by Telegraph

For twenty-five cents, cash, we will forward you a handsomely printed card, worth framing, which you can hang in a conspicuous part of your store, to let your customers know you "fill orders for flowers, plants or floral designs to any point" by telegraph.

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No. 2 Duane St., N. Y.

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Wholesale Commission Florists
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USE KRICK'S
Perfect Handles and Hangers
Just the thing for Easter.
When crowded for space will sustain the weight of 100 pounds.
Sample and prices on request.
CHAS. A. KRICK
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CUT FLOWER BOXES
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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

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SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

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Also Florists' Novelties, Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.

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10,000, $1.75; 50,000, $7.50

Manufactured by

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Samples free. For sale by dealers

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Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY

962 Mill Street, KENDALLVILLE, IND.

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Southern Wild Smilax

Now ready for shipment.

Write, wire, or 'phone the introducers.

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EVERGREEN, ALABAMA

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WHOLESALE PRICE LIST

GALAX, FERNS AND LEUCOTHOE Direct from the woods to the dealer.	Per 1000
Galax; green and bronze	$0.50
Ferns, dagger and fancy	1.00
Green Leucothoe Sprays, regular lengths	2.00
Green Leucothoe Sprays, 10 to 15-in.	1.00

Special prices on lots of 100,000 and up.

Terms, strictly cash, f. o. b. Elk Park, N. C.

NORTH CAROLINA EVERGREEN CO., Banners Elk, N. C.

Please mention the Exchange when writing.

$1.50 per 100. The cut flower end of the game is getting less and less each Easter and the plant sales increasing. March weather was very warm and sunny—temperatures as high as 80° in the shade and not a drop of rain during the month, so that some plant stock was rather overdone.

PARK FLORAL CO.

EAST LIVERPOOL, O.—A—Same. B—Lilies and Hyacinths. C—Carnations and Lilies. D—White, $3 to $5; pink, $3 to $5. E—75c. to $1, White Perfection, Enchantress, Lawsons. F—Lilies, each 25c.; Violets, $1.50; Sweet Peas, 25c. G—Did not notice much difference.

CHAS. PETERSON.

GRAND RAPIDS, MICH.—A—Considerably better, aided materially by favorable weather. B—Lilies, and Azaleas, while a quantity of Lilac, Rhododendrons, and bulbous stock in pans sold out clean. C—Carnations took the lead followed by Roses, cut Lilies, Violets and bulbous stock. D—American Beauty, $2 to $6; white, $1.50 to $2; pink, $1.50 to $2. E—75c. per doz.; with department stores selling at 35c. per doz. The leading varieties were Enchantress and Lawson families, Beacon and White Perfection. F—Lilies, each 25c.; Violets, 50c. per bunch of 25; Sweet Peas, 25c. to 35c. per doz. G—Easter trade was much better than last year; everything salable, including bulbous stock cleaned up closer than for many years. One noticeable feature was the heavy sales of one of the department stores, where abnormally low prices prevailed. Good Carnations could be had for 35c. per doz. and pot Lilies 15c. per bud against the florists 20c., and every other flower and plant in like proportion. Another department store, in its efforts to draw trade to itself, paid $30 per 1000 for its Carnations and sold them for 35c. per doz., a loss of 1c. per doz. only, allowing that every flower sold. They must set a high value on its advertising advantage.

G. F. C.

JOLIET, ILL.—A—Better. B—Lilies, Daffodils, Tulips, Hyacinths. C—Lilies and Roses. D—American Beauty, $5 to $10; white, $1.50 to $2; pink, $1.50 to $2; other Roses, $1.50. E—75c. to $1; White Perfection and Enchantress. Lilies, each, 25c.; Violets, $1.75 per 100; Sweet Peas, $1.75 per 100; Cattleyas, each, $1. G—Decidedly better.

JOS. LABO.

NEW BEDFORD, MASS.—A—Better if anything. B—Lilies, Tulips in pots, Daffodils, Azaleas, Cyclamens, Primroses and Ferns sold fairly well. C—Roses, and Carnations. Tulips and all bulbous stock sold well. Violets were in big demand, not half enough to go round. D—$2.00. E—75c. to $1; Enchantress, Fair Maid, Beacon, Winsor, White Perfection, Boston Market. F—Lilies, each 25c.; Violets, $1.50 per 100; Sweet Peas, $1 per 100 blooms. G—Easter trade for 1910 was as good and in the writer's opinion even better, from all accounts. Everyone is well satisfied with Easter. American Beauty Roses, Orchids, and Gardenias are not much called for here, our class of trade not being in a position to pay for them. All are tired but satisfied, and wearing the smile that won't come off.

HORTICO.

NEW ORLEANS, LA.—A—Quite an advance on previous Easters. B—Azaleas, Hydrangeas, Spiræas, Hyacinths, a scarcity of Lilies in pots. C—Roses, Carnations, Lilies being scarce were soon sold out. D—American Beauty, $8 to $15; white, $3 to $4; pink, $3 to $4; other Roses, $5 to $8. E—$2 to $3; Enchantress, pink and white, and the usual standard varieties. F—Lilies, $4 to $5 per doz.; Violets not called for much; Cattleyas, each $1 to $1.25. G—Much better. There was a great demand for flowering plants this Easter. Azaleas were particularly well flowered and sold well. There were some nice Hydrangeas to be seen in pots. Spiræa was a good old standby for Easter. Eble had a good demand for his especially well grown Phoenix Roebelinii. Metairie Ridge Nursery Co. had Rose Tausenschön, both trained and bush specimens, finely flowered. Seldom at Easter has there been such a cry for Lilies; it could not be satisfied.

CRESCENT CITY.

OMAHA, NEB.—A—About the same. B—Lilies and Hyacinths. C—Carnations and bulbous stock. D—White $1.50; pink $1.50; other Roses $1 to $1.50. E—$1 to $1.25. Enchantress pink and rose pink. F—Lilies, each 25c.; Sweet Peas, $1.50 per 100. G—Business would have totaled somewhat more than last year had not the hot spell of a few days prior to March 26, softened the stock so that the shrinkage was more than in any year in my memory. Lily plants, after the spoiled flowers were taken off, were sold for what they cost and in many cases less.

J. H. BATH.

PATERSON, N. J.—A—Good. B—Hyacinths, Lilies, Cinerarias. C—Carnations, Callas. E—75c. F—Lilies, each 15c.

MARTIN WERNE.

POMONA, CAL.—A—The same. B—Azaleas and Cyclamens. C—Carnations. D—No call for Roses as there are so many growing outdoors. E—Greenhouse $1, outdoor 25c., for all sorts.

O. ROESSNER.

SYRACUSE, N. Y.—Trade with us was nearly doubled in some lines, notably in Lilies and Azaleas, which were sold out early. Violet plants in small baskets and pans were eagerly bought, as also Pansy plants in baskets. Baby Rambler Roses were not in sufficient supply, though numerous. Sales on fancy baskets doubled. Sales on fancy Roses were lighter than last year. There was a heavy demand for Carnations, and a good demand for Valley and Sweet Peas. Violets doubled. Heavy call for potted plants in all lines. In Daffodils, Emperor, and Bicolor Empress were best sellers, both cut and in pans. Higher prices realized than last year, especially in Azaleas.

J. B. B.

WILMINGTON, DEL.—A—Better. B—Lilies, Hyacinths and Tulips. C—Carnations. E—From 50c. to $1.25. F—Lilies, each 15c. G—Very much better, everybody cleaned up well, weather being ideal.

W. H. VANCE.

CULTURAL DIRECTIONS

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

A. T. DE LA MARE CO. (Pubrs. F. E.).
P. O. Box 1697, New York

Rhododendron Maximum
Hemlock Branches
for Cemetery Use

Always Fresh
From the
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LOG MOSS in Large Sheets

Good Green Color—Well Dried

$1.60 PER BAG

ORDER NOW

Alleghany Mountain Evergreen Company

FARMINGTON, PA.

Please mention the Exchange when writing.

Baltimore

We are enjoying Summer weather instead of Spring. The country resembles Summer time, with the shrubbery in full bloom, trees beautifully leaved, all kinds of hardy plants in full bloom, and fruit trees in blossom. We are one month ahead of the usual season. Flowers and vegetables are making great headway. However, we are not out of the danger time, as frost may make an appearance yet and if it does the beautiful showing will be ruined.

Trade has kept up fairly well. Many pot plants for garden purposes are being disposed of. Cut flowers are still plentiful, the open weather setting things humming. Roses are still heavy in supply. Carnations are plentiful and bringing good prices. Callas are coming in heavily. Violets are on the decrease. Bulbous stock is still in heavy supply, Narcissus very abundant. Sweet Peas are holding their own. Pot plants of various kinds are quite plentiful, and greens of all kinds a little more regular in supply.

A surprise and birthday party was given to John Williams, Ruxton, Md. on April 1, at his home. About forty guests were present, including many gardeners and their wives, to extend their congratulations. The home was tastefully decorated with various kinds of cut flowers and potted plants. An enjoyable evening was spent, many games being indulged in and a hearty feast enjoyed. Mr. Williams is one of the best known gardeners in his section and has charge of the beautiful country place of R. C. Hoffman.

Shortly after Easter Frederick Fauth of Woodlawn, Md. disappeared from his home and left his business entirely in the hands of his father. No reason for his act is ascribed, unless it is to get out of the florist business. His father is conducting the business until further arrangements can be made. Mr. Fauth is well known to the trade in Baltimore and Washington, and was successful.

Pattison & Gahan, auctioneers, sold last Wednesday a large quantity of Rose bushes and various other ornamental plants. All came from P. Van Tol, Jr., Boskoop, Holland.

Walter Conroy, W. Franklin st., the new florist, reports a rushing business this week, especially in funeral work.

The street market flower merchants have been forbidden to offer for sale their cut flowers on the outside of the market line on stalls. Tuesday morning one of the boys offered his flowers for sale. At the time the writer was present, and three policemen were enforcing the ruling. One of our large department stores has also protested against their standing on the street. A short time ago a delegation of these street men called on the mayor and they were advised to take out a license to sell perishable goods. After doing so they were not allowed to sell on the streets unless they kept moving and selling from a basket, which, of course, it was impossible to do. The growers expect to make a test case when one is arrested. One of our growers said the new order of things would be a drawback to the trade. The Florists' Exchange will be one house to feel the effect, as the street boys handle great quantities of the surplus stock that accumulates there.

J. Bolgiano & Sons are doing a rushing business. They recently shipped 4000 bags of seed Potatoes and disposed of four carloads of incubators. Their seed business has been steadily increasing.

J. F. T.

Richard Vincent, Jr. and wife have left White Marsh for England, where they are due about April 17. After spending a few days in that country, they will leave for Holland and Belgium, as previously related in these columns, returning again to England May 3, and sailing for home May 14 on S. S. Columbia. Mr. Vincent says that Gude Bros. of Washington, D. C., are going to send, by fast steamer, a vase of American Beauty Roses to be set up in the Haarlem Show. Mr. Vincent has a beautiful American flag, and should the Roses be in good condition he will display the flag in connection with the exhibit.

TAMPA, FLA.—Gardens are to be laid out and a florist's establishment opened at the junction of Grand Central ave. and Bay blvd. Mr. Newman of Boston is at the head of the enterprise.

CHRYSANTHEMUMS ROOTED CUTTINGS READY NOW

WHITE	Per 100
OCTOBER FROST	$2.00
ESTELLE	2.00
POLLY ROSE	2.00
ROBINSON	2.00
WHITE CHADWICK	3.00
MERRY XMAS	3.00
YONOMO	2.00
MRS. BUCKBEE	2.50

	Per 100
SNOW QUEEN	$2.50
WHITE IVORY	2.00
C. TOUSET	2.00
YELLOW	
MONROVIA	2.00
ROBT. HALLIDAY	2.50
GOLDEN BEAUTY	2.50
GOLDEN GLOW	3.00

PINK	Per 100
PINK IVORY	$2.00
ROSIERE	2.00
DR. ENGUEHARD	2.00
RED	
INTENSITY	2.00
BLACK HAWK	2.00

WIETOR BROTHERS, 51 Wabash Avenue, Chicago, Ill.

Please mention the Exchange when writing.

HAVE YOU DECIDED JUST WHAT TO PLANT FOR 1910 IN

CHRYSANTHEMUMS?

Some of the introductions of the past few years are specially adapted to Florists' use and should be included in your list.

Let us either price the list you will require later or suggest the kinds that are easy to manage and give perfect results.

IT COSTS NOTHING BUT THE ASKING

ELMER D. SMITH & CO.
ADRIAN, MICH.

Please mention the Exchange when writing.

EISELE'S WHOLESALE TRADE LIST

FERNS, Boston and Scottii. From 3-in. pots, $5.00 per 100.
FUNKIA variegata, strong plants, 4½-in. pots, $1.00 per doz.
CLEMATIS, large-flowering varieties, 2-year-old plants; Jackmanni, Henryi, Mme. Veillard, $3.00 per doz.
CLEMATIS paniculata, strong plants, $10.00 per 100; 3-in. pots, $5.00 per 100.
DRACAENA Indivisa, 4-in. pots, $10.00 per 100.
GERANIUMS, Mrs. Parker, 3-in. pots, $5.00 per 100.
PASSIFLORA coerulea, 3-in. pots, $5.00 per 100.
PASSIFLORA Pfordti, 4-in. pots, $1.00 per dozen.

Plants from 2½-in. pots, $3.00 per 100: ACHYRANTHES; LOBELIAS, double and single blue; PARLOR IVY; VINCA variegata; MOONVINE, the true large-flowering white variety; AGERATUM, blue; SALVIA, Bonfire, Zurich; COLEUS, Verschaffeltii, Golden Bedder, Queen Victoria, Quatricolor.

STOCK from 3-in. pots, $4.00 per 100: GERANIUMS, asst. varieties, single and double; GERANIUMS, Rose and Nutmeg; DAISIES, white and yellow; LANTANA, Le Naine; FEVERFEW, The Gem; IVY GERANIUMS; IVY, Hardy English; EUONYMUS radicans and Golden Variegated.

ROOTED CUTTINGS $1.00 per 100: SALVIAS, Bonfire and Zurich; COLEUS, Verschaffeltii, Golden Bedder, Queen Victoria, Quatricolor; ACHYRANTHES Lindenii; PARLOR IVY.

CARNATIONS, R. C., $2.00 per 100, from soil. Elbon, best scarlet; Boston Market.

CARNATION Napoleon III. Best hardy everblooming, crimson flowers, 2½-in. pots, $3.00 per 100.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

NEW CHRYSANTHEMUM

Mrs. Jane Cockburn

EARLY PINK

Ready for February and March delivery. Blooms first week in October. Beautiful mauve pink. Good keeper and shipper.

$6.00 per 100, $50.00 per 1000

Five hundred at one thousand rate.

First come, first served

SAMUEL COCKBURN & SONS
233rd St. and Verio Ave., Woodlawn
NEW YORK CITY

Please mention the Exchange when writing.

Chrysanthemums

All the Standard Varieties

POMPONS and SINGLES

$2.00 per 100, $15.00 per 1000

Stock guaranteed true to name

GEO. B. HART
24 Stone St., ROCHESTER, N. Y.

500,000 PANSIES

BEST MARKET STRAIN GROWN

Grown from seed of our own raising, this strain is the result of over 25 years' careful selection and for size, form and substance and wide range of color in clear, brilliant selfs and novel shades and markings, they will be found unsurpassed. The colors are very evenly assorted and the growth is very strong and stocky. Fall transplanted plants ready to bud and bloom.

Price $10.00 per 1000. Larger Sizes $15.00 and $20.00 per 1000.

EXPRESS ONLY CASH WITH ORDER

I. E. COBURN, - 291 Ferry Street, - EVERETT, MASS.

GERANIUMS

Nutt, D. Grant, Poitevine, Buchner, heavily branched, 3-in., $4.00 per 100.
Mme. Salleroi Geranium, Salvia Bonfire and Splendens, Ageratum, blue, extra strong, 2 and 3-in., $15.00 and $25.00 per 1000.
Dreer's Superb Single Petunias and Mammoth Verbenas, stocky, 3-in., $2.50 per 100.
Dracaena Indivisa, large, 5-in., $4.00 per dozen.
Coleus, 12 varieties, strong, 2-in., $1.50 per 100, $14.00 per 1000.
200,000 finest BEDDING PLANTS for May.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

Catalogs Received

J. AUG. DRAKE, Chester, N. J.—Price List No. 10, covering Drake's "Satisfactory Seeds." This is a well gotten up catalog of vegetable and flower seeds, embodying accurate descriptions without exaggerations, and well illustrated.

WM. F. TURNER & CO., New Bedford, Mass.—Catalog of Selected Prize Medal Dahlias for 1910. A very interesting publication of 20 pages, covering a general collection of all the best varieties of Dahlias as well as some new ones of the firm's own introduction.

VALDESIAN NURSERIES, Bostic, N. C.—Spring, 1910, Price List of Ornamental Trees, Hedge Plants, Flowering Shrubs, Roses, Roots, Small Fruits, and Grape Vines. Hedge Plants are a specialty with this concern, among the stock carried being six varieties of Privet, of which the Amoor variety is a leader and one recommended as absolutely hardy.

SPY HILL CONSERVATORIES, Fishkill-on-Hudson, N. Y.—Descriptive Catalog of Vegetable Seeds, Flower Seeds and Decorative Plants. The catalog contains 32 pages, devoted to an excellent line of Seeds, Summer Bulbs, Garden Plants, Geraniums, Palms, Roses, Shrubs, etc. It appears within a plain white cover bearing a representation of Spy Hill.

B. HAMMOND TRACY, Wenham, Mass.—"Cedar Acres Gladioli Bulbs that Bloom." Under this title comes a handsome little catalog, in pocket shape, embracing a collection of named Gladioli, among which are some excellent seedlings introduced by Mr. Tracy. Several excellent half-tone illustrations are used, and the front page of the cover shows Gladiolus Harvard, a splendid new crimson variety of Cedar Acres introduction.

E. C. HAINES & CO., Bedford Hills, N. Y.—Catalog of High Grade Seeds, Plants, Bulbs, Shrubs, Trees, Fertilizers and Implements. This is a 48 page publication, well printed, and bound in neat green covers and covers a line of vegetable and flower seeds which has reached perfection in a business of 30 years establishment. The section devoted to shrubs, trees and plants is well arranged, and embraces about everything ordinarily called for, all correctly named and described. The catalog is profusely illustrated with fine engravings.

Cleveland, O.

The J. M. Gasser Co. moved into its new quarters in the Ball Building April 1. As a "goodby" to the old location the company advertised that on March 31 it would present to all callers a half-dozen fresh Roses. The company states, in regard to this distribution: "We had no idea there would be such a generous response, nor of what a lot of work we were making for ourselves. The result was that we were simply swamped with applicants; and although we had extra help to serve the people and advertised we would give away 12,000 Roses, yet we were compelled to close our doors at noon to keep out the crush, and we gave away about 17,000 Roses, besides Carnations, etc. Our object in doing this was, first, to clean up an overloaded market; secondly, to keep the flowers out of the hands of street fakirs, and, thirdly, as an advertising medium. This week we work off our "surplus" by turning over 10,000 or 12,000 Roses to one of the leading newspapers for distribution to all the hospitals and homes for the aged in the city. In this case we work together, and the paper gets up quite an article in regard to the free distribution of Roses with illustrations, etc."

Snow-White Sport of Helen Frick

CHRYSANTHEMUM

From 2¼-inch pots	$10.00	per 100
Rooted Cuttings	8.00	" "
Unrooted Cuttings	5.00	" "

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

Cucumbers Under Glass

Would like to have some information as to the culture of Cucumbers in the house. About what temperature should they be kept at? Should they be syringed and how wet should I keep them? My varieties are the Duke of Edinburgh, Telegraph and White Spine. How should these be trimmed or pinched for a good crop?—F. B., Pa.

There should be no difficulty in producing Cucumbers in almost any style of a house, at the same time. If Inquirer had stated the style or structure of his house the question could be answered more intelligently.

All the varieties mentioned may be grown successfully together from Spring until Fall, but for Winter treatment the White Spine type can be grown in five degrees less heat, which is quite a consideration in coal consumption. A good temperature for Cucumbers at this season is 70° night, 80 to 85° day. For Winter culture they may be grown successfully in five degrees less, both night and day.

Cucumbers delight in a moist, humid atmosphere at all times, with syringing both morning and afternoons, excepting on dark and cloudy days, when spraying would be of no benefit, but rather a disadvantage. From now on a light shade is a decided improvement over the clear glass; just enough to break the strong rays of the sun. The vines should never be allowed to get very dry. Neither should they be kept saturated to the extent of souring the soil. The best plan to follow is to give a thorough watering, then no more until necessary.

Cucumbers are grown in both solid beds and raised benches; they will flourish under either system, particularly from early Spring until Fall. For Winter work, however, I would certainly recommend raised benches with pipes running under the bench to keep the roots warm.

Dealing with the Telegraph types it is best to plant them in a position where they may be trained up the front, far enough from the glass to prevent the foliage from crowding against it; 15 or 16 in. would be about right; plant in hills, 3 to 3½ ft. apart. Allow the vines to grow to the length of 6 ft. or so before pinching the main growth; strong lateral growths will then start away from it. These should be secured to the trellis; these laterals, when about 18 in. may also be pinched; by so doing the first crop will be hastened. As the laterals grow pinch again; then, later, maybe the foliage will be getting a bit crowded; if this occurs cut some of the weakest parts of the vine away; the aim should be to have the trellis covered with foliage, but avoid crowding.

A satisfactory compost for best results is a sandy loam; if procured from pasture land so much the better, having in mind that the ideal compost is one the roots can penetrate through rapidly. A quick substantial growth is desirable for best results. If any manure is added to the soil it should be thoroughly decayed.

When the Cucumbers are in bearing a watering once a week with manure water will assist the growth and increase the quantity of fruit. Following along those lines there should be no difficulty in producing a handsome crop of Cucumbers, either in Summer or in Winter. W. T.

Trenton, N. J.

The Ribsam building at South Broad and East Front sts. was gutted by fire on the night of March 30. Carlman Ribsam, owner of the building, sustained a loss of about $25,000, fully covered by insurance. The loss to Martin C. Ribsam, who conducts the Ribsam Flower and Seed Store in the building amounts to $20,000 also fully covered by insurance.

Martin C. Ribsam has been able to get temporary quarters at North Broad and Academy sts., where the business will be continued without hindrance on account of the fire.

McMINNVILLE, ORE.—Trade has been very good the past Winter. Your Easter number is grand. S. H. MARIS.

Helianthus Multiflorus Plenus

$4.00 per 100.

	Per 100
LYCHNIS Viscaria fl. pl.	$4.00
PLATYCODON grand. alba.	3.00
PLATYCODON Mariesii	3.00
PHYSOSTEGIA Virginica	3.00
PHYSOSTEGIA spec. alba	3.00
SWEET WILLIAM	3.00

NORMAN & HACKER. Painesville, Ohio

Please mention the Exchange when writing.

ALTERNANTHERA, Red

Extra strong rooted cuttings, 50c. per 100, $4.00 per 1000

The H. Weber & Sons Co
Oakland, Md.

Please mention the Exchange when writing.

FUCHSIAS

There are none better than Little Beauty, Lord Byron, Rosan and White Beauty. Strong 2½-in. pots ready, $4.00 per 100. New Heliotrope, Miss Berenice, a sport of Mad. Bruant and a great improvement on the latter 2½-in. pots, $8.00 per 100. Catalog for the asking

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

ROOTED CUTTINGS

FUCHSIAS, Finest Double, dwarf habit, $1.00 per 100; $8.00 per 1000. Elm City, double dwarf, a handsome purple, $1.00 per 100; $8.00 per 1000.
PETUNIA, The Queen, fine double fringed, white mingled with purple, $1.00 per 100; $9.00 per 1000.
AGERATUM, Stella Gurney, 50c. per 100; $4.00 per 1000.

Cash with order.

J. P. CANNATA, Mt. Freedom, N J

Please mention the Exchange when writing.

40,000 Vinca Variegata

R. C. 90c. per 100, $8.00 per 1000.

PETUNIA DOUBLE 10 kinds, 2-in., 2c.

ASTERS, Market White, $3.00 per 1000.
PANSIES, Giant, $3.00 per 1000.
SWEET WILLIAMS, $3.00 per 1000.
DUSTY MILLER, nice seedlings, 75c. per 100.
SWAINSONA alba, 2-in., 2c.
LANTANA, 2-in., 2c.
SNAPDRAGON, White and Scarlet, 2-in., $2.00 per 100.
ABUTILONS, 3 kinds, 2-in., 2½c.
GERANIUMS, Grant, etc., 2-in., $2.00 per 100.
FEVERFEW, Double White, small plants, 75c. per 100, $6.00 per 1000.

Rooted Cuttings, prepaid per 100. Heliotrope, $1.00; Fuchsias, 8 kinds, $1.00; Paris Daisy, yellow, white, $1.00; Cuphea, 75c. Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, Rosea, P. Major, Aurea nana, Fall struck cuttings, 50c. per 100, $4.50 per 1000; Ageratum, 3 kinds, 60c.; Swainsona alba, $1.00; Dbl. Petunias, 10 kinds, $1.00.

Salvia, 90c. Cash with order.

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35,000 Bonfire, from seed, twice transplanted, large healthy stock, 90c. per 100, $7.50 per 1000. Zurich, 2¼-in. pots, $2.00 per 100; $18.00 per 1000.
PETUNIAS, Single Petunias of Ruffled Giant, California Giant, and Ruffled, striped and blotched. A No. 1 stock, 2¼-in. pots, $2.00 per 100, $18.00 per 1000.
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Nutt, Buchner, Poitevine, Doyle and others, 2-in. pots, $2.00 per 100; 3-in. pots, $3.00 per 100; 4-in. pots, $5.00 per 100.

FUCHSIAS, SALVIAS, HELIOTROPES, DOUBLE WHITE FEVERFEW, VINCA VARIEGATED, R. C., $1.00 per 100; 2-in. pots, $2.00 per 100.

Double Giant SWEET ALYSSUM, AGERATUM Gurney, R. C., 60c. per 100; 2-in. pots, $1.50 per 100.

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Crimson Verschaffeltii, Golden Bedder and 15 others, 60c. per 100, $5.00 per 1000.

PANSY PLANTS, 50c. and $1.00 per 100, $5.00 and $8.00 per 1000.

ASPARAGUS Plumosus and Sprengeri, 4-in. pots, $5.00 per 100.

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Fine, stocky plants, in bud and bloom, 4-in., Nutt, Poitevine, Ricard, La Favorite, Trego, Perkins, Jaulin, etc., $6.00 per 100.

SALVIAS, large plants from flats—Zurich, Bonfire and Splendens, 75c. per 100, $7.00 per 1000.

Dark blue HELIOTROPE and Dwarf blue LOBELIAS, large plants, from flats, 75c. per 100, $6.00 per 1000.

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CANNAS, Duke, Queen Charlotte, Florence Vaughan, Martha Washington, (beautiful pink), 4-in. pots, $5.00 per 100.

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VERBENAS, SWEET ALYSSUM, Little Dorrit, 3-in. pots, $2.50 per 100.

PARLOR IVY, HELIOTROPE, two varieties; VINCA Variegata; SALVIA, Bonfire and Splendens; 2½-in. pots, $2.00 per 100.

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Rooted Cuttings: S. A. Nutt and Buchner, $10.00 per 1000.

Ricard, Poitevine, Castellane and Viaud, ready April 25th.

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ASTER Wonder, earliest, white and pink, large, fluffy, on long stems, 40c. per ¼ oz. Cash

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10 varieties, 2¼-in. pots, April 1st	$2.00
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400 ASPARAGUS plumosus nanus, 2¼-in. pots	2.00
ALTERNANTHERA, red and yellow April 1st	2.00

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Coleus, Rooted Cuttings, in variety, $5.00 per 1000. Verschaffeltii, $6.00 per 1000.
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S. A. Nutt and La Favorite	$1.25	$10.00
Castellane	1.25	10.00
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COLEUS, VER. and G. BEDDER 60c. per 100
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REVIEW OF THE MARKET

NEW YORK, April 6.—Last Saturday cut flowers for the first time since Easter began to clean up somewhat, though mostly at sacrifice prices, and with the aid of the street men. Lilies, however, could not be moved at any price, and still made 28th st. and the Coogan building on 26th st. look like Easter week. There was a fair demand for good Tulips, and Smilax was in short supply.

Conditions this week have not at all improved. The continued warm weather causes the growers to hurry in their flowers, and the demand is not at all sufficient to consume the large shipments daily arriving. The result is only what might be expected; everything is moving off very slowly and at sacrifice prices. There are, practically, no prices today. When anyone wants to purchase flowers in anything like quantity a sale is effected only after sharp bargaining.

American Beauty Roses, specials, in some few cases of small sales realized 25c. each, but most sales are on the basis of 20c. each. The best Killarney Roses are sold at 6c. in a very few transactions, but most of sales are around 5c. for best grades. Richmond is down this week along with the other varieties, and the best quality find a slow sale at 10c. Bride and Bridesmaid find little demand at 5c. for specials.

For the best grade Lilies 4c. is the top notch price, with few sales effected at any price, and the same conditions prevail with Callas. Lily of the Valley moves rather better than some other flowers, but cannot be moved above $3.

The market is greatly overburdened with Carnations and few sales are effected at $2.50 per 100, while it is difficult to realize 2c. for fancy grade. Good quality flowers are sold at $1.50 per 100.

In Orchids, Cattleyas, best grade, sold at 60c. each and Cypripediums at $1.50 per doz.

Gardenias of best grades find few buyers at $1.50 doz.

Sweet Peas are moving at $1 per dozen bunches, for best quality.

There are in the market some fine Snapdragons, which sell at $1.50 per doz. for best grades. Bulbous stock moves very slowly and very little reaches the $1 per 100 mark, though some high grade Tulips have sold for 3c. each. On Violets 20c. per 100 is about the top notch price, for doubles.

On the whole the market is still in a demoralized condition, with no improvement over the beginning of the week, and sales are made in most all cases at incredibly low figures.

PHILADELPHIA, April 5.—The cut flower market last Saturday cleaned up rather poorly. On Monday sales were only moderately brisk, but prices were firmer and somewhat in advance of those of last week. The commodities which seemed to have suffered least from the ups and downs of the Easter season were Smilax, which is still in short supply, Lily of the Valley, Orchids, Lilac, and Asparagus plumosus. The queenly Rose in all varieties, has been, as regards price, buffeted first on one cheek and then on the other till she knows not whether she is any longer a Rose or not. Today, the highest price realized for American Beauty specials was 35c. each. Top grade Killarneys were bringing 10c. each, Bride and Bridesmaid 10c. Richmond, which, by the way, has been in steadier demand, and has of late suffered less from the slump in Rose prices than any other Rose, is selling at 15c. for specials.

The best quality Lilies hardly reach the 12c. mark, and all grades of them are moving slowly, and the same is true of Callas, which bring 12c. for excellent stock. Some Lily of the Valley has realized 4c., but most sales are at a lower figure.

Good Gardenias are in full supply, but most sales effected are at low prices, considering the quality, $3 per dozen being the high water mark. The Sweet Pea continues to be one of the most popular flowers, but abundant arrivals prohibit high prices, select stock changing hands at $1 per 100, and from that down.

Carnations in the best grades bring as high as 4c. each. Cattleyas, and select stock, command 60c. each. Lilacs, top grade, sell for $1 per bunch of one dozen sprays. Stocks, double, with long stems realize 50c. per dozen; and the choicest long stemmed Snapdragon brings $1.25 per bunch of one dozen.

Pansies are favorites, but no more than 5c. per bunch can be obtained. Bulbous stock moves slowly at $3 per 100 for the very best local supplies. Asparagus plumosus brings 50c. for large bunches of select stock; and Smilax, which is in short supply, easily brings 25c. per string.

Greater confidence seems to prevail and there is a slight inclination towards better prices, but whether the warm weather has already hurried on so much stock to maturity that a shortage in some lines will arise, or whether a continuance of the same weather conditions will produce a still further supply in excess of demand remains to be seen.

BOSTON, April 5.—Business has been poor all this week with the exception of Saturday, which was for some reason or other a good business day and flowers disappeared in great quantities. The market is overburdened with stock and there is a slump in prices all around. Never before were flowers more plentiful than they are at the present, and yet of excellent quality.

Roses are very abundant and are considerably lower in price than a week ago. Of some kinds there is quite a surplus. American Beauty is more plentiful and slightly lower in price. Killarney, Richmond, and My Maryland arrive heavily. There is very little call for Bride and Bridesmaid. Bon Silene and Safrano are quite plentiful but the demand is satisfactory. Mrs. Aaron Ward is in better supply and sells well.

Carnations are arriving in great quantity and prices have dropped considerably. Prices run from $1 to $2 per 100, very choice grades bringing $3 per 100.

Violets are about finished for this season, but the few that are coming are in good demand.

The hot weather is playing havoc with bulbous stock and the market is completely overstocked, with prices away off. Easter Lilies are selling now at from 4c. to 8c. Lilium candidum is arriving more freely. Callas are in great abundance and sell at from 4c. to 8c. Snapdragon is plentiful and there is a good demand for pink varieties. Mignonette, although of good quality, is not in much demand. Sweet Peas are quite plentiful and stock of good quality brings good prices.

Asparagus Sprengeri and plumosus are not over plentiful and the price holds firm. Hardy Ferns are beginning to get scarce. Cape Cod Mayflowers are coming more freely and sell well.

R. C.

CHICAGO, April 5.—The market this week is in a very unsettled and unsatisfactory condition, owing to the enormous quantities of everything coming in, and while there is a heavy demand in the shipping line and for funeral work, not nearly all the stock is consumed. If the cool weather of the past few days continues it will help a lot in the reduction of stock in all lines. Roses are the hardest commodity to move, to get any money out of them, and outside of American Beauty and good Killarney, the rest are disposed of at a sacrifice, and even then much stock in the short grades is unsold.

Carnations, also, are in greater quantities than can be utilized, and it is hard to get a price for anything but the cream of the stock, which sells for $2.50 to $3, with shipping grades, $1.50 to $2. Many are glad to get even 75c. per 100 for flowers and good ones at that.

Lilies and Callas sell fairly well for the after Easter season. The price, however, has taken a tumble as in all other lines; the best are bringing $10 per 100.

Sweet Peas in Spencers are exceptionally fine and sweet scented, better shape than at any period this season; The prices are 50c. to 75c. per 100. Violets are going off rapidly and very few are obtainable. Lilacs are being shipped in from the South and, as usual, there are good, bad and indifferent grades; 35c. to 50c. a bunch is the price, according to stock. Bulbous stock is diminishing rapidly and the market will soon be relieved of the accumulation of it. With the exception of Narcissus and Daffodils from outdoors, there will not be any to contend with in a week or two.

Spring flowers, have already made their appearance. Trailing Arbutus, and Hepaticas are both to be had, fully two weeks earlier than customarily; they bring from $1.25 to $1.50 per dozen bunches. Quantities of miscellaneous flowers, Iris, Pansies, Mignonette, Daisies, Stocks, Candytuft and Snapdragon, are still observed everywhere.

Orchids are none too plentiful, more could be disposed of if to be obtained. Gardenias are, as usual, about equal in supply to the demand.

Green stock of all sorts is plentiful. Ferns are being picked over by all houses, their condition being even worse than at this season last year.

ST. LOUIS, April 4.—We are still having that fine Summer weather with us that we had all through the month of March and the planting-out season has fairly begun.

Trade among the retailers was not any too rushing last week, but they are looking to much better business towards the end of the month. Cut flowers have been in plenty at all the wholesale houses and all the stock seems to be of extra good quality.

At Kuehn's fine Roses could be had, ranging from 3c. to 8c.; Carnations from 2c. to 3c.; extra fancy 4c.; American Beauty Roses, best long fancy, $3 per doz.; shorts, from 3c. to 6c.; Lily of the Valley, $3 per 100; Lilies, $10 per 100; Sweet Peas, from 25c. to 50c. per 100; Smilax, $12.50 per 100. At the other houses of Smith, Berning and Angermuellier we also find a lot of good stock running along the same prices as mentioned above.

Greenhouse men are busy with orders for planting out and are looking for a big business in this line this Spring.

ST. PATRICK.

INDIANAPOLIS, April 4.—Automobile shows, parades and store decorations have been one of the chief sources of income for the flower shops during the past week. The automobile parade was generally participated in and both natural and artificial flowers were used profusely. There are some twenty retail stores with autos in the city and nearly all were nicely trimmed with foliage plants.

Funeral work keeps up splendidly and offers an outlet for the heavy cut of bulbous stock along with the poorer grades of Roses and Carnations. The writer does not mean to imply that all funeral work in this vicinity is made up of poor stock but, as is well known, design work permits of using the weaker grades of fresh stock in part. Counter trade selects the choicest articles each day and pays fair prices for fancy flowers. Boxes of Spring flowers are still in constant demand and are much used for hospital flowers.

It is difficult to handle trade intent on getting good Violets as it is almost impossible to obtain the stock, and the trade is not content with a substitute. Eastern Violets are retailing at $1.50 to $2 per 100; local singles at about half that amount.

Carnations do not show the effects of warmer temperatures and wholesale readily at $2 to $4; the general retail figure is 75c. to $1 per doz. Smaller grades are offered in department store windows at 35c. to 50c. per doz.

The supply of Roses is more than sufficient and some of the Indianapolis product is shipped away. Bridesmaid and Bride are wholesaling at $3 to $8; white and pink Killarney are in fine condition at $3 to $10; Am. Beauty are exceptionally fine in color at $5 to $35. From $1 to $3 per doz. is the usual retail figure for all but the Am. Beauty which bring from $1.50 to $9 per doz.

Beautiful branches of fruit tree blossoms form an attractive setting in the flower shops and are also a source of profit for those in the city who are longing for an emblem of Spring.

Ixias, Spanish Iris, Candytuft, Pansies, Forget-me-not and Heliotrope are among the choicer cut flowers to be had.

Callas and Harrisii Lilies re still offered in quantity at $10 to $12.50 per 100. The new variety of Calla is making a good impression as the color is clearer and the production per plant at last fifty per cent. greater.

The plant market is not so well supplied right now but the best specimens are readily taken by the store men at profitable prices.

I. B.

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WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, April 6th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	15.00 to 20.00
" extra	8.00 to 12.00
" No. 1	6.00 to 8.00
" No. 2	4.00 to 5.00
" No. 3	2.00 to 4.00
Killarney	2.00 to 5.00
White Killarney	2.00 to 5.00
My Maryland	3.00 to 10.00
Richmond	4.00 to 15.00
Mme. Abel Chatenay	.... to ....
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	3.00 to 5.00
" extra	2.00 to 4.00
" No. 1	1.00 to 2.00
" No. 2	.... to ....
Adiantum	.50 to 1.00
Crowenum	.50 to 1.50
Antirrhinum (per bunch)	1.00 to 2.00
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.15 to .25
Sprengeri, bunches	.15 to .25
Bouvardia	.... to ....
Callas	3.00 to 4.00
Daffodils	.50 to 1.00
Daisies	.50 to 1.50
Ferns, per 1000	1.50 to 2.00
	.... to ....
	.... to ....

CARNATIONS—		
Inferior grades, all colors		.50 to .75
Standard Varieties	White	.75 to 1.00
	Pinks	.75 to 1.00
	Red	.75 to 1.00
	Yel. & Var.	.75 to 1.00
Fancy (The highest grades of Sta'd varieties)	White	1.00 to 2.00
	Pinks	1.00 to 2.00
	Red	1.00 to 2.00
	Yel. & Var.	1.00 to 2.00
Novelties		.... to ....
Gardenias, per doz.		.50 to 1.50
Lilac, per bunch		.50 to 1.00
Lilies, Harrisii and Longi.		2.00 to 4.00
Lily of the Valley		1.00 to 2.00
Mignonette, per doz.		.20 to .50
Narcissus		.50 to 1.00
Orchids, Cattleyas		25.00 to 50.00
Cypripediums, per doz.		.... to 1.50
Dendrobium Formosum		.... to ....
Pansies, per doz. bunches		.30 to .50
Poinsettias per doz.		.... to ....
Hyacinths		.50 to 1.00
Smilax (per doz. strings)		1.50 to 2.00
Stevia, per bunch		.... to ....
Sweet Peas, per doz. bun.		.50 to 1.00
Tulips		1.00 to 3.00
Violets, single		.... to ....
" double		.15 to .20
		.... to ....

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST. NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1996 Madison Square
JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

New York

Kessler Bros., 50 W. 28th st., report that after an excellent Easter business in potted plants the window box, and bedding plant season immediately began, with sales better than usual at this time of year. Some very fine Alphouse Ricard and Beaute Poitevine Geraniums are noticeable, at their store.

There will be several changes among the wholesalers and commission men on West 28th st. about May 1. W. F. Sheridan will move to No. 133, Traendly & Schenck to No. 131, and the Growers' Cut Flower Co. to No. 41 W. 28th st.

The regular monthly meeting of the directors of the N. Y. Cut Flower Exchange was held on Saturday, April 2, in the Anable Building, 24 and 26 Jackson ave., Long Island City. Only the usual routine business was transacted.

The wife of George M. Stumpp, the Fifth ave. florist, after a brief illness beginning last Friday night died on Tuesday of this week, of a throat disease resembling diphtheria. The funeral services were held at the family residence, 65 East 91st st., on Thursday afternoon.

The trade in window boxes is beginning. A very notable display of them is to be seen at the Café Martin, where a box at every first floor window is filled with white Daisies, and scarlet Geraniums.

The sale of the Fruit Auction Company of Tuesday last attracted a very large attendance and was most satisfactory in every way. Rhododendrons, Roses, evergreens, and ornamental shrubbery made up the bulk of the sales. The quality of everything offered was first-class, and most pleasing to the buyers. The company will have many important sales during the season and will maintain the highest standard in all stock offered.

William Elliott & Sons' regular Tuesday auction sale included bulbs and roots of all kinds, as well as full line of ornamental shrubbery and evergreens, and a large assortment of the better varieties of Rhododendrons, hardy Roses, Clematis and herbaceous Peonies; California Privet was also offered in quantity. The attendance was large and the prices obtained good. Messrs. Elliott will continue these sales throughout the season every Tuesday and Friday, beginning each day at noon, sharp, as usual. If the warm weather holds bedding plants will soon form part of the stock offered.

An Aphine demonstration under the auspices of the Nassau County Horticultural Society will be held on the date of the Society's next meeting, Wednesday, April 13, at Pembroke Hall, Glen Cove, L. I. between 3 and 6 o'clock p.m. The manufacturers are anxious to have gardeners and growers submit a goodly collection of insect-infested plants, so that it can be proved decisively that Aphine will do all that is claimed for it. The Aphine Mfg. Co. last month did the largest business in its history. The merits of Aphine have been discovered both on the Pacific Coast and in the South, from which points large orders are being received.

John Walter Reimels, son of John Reimels of Woodhaven, L. I., was married on April 1 at North Chelmsford, Mass., to Miss Harriet Lincoln Shaw. Harry Reimels, brother of the groom, was best man.

Joseph Proval, connected with the establishment of Louis Schmutz, Flatbush, did not sail for Europe last week on the Lusitania as he had planned. When he went to bed on Tuesday night at his home, 131 Clarkson st., he had nearly $1000 in his pockets, but when he arose early next day every cent of it was gone. A burglar, whom the police think must have been aware of the situation, had broken into the house and got the money without disturbing Proval's sleep.

The April meeting of the New York Florists' Club will be held next Monday evening, April 11, at the Club's rooms, Grand Opera House Building, 23d st. and Eighth ave., at 7.30 p.m. The business for the evening will be quite interesting, and include a report from the joint committees having in charge the securing of a permanent plant market, a report which may call for action. Anton Zvolanek of Bound Brook is to deliver an address covering his recent visit to California. Frank R. Pierson will talk of the arrangements made for the S. A. F. convention at Rochester. Roses and Sweet Peas are called for as exhibits for the evening; and Chairman Nugent of the entertainment committee will see to it that there is a good display of personal comforts in the canteen at recess.

Philadelphia

The season here is so forward that Magnolias are in bloom, and some trees and shrubs are in leaf. The lawns are as green as they usually are in May.

At 10 o'clock a.m., April 4, the president and other officers of the Select Council, and of the Common Council of Philadelphia, were sworn in at the Council Chambers, City Hall. J. J. Habermehl's Sons, the Bellevue-Stratford florists, had the decorating. In the corridors were placed large specimens of Bay trees and Palms; in the council chambers were used bankings of Azaleas and Rhododendrons, with Palms in the corners. The tables were adorned with vases of American Beauty Roses in one chamber, and Killarney Roses in the other. Though the decorations were not elaborate they were in good taste and effective.

The Robert Craig Co. is very busy with the aftermath of a successful Easter "house cleaning." It is found that on account of the unprecedented warm weather, retail customers are even now asking for bedding plants.

Alfred Campbell is cutting some nice Kaiserin Roses and Gardenias.

John McIntyre continues to make a specialty of Lilac, selling not only to the local trade but also shipping to out-of-town buyers.

At S. S. Pennock-Meehan Co.'s, where almost an entire line of cut flowers is handled, the usual busy scene is noticeable.

At W. E. McKissick & Bros.' some unusually fine Pansies, bunched by colors, especially the pure yellows and whites, have been worthy of note, as well as some Campbell Violets of good quality.

Robert Scott & Son of Sharon Hill are adding to their range of glass.

Samuel T. Freeman & Co., auctioneers, will hold their annual sale of imported nursery stock at 1519 Chestnut st., April 11.

At the Leo Niessen Co. a full line of Roses and of Spring flowers of excellent quality was noticeable.

The extremely warm weather makes it almost impossible to receive southern Daffodils in good condition.

Boston

Trade has been quiet here since Easter and will not straighten out to normal conditions for a few days yet. Saturday was an exception; there was a fair demand in all departments and goods were cleaned up fairly well. The weather has been exceptionally mild and has brought flowers along so plentifully that markets are overstocked.

Outdoor work of all kinds is being pushed ahead at a great rate for this early date and nurserymen fear that this will be an exceptionally short season if the mild weather continues much longer; they are busy, indeed, and large consignments are being shipped daily of trees, shrubs and herbaceous plants. They report that they were never loaded down so heavily with orders as they are this year, and if they only get a little cooler weather their business will be unprecedented.

Ernest Stickel, the genial and obliging salesman at 1 Park St. Market, for the Montrose Greenhouses, has been confined to his home for the past week with a severe cold. We miss him and wish him a speedy recovery.

Eber Holmes, the proprietor of the Montrose Greenhouses, took his place at the market during his absence.

Mr. Twin of the King Construction Co. has been in town this week and is kept very busy. His firm does a large business in this section of the country and the greenhouses which they are building are highly spoken of.

W. E. Lenk, superintendent of the Halifax Garden Co., Halifax, Mass., was a visitor this week. This company has a very large range of houses which has been devoted entirely to vegetable growing; the firm is now going to change to Carnations and Violets in several of its houses. Mr. Lenk has been very successful in vegetable growing and we expect he will produce just as good quality in his cut flower business.

Kidder Bros., Lincoln, Mass., are the only growers who are picking good Violets. Their Violets during the Winter and Spring have been as good as any that have been brought to the market; they were especially careful in their bunching and for their extra care and trouble they made readier sales and better prices. They have about 30,000 sq. ft. of glass, which is devoted principally to Carnations, Violets and Stevia. They picked 50,000 Violets for Easter; for Christmas they make a specialty of Stevia, of which they grow a very fine form, obtained by careful selection; in its season they sell as high as 500 bunches per day at remunerative prices.

A. S. Parker of Stoneham has been unwell for the past week; his friends and associates hope he will soon be quite well again.

A. N. Pierson, Cromwell, Conn., is shipping to 1 Park St. Market excellent Maryland, Killarney, both pink and white, and also very fine Richmond Roses.

H. W. Field of Northampton is shipping to 1 Park St. Market some extra well-grown Richmond Roses, which are handled by Thos. Peglar.

Willow Hill Greenhouses, of which A. Scott is proprietor, are growing large quantities of Callas, which have been sold at 1 Park St. Market during the Winter and Spring; they also make a specialty of yellow Marguerites which are very well grown.

It is the same story in all lines of business; the newer aud sometimes the better things push the older varieties aside and are in turn replaced by new favorites. We remember that only a few years ago Bride and Bridesmaid were thought to be the very highest type of perfection in Roses for indoor growing. Now they have been replaced by others and, this week, could hardly be sold at all; we think there will be very few growers of these varieties for next year. We must not discard them altogether. Bon Silene and Safrano were discarded twenty years ago, but they are back again and are general favorites with people of refinement and good taste. So perhaps the day will come when Bride and Bridesmaid Roses will be favorites again as they were in the past. We are loth to part with the old friends who have given to many a man his daily bread and butter.

Mann Bros. are handling the best Lilium candidum we have seen this year. It's too bad there was not more of this lovely Lily, the true Easter Lily, grown for the Easter trade. It is a much prettier Lily in every way, when well grown, than the longiflorum types. Their Spanish Irises, of which they have a large crop, are very fine. This is a most lovely flower and ought to be in great demand.

Aaron Ward Rose is a general favorite and is much more abundant now than it was a few weeks ago; it is handled by most of the retail stores. Wm. H. Elliott seems to be the principal grower of this new arrival.

Waban Rose Conservatories are shipping very fine quality Roses to their wholesale rooms at 3 Somerset st. Their American Beauty are a very fine grade; they have splendid foliage and very long stout stems. Their Killarney and Richmond are of remarkably fine quality. The firm reports an exceptional good Easter business and last Saturday, April 2, was the best day for sales they have had in years, outside of holidays.

Joseph Fagan White of Doyle's is drawn for the jury and his term begins April 4.

Welch Bros. had one good large order this week. It was for 30,000 Carnations and was filled with high-grade stock.

Samuel Hudson, who has been at W. A. Manda's, South Orange, N. J., for some time, is now at the Harvard Botanic Garden, in charge of the greenhouse.

James Wheeler has located at Natick and is busy making improvements on his 30-acre farm and preparing foundations for a range of new houses.

A few days ago we visited Daniel White, a private gardener at North Easton, and saw Snapdragon with stems 8 ft. long and immense long heads of flowers. We never saw anything like this before and we have been wondering if any commercial establishment has grown any as large as these.

Rhododendron præcox is in fine flower here now; this is the showiest early shrub that blossoms in this vicinity. It is rather scarce and we would recommend nurserymen to get stock. Our plant is about 5 ft. in height and twenty-five years old. Prunus Davidiana is also in bloom and is very fine indeed at this early date. Forsythias and Cornus Mas are waves of yellow, and for outdoor hardy herbaceous plants there is a very long list in bloom, in fact more than we ever saw before at this early date. These notes about shrubbery and hardy plants will give those in the trade a chance to compare notes in other sections of the country.

The florists of Cambridge have been very busy for the past week making funeral pieces of which there were many and most elaborate ones sent to the residence of the late Prof. Agassiz, who was

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Apr. 5, 1910	Pittsburg Apr. 6 1910	NAMES AND VARIETIES	Boston Apr. 5, 1910	Detroit Apr. 6, 1910	Cincinnati Apr. 4, 1910
25.00 to 35.80	20.00 to 25.00	Roses—A. Beauty, fancy—special	25.00 to 35.00	25.00 to 30.00	to 30.00
18.00 to 20.00	15.00 to 18.00	" extra	10.00 to 15.00	20.00 to 25.00	to
12.50 to 15.00	10.00 to 12.00	" No. 1	4.00 to 8.00	10.00 to 20.00	to
4.00 to 6.00	3.00 to 8.00	" No. 2	2.00 to 6.00	6.00 to 10.00	to 3.00
to	4.00 to 12.00	Killarney	2.00 to 8.00	to	3.00 to 6.00
to	4.00 to 12.00	White Killarney	2.00 to 8.00	to	3.00 to 6.00
to	3.00 to 8.00	My Maryland	2.00 to 8.00	3.00 to 8.00	4.00 to 6.00
to	4.00 to 10.00	Richmond	2.00 to 8.00	3.00 to 8.00	4.00 to 5.00
4.00 to 6.00	to	Perle	to	to	to
to	to	Golden Gate	to	to	to
4.00 to 6.00	4.00 to 8.00	K. A. Victoria	to	3.00 to 8.00	to
to 8.00	to 10.00	Bride, Maid, fancy—special	to 6.00	6.00 to 8.00	to
to 6.00	to 8.00	" extra	2.00 to 4.00	4.00 to 6.00	to
to 4.00	to 6.00	" No. 1	to	3.00 to 4.00	to
to 2.00	to 4.00	" No. 2	to	to	to
to 1.00	1.00 to 1.50	Adiantum	1.00 to 1.50	.75 to 1.00	to
to	to	Antirrhinum, (per bunch)	to	to	to
to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	35.00 to 50.00	to 30.00	to 10.00
to 30.00	20.00 to 30.00	" Sprengeri, bunches	35.00 to 50.0	to 30.00	to
to	to	Bouvardia	to	to	to
to 10.00	to	Callas	4.00 to 8.00	to 12.50	4.00 to 8.00
to	to	Chrysanthemums	to	to	to
to	to 1.50	Carnations—Inferior grades, all colors	1.00 to 1.50	to	1.00 to 3.00
1.00 to 1.50	to 2.00	Standard Varieties: White	1.00 to 2.00	1.00 to 2.00	to
1.00 to 1.50	to 2.00	Standard Varieties: Pink	1.00 to 2.00	1.00 to 2.00	to
1.00 to 1.50	to 2.00	Standard Varieties: Red	1.00 to 2.00	2.00 to 3.00	to
1.00 to 1.50	to 2.00	Standard Varieties: Yellow and var.	to	to	to
2.00 to 3.00	to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	1.00 to 2.00	2.00 to 3.00	to
2.00 to 3.00	to 3.00	*Fancy: Pink	1.00 to 2.00	2.00 to 3.00	to
2.00 to 3.00	to 3.00	*Fancy: Red	1.00 to 2.00	3.00 to 4.00	to
2.00 to 3.00	to 3.00	*Fancy: Yellow and var.	to	to	to
to 3.00	1.00 to 3.00	Daffodils	.75 to 1.50	to 3.00	to
to .50	2.00 to 3.00	Daisies	to	1.00 to 2.00	to
to .25	to .20	Ferns, hardy	to	to .20	to
to	to	Freesia	to	to	to 1.00
to .20	to .12	Galax, green and bronze	to	to .12	to
to	to	Gardenias, per doz.	1.00 to 1.50	to	to
to	to 1.00	Lilac, (per bunch)	to	to	to
to 12.50	to 12.00	Lilies, Harrisii and Longi	6.00 to 8.00	12.50 to 15.00	to
to 3.00	3.00 to 4.00	Lily of the Valley	to	3.00 to 4.00	to
to	2.00 to 4.00	Mignonette	1.00 to 2.00	3.00 to 6.00	to
to	1.00 to 3.00	Narcissus	to	to 3.00	.50 to 1.50
to	to 75.00	Orchids—Cattleyas	to	to	to
to	to 15.00	Cypripediums	to	to	to
to	to	Dendrobium Formosum	to	to	to
to	1.00 to 1.50	Pansies, per doz. bunches	to	to	to
to	to	Roman Hyacinths	to	4.00 to 6.00	to 3.00
to 1.50	to 1.50	Smilax, (per doz strings)	to	to 1.50	to
to	to	Stevia, per bunch	to	to	to
to .60	.50 to 1.25	Sweet Peas	.35 to .50	.50 to 1.00	.35 to .75
to 3.00	to	Tulips	to	3.00 to 4.00	to
to	.50 to .75	Violets, single	.35 to .50	.50 to .75	to
to	.60 to .75	" double	to	.50 to .75	to
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

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E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. CINCINNATI, O.

All Cut Flowers in Season

I Sell Heller Bros. Roses

I Manufacture Wire Work

Illustrated Catalogue for the asking.

Get your order in now for

HANGING BASKETS

The Best—The Strongest—The Cheapest

Green Sheet Moss, $1.00 per Bundle

Sphagnum Moss, $1.00 per Bale

Please mention the Exchange when writing.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE

2-8 Duane Street, New York.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

Milwaukee, Wis.

Please mention the Exchange when writing.

The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

937 Liberty Ave., PITTSBURGH, PA.

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HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee St., MILWAUKEE, WIS.

'Phone, Main 874. P. O. Box 103.

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We have a large supply of excellent quality

ROSES PINK and WHITE KILLARNEY MARYLAND, KAISERIN, RICHMOND

Splendid values at $6.00, $8.00 and $10.00 per 100

BEAUTIES -The best, $4.00 per doz., $30.00 per 100

CARNATIONS Our best grade, $3.00 per 100 In 500 lots, our selection of colors, $2.50 Good stock as low as $15.00 per 1000

VALLEY $3.00 and $4.00 per 100

DAISES White, $1.50 per 100, $10.00 per 1000 Yellow, $2.00 per 100, $15.00 per 1000

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA

Open from 7 A.M. to 8 P.M.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Apr. 4, 1910	Buffalo Apr. 4, 1910	NAMES AND VARIETIES	Phil'delphia Apr. 6, 1910	St. Louis Apr. 4 1910
to 35.00	to 30.00	Roses—A. Beauty, fancy—special	25.00 to 35.00	15.00 to 25.00
20.00 to 25.00	to 25.00	" extra	15.00 to 20.00	10.00 to 12.50
10.00 to 15.00	12.00 to 16.00	" No. 1	8.00 to 10.00	6.00 to 8.00
6.00 to 8.00	2.00 to 4.00	" No. 2	3.00 to 6.00	3.00 to 5.00
5.00 to 6.00	3.00 to 10.00	Killarney	2.00 to 10.00	3.00 to 6.00
5.00 to 8.00	3.00 to 10.00	White Killarney	2.00 to 10.00	3.00 to 6.00
4.00 to 8.00	4.00 to 10.00	My Maryland	3.00 to 10.00	to
4.00 to 8.00	4.00 to 12.00	Richmond	3.00 to 15.00	4.00 to 6.00
4.00 to 6.00	5.00 to 7.00	Perle	3.00 to 8.00	to
4.00 to 8.00	to	Golden Gate	3.00 to 8.00	to
4.00 to 8.00	4.00 to 5.00	K. A. Victoria	3.00 to 10.00	to
to 8.00	8.00 to 10.00	Bride, Maid, fancy—special	to 10.00	6.00 to 8.00
to 7.00	6.00 to 8.00	" extra	6.00 to 8.00	4.00 to 6.00
to 6.00	4.00 to 5.00	" No. 1	4.00 to 6.00	to 3.00
4.00 to 5.00	3.00 to 4.00	" No. 2	3.00 to 4.00	to
to 1.00	1.00 to 1.50	Adiantum	1.00 to 1.50	to 1.50
to	to	Asparagus, Plumosus, bunches	35.00 to 50.00	25.00 to 50.00
25.00 to 50.0	to	" Sprengeri, bunches	35.00 to 50.00	25.00 to 50.00
25.00 to 50.00	to	Bouvardia	to	to
to	to	Callas	8.00 to 12.50	10.00 to 12.50
6.00 to 10.00	8.00 to 12.00	Chrysanthemums	to	to
to	to	Carnations—Inferior grades, all colors	1.00 to 1.50	1.00 to 1.50
to 1.00	1.50 to 2.00	Standard Varieties: White	1.50 to 2.00	1.00 to 1.50
1.50 to 2.00	1.50 to 2.00	Pink	1.50 to 2.00	1.00 to 1.50
1.50 to 2.00	1.50 to 2.00	Red	1.50 to 2.00	1.00 to 1.50
1.50 to 2.00	to	Yellow and var	1.50 to 2.00	2.00 to 3.0
to 2.50	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	3.00 to 4.00	2.00 to 3.00
to 2.50	2.50 to 3.00	Pink	3.00 to 4.00	2.00 to 3.00
to 2.50	2.50 to 3.00	Red	3.00 to 4.00	2.00 to 3.00
to 2.50	2.50 to 3.00	Yellow and var	3.00 to 4.00	to
2.00 to 3.00	2.00 to 3.00	Daffodils	.40 to 3.00	.50 to 2.00
to	1.00 to 2.00	Daisies	1.00 to 2.00	to
to	to	Ferns, hardy	to .25	to
.50 to 1.00	2.50 to 3.00	Freesia	.75 to 1.50	to
to	to .15	Galax, green and bronze	to .10	to
to 2.00	6.00 to 7.00	Gardenias, per doz.	1.50 to 2.00	to
to	to	Lilac, per bunch	.75 to 1.25	to
10.00 to 12.50	8.00 to 12.00	Lilies, Harrisii and Longi	8.00 to 12.50	to 12.50
2.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00
3.00 to 5.00	2.00 to 3.00	Mignonette	1.50 to 3.00	to 4.00
2.00 to 3.00	2.00 to 3.00	Narcissus	.75 to 1.50	to
to	10.00 to 60.00	Orchids—Cattleyas	50.00 to 60.00	to
to	10.00 to 12.0	Cypripediums	to	to
to	to	Dendrobium Formosum	to 40.00	to
to .50	to	Pansies, per doz. bunches	.50 to 1.00	to
2.00 to 4.00	2.00 to 3.00	Roman Hyacinths	to	to
to 2.00	to 1.50	Smilax, (per doz strings)	2.00 to 3.00	1.25 to 1.50
to	.25 to .30	Stevia, per bunch	to	to
.50 to .75	.50 to 1.00	Sweet Peas	.50 to 1.00	.15 to .40
2.00 to 4.00	2.00 to 4.00	Tulips	2.00 to 4.00	2.00 to 3.00
.40 to .60	to	Violets, single	.50 to 1.00	.25 to .35
to	.50 to .75	" double	.50 to 1.00	to
to	to		to	to
to	to		to	to
to	to		to	to

Florists' Opportunities

PRICES in Cut Flowers never were more reasonable than now, giving the live man splendid opportunities to specialize; thus enabling him to give his customers values that he could not give at any other time, values that mean wonderful drawing cards for him.

Some of Our Specials:

GARDENIAS, per doz., special $3.00, fancy $2.00, first $1.00.
VALLEY, per 100, special $4.00, extra $3.00 No. 1 $2.00.
CARNATIONS, per 100, special $4.00, fancy $3.00, first $1.50.
CARNATIONS, our selection, in lots of 500 or more, good quality, $2.00 per 100.
SWEET PEAS, extra long, $1.00 per 100.
SWEET PEAS, long and medium 50c. and 75c. per 100.
DAISIES (White), $1.50 per 100.
DAISIES (Yellow), $2.00 per 100.
MIGNONETTE, splendid spikes, $4.00 per 100.
CATTLEYAS, $7.00 per doz.
RICHMONDS and **JARDINES,** per 100, special $15.00, extra $ 0.00, first $6.00, seconds $4.00.
MARYLANDS, 2-KILLARNEYS, KAISERINS and **BRIDES,** special $10.00, extra $8.00, first $6.00, seconds $3.00.

SPECIAL A BOX OF 4 DOZEN OF THE BEST GARDENIA BLOOMS, VERY CHOICEST FLOWERS, FOR $5.00

RIBBONS. Some of the choicest novelties, exclusive patterns, an endless variety to choose from.

SUPPLIES OF ALL KINDS. CATALOGUE ON REQUEST

S. S. Pennock-Meehan Co.
The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St., Philadelphia, Pa. — 1212 New York Ave., Washington, D. C.
Stores close at 6 P. M.

Please mention the Exchange when writing.

WE ARE NOW BOOKING ORDERS FOR

BEGONIA LORRAINE
BEGONIA LORRAINE LONSDALE
BEGONIA AGATHA

JUNE DELIVERY

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be **twice shifted.** Orders filled in rotation. 2½-in. pots, $15.00 per 100, $14 00 per 100[illegible]

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

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Headquarters in Western New York

For Roses, Carnations,

And all kinds of Seasonable Flowers

WM. F. KASTING CO.
Wholesale Commission Florists
Dealers in Florists' Supplies and Wire designs
383-87 Ellicott St., BUFFALO, N. Y.
Give us a trial—We can please you

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EDWARD REID
Wholesale Florist
Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias
All other seasonable flowers
1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

GROW
MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
2 Duane Street NEW YORK

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: "Saw your advt. in F. E."

beloved by the people of Boston and Cambridge. Fred Becker of Cambridge st., who is located quite close to the Agassiz residence, got a large share of the business. So did Howard the florist at Harvard Square; John McKenzie, North Cambridge, was also kept quite busy.

H. R. Comley had some nice plants in his window on Park st. of Azalea balsaminæflora, which is of a lovely salmon red color; this is rather rare and promises to be a taking subject.

The regular monthly meeting of the Gardeners and Florists' Club will be held April 19 at Horticultural Hall. There will be a discussion on several practical topics; also the election of a treasurer. A feature will be made of hardy plants from out of doors, of which we expect several tables.

This week the completed premium list of the Great Orchid Exhibition is being mailed and can be obtained by any one interested on application to the secretary, Wm. P. Rich, 300 Mass. ave., Boston.

John Brown from Bar Harbor, Me., was in town this week and visited many of the large establishments in the neighborhood. R. C.

Cumberland, Md.

The Easter trade in cut flowers and plants was a record breaker in this little mountain town this year, and the two growers, J. A. Bopp, and F. X. Millman Jr., each had a superb assortment of bulb stock and did a satisfactory business in that line.

As usual, a number of prominent citizens took their departure for the "great beyond" at Eastertide, creating an unusual demand for funeral pieces.

Fred Rupert, who recently purchased the J. A. Bopp Flower Store, and Mr. Paul, successor to Miss Lancy, also had a large trade.

A number of grocery and drug stores handled much stock, both from local growers and imported, so there was enough to go around and a little left over for "the balls" which, owing to something most remarkable for this section—fine weather—will no doubt be delightful affairs. E. F.

Long Distance Phone, Central 6004

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45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

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HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

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Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

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"The Busiest House in Chicago"

J. B. DEAMUD CO.

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Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

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CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

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ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

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All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, April 5, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	3.00 to 4.00
30-inch stems.. "	.... to 3.00
24-inch stems.. "	2.50 to 3.00
20-inch stems.. "	.... to 2.00
18-inch stems.. "	.... to 1.50
12-inch stems.. "	.... to 1.00
8-in. stems and shorts "	.... to .75
Killarney	6.00 to 8.00
" extra	.... to 10.00
White Killarney	.... to 10.00
Richmond	6.00 to 10.00
My Maryland	5.00 to 8.00
Bride, Maid, fancy special	6.00 to 8.00
" extra	4.00 to 6.00
" No. 1	.... to 3.00
" No. 2	.... to 2.00
Perle	4.00 to 6.00
Chatenay	3.00 to 6.00
Kaiserin	6.00 to 7.00
Uncle John	.... to 6.00
Mrs. Marshall Field	.... to 6.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Calla Lily	.... to 10.00
Chrysanthemums doz.	.... to ....
" fancy doz.	.... to ....
Daisies	.75 to 1.00
Daffodils	1.00 to 3.00
	.... to ....

CARNATIONS		
Standard Varieties	White	1.50 to 2.00
	Pink	1.50 to 2.00
	Red	1.50 to 2.00
	Yel. and Var.	.... to ...
*Fancy (*The highest grades of Sta'd varieties)	White	2.00 to 3.00
	Pink	2.00 to 3.00
	Red	2.00 to 3.00
	Yel. and Var.	.... to ....
Ferns, hardy, per 1000		.... to 2.50
Freesia		.... to 3.00
Galax (green)		.... to 1.00
" (bronze)		.... to 1.25
Gardenias		25.00 to 35.00
Hyacinths		.... to 3.00
Iris		.... to 3.00
Lilac, per bunch		.35 to .50
Lilies, Harrisii and Longi.		8.00 to 10.00
Lily of the Valley		3.00 to 4.00
Mexican Ivy		.... to 1.00
Mignonette		3.00 to 5.00
Narcissus—Paper White		.... to 3.00
Orchids—Cattleyas		40.00 to 50.00
" Cypripediums		15.00 to 20.00
Pansies		.... to .75
Smilax		12.00 to 15.00
Sweet Peas		.50 to 1.00
Tulips		.... to .40
Violets, single		.... to .40
" double		.... to .60
		.... to ....
		.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

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Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

Chicago

Fortunately for all in the trade, the weather has in the past two or three days been more seasonable, and can now be described as real April weather. Monday arrived much cooler, with frequent showers that were most acceptable, rain being needed badly. Never has there been known such a warm, sunny or dry March as just passed. There was not one day in the entire month that the sun did not shine some portion of the day. The logical effect of such weather can easily be surmised regarding stock. Lilacs, Tulips and Jonquils are already swarming into the market from a very short distance south of this city, which of course has the effect of depressing the prices for indoor stock in these lines, even in Chicago. Daffodils have been in bloom outdoors for a week past. Cherry and Peach trees are also in full bloom, and this cannot be remembered to have been the case at so early a period before.

The Rose crop for the past two weeks has been enormous, and has caused much anxiety to the wholesalers, as with the excessive heat stock has become soft, which makes it very undesirable for shipping. However, as the large growers are already beginning to throw out old stock and are replanting this will soon tend to have an effect on the market that will be very noticeable. It is stated by many of the growers that never before have they started replanting at the opening of April, but with the progression of young stock ready for the benches, and the rapid advancement of the crop of Roses, there is no other alternative.

With an immense quantity of stock, in all lines available there is a large volume of business being done, but the accumulation of dollars and cents does not amount to so much, as prices are controlled by the glutted condition of the market, and stock must be exceptionally fine to bring quoted prices.

The early Spring weather has given a start to the work of the Chicago City Garden's Association, and last Sunday the tracts of land, for the cultivation of Gardens, that have been loaned to the Association by the McCormick estate, near the Bridewell, and by the Western Electric Co., near Hawthorn, also divided into lots for garden purposes for the poor of the city, were disposed of, the distribution of same being through drawing of lots by the people at Hull House. Two hundred lots have already been taken possession of with the same number still in the balance.

The work of City Forester Prost in interesting the school children in gardening is giving impetus to the farming craze throughout the city. Mr. Prost says the enthusiasm of the children is almost unbounded.

The lawsuit brought by the Government against the glass trust should be discussed by all the florists' clubs and societies throughout the country, as it is an important feature in their line and presents a very serious question to all who use glass. Every means should be taken to assist the Government to win this suit.

The double funeral of Robert W. Patterson, editor-in-chief of the Chicago Tribune, and his mother, Mrs. Julia A. Patterson, on Monday last kept many of the florists busy all the morning, as many flowers and designs of all descriptions were ordered by the many friends of both. Ernst Wienhoeber Co. had the bulk of the work for the family, the principal piece being a casket cover of Lily of the Valley, bordered with Violets and Ferns for the casket of R. W. Patterson, besides numerous other designs and flat pieces. A. Lange came in for a share, having all the work from the Tribune office. Many other florists were also kept busy with outside orders.

Mr. Vaughan, of Vaughan & Sperry, says that this season is very much like the season of 1905, when the Peonies of this locality were on the market almost as early as those from the South, and it looks like a repetition this Spring. The same applies to Daffodils this season, as our own local outdoor stock is very little in arrears with that shipped from southern points.

It is surprising what activity is displayed by some of our old-time florists, since the fine weather arrived. Wm. Winterson, the father of E. F. and L. H. Winterson is busy among the shrubs and plants at the Winterson Seed Store, despite his 78 years.

The friends of Ned Washburn will be pleased to hear that news received from California is to the effect that he is improving slowly but steadily.

Mrs. Shroeder of Columbus, Nebr., formerly Miss Mancher, florist, of Chicago, is here on an extended visit to relatives and friends.

Mrs. Burkbart of E. H. Hunt Co., who was absent all last week, through illness, is at her post again.

Anthony Varley, who had charge of the grounds of the Edison Commonwealth Electric Co., and who was gardener for Mrs. Rosenwald, 49th st. and Ellis ave. for a number of years, died four weeks ago of pneumonia.

Milo Crozier of Cedar Rapids, Ia., spent Monday in town. Mr. Crozier is starting on a trip to the East.

Charles L. Washburn and several of the boys took an auto trip to Belmont, Ill., to visit the Kidwell greenhouses. He says that at present there, as everywhere, they are busy with the usual Spring work.

J. E. Craig says that since Easter a very busy time with funeral work has been experienced, and he is open to any arrangements in the line of June weddings that may come his way.

The Bohannon Floral Co. had a most strenuous week following Easter. On Monday last it had all the floral arrangements for the Prendergast-Kettell wedding, including the church and home decorations and bridal bouquets, work which was most elaborate. On Thursday, besides four banquets, Mr. Bohannon had a dinner decoration on the North Side, and being pressed for time and fearing to be late he called a taxicab, putting the flowers and basket for the center of the table inside. He says he lost no time in putting the thing in shape while in the cab and arrived at his destination just in time. Mr. Bohannon says he can't help but laugh every time he thinks of his trying to make up flowers with the jostling and shaking of the cab, and trusts he will not be called on to repeat the experience.

Harry Rowe says that he certainly had a good Easter business; in fact, he does not see how he could possibly have handled more than he did.

The Blackstone Hotel will be dedicated at a banquet Saturday evening, April 9, and will be formally opened to the public April 15. Mangel has the decorations throughout.

Bowling

The Chicago Florists' League bowled on Thursday, March 31, the following score being the result: Carnations, totals, 748, 771, 806; Roses, totals, 717, 714 726; Orchids, totals, 791, 757, 734; Violets, totals, 723, 757, 697.

The teams now stand with Carnations and Roses a tie. On Thursday of this week the teams will bowl six games each, thus making up one of their postponed games.

The onrush of the counter trade before the mail order trade has scarcely begun makes it almost impossible for Vaughan's Seed Store to keep up with the orders, and necessitates utilizing the help in both capacities at one time. Usually the mail order business has quieted down before the counter trade begins. There is no doubt, however, but what the staff will rise to the emergency.

Charles Drissler, who has been in the employ of Wietor Brothers for the past nine years, was married last Tuesday morning to Miss Mary Solt. A reception was held at Mr. Drissler's home, 4734 North Artesian ave., in the evening.

Engle Brothers of South Evanston have started the erection of two additional greenhouses.

Visitors: C. H. Woolsey, Rockford, Ill.; Hans Tobler, Traverse City, Mich.

Cincinnati

The warm weather has had the effect of sending large quantities of all kinds of flowers to the market, consequently the prices have dropped materially. American Beauty Roses are holding up better than anything else and sell out clean; the best grade is now selling at $3 per dozen. Callas have been splendid stock all through the season, in fact I have never known them to sell so well, but at the present time the stock is beginning to accumulate; they have sold at $1 to $1.50 per dozen. Easter Lilies are now making their way into the market, in quantities, a little late for Easter. Bulbous stock is very plentiful, but on the wane. The retail stores are only busy with funeral work, once in a while a small decoration. With the advent of cooler weather, and stock shortening up somewhat, things will assume normal conditions.

J. T. Fisher of Huntsville, Ala. was a caller last Friday. J. T. Herdegen of Aurora, Ind., was also in the city.

C. J. Ohmer made his first shipment of Asparagus plumosus last week. It arrived in fine condition, was of splendid quality, and sold at sight. He states that he now has one acre planted to Asparagus, which will by Fall give him a pretty good lot to cut from. At the present time he says it is pretty warm down at West Palm Beach.

E. G. GILLETT.

COVINGTON, IND.—W. C. Welchel, florist, was on March 15 stricken with illness while in Danville, the trouble later proving to be an abscess at the base of the brain.

Providence, R. I.

Wm. Hay is building a house 300x65 ft. for Roses; he expects to have it planted July 1.

The Public Parks Association has asked the city fathers for an appropriation for the building of greenhouses at Roger Williams Park.

Jeremiah Donovan, the oldest living veteran florist and gardener in this section, called on his friend J. B. Canning on Monday last. Mr. Donovan does not look within 20 years of his age, which is 84, and is a very hale and active man.

Louis Patry, foreman for John F. Wood, has fully recovered from his recent fall, and was at his post at Easter.

Mr. and Mrs. J. B. Canning are away visiting friends in the trade in New York and Philadelphia. They will stay a week at Atlantic City before returning.

Eugene McCarron has been exceptionally busy with funeral work, and Monday last his office was filled with made-up pieces which attracted much attention.

George Kelly made an extra fine display of blooming plants at Easter, and is still showing Spring flowers in great variety. He does considerable landscape work and is very busy thereat just now.

Matthew MacNair reports the best Easter and Spring trade in his time in the business. He makes an elaborate window display and maintains two of the most artistic delivery wagons in the city.

John A. Macrae reports the banner Easter trade of his career; he looks forward to a good Spring business.

Edward Murray, who was with Johnston Bros. for a number of years, is now captain and star first rush on the Amsterdam (N. Y.) Polo Team. He was at his home here for the Easter holidays.

William B. Hazard reports a good trade at his new store on Mathewson st. He was fortunate to get a store in this location, as it is considered one of the best here.

William Appleton on Broadway is busy with landscape work. He makes a specialty of this and nursery work in connection with his greenhouse business.

J. L. Reynolds of T. J. Johnston & Co., is convalescing very fast. His many friends will be pleased to see him at his post in a few days.

Johnston Brothers, 38 Dorrance st., had a special sale of Azaleas April 2, which went off well.

The first step in the development of the new city nursery at Roger Williams Park, was taken April 1, when 500 young Tulip trees were taken to the park for planting. In addition another shipment is expected consisting of 500 red Oaks and 1000 Poplars, which, when planted, will make a total of over 1500 saplings in the ground at the new nursery. City Forester Johnson is getting ready to do some planting around the precipitation tanks at Fields' Point, and the work will probably be started in a week or two. The trees which will be used are the product of the park nursery, mostly Maples.

Condition of Trade

Prices have receded considerably this Easter. Business has been fairly good the entire past week, causing heavy buying, but yet the supply is still in excess of the demand. Wholesalers and retailers make cheerful reports of their Easter trade. Some of the growers have Sweet Peas in quantity, and will be glad to see the end of the Violet season.

The demand for cut Lilies is heavy and they are not over abundant, selling at $10 to $12 per 100. First-class Roses of all varieties are plentiful and sell: American Beauty, $10 to $15 per 100; Killarney, My Maryland and Mrs. Taft, $8 to $10; Richmond, $12 to $15; Bride and Bridesmaid, $6 to $8. In lots of 1000 all the above can be bought much lower.

Orchids average 50c. each. Good varieties of first-class Carnations bring from $2 to $3.

Bulbous stock is very plentiful and fetches $1.50 to $3.

Trailing Arbutus has made its appearance and $1.50 per dozen bunches is the price. Daisies, Stocks, Pansies and Mignonette are plentiful. Asparagus, Adiantum, Smilax and hardy and fancy Ferns have shortened up considerably since the Easter trade, but maintain their regular market value. Gardenias are coming in more plentifully at $25 to $35 per 100; Snapdragon, $2 to $4; Sweet Peas, 75c. to $1; miniature Dutch Hyacinths, $4 per 100; Callas, 75c. to $1 per doz.

G. A. J.

Prices Advertised in these Columns are for THE TRADE ONLY

Hartford, Conn.

Easter business was far ahead of last year in every respect. Stock was more plentiful and could not have been in better condition. The week of exceptionally fine weather had much to do with increasing the sales and bringing the stock to the state of perfection that it was in. Blooming plants were more in demand than cut flowers, and the Easter Lilies were most called for and sold generally at 20c. per blossom, the plants with from five to eight blooms being the best sellers. Azaleas were next in demand and some very fine plants were in the market. They sold at from $2 to $5 each; the medium priced ones sold the best. Single and double Daffodils in pans sold well at from 50c. to $1 per pan, as did Tulips in pans at 35c. and 50c. Hyacinths in pots and pans sold exceptionally well; a single pot sold for 25c. while the pans brought from $1 to $2 each, according to the number of bulbs in the pan. There was not an over supply of Genistas and those that were to be had were not especially good. They brought from $1 to $2 each. Rambler Roses and Lilacs sold well at $3 and $4 each.

As usual, Violets were most called for in the cut flower line. The supply lasted up to early Saturday evening, at which time orders had to be refused. They were good in quality and sold everywhere at $1 per 100. There was a good supply of Carnations, and they brought 75c. and $1 per dozen; the quality was exceptionally good. The demand for Roses was about equal to the supply. American Beauty brought $8 to $10 per doz., other varieties $1.50 to $2.50 per doz.; they were all very fine in quality. Sweet Peas sold well at $1.50 per 100, as did Cattleyas at 75c. and $1 per blossom. Quantities of Daffodils and Tulips were disposed of at 50c. per dozen. Lily of the Valley brought 75c. per doz., and Mignonette 50c. and $1 per doz. All the dealers report being well pleased with the results of the Easter trade. Most of them were completely sold out by Sunday noon.

J. F. COOMBS.

Cattle Manure in Bags
Shredded or Pulverized

Pure — dry — uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
34 Union Stock Yards Chicago
Please mention the Exchange when writing.

Stop The Caterpillars With Strokum Bind It Around Your Trees

DO it now, don't wait until they have crawled up and spun their webs in the trees and hatched out by the thousands. It is easier to prevent their going up than it is to burn them out after they are up.

Don't wait until they are dropping down by their silken threads to spin their cocoons for another crop—stop the progress of the first crop by banding your trees with *Strokum*.

Anyone can put Strokum on, and once on, it remains effective through the entire season.

Caterpillars or tussock moths can't crawl under it, and won't crawl over it. Better than burlap, cotton or fly paper. Does not disfigure the tree. Does not dry up and stick to bark as does the smeared-on tar preparations. Strokum is entirely harmless. Endorsed by the leading horticulturists and tree experts.

Send $3.00 at once for a sample package of fifteen pounds, which is enough to band fifteen trees three feet around. Delivered free anywhere East of the Mississippi; 50c. extra West of it. Send for our illustrated booklet.

George Stratford Oakum Co.
165 Cornelison Avenue, Jersey City, N. J.
Please mention the Exchange when writing.

The Mastin Automatic White-Wash and Spraying Machine is Reliable, Practical and Durable

The tank is made of galvanized sheet steel, and in brass.
The pump is of brass throughout, simple and powerful.
The mixing device keeps the contents of the tank well stirred up from start to finish.
When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.
All parts are made to gauge, and may be had for repairs.
Ask your dealer about our **Extension Hose, Extension Rods,** and the **Mastin White-wash Nozzle** for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. Mastin & Co., 3124 West Lake St., CHICAGO, ILL.
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THE BEST WAY
to collect an account is to place it with the
National Florists' Board of Trade
56 Pine St., NEW YORK
WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

A RECORD TO BE PROUD OF
The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00.
For full particulars address
JOHN G. ESLER, Saddle River, N. J.
Please mention the Exchange when writing.

"THE EVERGREEN BRAND FLOWER FERTILIZER"

is pure plant food, immediately available. It permanently enriches the soil. It prevents the onslaughts of plant disease, or insects and pests. Can be used at any time during the growing season, dry or in solution.

Put up in 12 pound cans. Price $2.00

For sale by leading jobbers. For further information, address

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Please mention the Exchange when writing.

Tobacco Paper
is the
STRONGEST,
BEST PACKED,
EASIEST APPLIED

24 sheets	$0.75
144 sheets	3.50
288 sheets	6.50
1728 sheets	35.10

"NICO-FUME" LIQUID
Furnishes the Most Nicotine for the Money!
Mfgd. by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Over 40% Nicotine
By far the CHEAPEST.
Just Note Prices!

Pint	$1.50
½ Gallon	5.50
Gallon	10.50
5 Gallons	47.25

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For "POT LUCK" Try Us

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POT MAKERS FOR 140 YEARS

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WORLD'S LARGEST MANUFACTURERS

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800 3½	"	" 5.50	48 9 in. pots in crate,		$5.60
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456 4½	"	" 5.24	24 11	"	" 5.60
320 5	"	" 4.51	24 12	"	" 4.80
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The Week's Work

BY

FRITZ BAHR

Freesias

What Great Easter Plants They Make in Dishes

While I have grown Freesias for over 30 years, and always made an effort to get the first batch in for Xmas, I never gave them a thought as suitable for as late a date as Easter. Maybe because there are so many other flowers for that day, as much or even more suitable than Freesias, but I know different now. Our seedsman offered us, last December, a surplus lot of bulbs at a very low figure, in order to close them out, a figure so low that one couldn't refuse the offer. These bulbs were planted December 14 in Fern dishes, about 15 to a 6"-dish. We also filled a few 7's and 8's. The boy planted them, and no one was very particular how he did it, nor what soil he used. These dishes were put on a Violet house bench, and at the cold end at that, where the small plants got several times during January a light dose of frost. Every bulb made a nice plant, far better looking than any planted out in September. The dishes were brought to a Carnation house about the middle of February. Every dish was in full bloom for Easter and there were not near enough to go around. There are but few of us who haven't had trouble with Freesias in pots and dishes for Xmas. They usually make a long straggly growth, with yellow tips on the ends of the leaves, and staking is necessary to hold them up. All this is different with the late planted and cool grown ones. The plants don't need any support, their foliage is of a dark green color, each bulb producing two and three shoots. There are but few customers who do not like the beautiful little Lily shaped flowers—just the thing for Easter. I don't know of anything more suitable for a low dish for that day than Freesias, and what could you grow less expensive or in a shorter time. Put them on the list for next year. Easter comes a few days later; that would mean leaving the dishes in the Violet house altogether.

Violets

Time for Propagating the Stock

Among the plants which suffered during the last two weeks of hot weather the Violets are at the head of the list, especially the single ones. Princess of Wales with us is all through blooming, and there is no reason for the plants to occupy valuable bench room any longer. We are taking them up and removing the young shoots, with a fair portion of roots, for the next season's stock. If the roots are many, and 6" to 8" in length, it is far better to cut them back to about 4", than to crowd them into a 3"-pot, or the flats the plants are to go in. And so with the leaves—remove or cut them off, except one or two. Select only the nice soft wooded plants; the center of old stock should never be made use of for propagating. If short on room indoors, a cold frame and a little sandy soil will answer as well or better for the small plants. If there are any double Violets to be propagated, now is the proper time. Use the propagating bench for that purpose and select only the best of runners for the cuttings. To propagate from a sickly plant would be folly, even from plants which were affected earlier in the season with disease but appear to have outgrown it now. Such should never be used. Only the healthy stock can be expected to furnish healthy cuttings, and if you haven't such don't propagate, but search for the man who has good stock for sale, and begin with clean plants. Don't run your chances, living in hope that your own may come out all right—it is wrong, more so with a Marie Louise Violet than any other plant I know of.

Outdoor Roses

Great Loss of Flowering Wood on Unprotected Plants

While of all the biennials and perennials which were left unprotected outdoors we have lost hardly a plant, the Roses, especially the climbers, such as the Ramblers and others, are frozen right down to the ground. That is, all of those not protected. It couldn't have been through the severe cold. What seems to make it harder to account for is the fact that we had a foot thick covering of snow from the middle of December on. The finer varieties of evergreens planted last Spring have fared the same way. These, and Rose canes, which looked one month ago all right, are dead as the proverbial door nail now. I can't explain this any other way than that the dry winds were the cause of it. I know that there will be less Roses in northern Illinois than last year in the coming June. The last year's growth on the Roses is the wood that produces the flowers, and there isn't any left. We had, in the nursery, specimens of the most beautiful of all the hybrid Rugosa Roses, Conrad F. Meyer, plants which over wintered in excellent shape for two Winters. They are dead down to the ground. Dorothy Perkins, Hiawatha, Lady Gay, and others, which were laid down, covered with a thin layer of soil and a few evergreen boughs, are green up to the very top, and we considered this an ideal Winter; but it proved again that if we in this locality want to be successful with any of these Roses, proper protection during the Winter months must be given—it is too risky not to do it.

Chrysanthemums

Some of the Dwarf Sorts Should Be Propagated Early

If you are a retail grower, you still include Ivory among the midseason ones. The specialist may have discarded it for varieties which are not one bit better or as good; and for the average florist, it is as much a bread and butter variety as when Harris introduced it, only propagate it early, that is, if you want a good stem and a good flower on top of it. The man who grows perhaps the best Ivory for the Chicago market is W. N. Rudd. He can grow lots of other things well, but his pink and white Ivory show what really can be done with them. He propagates early and keeps the plants growing right along. You can't expect the best results if the cuttings remain longer in the propagation bench than they ought to or if the little plants have to suffer for several months in a thumb pot. Half of the inquiries, "What is the matter with my Chrysanthemums?" are due to negligence in these respects. A stunted plant when planted out may start up again and produce fair flowers, but don't expect the results from such a one as you would from one which never was interrupted in its growth. It is also time to propagate other early varieties known for their dwarf habit, such as Estelle and Glory of the Pacific. The sooner you get at them the better; only too often we see fine flowers of these on the market in October, but with short stems, and this is bad, it might lower them a whole dollar per dozen in value. Close planting or forcing will not overcome this; the one remedy is earlier propagation of the stock; and if you haven't enough on hand, there are plenty who have and at prices as reasonable as you can grow it for. Buy and start right!

Carnations

Seasonable Hints for Both Old and Young Stock

If you are located in that "warm wave belt" to which so many of us belong, and you grow Carnations, pay good attention to both the old as well as the young stock. The plants you expect to cut from yet for several months will need the best of care as to watering, feeding and cultivation. Don't allow them to suffer for the want of water. Because you have given the benches a thorough soaking on Wednesday isn't any reason for not examining the soil on Thursday, especially when the temperature in the house goes up to 85° or 90° during the day. We have still men in the business who do their watering on certain days, no matter what the weather or the state the soil is in. You say "they don't last long." That may be, and yet some of them hold on quite a while. After all, proper watering is the most important care needed for the old plants now. A little shading when the outside temperature goes over 70° won't do a particle of harm. A Carnation isn't a hot house plant, and the size as well as the color of the flowers is bound to suffer when we have such hot days as just experienced. The young stock is as important as the old; with many, more so. Don't let the

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early propagated plants struggle along in a 2"-inch pot; give them a shift into a size larger, the extra work doing it is well spent, even if you can't see it now. If a cold frame can be had, the young stock might as well be put there for the next two or three weeks. Have sash ready to cover the plants in case of bad weather; we may not have any serious change, yet it doesn't pay to run any chances in that respect. Don't put the sash on in the day time, on fair days; be ready only. It should be almost needless to say don't allow the young stock to run up into flowering shoots—that only weakens the little plants; pinch them at the first sign of the stem and thereby encourage them to branch out from the base.

The Retail Grower

A Few Suggestions for April

There has never been a Spring like this, March and 31 days of sunshine. One simply can't get around to transplant and shift the stock quick enough. This must be quite a problem with many small growers. We ourselves are fully four weeks ahead of last year, as far as the size of the bedding stock is concerned. We have Geraniums, Cannas and Salvias ready to go out for bedding, and our neighbors are in the same shape. With these plants, when in large enough pots and given plenty of room, no harm is done, but the small stock in 2" or 2½"-pots, as well as in flats, is liable to suffer, if not shifted in time. Nothing is worse than a spindly plant for bedding, no matter what variety it may be. Don't neglect the young stock now, it is too important. Many of us who conduct retail places have outdoor work to do for customers, which no doubt pays well, and yet it is certainly wrong to neglect the indoor work on account of it. After all, it hurts but little if a certain shrub is pruned or a bed spaded over this week or the next, but not so with the transplanting of the bedding stock when 75° and 80° in the shade is an every day occurrence for March. When a plant needs transplanting, or more room, if it doesn't get it it suffers and is bound to show the effects of it sooner or later. In our desire to make a few dollars we quite frequently attempt to do too many things at the same time, and the retail grower has a splendid chance to get caught that way, no one suffering but himself. Spend a little time each day now to plan out the work so as to do the greatest good—it pays.

Lowell, Mass.

Lowell is about 26 miles from Boston and has some 100,000 population. Business here during the Easter season was unusually brisk and between the Easter trade and the usual run of funeral work all stores were working day and night. There are six retail stores here, one being opened about the middle of March, in time to get a nice share of Easter trade.

Wm. J. Collins, 23 Gorham st., reports a very good season, which is the best he has had during the seven years the store has been open. A recent order was for a design showing part of an engine, with balance wheel and piston rod, etc., for the funeral of a local engineer; the piece was 6 ft. long.

Whittet & Co. of Summer st. report a good Easter and a great deal of funeral trade. This firm is making some alterations to their store, including a longer entrance.

R. A. Griffiths has been in his present location some 18 years and has had a very fine Easter trade. The funeral work made here is very much out of the ordinary and all pieces are made up from original ideas of Mr. Griffiths.

Morse & Beals, 8 Merrimack sq., have a splendid location on a main business street, and reported "sold out" for an Easter trade report. The store is tastefully arranged and the window is one which is unusually well fitted for display. The make-up counter is of marble and for the wrapping table there is a sheet of heavy brass which is kept well polished, this is somewhat of a novelty and makes a durable top to an otherwise easily cut up table top.

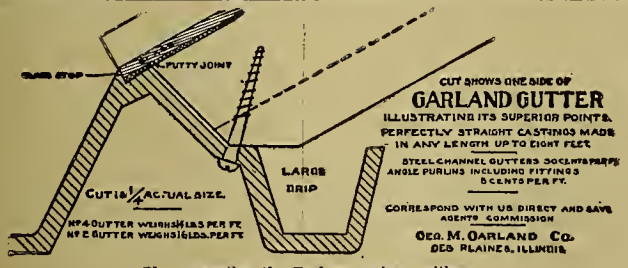
W. H. Shedd of Woburn st., South Lowell, has some 22,500 sq. ft. of glass, mainly devoted to Carnations, although considerable space is allotted to Violets, Sweet Peas, etc. Mr. Shedd was formerly a vegetable grower, but for the past three years has been raising flowers instead, with a few vegetable plants.

James Harding & Son have at present some 7000 sq. ft. of glass in which they grow Carnations and Sweet Peas for wholesale market and for local retail trade. Mr. Harding, Sr., is working out a number of seedlings of merit—one Carnation seen measured over 4½", and one has been cut which was over 5" in diameter, on a stem 42" long. The firm is having splendid success in their Carnation work and will be heard from on this stock before long. The house was built about three years ago, but Mr. Harding has only occupied it for about one year.

James J. McManmon of 6 Prescott st. has some 75 acres in nursery stock and about one acre under glass, to supply his retail flower shop near Merrimack sq., in Lowell. He makes a specialty of hardy and evergreen stock although considerable trade is had in fruit trees and large stock. At this time he has a quantity of large Elms, Maples, Pines and Spruces, ranging up to 25 ft. in height and up to 6" in diameter. Considerable ground is devoted to Phlox, Iris and Dahlias, of which he has great variety. Mr. McManmon has been here some 14 years, and at this time employs 25 men at the nursery and greenhouses, and a number of salesmen all about the country. A nice business is done in the store in seeds and supplies for farm and garden, and the past Easter season was the best he ever had.

A (W)holesome Occupation.—Mrs. Subbubs (who has hired a man to plant shade trees)—Digging out the holes, I see, Mr. Lannigan.

Lannigao—No, mum. Oi'm diggin' out the dirt an' lavin' the holes.—*Boston Transcript.*



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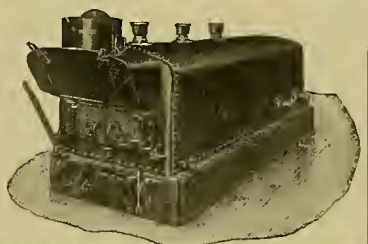

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Easter at Los Angeles

Easter Sunday was a wet one. Rain began to fall at 5 a.m. and kept falling until 3 p.m. The temperature was low (41°) and artificial heat in dwellings was necessary for comfort. The cut flower trade was good; prices were about the same as a year ago, with the possible exception of Cattleya and Lælia blooms which sold at $2 each this season, an advance of 50c. over last year.

L. Harrisii were in great abundance retailing at one to two dollars a plant with three to nine blooms each. Of these Tom Wright's greenhouses turned out the best stock this year. He has had them in his Flower Shop regularly since Christmas. He bought only the best grade bulbs last Fall for which he paid $200 per 1000 and, so far as I am aware, it is the first time such high-class bulbs have been planted by any grower here. The result in flowers of unusually large size proved the wisdom of the investment, then, too, his greenhouse superintendent is a man above the average in skill in cut flower growing.

Tulips sold for $1.50 per dozen. To an eastern grower of these flowers the price may seem fabulous. The fact is the early varieties are a failure here, and we have not yet learned all there is to know about forcing the late sorts. The low relative humidity of our climate, and the generally high temperature of the atmosphere, present problems to the grower which must be solved before cheap Tulip blooms on long stems may be had in our markets.

Callas have no commercial value. They grow in all the yards (and all residences have yards in Los Angeles) and the flowers may be had for the asking. Hyacinths grown in the open are of finer quality this season than I have seen here; they retail at 50c. per dozen.

Carnations, field grown, because of sunny days and scarcely any rain for a month, are fine and plentiful at 25c. to 50c. per dozen, but when fine flowers are wanted, even in this climate, the greenhouse-grown stock is in demand at 75c. to $1.50 per doz. The Wolfskill houses sent in the finest Astilbe Japonica and Cyclamen this season. The first named sold at $1 and $2 each; the second at 25c. to 75c. each. Roses retailed at $1 to $3 per doz., except American Beauty, which sold well at $8 to $15.

The Narcissus family are increasing in popularity and in the quantities grown. They are so well suited to our climate that, beginning with Paperwhites about the last of November, a succession of flowers may be had until May the first from the open ground. They found a ready sale at 25c. per doz. The time will come when they, like Callas, will have no commercial value here because everybody will have them in their yards. And when our park commissioners shall have learned that they may be successfully grown over the hills without any attention other than some fertilizer applied once a year, the parks of Los Angeles will contain Narcissus beds, acres in extent, and become famous for their beauty during the Winter months when we always have at least 50,000 visitors with us from the frozen, blizzard stricken country east of the Rocky Mountains.

A peculiar feature of these late rains is that they cover our mountain peaks with snow. An electric railway runs to the top of one of these, and the latter part of March and the first half of April, men and women of means, filled with the spirit of mirth, take empty sugar barrels to its summit and bring them back to town filled with snow, and a game of snowball is indulged in on our streets while it lasts, which is but a short time. This is the only means our native sons and daughters have of knowing how snow looks and feels to the touch. The reported depth of snow at this writing (March 28) at the summit of the mountain is fifteen inches.

One of our large hotels has planned, for the entertainments of its guests, a snowballing party on the lawn, where Geraniums, Marguerites, Roses, Heliotrope, Narcissus and Oxalis are all in full bloom. If we do not have a frost within ten days that will damage some of these flowers we shall be agreeably surprised; the temperature is 42° this morning. P. D. BARNHART.

Albany, N. Y.

Easter business this year was way ahead of expectations, all plants and cut flowers having a ready sale and at top prices. In the plant line Azaleas had the lead. Every store was well stocked for the demand and all comers could find what they wished to purchase.

F. A. Danker has purchased a fine large top delivery wagon and a fine Canadian span of roan horses to match, which made a strong hit at Easter time.

Jack Butts, with W. C. King, is laid up with pneumonia, having been taken with the sickness at Easter time. Sam Goldring is also laid up with a broken wrist, which made W. C. King short handed at the busy time.

W. W. Hannell of Watervliet, N. Y., had a beautiful supply of Rambler Roses, the new Newport Fairy and also Lady Gay, which were exceedingly fine and large plants.

The wholesalers around Albany were all cleaned up on stock of all kinds. They were well satisfied with results.

The next regular meeting of the Albany Florists' Club will be held the first Thursday in April, which will be followed by a stag and smoker for all members. There will be a few new applications presented for membership.

Visitors: Stephen Green of H. Bayersdorfer & Co., Philadelphia; H. Adler, with H. Adler & Sons. W. C. K.

SAN FRANCISCO, CAL.—Alex. Mann Jr., florist, has filed a voluntary petition in bankruptcy, with liabilities $3062 and assets nil.

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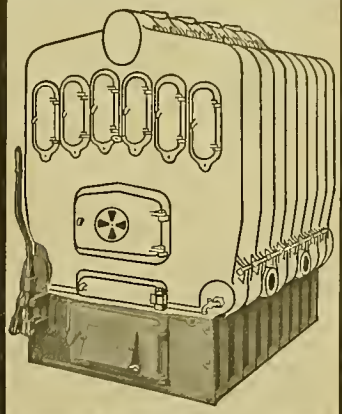

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

New Bedford, Mass.

Trade here the past week has been good. The very warm weather we are having has brought out the blooms quickly. Carnations are now retailing at 50c. per doz. Roses of good quality bring $1.50 per doz. Violets are still with us, but won't last much longer if the present hot weather continues; they are selling at 75c. and $1 per 100 blooms. Sweet Peas sell at 75c. and $1 per 100. Bulbous stock is in good shape; Tulips, Daffodils and Paperwhites sell at 50c. per doz., some single Narcissus at 35c. per doz., double Tulips at 60c. per doz. Callas bring $2 per doz., Easter Lilies $2.50 per doz. Snapdragon commands 75c. and $1 per doz. Candytuft, Alyssum and other fine flowers come in handily for funeral work.

Funeral work has been very good the past week or so, using up enormous quantities of stock.

H. V. Sowle reports a good clean up for Easter.

S. S. Peckham will have pretty nearly 10,000 Geraniums for Spring, besides other bedding plants.

Wm. E. Mosher has been tearing down some of the old houses on Walter P. Winsor's place. This is the gentleman after whom the Winsor Carnation was named.

Wm. S. Brown, Peter Murray, E. Y. Peirce, R. H. Woodhouse and others are busy now with garden work.

E. H. Chamberlain reports business as good with him.

A. H. Astley will have an immense lot of Ten Week Stocks.

Lawns are beginning to look green, and soon it will be time for cutting them again.

Everyone has now gotten over the Easter rush and all are well satisfied. The plant trade was the best ever.

Chamberlain is showing some nice Cyclamen at his store.

Wm. P. Peirce had some nice Whitmani Ferns for Easter.

One of our department stores is now selling Rose bushes at the low price of 10c. each.

Memorial Day will be the next rush for us all.

F. A. Treadup, Jr., will have an immense quantity of Aster plants this Spring for sale, and also for his own planting.

The weather is warm, all right for planting young Carnations if it would hold out. HORTICO.

Washington, D.C.

March went out like a lamb in the same placid manner peculiar to itself as a record-breaker throughout. The premature warm weather, with the mercury as high as 84°, rushed the young buds and many fruit trees are in full blossom, while the forests are taking on their Spring attire and the Judas and Dogwoods are opening nicely with a profusion of flowers. Small plants on the outside are again held in check by the drought which remained unbroken from the fore part of March to April 3, when a light rain fell. All planting has been greatly delayed as the soil is too dry to till.

The usual quietude which follows the Easter rush is on in Washington, while the stores are well filled with good stock and plenty of it in both cut flowers and plants. JAS. L. CARBERY.

Payne "T" Bar Greenhouses

THE LIGHTEST AND STRONGEST MADE

SEND FOR DESCRIPTIVE CIRCULAR

JOHN A. PAYNE, Horticultural and Heating Engineer
260-274 Culver Ave., JERSEY CITY, N.J.

Please mention the Exchange when writing.

We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.

The A. T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

WATER SUPPLY

HAVE you figured out how much COAL and TIME you use for your **pumping during the summer months**, and compared this with the expense of a few cents worth of gas or gasoline used by THE STANDARD PUMPING ENGINE for doing BETTER WORK IN LESS TIME?

Our catalogue will get you to thinking about it. Sent on request.

STANDARD PUMP & ENGINE CO.
15 Michigan St., CLEVELAND, OHIO

Please mention the Exchange when writing.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Please mention the Exchange when writing.

Write to us about your

Materials and Plans
for any size and style of
GREENHOUSE
for new structure or repairs.

Hot-Bed Sash
in stock or any size required.

Pecky Cypress Benches
most lasting—least expensive.

THE FOLEY MFG. CO.
Western Ave. and 26th St., CHICAGO.

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SUMMER IN WINTER
BY USING
Standard Greenhouse Boilers
One cent gets our catalog.
GIBLIN & CO., Utica, N. Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Unquestionably The Lightest, Safest House Built

A complete iron frame, completely supported with the required number of columns to take from the ridge and eaves the tremendous strain of roof weight, and wind and snow pressure.

The greenhouse engineers who designed it, first made sure it was strong enough, then they made it light enough.

It is the Sectional Iron Frame Construction, which is not the cheapest house you can build, but it costs what is necessary to make it safe and sure.

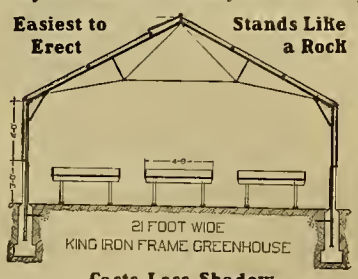
We have several other photos of this house we would like to have you see. If interested, write and let us know.

LORD & BURNHAM CO., IRVINGTON, N. Y.
New York St. James Bldg. | Boston Tremont Bldg. | Philadelphia Heed Bldg. | Chicago The Rookery

How About This?

"The Best Houses we have and we erected them ourselves without any trouble."—*From one of the well known growers in Jersey.*

Easiest to Erect — **Stands Like a Rock**



Casts Less Shadow

"Ask the Man Who Has One"

John Young Co., New York City, 54 by 561.
Scott & Son, Sharon Hill, 6 houses, 25 by 166.
John N. May, Summit, N. J., Whole Range, 5 houses, 28 by 225.
E. W. Fengar, Irvington, N. J., 3 houses, 28 by 150.
G. F. Neipp, Chatham, N. J., 42 by 300.
C. E. Meehan, Holland, Pa., 50 by 300.
Florex Gardens, North Wales, 172 by 700.
John W. Young, Germantown, Pa., 2 houses, 35 by 300.

Why Not You?

KING CONSTRUCTION CO., NORTH TONAWANDA, N. Y.

Please mention the Exchange when writing.

Order Your Material Now!!!

DON'T wait until May or June and then expect to get your goods in double quick time. Take the matter up right after Easter and get things under way so you will not be delayed this Spring.

This is going to be the biggest building year yet and if you have the money and space by all means put up some more glass and do it at once!

Send for our catalogs:
No. 4—Greenhouse
No. 5—Boiler
No. 6—Pipe & Fittings

John C. Moninger Co., Chicago
906 Blackhawk Street

THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

Send for Circulars — **DILLER, CASKEY & KEEN.** — Successors to JENNINGS BROS.
S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

Please mention the Exchange when writing.

SIXTY YEARS OF RETROSPECT CONTINUED IN THIS ISSUE

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 16 NEW YORK AND CHICAGO, APRIL 16, 1910 One Dollar Per Year

Amherst MASS
Walter Hall M A C
APR 13

HARDY FIELD-GROWN ROSES

We offer a fine stock of the following roses:

HYBRID PERPETUALS

Ulrich Brunner, Paul Neyron, Gen. Jacqueminot, Magna Charta, Mrs. John Laing, Baroness de Rothschild and other assorted varieties in less quantities, like Mme. Gabrielle Luizet, Marshall P. Wilder, Anna de Diesbach, Baron de Bonstetten, Prince Camille de Rohan, Alfred Colomb, Gen. Washington, Princess Bearn, Rugosa Rubra, Rugosa Alba, Blanche Moreau (White Moss), Chapeau de Napoleon (Pink Moss), Persian Yellow, etc.

$2.00 per dozen, **$13.50** per 100.

Frau Karl Druschki, Capt. Hayward, Hugh Dickson and Mrs. R. G. Sharman-Crawford. $2.25 per dozen, $16.00 per 100.

HYBRID TEAS

White Killarney, $3.50 per dozen, $25.00 per 100.

Killarney (pink,) Grus an Teplitz, La France, Maman Cochet, White Maman Cochet, Lady Mary Fitzwilliam, Hermosa, Etoile de France, Mme. Abel Chatenay, Mme. Jules Grolez, Clothilde Soupert, etc.

$2.50 per dozen, **$18.00** per 100.

CLIMBING

Tausendschön and Lady Gay, $3.00 per dozen, $20.00 per 100.

Dorothy Perkins and Crimson Rambler, $2.25 per dozen, $15.00 per 100.

F. R. PIERSON CO.

Tarrytown-on-Hudson NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

GRAFTED AND OWN ROOT ROSES

WHITE KILLARNEY (Waban Strain)

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.50 "	8.00 "	75.00 "

KILLARNEY

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000

MY MARYLAND

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000

RICHMOND, KAISERIN, BRIDES and 'MAIDS

Grafted	$2.00 per doz.	$15.00 per 100	$120.00 per 1000
Own-Root	1.00 "	5.00 "	45.00 "

CHRYSANTHEMUMS

For immediate delivery. Mrs. W. E. Kelley, Gloria, President Taft, Polly, Merry Jane, Dolly Dimple. From 2¼-in. pots, $10.00 per 100, $90.00 per 1000.

We have a large stock of Pacific Supreme and Golden Glow ready for shipment from 2¼-in. pots, $3.00 per 100, $25.00 per 1000.

BEDDING PLANTS

Coleus, Salvia, Alternanthera, Heliotrope, Ageratum. Now ready.

Send for catalogue

Please mention the Exchange when writing.

Splendid New Crop of

Asparagus Plumosus Nanus

Extra heavy strings, 50 cents each

Asparagus Sprengeri Seedlings

In fine condition. **$10.00 per 100.**

W. H. ELLIOTT

BRIGHTON, MASS.

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CANNAS

Strong, well-rooted plants, from 3-inch pots; ready for immediate shipment.

Jean Tissot, Prea. Myers, Pennsylvania, Buttercup, Louisiana, Egandale, Florence Vaughan, Alph. Bouvier, 75c. per doz., $3.00 per 100, $25.00 per 1000.

Strong Dormant Roots, Jean Tissot, Pennsylvania, Louisiana, Alph. Bouvier, $1.50 per 100, $10.00 per 1000.

	Per 100	2-in. 1000	3-in. 100
CENTAUREA Gymnocarpa	$2.00	$18.50	$3.00
CINERARIA, Maritima Candidissima	2.00	18.50	3.00
HARDY CHRYSANTHEMUMS, Good Varieties	2.00		
APPLE GERANIUMS	2.00		4.00
ALTERNANTHERA, Red and Yellow	2.00	18.50	
ALYSSUM, Dwarf and Giant Double	2.00	18.50	
COLEUS, Golden Bedder and Verschaffeltii	2.00	18.50	3.00
GERMAN, or PARLOR IVY	2.00		
GERANIUMS, Standard Varieties	2.00	18.50	3.00
GERANIUMS, Ivy Leaved	2.00	18.50	
FUCHSIAS, Six Varieties	2.00	18.50	3.00
LEMON VERBENAS, (Aloysia Citriodora)	2.00	18.50	3.00
PETUNIAS, Double Mixed Colors	2.00	18.50	3.00
PETUNIAS, Dreer's Superb Single	2.00	18.50	3.00
VERBENAS, Red, White, Pink and Purple	2.00	18.50	3.00
SWAINSONA Alba	2.00		
LOBELIA, Kathleen Mallard and Newport Model	2.00	18.50	
HARDY IVY	2.00	17.50	
SALVIA, Bonfire and Zurich	2.00	17.50	3.00
ASTERS, Vick's Early and Late Branching, Select colors, strong, transplanted plants	2.00	18.50	
DAHLIA ROOTS, 5000, Mixed to color	4.00	35.00	

DAHLIA ROOTS, Jack Rose, Sensation, Fringed 20th Century, Fringed Beauty, Gladys, Rose Pink Century, Big Chief, at $3.50 per dozen, $25.00 per 100.

Cash with Order. Visitors Always Welcome.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

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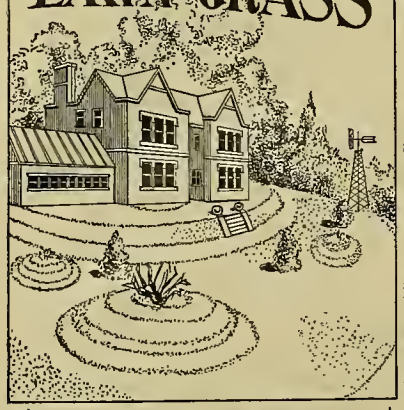
LAWN GRASS



Elliott's Lawn Grass Seed

Put Up in Lithographed Cartons for Counter Trade

Pints $4.00 per 100
Quarts $7.00 per 100

BEGONIA, Tuberous-Rooted

	Doz.	100
Single White	$0.50	$2.60
Red	.50	2.60
Rose	.50	2.60
Yellow	.50	2.50
Orange	.50	2.50
Mixed colors	.40	2.25
Double colors, separate or mixed	.60	4.00

CALADIUM ESCULENTUM

Medium	1.00	8.00
Large	1.26	10.00

CINNAMON VINE

Extra Large roots	.35	2.00

GLOXINIAS

	Doz.	100
Mixed	$0.60	$3.50
Separate Colors	.60	3.60

GLADIOLUS

	Per 100	1000
America. Soft flesh-pink	$6.00	
Augusta. Lovely pure white, with blue anthers	2.60	$20.00
May. A lovely pure white flower, finely flaked bright rosy crimson	2.60	20.00
Red and Scarlet, mixed	1.26	10.00
White and Light	2.00	18.00
Pink, mixed	1.75	16.00
Yellow and Orange, mixed	3.60	30.00
Striped and Variegated, mixed	2.60	20.00
Fine mixed, all colors	1.00	8.00
Lemoine's Hybrids, mixed. First size	1.75	16.00

DAHLIAS

Double Large-flowering and Cactus, leading varieties, mixed	1.00	6.00

LILIES

Auratum ..Per 1000, $72.50	1.25	8.00
Speciosum, Album	1.25	9.00
Rubrum or Roseum	1.26	8.26

MADEIRA VINE

Extra Strong Roots	.30	2.00

TUBEROSES

Dwarf Double Pearl (Excelsior) 4x6 in....1000, $8.00		1.00

WM. ELLIOTT & SONS 42 Vesey Street NEW YORK

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Lawn Grass Seed

Pint packages, 75 cents. per dozen, $6.00 per 100; quart packages, $1.50 per dozen, $12.00 per100; bushel (16 lbs.), $2.75

Stumpp & Walter Co 50 Barclay St. NEW YORK

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XXX STOCK

AGERATUM Princess Pauline, very fine and strong, $2.50 per 100.

STAR PETUNIA, XX Strong, 2¼-in., $3.00 per 100, 200 for $5.00.

SALVIA, Bonfire, finest grown, strong 2-in., $2.00 per 100, 300 for $5.00.

PRIMROSE SEED

IMPROVED CHINESE

Finest grown large flowering, fringed, single and double, 16 varieties, mixed, 600 seeds, $1.00; half pkt., 60c. Have the varieties separate, also.

PRIMULA Kewensis, the grand, new, sweet-scented, Yellow Primrose, pkt. 25c.

CINERARIA Finest large-flowering dwarf, mixed, 1000 seeds, 50c.

GIANT PANSY The best large flowering varieties, critically selected 5000 seeds, $1.00; half pkt., 60c.; oz., $2.60. 500 seeds of Giant Mme. Perret Pansy Seed added to every $1.00 pkt.

CASH. Liberal extra count.

JOHN F. RUPP, Shiremanstown, Pa.

RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

SPRING BULBS

		Per doz.	100
Lilium Auratum,	8- 9 inch.	$0.90	$6.00
Lilium Auratum,	9-11 inch.	1.25	9.00
Lilium Rubrum,	8- 9 inch.	.85	6.00
Lilium Rubrum,	9-11 inch.	1.25	7.50

GLADIOLUS BULBS

Those having once used my "Floracroft" Mixture always want them again.

FLORACROFT MIXTURE—	Per 100	1000
No. 1 size	$1.60	$10.00
No. 2 size	1.00	7.50
Shades, White and Light	1.75	15.00
Shades of Red and Scarlet	1.25	9.00

TUBEROSES

PEARL DOUBLE

	Per 100	1000
Monsters	$1.25	$12.00
No. 1, large 4-6	.90	7.60

CALADIUM ESCULENTUM

	Per doz.	100
7 to 9 inch	$0.60	$4.00
9 to 11 inch	.85	6.00
11 to 12 inch	1.50	10.00
12 to 18 inch	2.00	15.00

CYCAS STEMS

Fresh, just in from Japan.

10-lb. lots	10c. per lb.
26-lb. lots	8c. per lb.
100-lb. lots	7½c. per lb.
Case (300 lbs.)	$21.00

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Order now and be sure to grow this year

Rawson's Gold Medal Chinese Primulas

Without doubt the finest strain in the country

We offer the following colors: Pure White, Brilliant Pink, Deep Blue, Crimson, Salmon, Bright Christmas Red, and White with Red Eye; also a wonderful mixture at the price of:

Per Hundred seeds, 50c.; thousand seeds, $4.00

The proper time to sow Primulas is during the month of May, so please do not delay in ordering.

W. W. RAWSON & CO., Seedsmen
5 UNION STREET, BOSTON, MASS.

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ENGLISH AND AMERICAN

VAUGHAN'S SEED STORE
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	Per 100	1000
Beet Plants	$0.20	$1.25
Egg Plants	.40	2.00
Pepper Plants, Bull Nose, Sweet Mountain and Ruby King	.40	2.00
Tomatoes, Small Plants of Earliana, Early Jewel, Dwarf Stone, Champion, Ponderosa and Matchless	.30	2.00
Tomatoes, Small Plants of Stone, Paragon, Favorite and Success	.20	1.00

R. Vincent, Jr. & Sons Co, White Marsh, Md.

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KENTIA SEED

Per S. S. Australia, to arrive this month, also other Palm Seed for immediate delivery.

	Per 100	1,000	10,000
Kentia Forsteriana	$0 50	$4 60	$40 00
" Belmoreana	60	4 00	37 50
Cocos Weddelliana	1 00	7 50	70 00
Areca lutescens	1 00	7 50	70 00
Latania Borbonica	30	2 50	20 00

	Per 100	1,000	10,000
Livistona rotundifolia	$2 00	$17 50	
" Chinensis	1 00	7 50	$70 00
Phoenix Canariensis	30	3 00	27 50
Phoenix Roebelenii	1 00	7 50	
Musa Eosete	1 00	7 50	

PRICES UPON LARGER QUANTITIES UPON APPLICATION

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., N. Y. City

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Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C.

Trade Mark **American Spawn Co., St. Paul, Minn.**

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Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

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RICKARDS BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

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Tel. 4235 Gramercy — NEW YORK CITY

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Special offer of leading varieties for Florists.

Blanche Ferry. Extra early. pink and white, Lb	$0.25
Countess of Radnor. Lavender	.25
Countess Spencer. Giant flowering pink	.70
Dorothy Eckford. The best white of the standard vars.	.25
Duke of Westminster. Clear purple	.25
Gladys Unwin. Giant flg., soft pink	.40
King Edward VII. The best red variety	.25
Lady Grisel Hamilton. The best Lavender var.	.25
Primrose Spencer. Primrose yellow	1.00
Splendid. (Sun proof) scarlet, very large	.25

WEEBER & DON, SEED MERCHANTS and GROWERS
114 Chambers St., New York

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Exceptionally Fine Roots, 2 to 7 eyes.

	Doz.	100
Double White	$1.50	$7.00
Double Pink	1.25	6.00
Double Red	1.25	6.00
Double Mixed	1.00	6.00

Elephant's Ears

(Caladiums)

	100	1000
Size, 6 to 7 inches	$1.25	$10.00
Size, 7 to 9 inches	3.00	20.00
Size, 9 to 11 inches	6.00	55.00
MADIERA VINE ROOTS	1.25	10.00
CINNAMON VINE ROOTS	2.60	

Tuberous Begonias

Large plump Bulbs from a prize strain.

	Doz.	100	1000
Single mixed	$0.35	$2.00	$13.00
Single separate colors	.40	2.25	20.00
Double mixed	.60	4.00	33.00

Giant Gloxinias

Choice mixed	.60	3.25	30.00
Separate colors	.60	3.60	33.00

Canna Roots

Mixed, fine roots	.30	1.75	15.00
Named sorts	.35	2.60	20.00

Send for list.

Tuberoses

Excelsior Pearl, No. 1		1.00	7.00
Excelsior Pearl, No. 2		.60	4.00

Johnson Seed Co.

217 Market St., PHILADELPHIA, PA.

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CALADIUM esculentum, Fancy Caladiums from Brazil.
GLADIOLI, all sorts. Japan IRIS. Japan LILIES.
Double-flowering CHERRIES.
Send for our new Spring list.

H. H. BERGER & CO.
70 Warren St., New York City

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CABBAGE
MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

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Stock Seed
Fiske's Branching in all colors. Tr. pkt. 40c., oz. $4.00.
Pure White, tr. pkt. 50c., oz. $5.00.
Also Beauty of Nice strains.
H. E. FISKE SEED CO., Boston, Mass.

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WINTER FLOWERING SWEET PEAS
ALL COLORS
SEND FOR LIST
ANTON C. ZVOLANEK, Bound Brook, N. J.

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ASPARAGUS ROOTS
LARGE STOCK
Write for Prices
C. A. BENNETT Robbinsville, New Jersey

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"BUDS"
76 Barclay St, NEW YORK
HIGH GRADE SEEDS BULBS and PLANTS
CARL R. GLOECKNER, Pres.

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Try The Following
CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Gigaoteum.
MIGNONETTE—"New York Market."
STOCKS—"Burnett's Perpetual White."
CAULIFLOWER—Burnett's Selected "Snowball."
BURNETT'S LIBERTY TOMATO
Write for our Illustrated Catalogue
BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

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Thorburn's Seeds
HIGHEST GRADE ONLY
Send for special wholesale catalogue for Market Gardeners and Florists
J. M. THORBURN & CO., 33 Barclay St. New York

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S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.

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PHILADELPHIA
Blue List of Wholesale Prices mailed only to those who plant for profit.

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MICHELL'S SEEDS GIVE RESULTS
1018 & 518 MARKET STREET.
PHILADELPHIA, PA.

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BOSTON, MASS.
SEEDS
For Florists, Market Gardeners and Critical Buyers
Wholesale list mailed to those using seeds in quantity

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Seeds, Bulbs Plants
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My Specialty is
Quality Strains of Seeds and Supplies for the Private Trade

AMERICAN SEED TRADE ASSOCIATION

President J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard H. Vaughan, Chicago.

IMPORTS, ETC.—April 4.—H. M. Baker, 200 bags Clover seed; Maltus & Ware, 5 cases living plants; A. Rolker & Sons, 18 cases living plants; Rooney & Spence, 1 basket living plants. April 5.—F. B. Vandegrift & Co., 10 cases plants; G. W. Sheldon & Co., 4 cases plants; H. F. Darrow, 63 packages seeds; P. Henderson & Co., 25 bags seeds; F. B. Vandegrift & Co., 70 cases plants; P. C. Kuyper & Co., 1 case bulbs; W. Elliott & Sons, 5 cases plants; F. R. Pierson Co., 7 cases plants; G. J. Kelley, 12 cases plants; McHutchison & Co., 13 cases plants; A. Rolker & Sons, 1 case living plants. April 6.—A. Rolker & Sons, 15 cases plants; E. W. & H. Cadwell, 1 basket plants; C. B. Richard & Co., 147 cases plants; P. C. Kuyper & Co., 1 barrel plants. April 7.—Davies, Turner & Co., 12 packages seeds; Maltus & Ware, 1 case live plants; F. B. Vandegrift & Co., 11 cases plants. April 9-10.—H. A. Wheeler, 2 cases plants. April 11.—Vaughan's Seed Store, 1 barrel Lily buds; F. B. Vandegrift & Co., 6 boxes Lilies; Maltus & Ware, 2 cases plants; A. Rolker & Sons, 6 cases plants; O. G. Hempstead & Son, 9 cases plants.

European Notes

Dry, cool and very sunny conditions still continue and the easterly winds are causing the wet heavy lands to cake over as hard as the high road so that a few warm showers would be very acceptable.

The lighter lands are now in splendid working order and Beets and Mangels are being transplanted under conditions that would have been considered ideal in the middle of February. The chief difficulty appears to exist in the Loire Valley from which reports are just to hand stating that many beds of plants are still almost inaccessible and much of the land too wet to be cultivated. As we are now in April it will soon be too late to do anything this year.

On lands that are workable nothing now stands in the way of Spring sowings but the intense stupidity of the growers, and this unfortunately causes worry and loss to us all.

Lucerne (Alfalfa) is such an important article for the seedsman all the world over that the following table of the results of experiments conducted by Dr. Steiblerio, Switzerland will be read with interest. The varieties tested were Provence, Turkestan and Spanish; two separate plots, each of 33 metres square, were sown, with results as follows:

		Provence *kilog.	Turkestan kilog.	Spanish kilog.
1904:	2 cuts	67.0	63.8	58.2
1905:	3 cuts	191.8	160.6	138.6
1906:	3 cuts	207.5	152.9	157.1
1907:	3 cuts	199.6	141.7	135.2
1908:	3 cuts	172.7	108.4	156.4
1909:	2 cuts	127.3	86.8	105.0
Average per annum		161.5	118.9	128.4

* 5 Kilos equal 11 pounds.

It will be readily seen that both for productiveness and durability the Provence seed is far ahead of either of its rivals. It is, however, right to state

"Horseshoe Brand" Products

The pulse of an elephant beats 30 times per minute; that of a horse 40; of a man 70, and that of a mouse about 700—or in proportion to size. An experienced horse trainer once said that he had known an unkind word to increase the pulse beats of a thoroughbred 10 per minute. Now, if an unkind word to a thoroughbred horse will increase his pulse beats 10 per minute, how fast will a thoroughbred florist's pulse beat when he realizes he is stung on Lily bulbs? If you are a thoroughbred and want the best in bulbs, buy the Horseshoe Brand Products

RALPH M. WARD & CO.
12 West Broadway—New York

The new Catalog just out—edition limited to 3500. If you are not a Pisterine you can have one for the asking.

"NOT HOW CHEAP—BUT HOW GOOD"

Please mention the Exchange when writing.

Direct Importations

AT FOREIGN GROWERS' PRICES

From BELGIUM Palms, Araucarias, Bay Trees, Azalea Indica, etc.
From HOLLAND Boxwood, Rhododendrons, pot grown Shrubs for forcing, etc., etc.
From GERMANY Valley Pips. Early or late forcing.
From ENGLAND English Manetti selected for grafting.
From JAPAN Lilium Longiflorum, Giganteum, Multiflorum, etc.

Full list of Japanese, Holland, English and French Nursery Stock

Write for catalogues, special lists, etc., mentioning the class of stock you are interested in.

RAFFIA 5 grades. Bale lots only.

Our business is import and wholesale only. Don't write unless you use sufficient to make direct separate importations

McHUTCHISON & CO.

17 MURRAY STREET Please mention the Exchange when writing. NEW YORK

ELEPHANT'S EAR

Caladium Esculentum

Bulbs 6 to 8 inches in circumference, 200 in a case, 25c. per doz., $2.00 per 100, $15.00 per 1000.

Bulbs 8 to 10 inches, 100 in a case, 50c. per doz., $3.50 per 100, $30.00 per 1000.

Bulbs 10 to 12 inches, 75 in a case, 75c. per doz., $5.50 per 100, $50.00 per 1000.

Bulbs 12 to 13 inches, 50 in a case, $1.00 per doz., $8.00 per 100, $75.00 per 1000.

Monster bulbs 13 inches and upward in circumference, 25 in a case, $1.50 per doz., $12.00 per 100.

Full cases at 100 rate

"Red Seal Brand"

Excelsior Pearl Tuberoses

4 to 6 inches

$7.50 per 1000; $1.00 per 100

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street

NEW YORK CITY, N. Y.

Please mention the Exchange when writing.

CANNAS

KING HUMBERT, CHAS. HENDERSON, EX. CRAMPBELL, MAD. CROZY, ALPHONSE BOUVIER, MLLE. BERAT, FLORENCE VAUGHAN, SOUV. DE ANTOINE CROZY.

Write for special prices, stating quantity wanted.

FRESH TOBACCO STEMS. Bale of 300 lbs. $1.75; Ton $9.00.

W. C. BECKERT

SEEDSMAN

103 Federal St., N. S., Pittsburg

¼ Million Canna Plants

OVER 100 VARIETIES

Started in beds out of doors, strong well-rooted plants.

Prices range from $1.50 per 100 up, according to varieties and quantity wanted. Plants ready after April 15, they will be packed light in moss. Send us a list of your wants and let us quote you prices. We also have dry roots in many varieties.

Frank Cummings Bulb & Plant Co.

Canna Growers, MERIDIAN, MISS.

Please mention the Exchange when writing.

CANNAS

Our own home-grown stock is true to name. Extra Selected, plump, sound, 2, 3, 4-eyed roots.

	Per 100		Per 100
Austria	$1.20	M. Washington	$2.25
Allemania	1.20	Mont Blanc	4.50
Alba Rosea	1.20	McKinley	1.40
Alph. Bouvier	1.50	Mrs. K. Gray	1.50
Alsace, white	1.50	Niagara	2.50
B. Poitevine	1.75	Papa Nardy	2.00
Buttercup, new	1.50	Pennsylvania	1.50
Black Prince	1.80	Premier, gold ed	1.75
Black Beauty	2.50	Pres. Meyers	2.00
Brandywine	2.00	Queen Charlotte	2.00
Chas. Henderson	1.50	R. Wallace	2.50
Crimson Bedder	2.00	So. d'A. Crozy	2.25
D. of Marlboro'	2.00	Shenandoah	1.75
Egandale	1.50	Sec. Chabanne	2.00
Express, dwarf	2.00	Venus, new	3.00
Flor. Vaughan	1.80	Wm. Saunders, new	10.00
Gladiator, new	2.25	West Grove	1.80
King Humbert	4.50	Wm. Boffinger	1.50
Louise, pink	1.80	Sep. colors mix.	1.00
Louisiana	1.50	All kinds mxd.	.70
Mad. Crozy	2.00		

CALADIUM Esculentum (Elephant's Ears).

	Doz.	100
6-8 in. circumference	$0.25	$1.75
8-10 in. circumference	.50	3.50
10-12 in. circumference	.75	5.50

TUBEROSES, Dwarf Pearl, 1st size, $7.50 per 1000, 80c. per 100; 2nd size, $4.50 per 1000.
GLADIOLUS Gandavensis, light shades, all colors mixed, 75c. per 100, $7.00 per 1000.
PANSY PLANTS, large, transplanted; Vautier's Mammoth Bugnot, etc., including the new odorous strain Orchideaeflora, $3.00 per 1000; 2000 for $5.00.

SBELLROAD GREENHOUSES, Grange, Baltimore, Md.

Please mention the Exchange when writing.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

that the Turkestan variety gives splendid results in very bleak and exposed positions.

As the mail is closing we learn by cable that Marseilles, Nenies and Montpelier were visited yesterday with fairly heavy falls of snow: Paris and London also report light snow showers, and in both cities 9° Fahr. of frost was registered during the night.

The prevailing dryness of the air will minimize the mischief done by these unseasonable visitations.

EUROPEAN SEEDS.

American Notes

Trade Strong and Steady

The past week has been one of the best with the seedsmen so far this season; the somewhat cooler weather steadied counter trade quite a little and thus gave a chance to reduce in some measure the mass of accumulated orders. Between the terrible rushes of retail counter business that each warm spell always brings at this season, every effort to fill mail and express orders is made; but this season night and even Sunday work has not been nearly sufficient with many of the larger houses to keep at all even with the splendid volume of orders that are each day being received. Regarding seed stocks, as has been expected would be the case, many important items are already almost impossible to obtain. In Peas, perhaps the shortages in the list of wrinkled varieties, as a whole, are the most acute in years. The demand for Gradus, Sutton's Excelsior, Telephone, Thomas Laxton and kindred sorts is impossible to satisfy; offers of $10 and even more per bushel have been made for Gradus without producing any. Many important varieties of Beets and Radishes are very difficult to obtain also; but it can be truly said that taking the entire list of seeds right through, very much less trouble from short seed supplies has been experienced than has all along been expected. Regarding the sales of Sweet Peas, so far this season, they have been simply enormous. Early in the year many of the larger dealers felt that they were very much overstocked and destined to sustain severe losses on this important seed; it is, therefore, very satisfactory to be able to note that the splendid demand for Sweet Peas has reduced stocks to just about a normal level. Seed Potatoes are in good demand, but in some sections the very low rates for table stock has affected prices adversely. At the moment $2 to $2.75 is the market for standard varieties; table stock has in some sections sold during the past week in large lots as low as $1.25 per barrel, and that for the best quality. It is worthy of special mention the particularly large demand there is for Grass seeds and Clovers; this applies especially to lawn Grass seed.

Red Varieties of Onions

Red Onions would seem to be gaining in general favor even faster in many sections than either the yellow or white varieties. Two varieties of red Onions will be found ample to supply most calls in this direction, the Large Red Wethersfield and the Southport Red Globe. The Large Red Wethersfield is always standard, an immense yielder and brings top prices in the market. The bulb itself is large, of flattened, oval shape, and good quality, especially adapted to dry soils, perhaps a greater favorite in the East than in other sections. The Southport Red Globe is the universally known globe-shaped sort and will satisfy every customer who does not wish a flat Onion. This Onion is also very large and uniformly spherical in shape. It is a somewhat later maturing sort than the Wethersfield, and considered by many the best Winter keeper of all Onions. Should customers desire other red varieties than the two standard sorts just described, the dealer can easily obtain them from his seedsman, but in most cases these two red varieties of Onion seed will be ample stock to carry.

Vegetable Plants

The season has arrived when a good assortment of vegetable plants will be found rapid sellers. It is not wise to force the tender varieties, such as Tomato, Eggplants, etc., upon customers too early; wait until the weather is warm and settled for these. But early Cabbage, Lettuce, and all hardy sorts can be sold now, and for the next two months an active trade can be done. Pot-grown plants of the various herbs will be found excellent sellers. Such varieties as Sage, Sweet Marjoram, Thyme, Dill and many others retail well. Of course, in this line is included Asparagus and Rhubarb roots; in fact, if the proper attention and care be given to vegetable plant sales a most satisfactory volume of business can be easily worked up in this direction. One vital point must be borne in mind, however—only vegetable plants of the best quality are profitable to handle, customers being very critical in selecting them, they will not touch poor quality.

V.

A Great Southern Seed House

The Atlanta (Ga.) Constitution in its issue of April 10 gives a three-column notice to the seed house of Hastings & Co. of that city, and in its final summing up proclaims it one of the great industries of Atlanta and wishes "we had more enterprising firms like this covering other lines of business; we have got through thinking that the seed business is an insignificant one." The Constitution states that the Atlanta post office has paid more money orders to Hastings & Co. than to all the rest of Atlanta put together during the months of January and February. It is said the firm issues more than 600,000 catalogs yearly, and that the house of H. G. Hastings & Co. which moved from Florida ten years ago has grown to be the largest seed firm in the South. The members thereof are H. G. Hastings and H. W. Brown.

Apart from their immense business in the ordinary garden seeds, a great specialty with this firm is Corn and Cotton seed. We have previously mentioned the fact that they recently established a "Seed or Plant Breeding Department" which is working along well defined lines in the endeavor to improve existing varieties and to originate new ones.

J. BOLGIANO & SON

WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS

BALTIMORE, MD.

Please mention the Exchange when writing.

EVERY FLORIST WHO GROWS

ASTERS

Should Send for Our Aster Book Immediately

Get your name on our files for our regular **Florists' Wholesale Catalogue.** These books are free.

JAMES VICK'S SONS

ROCHESTER, N. Y.

Mention this paper

Please mention the Exchange when writing.

Aster Lady Roosevelt

Late. Longest Stem, Rich Pink. Sow end of April. Trade packet, selected stock, 50c.; good stock, 30c. Write for prices in quantity. Tested seed.

JAS. MACFARLANE, Staatsburg-on-Hudson, N.Y.

Please mention the Exchange when writing.

Gladioli

Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck and Pactole.

LILIES, IRIS, CINNAMON VINES and other bulbs for Spring planting.

Send for prices.

E. S. MILLER

WADING RIVER, LONG ISLAND, N. Y.

Please mention the Exchange when writing.

HEADQUARTERS FOR

GLADIOLI

and Other Bulbs

JOHN LEWIS CHILDS

FLORAL PARK, N. Y.

Please mention the Exchange when writing.

Florists Handling Seeds

It has been the endeavor of The Florists' Exchange to interest florists in the handling of seeds, bulbs, etc., as an auxiliary to their business. Thus it gives us great pleasure to publish a warm endorsement of our efforts from a representative of one of the largest English seed houses; this gentleman says:

"I am in the fullest sympathy with your efforts to interest the florists in your country in the sale of seeds.

"The matter is too important to be left in the hands of department stores, however ably conducted, so I trust you will keep hammering away.

"No one knows better than an intelligent florist what will sell and what is worth selling, and I think the effect of your suggestion, if properly carried out, will be to elevate the tone of the country trade, bring a knowledge of the useful and the beautiful into the outlying districts, and help, instead of destroy, the trade of the high-class mail order houses.

"You may rely upon receiving all the help I am able to render."

500,000 PANSIES

Finest Strain Grown

Grown from seed of our own raising, this strain is the result of over 25 years' careful selection, and for size, form and substance and wide range of color in clear, brilliant selfs and novel shades and markings, they will be found unsurpassed. The colors are very evenly assorted and the growth is very strong and stocky. Fall transplanted plants ready to bud and bloom.

Price $10.00 per 1000.
Larger Sizes $15.00 and $20.00 per 1000.

English Daisies, in bloom, pink and white; two sizes, **$1.50 and $2.50 per 100.**

EXPRESS ONLY CASH WITH ORDER

I. E. COBURN

291 Ferry St., EVERETT, MASS.

Please mention the Exchange when writing.

SURPLUS STOCK

LILIUM AURATUMS

8 to 9 inches (130 in a case), $4.50 per case

LILIUM SPECIOSUM ALBUMS

8 to 9 inches (220 in a case), $13.00 per case

CYCAS STEMS

3 to 8 lbs. (300 lbs to a case), $16.50 per case

Prices F. O. B. New York. Sold only in case lots. Stock limited. Order at once.

BAMBOO STAKES

Natural and green, various sizes always on hand

YOKOHAMA NURSERY CO., Ltd. 31 BARCLAY ST. NEW YORK

Please mention the Exchange when writing.

READY NOW
250,000
SUPERB STRAIN

PANSIES

Fall transplanted Pansies in bud and bloom. A trial order will convince you that our Superb Strain is the best you have ever handled. $1.25 per 100; $10.00 per 1000. Cash with order.

Leonard Cousins, Jr.
Concord Junction, Mass.
Largest Grower of Field-Grown Pansies in America

Please mention the Exchange when writing.

PANSIES

Brown's Prize Pansies, Fall transplanted, large stocky plants, in bud and bloom. **Mixed Colors,** in any quantity. 15,000 **Giant Yellow** with dark eye, $1.25 per 100, $10.00 per 1000. Cash with order.

PETER BROWN, 124 RUBY STREET **Lancaster, Pa.**

Please mention the Exchange when writing.

PANSY PLANTS

Of my largest flowering **Mixture of Show Varieties,** unsurpassed quality, short, bushy, transplanted plants, in bud and bloom, at $1.25 per 100, $10.00 per 1000.

BELLIS Perennis (Daisies), largest double red and white, not transplanted, but fine strong plants commencing to bloom, at $2.00 per 1000; 500 at 1000 rate.

GUSTAV PITZONKA, Bristol, Pa.

Please mention the Exchange when writing.

Pansy Plants

Large plants in bloom, $1.25 per 100, $10.00 per 1000; smaller plants that will bloom soon, at $2.00 per 1000.

DAISIES (Bellis), FORGET-ME-NOT, in bloom, $1.50 per 100, $12.50 per 1000.

CINERARIAS, 4-in., bud and bloom, $5.00 per 100.

STOCKS and DUSTY MILLERS, 2½-in. pots, $2.00 per 100, 300 for $5.00.

CABBAGE PLANTS, ready for field, $1.25 per 1000, 5000 for $5.00.

J. C. SCHMIDT
BRISTOL, PA.

Please mention the Exchange when writing.

PANSIES

GIANT EXHIBITION, strong plants in bud and bloom, per 100 $1.00, per 1000 $9.00.
FORGET-ME-NOT, per 100 $1.00, per 1000 $9.00.
DRACAENAS, 5-in., 25c. each.
VINCA Variegata, 4-in. 10c. each.
A full line of Bedding and Vegetable Plants, next month.

J. S. BLOOM, Riegelsville, Pa.

Please mention the Exchange when writing.

PANISES

Fall Transplanted, Finest Mixed, also 5 separate colors, in bud and bloom; $10.00 per 1000, $1.25 per 100; also a few extra strong seedlings left, $2.50 per 1000.

COLEUS

Verschaffeltii, 2-in., $15.00 per 1000, $1.75 per 100; Rooted Cuttings all booked until late this month.

Cash Please.

RUDOLF NAGEL, LANCASTER PA.

Please mention the Exchange when writing.

PANSIES

Fine cold-frame plants, in bud and bloom; $1.25 per 100.
PANSY Snow Queen, pure white, large plants in bud and bloom, $1.25 per 100.
PANSY SEED, finest mixture, $1.00 per pkt. of 4000 seeds, $5.00 per oz.

Cash with order.

E. B. JENNINGS, Lock Box 254 **Southport, Conn.**

Grower of the Finest Pansies

Please mention the Exchange when writing.

Transparent Seed Bags After July 1

Under a post office regulation enforcing the use of transparent paper for seed bags, which has been on the statutes since 1883, but has been completely lost sight of and so unrecognized, but was recently brought to light by the action of an officious postmaster in the West, seedsmen will be compelled, commencing with July 1, to put up all seeds, which are intended to pass through the mails, in transparent bags in order to be entitled to the rate of 1c. for every two ounces or fraction thereof. The regulation referred to reads as follows:

"Seeds—*—*—*—which are liable from their form or nature to loss or damage, unless especially protected, must be put up in sealed envelopes made of material sufficiently transparent to show the contents clearly without opening." Under the circumstances, it will be advisable for seedsmen, before preparing any further stock of envelopes for the mailing of seeds (under the regulations permitting the mailing of such matter at the third-class rate of potsage), to submit samples of the paper stock they intend to use to the Superintendent of Mails in their own city or direct to the Third Assistant Postmaster-General at Washington for decision as to whether said material is sufficiently transparent to be entitled to transmission in the mails under the third-class rate.

The Florists' Exchange has been informed of this agitation since its inception, but has made no mention of this subject to date for the reason that it was deemed unwise to stir up the matter in view of the attempts which were making by our leading seedsmen to prevail upon the authorities at Washington to allow the transmission of seeds to be continued in heavy opaque envelopes as has been the custom of late years.

Inasmuch as it is almost impossible to secure a transparent paper, the stock of which is of sufficient tensile strength to stand the handling to which seed packets are apt to be subjected, it would have been an exercise of common sense on the part of the Post Office Department to allow the continued use of the heavy manila envelopes now in vogue, as its officials should be willing to accept in good faith all packages, however wrapped, bearing on their exposed side a printed card of the firm mailing same. Occasionally, packages could be opened for examination, and if a seed house was found so lacking in the exercise of ordinary business sense of that which is right as to trangress the law, it should be subjected to severe penalties, even to the extent of exclusion from third-class mail privileges on the grounds of "fraudulent practices."

We are informed, however, and can see, that the post office authorities are simply enforcing the law as it stands, and not from a desire to harass seedsmen; thus it will be necessary for concerted action by those most vitally interested to urge and bring about legislation that will abrogate the present really unnecessary clause which was enacted at a time when stamp duties were in effect on proprietary articles.

We are informed that the Department will not hear very heavily on the seedsmen in this matter; it has, for instance, passed on one sample envelope made of No. 1 writing paper as being sufficiently transparent. Said paper, however, is 12c. a lb., and therefore considerably higher in price than even the Swedish Manila now in use. A good transparent paper is the imported Onion Skin; this is very light in weight, very strong in fiber, but exceedingly expensive and hardly suitable for bags in size over 2x3 in. We have also examined samples of Fiber Manila transparent paper, but this, in our opinion is not of sufficient strength to stand hard usage. The most secure package for seed in quantity, pints, quarts, etc., would probably be one made from muslin, with a drawing string fastened by a metal seal, if same could be made up cheaply.

As the matter stands it is going to work a hardship on those seedsmen who have vast quantities of bags on hand, and we shall await with interest the ultimate decisions as to just how transparent the permissible stock must be.

Playing Hocus-pocus with the Maryland Pure Seed Bill

Considerable agitation has been stirred up among the seedsmen of Baltimore through the discovery that a bill regulating sales of seed, which supposedly had been endorsed by the leading seedsmen of the State, was awaiting the Governor's signature to become law, and was found at the last moment not to be what it was purported to be, but the text of a bill decidedly antagonistic to the seedsmen.

Two pure seed bills were introduced in the Legislature, one by Delegate Collier, in the House, and the other by Senator Biddison, in the Senate. The Collier

DAHLIAS

Charles Clayton is my best introduction; for brilliancy, form and stem, this new Cactus leads them all. Other superb Novelties are: Mrs. W. K. Jewett, Manitou, Princess Yetive, Corona, Olive Tracy. These with other fine varieties were awarded a Bronze Medal at the Alaskan-Yukon Exposition, last season. Select list of Standard Dahlias; and Field-Grown Hollyhocks, both Double and Allegheny. Catalogue on application.

W. W. WILMORE, P. O. Box 382, Denver, Col.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

Jack Rose Dahlias

LARGE UNDIVIDED CLUMPS

$15.00 per 100, or $2.00 per dozen.

W. C. WARD
577 Adams St., East Milton, Mass.

Please mention the Exchange when writing.

THE BEST WAY
to collect an account is to place it with the
National Florists' Board of Trade
56 Pine St., NEW YORK

WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

bill, against which there was scarcely any opposition, passed the House, and according to the journals passed the Senate. The Biddison Bill, which was drafted by the Governor's Commission on Agriculture, died in the Senate Finance Committee. When the measure before the Governor was examined, it was found that it was the Biddison bill with Mr. Collier's name on it. How this came about no one knows. It is believed that it is the mistake of the printer.

Under these conditions it is not believed the Governor will sign the Pure Seed Bill.

The Collier Bill had the strong support of the Griffith & Turner Co., J. Bolgiano & Son, W. G. Scarlet & Co. and S. L. Lambert & Co., and these gentlemen will make every effort to see that it, and not the Biddison Bill, will be the one finally signed by the Governor. The above named firms, seed merchants of Baltimore, have worked manfully for the Collier Bill, at much personal sacrifice in the midst of their busy season, and at considerable expenditure of money for legal advice, and deserve high credit for the stand they have made in support of a bill under the provisions of which it will be possible for seedsmen to continue in the business.

Chas. J. Bolgiano authorized the statement that the provisions outlined in the Biddison Bill would completely destroy the seed business as it aims to compel seed merchants to guarantee the growth of seeds under "any and all conditions," a result which experts recognize as absolutely impossible.

New York Seed Trade

Another week, acknowledged by all our seedsmen to have been as busy as anything ever experienced in this city is just closing. It is useless to specify particular lines, as the limit would seem to be almost reached as far as capacity for putting out seeds is concerned. Had it not been for the cooler weather it would have been even worse than it was. It is certainly a wonderful season.

The Stumpp & Walter Co. is meeting with large sales for its Early New Market White Oats. As in past years, this house is devoting special attention to farm seeds.

Burnett Bros. received by the S. S. Noordham, of the Holland-American Line, 42 cases of evergreens and conifers, which were immediately shipped out on orders. Messrs. Burnett have added to their capacity another floor of the same building, which will be devoted to Grass seeds. The firm have largely increased their trade in this line this season.

Peter Henderson & Co. have arranged the show windows of their newly remodeled store in most attractive shape. Lawn Grass is the principal feature this week, the windows being arranged so that a growing lawn is shown, which is most attractive.

The death of J. R. Strang who, for more than ten years, has had charge of the books of Wm. Elliott & Sons, is regretted by the entire trade, as the deceased was much esteemed by all.

A. Hansen of Copenhagen, Denmark, arrived by the S. S. St. Louis, for a six weeks' trip among his customers. Mr. Hansen confirms previous reports of the closely sold-out condition of both Cauliflower and Cabbage seeds in his country this season.

At Boddington's, a very busy week was the last one. Both Mr. Boddington and Mr. Bunyard feel that the end of the season will show a volume of trade very much in excess of a year ago. This house has reduced its enormous stock of Cannas so materially that those contemplating purchasing their stocks there should do so without delay. In this line, orders are being booked for 1911.

C. McTaggart was a visitor at the monthly exhibition of the New Jersey Floricultural Society at Orange, N. J., last Friday and reports a most excellent display. Mr. McTaggart is adding to his offering a very complete line of vegetable plants, finding a particularly large demand for them.

Geo. W. Glassey, who for many years has been in the vegetable seed department of J. M. Thorburn & Co., has connected himself with the Stumpp & Walter Co.

"Buds" is the title of a new corporation recently formed and just opening quarters for the sale of seeds, bulbs and plants. Carl R. Gloeckner is president and Wm. H. Siebrecht, Jr., secretary. The new store is at 76 Barclay st., a most desirable location for the business contemplated. Mr. Gloeckner has been with J. M. Thorburn & Co. for some seventeen years and is a thoroughly experienced seedsman. Mr. Siebrecht is a son of Wm. H. Siebrecht, Sr., the well-known specialist in Lily of the Valley and other bulbous stock, of Astoria, L. I. Mr. Gloeckner is manager of the new corporation and extends to all old friends a cordial invitation to visit the new store.

These are busy days at Vaughan's Seed Store; the past week they have been giving particular attention to special sales of nursery stock and plants.

J. M. Thorburn & Co. have been very busy, particularly so in the flower seed department. Their new Eschscholtzia Thorburnii is selling well, both at wholesale and retail.

Philadelphia Seed Trade

A slight fall in temperature brings somewhat more seasonable April weather. This has checked, slightly, the demand for seeds, bulbs and plants, and brought the seed trade into more nearly a normal condition. Nevertheless, all seed stores are as yet more or less behindhand in filling orders, and crowded stores are the order of the day; great activity on the part of all employees is very noticeable.

A striking instance of how far separated parts of the world are, in these days, brought into commercial touch with each other, is that American seedsmen in Philadelphia are buying Asparagus plumosus seeds from a French establishment, with an English manager, in the far away little Comore Islands, between Madagascar and Africa.

So many Onion sets, especially the red and yellow varieties, have been thrown upon the market by Western growers that, notwithstanding the fact that the quality is inferior to Eastern-grown sets, prices are greatly depressed, much to the detriment of local growers of the famous Philadelphia quality sets.

Henry F. Michell Co. is still making a feature in the plant line of large Pansy plants, with blooms of immense size, good substance, and great range of color. This enterprising company is offering the first potted Tomato plants noted anywhere this season.

At Henry A. Dreer's, the energetic manager, Mr. Thilow, is seen attending to a group of buyers and at the same time firing back answers to the questions coming to him from employees constantly, correcting this and directing that at the same time. Indeed, there is need of it, for not only the seed and bulb season is here, but the sale of hardy herbaceous plants in which this company is a specialist has begun.

The Moore Seed Co. is selling a small lawn mower, of improved form, suitable for mowing close to trees and shrubs without injuring them, and also for mowing narrow grass edgings.

The Stokes' Seed Store is very busy with both mail and counter trade, and is making a very full display of every seasonable kind of root and bulb.

The Johnson Seed Co. is making heavy sales of Peony roots and Cycas stems, and is showing this week some sturdy own root hardy Roses in 6-in. pots.

Some seedsmen are anxious lest too early plantings, caused by unprecedently warm weather, will, if a cold spell follows, entail a small per cent germination of seeds, and unjustly redound to their discredit.

TEN POINTS OF EXCELLENCE OF THE

NEW SEEDLING BEGONIA

"Glory of Cincinnati"

1.—It lasts longer in the dwelling than any other Begonia.
2.—It is a most beautiful shade of soft satiny-pink.
3.—The individual flowers are much larger than those of Gloire de Lorraine.
4.—Easily propagated.
5.—Easy of cultivation.
6.—Strong, robust grower.
7.—It can be grown in a 4-inch pot to look like a plant.
8.—It flowers from October to April.
9.—Not surpassed by any other Begonia.
10.—The best plant for the Christmas Trade.

$1.00 each, $9.00 per dozen, $50.00 per 100. July delivery. You cannot invest your money to better advantage.

J. A. PETERSON, McHenry Avenue, Westwood **Cincinnati, Ohio**

Please mention the Exchange when writing.

Bargains In Pot-Grown Plants

Ready for market at once.

ABUTILONS, 3½-in., 6 varieties, in bloom, $5.00 per 100.
AGERATUM, Blue or White, 2½-in. pots, strong plants, $2.00 per 100; Rooted Cuttings, 75c. per 100.
ALYSSUM Large Giant or Little Gem, 2½-in., $2.00 per 100.
BEGONIA Vernon, in bloom, 3-in., $6.00 per 100.
BEGONIAS, Flowering, 8 fine varieties, 4-in., in bloom, $10.00 per 100.
CANNAS, Large-flowering, any color, 20,000 from 4-in. pots, fine stock, $5.00 per 100.
COLEUS, Golden Bedder, Verschaffeltii, or decorative varieties, from 2½-in. pots, $2.50 per 100.
FUCHSIAS, Storm King, Little Beauty, or 8 varieties mixed, in bloom, 4-in., $8.00 per 100.
FUNKIAS, variegated (Day Lily), $5.00 per 100.
GERANIUMS, 30,000 from 4-in. pots, fine plants, in bloom, of 10 Standard Varieties, $7.00 per 100.
HELIOTROPES, 4-inch, 3 kinds, fine plants, $8.00 per 100.
MARGUERITES, 4-in., in bloom, $5.00 per 100.
PANSIES, Fine Varieties Mixed, transplanted plants, $1.25 per 100.
HARDY PHLOX, of 5 leading varieties, field-grown clumps, $4.00 per 100.
PRIMULA OBCONICA, fine plants, full of bloom, mixed colors, 4-in., $5.00 per 100.
SALVIAS, Bonfire, strong plants, from 2½-in. pots, $2.60 per 100; 3-in., $3.00 per 100.
SMILAX, large plants from 2½-in. pots, $2.00 per 100.
VERBENAS, Fine Mixed Colors, in bud and bloom, 2½-in. pots, $2.00 per 100.
DUSTY MILLER, fine 4-in. plants, $5.00 per 100.

CABBAGE and **TOMATO PLANTS,** $2.00 per 1000, any varieties.
TOMATO PLANTS, extra large transplanted, $5.00 per 1000.
LETTUCE PLANTS, 5 kinds, $1.25 per 1000.
BEET PLANTS, $1.25 per 1000.
PEPPER PLANTS, 6 kinds, $7.50 per 1000.

Also all other kinds of Vegetable Plants by the thousand. **Write me for special prices. A 1 Plants only. Liberal count given to help pay the express. Try them.**

ALONZO J. BRYAN
Wholesale Florist, Washington, New Jersey
Please mention the Exchange when writing.

40,000 Vinca Variegata

R. C. 90c. per 100. $8.00 per 1000.

PETUNIA DOUBLE 10 kinds; 2-in., 2c.

ASTERS, Market White, $2.00 per 1000.
PANSIES, Giant, $2.00 per 1000.
SWEET WILLIAMS, $3.00 per 1000.
DUSTY MILLER, nice seedlings, 75c. per 100.
SWAINSONA alba, 2-in., 2c.
LANTANA, 2-in., 2c.
SNAPDRAGON, White and Scarlet, 2-in., $2.00 per 100.
ABUTILONS, 3 kinds, 2-in., 2½c.
GERANIUMS, Grant, etc., 2-in., $2.00 per 100.
FEVERFEW, Double White, small plants, 75c. per 100, $6.00 per 1000.

Rooted Cuttings, prepaid per 100. **Heliotrope,** $1.00; **Fuchsias,** 8 kinds, $1.00; **Paris Daisy,** yellow, white, $1.00; **Cuphea,** 75c. **Vinca Variegata,** 90c.; **Coleus,** 10 kinds, 60c.; **Alternantbera,** Rosea, P. Major, Aurea nana, Fall struck cuttings, 60c. per 100, $4.50 per 1000; **Ageratum,** 3 kinds, 60c.; **Swainsona alba,** $1.00; **Dbl. Petunias,** 10 kinds, $1.00.

Salvia, 90c. Cash with order.

BYER BROS., Chambersburg, Pa.
Please mention the Exchange when writing.

Vinca Variegata

Strong 3½ and 4-in., field-grown, $5.00 and $6.00 per hundred.

Also 5-in. **DRACAENA Indivisa,** large enough for 8-in. pots, $20.00 per 100.

Five thousand **COBAEA Scandens,** 4-in. pots, $6.00 per 100, $50.00 per 1000.

Cash With Order

J. J. ARNOLD, Homer, N. Y.
Please mention the Exchange when writing.

Double and Single PETUNIAS

Fine plants.

DREER'S STRAIN, 3-in., $3.00 per 100.

	Per 100
DRACAENA Indivisa, 6 and 7-in.	$20.00
LANTANAS, Trailing	1.25
LANTANAS, Trailing, 2 in.	2.00

MOON VINES, Smith's Hybrid, the largest, whitest and sweetest, 2¼-in. pots, per 100, $3.00.

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.
Please mention the Exchange when writing.

PAPAVER ORIENTALE

Extra strong plants, in 4-in. pots, $6.00 per 100, $50.00 per 1000; 2-in. pots, $4.60 per 100; also, **CAMPANULA Persicifolia** and **alba,** 3-in. pots, **OENOTHERA Fruticosa Major, VERONICA Amethystina** and **Spicata,** field-grown, $5.00 per 100, $40.00 per 1000.

Write for samples. Cash with order, please.

Geo. F. Kimbel
Flourtown, Pa.
Please mention the Exchange when writing.

Moon Vines

IPOMOEA Noctiflora

Best pure white Moonvine in market, very fragrant and as big as a saucer. On this variety we have a world-wide reputation as growers and shippers for the last twenty years. Price, 2½-inch pots, $5.00 per 100. 10,000 are now ready.

To save express charges please state if wanted in or out of pots. Cash with order, please.

GODFREY ASCHMANN
Wholesale Grower and Importer of **Pot Plants**
1012 W. Ontario Street, PHILADELPHIA, PA.
Please mention the Exchange when writing.

A Few Good Things You Want

DRACAENA Indivisa, 3-in., $5.00 per 100; 4-in., $10.00 per 100.
BEGONIA Rex, 2-in., $5.00 per 100.
ASPARAGUS plumosus, 2-in. $2.00 per 100; 3-in., $5.00 per 100. Cut sprays, 25c. per bunch.
ASPARAGUS Sprengeri, 2-in., $5.00 per 100.
GERANIUMS, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine,** R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $6.00 per 100. **Mme. Salleroi,** 2-in., $3.00 per 100.
FERNS, Whitmani, 4-in., 25c. each. **Boston,** 4-in., 15c. each; 5-in., 25c. each.
COLEUS, ALTERNANTHERAS, red and yellow, **VERBENAS, HELIOTROPE, CIGAR PLANT, SALVIA** (Scarlet Sage), **Zurich** (always in bloom), **VINCA Variegata,** 2-in., stock of these, $2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J
Please mention the Exchange when writing.

New Bedford, Mass.

Business the past week both in cut flowers and funeral work has been good. Carnations are a little off crop around here, though on the whole flowers appear to be quite plentiful, and retail at 50c. per doz. Roses retail at $1.50 and $2 per doz. Violets are on their last legs; the weather is quite warm and as a result they are getting poorer; 75c. and $1 per 100 blooms are the general prices. Sweet Peas of good quality sell at $1 per 100; Callas at $2 per doz.; Easter Lilies at $2 to $2.50 per doz. Snapdragon of the lighter shades sell fairly well, retailing at $1 per doz. Paperwhites are beginning to come poor, and sell for 50c. per doz. Tulips are very good as yet, 50c. per doz. for single varieties and 75c. for doubles are the prices. Daffodils, double, sell at 50c. per doz.; and singles at 35c. Taken altogether this has been a very good season for bulbs.

R. H. Woodhouse reports that he did not have half enough Lilies to go around at Easter. He could have sold more of them. His Geraniums and bedding stock are looking slick.

E. H. Chamberlain has been on the jump the past week. Funeral work has been good with him. Last Sunday he had some big orders for Roses.

Wm. S. Brown, Peter Murray, S. J. Donaghy and others are busy with Spring garden work.

It looks as if most of the growers will get their Ten Weeks Stocks in on time, also Candytuft.

S. S. Peckham will have about 10,000 Geraniums for this Spring's trade. He is growing about 7000 Carnation plants, from which he is cutting some nice flowers.

The uptown stores are making a big showing with Pansy and Daisy roots; 35c. per doz. is the general price, some few selling at 25c.

One of our department stores is selling Rose bushes at 10c. each; also Azalea mollis, Rhododendrons and other shrubs at awfully low prices, in some cases cheaper than the florists can buy them.

B. Sylvia, at the Dartmouth St. Nurseries, has about all he can do just now, planting shrubs and bushes. He reports a good call for nursery stock.

A. B. Hathaway is still cutting some grand Daffodils. He likes the variety Emperor about the best of all. Princeps is very good with him.

E. Y. Peirce reports business as fine. His Carnations are a little off crop just now. The weather is very warm and there will be a fairly good crop of flowers for Memorial Day, from the present outlook.

HORTICO.

Kalamazoo, Mich.

As usual, immediately after Easter we experienced dull times for a few days, but now with social events and funeral work business has become brisk again. The weather is indeed most remarkable for the season and the landscape gardeners are kept busy remodeling and improving the gardens of our citizens. Daffodils were in bloom outside at Easter. Hyacinths following closely after, and now the fruit orchards are in full bloom, all of which goes to show an abnormally early Spring. Outdoor flowers are likely to be quite scarce at Decoration Day, as those usually in bloom will be long past, but, doubtless, Peonies will be in their prime. I notice the 5 cent stores are displaying seed packages and bulbs in large quantities this year, and seem to be having good sales.

G. Van Bochove & Bro. are already busy at work on their new addition; 3 houses, each 30x300 ft. will go up this time, making a block of 10 houses, practically under one roof. Two more boilers, 150 h. p. each, are being placed in position; and an electric motor is being installed to run machines for sawing lumber and doing steamfitting work, etc. About everything found useful in running or repairing a greenhouse plant is to be found in their workshop, even to a blacksmith's forge, which indicates that the firm are making a most efficient and economical administration.

James Fraser did a nice trade at Easter and has on hand a splendid assortment of bedding plants for the Spring trade. His reputation in these lines is excelled by none hereabouts, and he does a large amount of the best priced work in the city.

Fred Marker is another suburban grower whose business in Spring flowers and bedding stock steadily increases. A satisfied customer is a good advertiser says Fred.

S. B.

DECORATION DAY ROSES

Pot To-day and Don't Delay

Karl Druschki

Hardy Hybrid Roses

We offer extra-strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name:

Price, 75c. for 5 (of one variety), $12.00 per 100, $110.00 per 1,000 (immediate delivery)

Abel Carriere. Crimson.
Alfred Colomb. Carmine-crimson.
Anne de Diesbach. Bright carmine.
Ball of Snow (Boule de Neige). Pure white.
Baron de Bonstetten. Blackish crimson.
Baroness Rothschild. Satiny pink.
Capt. Christy. Flesh color.
Clio. Satin blush.
Duke of Connaught. Rosy crimson.
Duke of Edinburgh. Bright vermilion.
Eugene Verdier. Crimson-violet.
Fisher Holmes. Dark crimson.
Frau Karl Druschki. The finest white.
Gloire de Margottin. Dazzling red.
Gen. Jacqueminot. Brilliant crimson.
John Hopper. Bright rose.
La France. Pink.
Mme. Charles Wood. Bright carmine.
Margaret Dickson. White, with pale flesh.
Marshall P. Wilder. Cherry-rose.
Magna Charta. Dark pink.
Mme. Gabriel Luizet. Satiny pink.
Mrs. John Laing. Satiny pink.
Paul Neyron. Dark pink.
Perle des Blanches. White.
Persian Yellow. Yellow.
Prince Camille de Rohan. Dark crimson.
Ulrich Brunner. Cherry-red.

For prices see above

Baby Rambler Roses

BABY DOROTHY. The same in habit as Baby Rambler, but the color of the flowers is similar to Dorothy Perkins. It makes an excellent pot plant for forcing. Price for strong, field-grown plants, 85c. for 5, $16.00 per 100.

CATHERINE SEIMETH. A White Baby Rambler Rose, larger and better flowers than the type. White with yellowish centre. 85c. for 5, $15.00 per 100.

MRS. WM. H. CUTBUSH. Color intense crimson and exceptionally free-flowering. 85c. for 5, $15.00 per 100.

MME. NORBERT LEVAVASSEUR (Baby Rambler). Strong, field-grown plants. 85c. for 5, $15.00 per 100.

THE TREE BABY RAMBLER. (Grown as a Standard.) The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. 40c. each, $3.75 for 10, $35.00 per 100.

BABY DOROTHY. (Grown as a Standard.) For description, see above. 75c. each, $6.25 for 10, $60.00 per 100.

Something New in Roses for Florists

Half Standard Baby Ramblers

These are Baby Ramblers, grown on stems or standards about one and half feet high, and will be a novelty for your trade you cannot profitably overlook. They are offered for the first time in this country in the following varieties:

BABY DOROTHY (Half standard). Deep pink. 60c. each, $6.00 per doz., $45.00 per 100.

BABY RAMBLER (Half standard). Crimson. 45c. each, $4.50 per doz., $35.00 per 100.

BABY CATHERINE SEIMETH (Half standard). White. 45c. each, $4.50 per doz., $35.00 per 100.

BABY "STARS and STRIPES" (Half standard). White and red grafted on the same plant; most attractive. 50c each, $5.00 per doz., $40.00 per 100.

Ramblers and Other Climbing Roses

PAUL'S CARMINE PILLAR. Flowers large and free; color rosy carmine. Two-year-old, field grown. 85c. for 5, $15.00 per 100.

CRIMSON RAMBLER. American Grown. The only stock for forcing. Large heavy plants, two years old, mossed and packed in bundles of 10, 3 to 4 feet, $1.25 for 10, $12.00 per 100; 4 to 5 feet, $1.75 for 10, $15.00 per 100; 5 to 6 feet, extra heavy, $2.25 for 10, $20.00 per 100.

DOROTHY PERKINS. Lovely shell-pink color. $1.25 for 10, $12.00 per 100.

TAUSENDSCHON. The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. $2.25 for 10, $20.00 per 100.

Flower of Fairfield — The Everblooming Crimson Rambler

This variety is a sport from the beautiful Crimson Rambler, is similar in color, more brilliant and lasting than the old favorite. It also possesses the further advantage over the Crimson Rambler in the fact that it flowers profusely on the young wood the first year. Flower of Fairfield is a vigorous grower and free bloomer. It starts to bloom early in the Spring and continues until late in the Autumn. It is rightly termed "perpetual blooming." 40c. each, $3.50 for 10, $30.00 per 100.

Veilchenblau (Violet-Blue)

It has long been the desire of rosarians to secure a blue Rose. In Veilchenblau we have practically approached this color. The steel-blue flowers of this new Rose appear in large clusters, are semi-double, of medium size and keep in bloom a long time. The showy yellow stamens contrasting with the blue flower, give the whole a striking appearance. 60c. each, $5.75 for 10, $55.00 per 100.

ARTHUR T. BODDINGTON

Seedsman 342 West 14th St., NEW YORK CITY, N. Y.

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials;

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.
BEDFORD, MASS.

Please mention the Exchange when writing.

P. OUWERKERK

216 Jane Street
WEEHAWKEN HEIGHTS, N. J.
P. O. No. 1, Hoboken, N. J.

Just Received From Our Holland Nurseries
Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

PRICES MODERATE

Please mention the Exchange when writing.

BARGAIN

Hydrangea Alba Grandiflora

The new forcing and garden Hydrangea

500 extra heavy, 24-36 inch, $12.00 per 100.
1000 very strong, 18-24 inch, $8.00 per 100.
1000 nice stock, 12-18 inch, $5.00 per 100.

Samples sent at single rate prices, plus 5c. each.

The Elm City Nursery Co.,
New Haven, Conn.

Please mention the Exchange when writing.

Surplus Stock of Specimens

ELMS, American and European Stock. 4-in to 6-in. diameter, 18 to 25 feet in height.
TSUGA Canadensis, 5 to 9 feet.
PICEA Excelsa, 5 to 10 feet.
PICEA Pungens Glauca, good blue color, 5 to 8 feet.
THUYA Occidentalis, 6 to 10 feet.
All above stock well grown and transplanted.
The soil lifts in a ball.

Extra large plants of general variety of Shrubs, too numerous to list here.

JAMES J. McMANMON, Nurseryman
6 PRESCOTT ST. LOWELL, MASS.

Please mention the Exchange when writing.

INDOOR GRAPE VINES

Strong, one year old planting canes, just right for present planting.

In the following varieties:

MUSCAT OF ALEXANDRIA
BLACK HAMBURGH
BUCKLAND SWEET WATER
DIAMOND JUBILEE
MILTON CONSTABLE
GROS COLMAN

Price, $2.50 each (Two dollars and fifty cents)

SCOTT BROS. Elmsford Nurseries ELMSFORD, N. Y.

Please mention the Exchange when writing.

EBBINGE & VAN GROOS

Formerly THE HORTICULTURAL CO.
BOSKOOP, HOLLAND

Hardy Nursery Stock such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.
Ask for catalogue.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

ATTENTION!

500 NORWAY MAPLES, 1½-2 in. caliper, 10-14 ft. high, $80.00 per 100.
500 NORWAY MAPLES, ¾-1 in. caliper, 8-10 ft. high, $30.00 per 100.
100 MAGNOLIA, in variety, 3-4 ft. high, $60.00 per 100.
100 TAXUS HIBERNICA (fastigiata), 2½-3 ft. high, $60.00 per 100.

The Evergreen Nurseries
K. M. van Gelderen,
Long Branch, N. J.

Please mention the Exchange when writing.

BERBERIS THUNBERGII

Bushy Plants, 18 to 24 inches at $9.00 per 100; 12 to 18 inches, at $6.00 per 100.

Seedlings, 3 to 5 inches, $8.00 per 1000, with 6-in. roots; 2 to 3 inches, $5.00 per 1000, with 6-in. roots.

NORWAY MAPLES

8 to 10 ft. .....$20.00 per 100
7 to 8 ft. (1 inch diameter).. 16.00 per 100

CAROLINA POPLARS

2 years, clean and smooth, nicely branched.
10 to 12 ft. .....$15.00 per 100
8 to 10 ft. ..... 10.00 per 100
7 to 8 ft. ..... 8.00 per 100

LOMBARDY POPLARS

Low branched.
7 to 9 ft. .....$10.00 per 100
6 to 7 ft. ..... 8.00 per 100

NORWAY SPRUCE

Several times transplanted.
3 to 4 ft. .....$30.00 per 100
2 to 3 ft. ..... 8.00 per 100

ARBOR VITAE

Transplanted.
2 to 4 ft.....$40.00 per 100
2 to 3 ft. ..... 8.00 per 100

CALIFORNIA PRIVET

2 yr. cut back, extra heavy.
100 1000
3 to 4 ft. $4.00 $35.00

This is the best stock GOOD GROWING can produce.

C. R. BURR & CO.
The Burr Nurseries
MANCHESTER, CONN.

Please mention the Exchange when writing.

10 Seedling Peony Roots

for **TEN CENTS;**

more if desired at one cent each, sent by mail. Now is the time to order.

GEORGE HOLLIS, Peony Specialist
128 Hollis Street, SOUTH WEYMOUTH, MASS.

Please mention the Exchange when writing.

Strawberries and other Small Fruit Plants

Wm. Belt, Sharpless, Brandywine, Bubach, Tennessee, Haverland; President, Nick Ohmer, Cardinal, Corsican, New Home, Parson's Beauty, Dunlap, Sample, Saunders, Aroma, Success, and Mount's Early; 75c. per 100, $3.00 per 1000. Steven's Late Champion, $2.50 per 1000, 5000 for $10.00. Not more than 3 varieties in 1000 at the 1000 rates.
BLACKBERRY, Ward, $1.50 per 100, $12.00 per 1000.
RASPBERRY, Melch and Cuthbert (Red), $1.50 per 100; Kansas, $1.00 per 100, $7.00 per 1000; Cumberland (Black Raspberry), $1.50 per 100, $10.00 per 1000.

Send for price list.

Address

CHARLES BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

Norway Spruce

A well-rooted, shapely lot of trees, 2 or more times transplanted.
500—12 to 18 in.....at $6.00 per 100
500—18 to 24 in.....at 8.00 per 100
500— 2 to 3 ft.....at 12.00 per 100
500— 3 to 4 ft.....at 20.00 per 100

MAURICE J. BRINTON, Christiana, Pa.

Please mention the Exchange when writing.

Hardy American Grown Roses

Standard—Tree Box—Pyramidal

General List of Nursery Stock
Write for Trade List

W. & T. SMITH COMPANY
64 YEARS GENEVA, N. Y. 600 ACRES

Please mention the Exchange when writing.

Evergreens Shade Trees Shrubs Privet

100 Acres of Nursery. Ask for quotations upon your own list of wants.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Please mention the Exchange when writing.

Funkia Undulata Fol. Var.

EXTRA FINE LARGE PLANTS
$4.00 per 100; $35.00 per 1000.
F. W. O. SCHMITZ. Prince Bay, N. Y.

Please mention the Exchange when writing.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES
WILLIAM WARNER HARPER, Proprietor
Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

New Rose American Pillar

NO Climbing Rose is attracting the attention that "American Pillar" does, and most deservedly so. It is by far the best single-flowered climbing rose for outside purposes; and on account of the great durability of its flowers, it is the best single-flowered forcing rose.

July 12, 1909.

Gentlemen:
Let me tell you, too, that the American Pillar is a better Rose than you know, perhaps. The plant I had from you, which was planted this Spring under unfavorable conditions, is now giving us a succession of most exquisite bloom.
Yours truly,
J. HORACE McFARLAND,
Pres. of American Civic Association, Harrisburg, Penna.

COMMENT FROM THE LONDON GARDEN

"A most notable feature in this glorious display (Temple Flower Show in London) was the New 'American Pillar' Rose. The large and attractive rich rose pink blooms are produced in immense clusters, the white centers of the blooms adding to their attractiveness. —Florists' Exchange.

2½-inch pot plants, $1.50 per dozen, $8.00 per 100, $75.00 per 1000.

4-inch pot plants, $3.50 per dozen, $25.00 per 100.

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AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-president; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer.

DAYTON, WASH.—F. M. Hoskins, owner of a 2500 acre valley ranch near this town, is establishing a large nursery.

MILWAUKEE, WIS.—A. F. Page and Walter Koch of this city have left for the Bitter Root Valley, Mont., where they will establish an orchard and nursery business.

NEW YORK.—Vice-president McHenry of the N. Y. & N. H. Railroad has stated that his road has authorized an expenditure of $5000 for the purchase of shrubbery, plants, trees, etc., to be distributed at various points.

CLEVELAND, O.—According to the Municipal Journal, City Forester Frink has submitted a report to Director of Public Service A. B. Lea, stating that the tree nursery set out at Warrensville under the last administration is a failure. But few of the trees, he says, are fit to be removed and set out in the streets of Cleveland, and most of them will be taken out and burned if his advice is heeded. Frink says the reason for the failure was that the soil was not put in a high state of cultivation. He says further that the ground is wet and untilled, and for this reason the trees will not flourish. Of the 1008 soft Maples on the ground only 200 can be used, he says. His report further states that out of 354 Scotch Elms but 50 can be used, and out of 431 Ash-leaved Maples but 75. There are 950 European Sycamores set out at the Warrensville Nursery, and of these but 90 can be used. The rest of the trees are failures and can only be removed and burned. Of the 230 Horse-chestnuts set out but 30 can be transplanted for city use. Frink favors a city nursery, but believes that a new location should be selected at the Warrensville farm if the present site is not drained and the proper soil put in. He says the city would save $500,000 by raising its own trees and park shrubbery. Within the past three years the city has set out 20,344 trees, costing $14,930.10. This number did not meet the city's needs. The city could use 75,000 to 125,000 trees, he asserted.

An article of unusual interest to the trade will be found in the April number of the National Nurseryman. It was written by Prof. John Craig, we believe, and is headed: "How Nursery Stock is Received in Port of New York: A summing up of the conditions and factors entering into the problem of inspecting nursery stock at the port of entry." The subject is fully illustrated with pictures which serve to show how utterly impracticable is the idea of dock inspection. In summing up the author concludes:

"It would seem a fair proposition to say that dock inspection is out of the question for the following reasons: 1. Lack of space; 2. unfavorable storing conditions; 3 method of packing the goods; 4 amount of time required to make the examination under existing conditions; 5 injury and destruction of nursery stock under the most favorable method conceivable of conducting such an examination."

Fortunately, the amended bill of Congressman Jas. S. Simmons, a résumé of which we publish this week, gives promise that inspection at "port of entry" is a bugaboo no longer to be feared.

Federal Bill Covering Nursery Stock Inspection

Under the title of H. R. 23252, introduced in the House of Representatives March 21, 1910, Congressman James S. Simmons of New York has considerably amended the text of the provisions contained in the prior bill introduced by him under the title of H. R. 15056 covering the same subject. Under the provisions of the new bill the strongest objections to its predecessor have been removed; whereas, in the old bill it was provided that the inspection of imported foreign nursery stock should be made at ports of entry by official experts of the Department of Agriculture, H. R. 23252 provides for inspection at final destination, on the premises of the owner or consignee, with the exception that unless said imports are accompanied by a certificate of inspection given by an official expert of the country from which the importation has been made, then such imports are to be held in quarantine, either at final destination on the premises of the owner or consignee or at port of entry or other designated place, at the option of the Secretary of Agriculture, and shall not be released by the official expert. It is also provided that examinations shall be begun and, if possible, completed within ten days of arrival of goods. Other provisos in the original bill have also been modified.

H. R. 23252, the new bill, is in the hands of the Committee on Agriculture and, if passed at this session, will probably go into early effect.

The present bill corresponds very closely to that endorsed by the American Association of Nurserymen as a substitute to various bills now before Congress.

Erythrina Crista-Galli Where hardy, so that it can grow to a good size, the Erythrina is called Coral Tree, but in the North, where it has to be treated as a greenhouse plant, it is known as the Coral Plant, and it is there dug up every Fall and housed in the greenhouse, to be planted out again in Spring. When so treated it flowers well, the blossoms being of a rich crimson, and pea-shaped in outline, belonging to the leguminous order of plants, as it does, and its flowering continues throughout the Summer. All it needs when housed for the Winter is to be heeled in in a rather dry place under a greenhouse stage, to be set out again when the soil warms up in Spring. If the writer is not mistaken, Prof. Massey once wrote that he had wintered this Coral Tree safely by mounding up around it with ashes, enough to keep frost from it, the ashes covering a few inches of its woody growth as well, keeping the roots and a few inches of wood safe from freezing, as is done with tender Roses and plants by many persons. Figs can be wintered outdoors in the same way.

Forsythia viridissima. The Golden Bell Shrub.

Plant the English Beech It is not so many years ago that a break—and in many ways a good one—was made in the planting of so many European trees and shrubs in preference to those of our own country, and this change has left its mark in finding the old world trees on our lawns confined principally to large specimens. Among them is one of much beauty in its old age, the European Beech, Fagus sylvatica. Indeed, it is a pleasing object to look on, in its young stages of growth as well as in its older ones, and there is good reason for making an exception in the case of this tree and still planting it, as our landscape gardeners are. It is nearly always of a bushy growth from the ground up, though a true tree in height, so that when fifty or more feet high it is still in shrub shape. The deep green of its foliage is pleasing as well as its general bushy habit. When Autumn comes it does not cast its leaves, though they die, but holds them fast until Spring. There is a rusty brown color to them then which is a real attraction; and because of the retention of the leaves it is a good tree to set where a screen or some shelter is required, for these requirements it can fill. Standing alone on a lawn, perhaps mingled with evergreens, it is well placed and always pleasing.

The whitish bark of the American Beech makes the tree useful in many places, but it has not the several beautiful characters of the European, neither does it keep its leaves through the Winter. When growing wild in woods the native Beech is often met with as a thicket, sprouting from its roots, but in cultivation this character does not seem so pronounced.

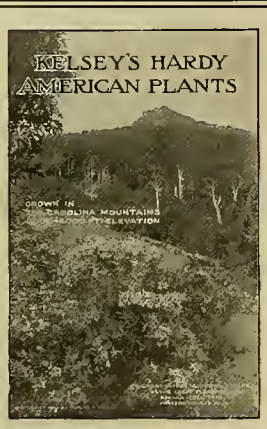
Both of these Beeches—all Beeches in fact—require heavy pruning when transplanted, to make them take kindly to the removal.

Catalpa speciosa The claim made for the great value of the Catalpa speciosa as a timber tree is so well verified, and the claims added to as the years pass, that nurserymen find a great call for the seedlings from foresters, farmers and others interested in the growing of timber trees. There is still the evil going on of parties growing the inferior kind, C. bignonioides, for the speciosa. Though the wood of this may be as lasting as that of the other, its spreading habit of growth is against its value as a forest tree as, even when planted close together, it is impossible to get a tall, straight trunk to it, added to which it is not as hardy as speciosa in the colder States. On the other hand, the speciosa grows tall and straight, without any forcing up, by planting it close to other trees; and as there is no trouble in getting the true seed, why get the inferior kind? It is worth while to be sure that the stock is genuine, to save trouble. Seeds are to be sown in Spring, and in favorable seasons a growth of 12 to 18 inches is sometimes made the first year. So much spurious stock is in the market that a guarantee should be given that the seeds or plants are true speciosa. Some parties may be growing the wrong kind, while firmly believing it to be speciosa.

The Golden Bells The Golden Bell shrubs, Forsythias, when in full display of flowers are one of the charms of Spring. There is no other shrub approaching them in beauty or in habit of growth. The writer well remembers the first good specimen in flower he saw, now over 40 years ago, and how its beauty appealed to him. He enquired its name from his companion at the time, and got it too, both the botanical and common, Forsythia viridissima, Golden Bell. And a bush of it is as attractive to him now as it was then, though he has seen them annually for nearly half a century. Of the two usually seen, the F. viridissima and F. suspensa, the former is of upright growth, the latter of a drooping habit. Though many prefer the upright grower—and it sells well—the drooping one is beautiful when in bloom, and, besides, its flowers are of a deeper yellow. Its drooping habit can be taken advantage of to form a "weeping" shrub, as this form is called. A strong shoot is tied to a stake in Spring, cut off at a height of say 5 ft. It becomes self-sustaining in a short time, forming a drooping head as well, the whole a pretty object. As a bush, it ascends little by little, the shoots making some upward growth before drooping, so that in time it becomes a perfect bower. Specimens of this kind 15 ft. high are not uncommon. All the Forsythias come under the head of shrubs requiring pruning after flowering in Spring, all blossoms coming from young shoots of the previous season.

Plant Scotch Broom When planted on a hill side or in any place where, drainage being good, it will ripen well its wood, the Scotch Broom, Genista scoparia, thrives much farther north than it is given credit for. Usually Maryland or Delaware is looked on as about its northern limit, but it has been growing and thriving well in the southern part of Philadelphia for a long time, and years ago it proved itself able to withstand the winters of Germantown, the northern part of Philadelphia, as it is still doing. Some plants set out last Spring on a hill sloping to the east have wintered well, and being of good size and well supplied with young shoots a good crop of flowers is looked for soon after Spring opens. The foliage of the Scotch Broom being sparse makes the yellow flowers more conspicuous than would otherwise be the case, and as these flowers are of good size and usually abundant along the shoots the display is very attractive.

Do not plant the Scotch Broom in low ground, unless it be in places where no severe frosts occur, for with unripened shoots hard freezings are sure to injure it. When it seeds freely, as it always does following its flowering, if the soil about it be undisturbed a colony of young plants will soon be established.



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- 200 SWEET WILLIAM—Single, red and white.
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Without doubt the most valuable of all the new Climbing Roses of comparatively recent introduction. The beauty of the double pink flowers is admirably set off by the rich green foliage, which is free from the attacks of insects.

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500,000 2-yr. plants, with 12 to 20 branches; have been transplanted once and cut back 2 yrs.; $4.00 per 100, $37.50 per 1000, packed. Will make a good close hedge at once. 600,000 2-yr. plants, 2½ to 3 ft. with 10 to 12 branches, cut back 1 yr.; $3.00 per 100, $27.50 per 1000, packed. 1-yr. plants 12 to 18 in., well branched, $2.00 per 100, $17.50 per 1000, packed. 600 at 1000 rates. Cash with order.

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White Killarney, My Maryland, Kaiserin, Bride, Bridesmaid, 2½-inch pots, $15.00 per 100, $120.00 per 1000.

OWN ROOT STOCK, NOW READY

White Killarney, 2½-inch pots, $8.00 per 100, $75.00 per 1000.

Bride, Bridesmaid, Kaiserin, Carnot, W. R. Smith and President Taft, 2½-inch pots, $5.00 per 100, $40.00 per 1000.

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"FLOWER OF FAIRFIELD"

THE "EVERBLOOMING CRIMSON RAMBLER"

The best Climbing Rose in the market, flowering during the whole Summer in large clusters of finest crimson color.

Prices for first rate plants with 3 to 6 shoots, open ground grown, $11.00 per 100, $100.00 per 1000.

Extra strong plants, with 5 and more branches at $15.00 per 100.

Package free, cash with order only.

SCHULTHEIS BROS., The "Old" Rose Gardens, at Steinfurth, near Bad-Nauheim, GERMANY

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Sixty Years of Retrospect
With Notes by the Way

By Stephen Taplin, Nurseryman and Florist

My first experience with Violets for Fall and Winter blooming was with two varieties: one double, very like the Marie Louise in size and color, a very free bloomer, good grower, non-spotting; the other single Russian, large dark color and good stem, free bloomer after January until May. We did not have any disease either at root or on foliage.

About the middle of May the clumps were divided into six or more pieces and planted about six inches apart in a good open loamy soil, with plenty of well-decayed leaves and a good sprinkling of soot, well mixed. If the weather was dry they were given a sprinkle of water a few times, until they had taken root, then a light hoeing about once a week to keep the weeds down. About the first week in October we would clean out the old Melon frames, spade up the soil, put in four inches of good clean decayed leaves and a good sprinkling of soot, mix all well together. We would then take up the plants, trim off suckers, runners and some of the foliage, and plant them in the frames, about six inches apart, water them and put on sash for a few days, and afterward sash was left off night and day unless there was a frost. About November 1 the sash was put on close at night, and ventilation given in the day, unless it was freezing. We covered at night and banked up the frames with leaves, according to temperature. The only drawback was picking flowers in severe weather. Violet growing there was so simple and successful that a green hand was likely to think there was no trouble to grow Violets. I have found it was not so simple at several places.

My first experience with Strawberry plants for forcing is well remembered. As soon as the crop was through in the open ground we cleaned between the rows. If they were very dry we gave them a good watering. As soon as the first runners were strong enough we would pinch off the runners above the first joints. We would collect a quantity of stones about half the size of hen's eggs. We made a shallow hole in the ground about two inches across, filled it with soil mixed with fine manure, laid the eye of a runner on this soil and put the stone on the back of the eye. In about two weeks we put on a layer of well prepared soil, about three inches deep. As soon as the plants were well rooted they were put into 6-in. pots and watered carefully; they would then make fine crowns before growth stopped, and the pots were well filled with roots. There were many other ways of preparing plants for forcing which I tried on a limited scale, but I never found any as satisfactory as my first experience. The labor in forcing Strawberries on a large scale is almost endless; the best plants that can be made in the time are none too good, to give a paying crop. In England the Strawberry is of as much importance as any fruit under glass.

In the Fall of 1852 the foreman resigned to take a similar position at a more extensive place. His successor only stayed a month, because there was no woman kept to cook for him. The next one only stayed two weeks, because there was no place to go to spend his evenings. He did not like the idea of working till 9 p.m. I was then made foreman; I suppose I did as well as some others that had been longer in the business; at any rate I made no failures, at the same time it gave me a chance of picking up experience which I should not have had, in hardy planting.

We had a block of dwarf Pears, Plums and Cherries which had been planted four years and were intended for espaliers and pyramids, but the ground being too rich and deep they grew so rank they could not be controlled sufficiently for the purpose. It was a soft Winter, without much snow, and being favorable for such work they were all taken up, root pruned and planted back again. They were given enough dry mulching the following Summer, and two years later they were making suitable growth with no losses. The following Spring a quantity of hardy trees had to be taken up from the home nursery, including evergreen and deciduous sorts, ranging from four to eight feet high, to be planted on different parts of the estate. Some places were very high and exposed to the wind, with not much soil to plant in, on a soft red sandstone bottom. Many of the hardy trees did well in it after getting started, but it required careful planting.

One of the men in the gang of planters, I think, knew more soils, exposures and suitable trees for the same, and used more common sense and judgment, than any man I have met since. I often think of that man when I read about what should be done to reforest the barren and waste lands that once produced some of the finest timber in the world. His theory was first to shade the ground, then plant what the ground was most suitable for, and that something to be useful in the fuure.

About August of that year I applied for and was admitted at once to what at that time was the mecca of most of the young men who were anxious for extensive experience in general gardening—Trentham, the seat of the Duke of Sutherland, Staffordshire. George Fleming was the gardener. If any old Trentham men should happen to read this they will remember what the name of George Fleming meant in those days. The Duke of Sutherland, at the time I was at Trentham, was the grandfather of the present Duke.

The system at Trentham was different from that of any other large place I know of in England. There was no general foreman and not many department foremen. All were "birds of passage," and nearly all young men who went there went as improvers, to enable them with the prestige of Trentham to secure positions as head gardeners or foremen elsewhere.

As a general improver he, a newcomer, paid £5 sterling, for two years' experience, and received twelve shillings per week wages, taking his chance either under glass or outside work. Those who considered themselves higher grade men and came there to finish up in Pine, Grape or general fruit growing would pay £10 sterling. At the end of their periods, if nothing they wanted was in sight, they would, through interest of former employers, be taken into a London nursery at twelve shillings per week, till the nurseryman found suitable situations; then, if their records were good through Trentham prestige they would be likely to secure a prize. Nearly all the situations for gardeners or foremen were filled through a leading nurseryman, who took no responsibility further than furnish names of all former employers to an applicant. If the references were not satisfactory the young fellow would then have to begin again or turn his attention to something else. Some would go as laborers in a nursery and if they were good useful hands they would get ahead in the nursery line.

My first start at Trentham was in the plant department, under the plant foreman, and I had to pay for my room and board in the village. Three months later I was put in charge of a large ridge and furrow conservatory, with a night temperature in Winter of 40°. I then went to room on the place; about 15 improvers like myself lived on the place, as we all had fires to attend to. The house I took charge of was partly planted with Camellias, Acacias, Daphnes and many other large greenhouse plants, with assorted vines running up columns and suspended from the roof. Part of the house was occupied in Winter with large specimens of the same class of plants in pots and tubs which were set outside in Summer. In all the conservatories and plant houses, which had to be kept gay and attractive with flowering or other plants, all work, watering, cleaning, etc., had to be finished before 10 o'clock. No one must be seen in such houses after that time. All kinds of potting, tying and sponging must be done out of sight. We had to watch for a time when the family was away to do all inside top dressing, sponging, tying, etc. There were six plant houses of different sizes, with night temperatures from 40° to 65°, according to the class of plants to be grown in them.

The acme of skill in growing specimen plants at that time was to grow a Pelargonium or a Chrysanthemum, or any fast growing plant of similar habit, say in a 12-in. pot, with a flat head about 3 ft. across, and, with pot, not to stand more than 2 to 3 ft. high, with sticks enough in it to build a rook's nest, sticks not to show when plant was in bloom. Later on in the season there was trouble with specimen Azaleas, the leaves dropping off. The next trouble was with a house of specimen Camellias, the buds all dropping off. I then had to take charge of all the hard-wooded plants.

The next and worst trouble of all was with a lot of very fine Orange trees in the conservatory opening into some of the principal rooms in the mansion. The leaves were all dropping off. The man who had charge had to take all the blame and he left the place in disgrace. I was then put in charge of the Orange trees. To go into all details of causes and remedies would take too much time and space. Each time anything was added to my charge I was to have more help and a regular foreman's pay. I got the help all right, such as it was; many of the hands could not be trusted to watch a batch of scrubby Calceolarias. It got to be a standing joke among the men when they saw a specially dudish looking young fellow come, who wanted further experience under glass. They would say "There is another addition to Taplin's gang."

All the young men who came to me, if willing to work and pay attention to instructions, had just as good a show as I could give them; if they showed any tendency to shirk it was no Paradise for them. One man, who would almost make two of me, was sent out with one of the pleasure ground gang. He sent in a complaint, to the effect that he did not want wheelbarrow practice, he wanted a job in the houses. I had a lot of top dressing to do just them, which meant carrying out the old soil in boxes and bringing back new soil. It was tough work on a hot day. He was told that young men could not select their work, but they would make an exception in his case as the plant foreman wanted a man in the houses. So he got a chance under glass. He came to me with best clothes and polished shoes. As each man had to take his turn with the boxes of soil there was not much chance to shirk. I soon saw the work did not agree with him; he was growling all the time and the others laughing at him. I then set him to carry water for me, in four-gallon cans—we had no rubber hose in those days. He would keep me waiting for water when I was in a hurry to get something finished up. He kept up a constant growling about paying to learn plant growing and then be kept carrying dirt and water. I told him I had nothing to do with that. If he did not like the work he could go to the office and complain, but as long as he was with me he would be kept at the same kind of work as the other men till it was finished. He then made a very insulting remark to me and said he had a mind to throw me in the river. I think I must have lost my temper for a minute, as I turned round and struck him with my fist on the side of the head. I did not think I used much force but he dropped like a log. Just as he fell the head gardener came past, and then there was trouble. It took a lot of cold water to get him on his feet again. There was a thorough investigation, as fighting and drinking meant sure dismissal in disgrace. The head gardener questioned the other men very closely and they told him what the man had said to me before I struck him, also that I treated him the same as I did them in work and they had no complaint to make.

(To be continued)

Our illustration is from a photograph taken at the Young Men's Republican Tariff Club Banquet, Pittsburgh, Pa., for which the well-known firm of Gustav & J. W. Ludwig of 626 E. Diamond st., that city, furnished the decorations. The picture was taken by the Chautauqua Photographic Co.

A Rose for Every Greenhouse

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WHITE KILLARNEY, MY MARYLAND, PINK KILLARNEY, RICHMOND

Rose Pots .....$15.00 per 100
3½-inch Pots .....$18.00 per 100

BRIDES, BRIDESMAIDS, GOLDEN GATES, LA FRANCE, KAISERIN

Rose Pots .....$10.00 per 100
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OWN ROOT ROSES

WHITE KILLARNEY, MY MARYLAND, RICHMOND, PINK KILLARNEY, AMERICAN BEAUTY

3-inch Pots .....$9.00 per 100
4-inch Pots .....$12.00 per 100

BRIDES, BRIDESMAIDS, PERLES, SUNRISE, GOLDEN GATES, CHATENAY, KAISERIN

3-inch Pots .....$7.00 per 100
4-inch Pots .....$10.00 per 100

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Grafted Roses

	100	1000
Bridesmaid	$12.00	$120.00
Killarney	12.00	120.00
W. Killarney	12.00	120.00
My Maryland	12.00	120.00
Bride	12.00	120.00

Rooted Carnation Cuttings

	100	1000
White Perfection	$2.50	$20.00
Enchantress	2.50	20.00
Lady Bountiful	2.00	16.00
Winsor	2.50	20.00
Victory	2.50	20.00
Mrs. Patten	2.50	20.00
May Naylor	2.00	16.00
Harry Fenn	2.00	16.00

One of our customers writes us:

"Carnation cuttings arrived in fine shape. We regret not placing a much larger order with you as much of the stock received from some other growers was so very poor."

EDWARD J. TAYLOR, Green's Farms, Conn

Please mention the Exchange when writing.

ROSES

FOR SALE

Choice lot of Brides and Bridesmaids, from 2½-in. pots, $2.00 per 100; from 3-in. pots, $2.50 per 100; all on own roots from Grafted Stock, also

5000 GALVANIZED CARNATION SUPPORTS, three rings, Parker's Patent, $5.00 per 1000 delivered at greenhouse, or $6.00 packed, almost as good as new.

A. L. THORNE, Flushing, L. I.

Please mention the Exchange when writing.

LIST OF 200 ROSES

Bumper crops for Spring delivery.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Please mention the Exchange when writing.

SHASTA

Our new white carnation, ready now at $12.00 per 100; $100.00 per 1000. The biggest paying White Carnation you ever saw. We are shipping fine, well rooted cuttings.

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

CARNATION, Beacon

From 2¼-inch pots, $35.00 per 1000

Princess of Wales Violets

Rooted Runners, $9.00 per 1000

SEA CLIFF NURSERIES, SEA CLIFF N. Y.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

ROSES From 2-inch pots at Rose Lawn Greenhouses

Kaiserin, $3.50 per 100.
My Maryland, $6.00 per 100.
White Killarney, (Waban strain), $8.00 per 100.

Cash with order. Address

J. HENRY BARTRAM, Lansdowne, Pa.

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings.

Large, strong, well rooted, absolutely no disease, taken from plants grown especially for stock and rooted in a cool house. These will make plants quickly and cannot fail to please you.

	100	1000
Enchantress	$3.00	$26.00
Pure White Enchantress	3.60	30.00
Rose Pink Enchantress	3.00	26.00
White Perfection	3.00	26.00
Winona	3.50	30.00
Beacon	3.50	30.00
Winsor	3.00	26.00
Harlowarden	2.50	20.00

Cash with order. 250 at 1000 rates.

SMITH & GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Syracuse, N. Y.

Trade has been very good since Easter, as society people have been very active and there have been some quite large private and public functions, calling for many flowers and much southern Smilax. Funeral orders, too, have been quite large and frequent, which has kept stock well worked up.

The excessive heat prevailing several days the past week has materially affected the quality of Roses and Carnations. The oldest inhabitant cannot recall such a hot spell at so early a date. The glass several days registered over 80°, and one day 88° in the shade, but in less than 48 hours the glass fell to 32° and the ground was covered with snow. How much the fruit crop is injured cannot be told as yet. It is recorded that just fifty years ago, on April 13, zero weather prevailed for a day, which ruined everything in the way of fruit crops and vegetables.

Our park commissioners are seeking power to acquire more land for enlarging our park system, and it is earnestly hoped they may succeed. Park Supt. Campbell is greatly in favor of the scheme and is displaying great activity.

H. H. Franklin is to enlarge his greenhouses and Crouse Klock will build a large conservatory and fine range of houses. He has secured the services of W. J. Quinlan, brother of P. R. Quinlan, as head gardener. H. Y.

THREE NEW CARNATIONS

CONQUEST Fancy overlaid pink — **SANGAMO** Brilliant pink — **MARY TOLMAN** Deep flesh pink

$12.00 per 100; $100.00 per 1000

CHICAGO CARNATION COMPANY, A. T. PYFER, Mgr., **Joliet, Illinois**

Please mention the Exchange when writing.

Pittsburgh, Pa.

The cut flower trade has been moving along nicely since Easter and stock of all sorts is abundant, so that prices are within the reach of all, Roses and Carnations are coming in of good quality. Bulbous stock is rather cheap. Outdoor stock is coming in, which will have a tendency of lowering prices a little more on greenhouse stock. The plantsmen are very busy. The extraordinary mild weather is a great help to them in their outdoor work.

We never had such an early Spring, everything is about a month ahead of time, Tulips, Hyacinths, Narcissus in bloom, many varieties of Magnolias, even Lilacs are blooming, and the fruit trees are covered with blossoms. The weather throughout March was mild and, so far, April is warming things up a little too lively, the thermometer reaching the 80° mark. The sound of the lawn mower is heard and amateur gardeners are making their gardens and planting seeds, but I much fear that a good deal of replanting will be done as it is not likely that these conditions will last, for frost can be expected for another month at least.

W. C. Beckert, the North Side seedsman, has had the busiest month he ever had in his career; his store room is crowded with people all day long.

The gardeners who occupy the space around the North Side market for the sale of plants, and who usually start about May 1, are already in their places, but there is not much rush for tender plants yet.

Recent visitors were J. Murchie of Sharon, Pa., and W. P. Snyder, of the Edwards Folding Box Co., Philadelphia.

H. Blind & Bros. expect to have their new auto-truck the coming week. It will be a ton and a half capacity, about the largest in the trade. The automobile is coming into more use among the florists and it will not be long until all have machines for business and pleasure.

P. Demas expects to leave for Greece about the first week in May, and John Bader has some thoughts of crossing over again. Your correspondent sails April 23 on the Lapland, for Antwerp, and expects to take in some of the flower shows in Haarlem and Brussels.

E. C. REINEMAN.

Providence, R. I.

John F. Wood of 167 Westminster st. made an assignment on Thursday, April 7, to Charles H. McKanna, attorney-at-law, for the equal benefit of his creditors. This came somewhat as a shock to the trade at this season, as, to all appearances, Mr. Wood was doing his share of the business.

William Appleton has recovered from a severe attack of stomach trouble; his oldest son, Eugene, looked after the business during his father's illness.

Stephen Toher of Concord st., has built a house 75x25 ft. He is to grow Carnations and a general line of bedding stock.

Business the past week was good and prices kept up well, all things considered. There was but a limited amount of funeral work.

Violets still come in plentifully and can be bought for $2.50 per 1000. Prices on other first-class stock are about the same as last week. Carnations are making $1.50 to $2.50 per 100. In Roses, My Maryland, Richmond, Mrs. Taft and Killarneys bring $6 to $10; Am. Beauty, $15 to $50. Trailing Arbutus is a glut, selling for the best price that can be obtained. The same applies to all bulbous stock, except Lilies. G. A. J.

ALLENTOWN, PA.—Daniel B. Kroninger is offering his greenhouses for sale.

CROMWELL, CONN.—A. N. Pierson sailed for Europe on April 4 on a two months' trip.

We have a SPECIALLY nice lot of

YOUNG CARNATION AND CHRYSANTHEMUM STOCK

now ready, heavily rooted, sturdy stock, and liberal count. Try us once.

CARNATIONS

	Per 100 R. C.	2½-in.
Enchantress	$2.50	$3.50
Rose Enchantress	2.50	3.50
Beacon	2.50	3.60
White Perfection	2.50	3.50
White Enchantress	2.50	3.50
Georgia	4.00	5.00
Welcome	3.00	4.00

CHRYSANTHEMUMS

A few stock plants of October Frost, C. Touset, Alice Roosevelt, Golden Glow, still left at $3.00 per 100, $25.00 per 1000.

The Following in R. C. and 2½-in. Stock.

Alice Roosevelt, Rosiere, Monrovia, Minnie Bailey, Appleton, White Bonnaffon, Alice Byron, Dr. Enguehard, Yanoma, Wanamaker, Mankey, and nearly all standards, $2.00 per 100, $15.00 per 1000, R. C.; $2.50 per 100, $20.00 per 1000 for 2½-in. pots.

Virginia Poehlmann, $3.00 per 100, R. C.; $4.00, 2½-in.

Golden Eagle, Lynnwood Hall, $4.00 per 100, R. C.; $5.00, 2½-in.

Pres. Taft, Mrs. W. E. Kelley, $10.00 per 100, R. C.; $12.00, 2½-in.

Special for few weeks until sold.

1000 October Frost or Golden Glow, 2½-in. pots, for $17.50; 500 for $9.00.

1000 C. Touset, 2½-in. pots, for $18.00; 500 for $9.50.

I. M. RAYNER, Greenport, N.Y.

Please mention the Exchange when writing.

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, $12.00 per 100, $100.00 per 1000.

Alma Ward, $15.00 per 100, $125.00 per 1000.

Mrs. J. C. Vaughan, Bay State and Georgia, $6.00 per 100, $50.00 per 1000.

Robert Craig, Afterglow and Harlowarden, $3.60 per 100, $30.00 per 1000.

New crop, Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons, at 25c. and $1.00 per package.

CHAS. H. TOTTY
MADISON, N. J.

Please mention the Exchange when writing.

CARNATION CUTTINGS

My stock has not been allowed to throw over three blooms per plant and is, therefore, very vigorous, producing cuttings strong and full of life. Cuttings from such stock will produce more and better flowers next Winter than the ordinary grade from stock that has been flowered to death.

	100	1000
Harlowarden	$2.50	$20.00
Enchantress	3.00	26.00
Rose Pink Enchantress	3.00	26.00
White Perfection	3.00	25.00
Pure White Enchantress	3.60	30.00
Winona	3.60	30.00
Beacon	3.50	30.00

250 at 1000 rate.

Cash with order, or references.

A. A. GANNETT, GENEVA, N. Y.

Please mention the Exchange when writing.

Rooted Cuttings

	Per 100	1000
Georgia	$2.60	
Rose Enchantress	2.00	$12.60
Afterglow	2.00	16.00
Beacon	2.50	20.00

BOSTON FERNS, from bench, $2.50 per 100, $20.00 per 1000; ready to plant.

QUIDNICK GREENHOUSES

J. B. Cushing, Prop., Quidnick, Anthony P. O. R. I.

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APHINE

THE practicability of spraying, compared to fumigation or vaporizing, is being more generally recognized than heretofore among those engaged in floriculture and horticulture.

Spraying, when operated on scientific lines, is proving the most economical method of combating insect pests. Fumigation requires the filling of the house. Spraying requires application to that portion of the house only where the insects make their appearance.

Fumigation is not beneficial to flower or foliage. **Spraying with Aphine does not affect them in the least; in fact, it invigorates the plants.**

Send for descriptive circular.

Aphine Manufacturing Company
Madison, N. J.

Please mention the Exchange when writing.

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Week's Work, The:
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St. Louis

We had with us last week J. J. Kairens, traveler for Henry A. Dreer, Philadelphia. Before leaving he said he had done a good business.

William F. Kasting of Buffalo, N. Y., known to all as "Smiling Billy," spent Monday, April 11, looking up old friends here. Billy is an old St. Louis boy and is always a welcome visitor.

Julius Dillhoff, who represents Schloss Bros., the ribbon people of New York, was also a recent visitor. Mr. Dillhoff says he found trade good in his line this trip.

Ostertag Bros. have opened a big show room on the second floor of their Washington ave. store. The room is decorated for a reception, with dinner table and wedding outfits. The show is attracting a great deal of attention and is visited by society folks daily.

John Beyers, who was formerly with Palmer at Buffalo, N. Y., is now with the well-known firm of Grimm & Gorley at 702 Washington ave. Mr. Beyer is buyer for the cut flower department.

The death of Mrs. M. S. Vesey at Fort Wayne, Ind., on Friday, April 8, came as a great shock to her St. Louis friends. The news reached Miss Tillie Meinhardt at 2 a. m., Saturday, April 9, and she left early that morning to attend the funeral which took place Tuesday, April 12.

The Retail Florists' Association held a meeting in the Washington Hotel on Monday, April 4. The rainy night kept the attendance down. A lot of good work has been accomplished by this Association.

The H. J. Weber & Sons' Nursery Co. says it has had one of the busiest seasons in years in the sale of fruit and shade trees and shrubs of all kinds, especially California Privets, which were all frozen out last Winter. Emil Rotenhover and C. C. Sanders also say that the season is away ahead of any previous year in the sale of nursery stock of all kinds. Other nurserymen are as busy as they can be. The early Spring kept them all hustling.

Fred J. Amman of Edwardsville and a number of our suburban florists called last week to buy supplies, and all have a good word for the Easter business.

August Mering, the East St. Louis florist, is sporting a new delivery wagon. Mr. Mering has a good many deliveries to make on this side of the river, of plants and cut flowers.

Charlie Young reports that his wife and child are visiting friends in Marline, Texas, for a few weeks. Charlie says they have been working overtime at the store since Easter.

Park Commissioner Scanlan says that Ernst Shreling will act as superintendent of parks for some time, at least until the Spring planting in the parks is over.

ST. PATRICK.

SALT LAKE CITY, UTAH.—A. M. Holter, who has been the florist at Liberty Park for the past 10 years is to engage in business for himself.

SPRINGFIELD, ILL.—Gabe Hoffman, charged with the larceny of 100 doz. Carnations from the greenhouses of Wirth & Gaupp has been held to the grand jury under a $500 bond.

Catalogs Received

JULIUS ROEHRS CO., Rutherford, N. J.—Orchids. This is a handsomely printed catalog of 32 pages, set in large type and most profusely illustrated. It will be found a desirable work of reference to all growers of what the Julius Roehrs Co. style "the Queen Family of the Vegetable Kingdom."

BENJ. HAMMOND, Fishkill-on-Hudson, N. Y.—A School Garden (Illustrated). Second edition. This booklet sets forth the value of Hammond's well-known preparation, Slug-Shot, an almost universal remedy against Currant Worms, Potato Bugs, Cabbage Worms, Lice, Slugs, Sow Bugs, etc. Also describing Horicum for San Jose Scale, Hammond's Copper Solutions for Blights and Mildews, and "Cattle Comfort," a preparation to relieve live stock from Horn Flies, Gnats and Mosquitoes.

JULIUS ROEHRS CO., Rutherford, N. J.—Stove and Greenhouse Plants, Palms, Bay Trees, Flowering Shrubs, Fruit Trees, Evergreens, etc. This comprises a general catalog of all stocks grown under glass, used commercially, by the private gardener, or which are desirable in conservatories, the line of stove and greenhouse plants being particularly full. Attention is also called to their Nursery Department, on the grounds of which they carry a full line of desirable Evergreens, Japanese Maples, Shrubs, Trees, Hardy Herbaceous Plants and other stock.

ROSES

Own Root, Fine Stock

White Killarney, 2¼-in., $1.50 per doz., $8.00 per 100. Chateaay, Carnot, Kaiserin, Killarney, Perle, Richmond, Sunrise and Sunset, $5.00 per 100. Bride, Bridesmaid, Golden Gate and Uncle John, $4.00 per 100.

Mammoth Verbenas

Rooted Cuttings, $1.00 per 100, $8.00 per 1000.

Asparagus Plumosus

From 3-in. pots, $5.00 per 100; from 2¼-in. pots, $3.00 per 100.

Asparagus Sprengeri

From 3-in. pots, $5.00 per 100.

Dracaena Indivisa

4-in., $15.00 per 100; 5-in., $20.00 per 100.

MISCELLANEOUS

ABUTILON Savitzi, 2¼-in. pots, $3.00 per 100.

AMPELOPSIS Veitchii. Pot grown, $3.00 per 100 and $6.00 per 100 (two sizes).

ACHYRANTHES. Best varieties, $1.00 per 100, $8.00 per 1000.

AGERATUM. Blue and white, $1.00 per 100, $8.00 per 1000.

CANNAS, Dormant Tubers, $2.00 and $3.00 per 100, $18.00 and $25.00 per 1000.

CARNATIONS: From pots and Rooted Cuttings; send for catalogue for varieties and prices.

CHRYSANTHEMUMS, 60 fine varieties, Rooted Cuttings, $1.50 and $2.00 per 100.

COLEUS. Bedding and fancy varieties, $1.00 per 100, $8.00 per 1000.

CUPHEA platycentra. $1.25 per 100.

BEGONIA Erfordi. Pink and white, $2.00 per 100; Crimson Bedder, $2.00 per 100.

FEVERFEW, The Gem. $1.50 per 100, $12.00 per 1000.

FORGET-ME-NOT, $1.50 per 100.

FUCHSIAS. Double and single, $2.00 per 100.

GERANIUMS. Double and single, $1.50 per 100, $14.00 per 1000.

GERANIUMS, Ivy-leaved, 2¼-in. pots, $3.00 per 100.

GERMAN IVY. $1.50 per 100.

HELIOTROPE, 8 best varieties, $1.25 per 100, $10.00 per 1000.

LANTANAS, 2¼-in. pots, $3.00 per 100.

LOBELIA. New double blue, $2.00 per 100.

MOONFLOWER (True). White, $2.00 per 100; $15.00 per 1000.

SALVIA. New varieties, $1.50 per 100; $12.00 per 1000. Splendens and Clara Bedman, $1.25 per 100; $10.00 per 1000.

STEVIA, Variegata, and Compacta, per 100, $1.25.

SMILAX, from 3-in. pots, $4.00 per 100.

WOOD BROTHERS, FISHKILL, NEW YORK

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids.

The strain which I offer is unsurpassable (August Seedlings), twice transplanted from flats, in five colors including fringed varieties, $3.00 per 100, $25.00 per 1000; from 2½-in. pots, $5.00 per 100, $45.00 per 1000; from 3-in. pots, $7.00 per 100, $65.00 per 1000; now ready.

GERANIUMS

Standard varieties, strong well-grown plants in bud and bloom from 3½-in. pots, $6.00 per 100, $55.00 per 1000.

CANNAS

Alphonse Bouvier, Duke of Marlborough, Chas. Henderson, Papa Nardy, Chicago, strong tubers, 2-3 eyes, $15.00 per 1000.

PAUL MADER, East Stroudsburg, Pa.

Please mention the Exchange when writing.

DRACAENA Indivisa 4-in., $10.00 per 100.
CANNAS. Pennsylvania, $1.50; A. Bouvier, $1.50; Austria, $1.25; Italia, $1.75; B. Beauty, $2.50; Egandale, $1.50; Marlborough, $2.00; America, $1.25; D. Harum, $2.00 per 100.
HYDRANGEA Paniculata grandiflora, 2 to 3 ft., $10.00; 18 in. to 24 in., $6.00 per 100.
PRIMULA Obconica, 2-in., $1.50 per 100; 3-in., $4.00 per 100; 4-in., $6.00 per 100.
GERANIUM, Ricard, 2-in., $2.00 per 100.
FICUS Elastica, 6-in., $30.00 per 100.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100. Plumosus, 2-in., $2.00 per 100.
ENGLISH IVY, R. C., 75c. per 100; var. R. C., 75c. per 100.
ENGLISH IVY, 2 in., $2.00 per 100.
FERNS, Scottii, 2½-in., $5.00 per 100; 3-in., $10.00 per 100; 4-in., $15.00 per 100; 5-in., $20.00 per 100; 6-in., $35.00 per 100.
FERNS, Boston, 3-in., $5.00 per 100; 4-in., $15.00 per 100.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

FRAGRANT CLOVE-SCENTED PINKS

Grow out-of-doors, bloom in June, live for years, need no care, have light green foliage that makes them attractive the entire season, fine for Lawns, Parks, and Cemeteries, may be grown in clumps or in borders; in fact, these Pinks should be in every garden. The first cost is the only expense for a life-long friend.
$5.00 per 100.

THADDEUS HALE, Wellesley Hills, Mass.

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ORDER NOW For June Delivery

Begonia Gloire de Lorraine
2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen
2½-in., $5.00 per 100, $45.00 per 1000

Poinsettias
2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis
2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.
Scranton, Pa.

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Wholesale Florists

Store, 2729 Lick Place, SAN FRANCISCO — Greenhouses, MELROSE, CAL.

Headquarters for Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.
Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.

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PALMS, FERNS *and* Decorative Plants

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ALTERNANTHERA, Red

Extra strong rooted cuttings, 50c. per 100, $4.00 per 1000

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Oakland, Md.

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PALMS!

KENTIAS, in 2½ inch pots, $8.00 per 100, $75.00 per 1000.

JACKSON & PERKINS CO., Newark, (Near Rochester) New York

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FERNS
MY SPECIALTY

Adiantum Cuneatum and Gracillimum, 2¼ in., $3.50 per 100, $30.00 per 1000.

FERNS FOR FERN DISHES

Extra strong, healthy, bushy, full grown, 2¼ in. stock, guaranteed to please; in assortment of 12 best varieties, $3.00 per 100, $25.00 per 1000. 3 in., $6.00 per 100, $55.00 per 1000.

250 at 1000 rate.

CIBOTIUM SCHIEDEI

King of Ferns: Handsomest, most valuable plant for all decorative purposes; no plant more profitable to both grower and retailer; young stock for growing on, ready for delivery during March, April and May. Largest stock, best prices. Orders booked now.

Asparagus plumosus nanus. Excellent 2¼ in. stock, $3.00 per 100, $25.00 per 1000.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist

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Scholzeli Fern

The best payer and most prolific Fern to date. 2¼-in. $7.00 per 100.

	Per 100
Superbissima, 2¼-in.	$7.00
Whitmani, 2¼-in.	5.00
Scottii, 2¼-in.	5.00

CHAS. H. CAMPBELL
3601 Germantown Avenue
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WANTED Aspidistra

Three-inch pots or divisions. State price.

THOMAS MEEHAN & SONS, Inc.
GERMANTOWN, PA.

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Ferns in Flats

All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready June 1. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.

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Nephrolepis Whitmani

6-in., $5.00 per doz.; 2¾-in., $3.50 per 100.

COLEUS, Verschaffeltii and Golden Bedder, 2-in., $2.00 per 100. ABUTILON Savitzi, 2-in., $2.50 per 100. ACALYPHA Macfeeana, 2-in., $2.50 per 100. ASPARAGUS Sprengeri, 4-in., $5.00 per 100.

W. D. ROBERTSON, Oakhurst, N. J.

Please mention the Exchange when writing.

NEPHROLEPIS

WHITMANI, 2½-in., $5.00 per 100; $40.00 per 1000.
MAGNIFICA (new), $25.00 per 100.
BOSTON FERNS, 2½-in. $30.00 per 1000.

Henry H. Barrows & Son,
WHITMAN, MASS.

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Prices Advertised in these Columns are for THE TRADE ONLY

FERNS FERNS

Assorted Ferns for Jardinieres, in 6 to 8 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $25.00 per 1000. FERN SEEDLINGS, from flats, in 10 best varieties, ready June 1.

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FERNS ASSORTED FOR DISHES

Full grown plants from 2¼-in. pots, $3.00 per 100; 3-in., $6.00 per 100; 4-in., $12.00 per 100.

Asparagus P. Nanus 3-in. pots, $6.00 per 100.

Cocos and Kentias For Centers, 2¼-in. $10.00 per 100; 3-in., 15c. each.

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ASPARAGUS PLUMOSUS NANUS

NEW CROP

100 Seeds..... $0 50 — 500 Seeds..... $2.00
1000 Seeds..... $3.50

Our Flower Seed Catalogue free on application

THE MOORE SEED CO., 839 Market Street PHILADELPHIA, PA.

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ASPARAGUS PLUMOSUS

From 2¼-inch pots, $2.50 per 100, $22.50 per 1000.

Cash with order please

FLORAL HILL GARDENS
G. F. NEIPP, Prop.
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FUCHSIAS

There are none better than Little Beauty, Lord Byron, Renan and White Beauty. Strong 2½-in. pots ready, $4.00 per 100. New Heliotrope, Miss Berenice, a sport of Mad. Bruent and a great improvement on the latter 2½-in. pots, $8.00 per 100. Katalog for the asking

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

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ROOTED CUTTINGS

FUCHSIAS, Finest Double, dwarf habit, $1.00 per 100; $8.00 per 1000. Elm City, double dwarf, a handsome purple, $1.00 per 100; $8.00 per 1000.
PETUNIA, The Queen, fine double fringed, white mingled with purple, $1.00 per 100; $9.00 per 1000.
AGERATUM, Stella Gurney, 50c. per 100; $4.00 per 1000.

Cash with order.

J. P. CANNATA, Mt. Freedom, N. J

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SALVIAS

35,000 Bonfire, from seed, twice transplanted, large healthy stock, 90c. per 100, $7.50 per 1000. Zurich, 2¼-in. pots, $2.00 per 100; $18.00 per 1000.
PETUNIAS, Single Petunias of Ruffled Giant, California Giant, and Ruffled, striped and blotched. A No. 1 stock, 2¼-in. pots, $2.00 per 100, $18.00 per 1000.
VERBENAS, Mammoth Flowering Mixed, transplanted, 75c. per 100, $6.00 per 1000.

Cash please.

S. A. PINKSTONE, 206 Court St., Utica, N. Y.

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FIRST CLASS STOCK

	Doz.	100
DRACAENA Indivisa, 5-in.	$2.50	$20.00
VINCA Variegata, 4-in.	1.50	10.00
IVY GERANIUMS, 2½-in.	.50	2.50
GERANIUM Mme. Salleroi, 2-in.		2.00
PANSY PLANTS, field-grown, $1.00 per 100, $8.00 per 1000.		

F. C. RIEBE, Webster, Mass.

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Helianthus Multiflorus Plenus

$4.00 per 100.

	Per 100
LYCHNIS Viscaria fl. pl.	$4.00
PLATYCODON grand. alba.	3.00
PLATYCODON Mariesii	3.00
PHYSOSTEGIA Virginica	3.00
PHYSOSTEGIA spec. alba	3.00
SWEET WILLIAM	3.00

NORMAN & HACKER. Painesville, Ohio

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Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

Dracaena Indivisa

In order to make room, very low prices on exceptionally nice plants. **Heavy, perfect specimens,** from 6-7-8-inch pots. An opportunity whether in need of a few or many.

JOHN M. COOKE, White Plains Road TARRYTOWN, N. Y.
Glenville Nurseries

DRACAENA INDIVISA

$20.00 per 100, out of 5-in. pots.
GERANIUMS, all best varieties, in bud and bloom, $6.00 per 100, $50.00 per 1000.
All other Bedding Stock ready now.
Cash with order, please.

E. L. RILEY, Trenton, N. J.
R. F. D. No. 2.
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DRACAENA INDIVISA

Bench grown, 1 year, transplanted; $1.50 per 100, $12.00 per 1000.

Dwarf Alyssum, Giant Stocks, Senecio (Parlor Ivy), Feverfew, and Alexander Daisy, from 2½-in., all at the low price of $1.50 per 100. Strong Started Cannas, 1½c. each. Pansies and Daisies all sold.

Cash prices.

E. FRYER, Johnstown, Pa.
Please mention the Exchange when writing.

Bay Trees, Box Trees, Evergreens, Palms, Crotons and Stove Plants

Ferns, Aspidistras, Araucarias,
PHOENIX CANARIENSIS

Large Oleanders and many other plants

JULIUS ROEHRS CO.
RUTHERFORD, N. J.

Please mention the Exchange when writing.

G. & F. Club of Pittsburgh

The April meeting of the Pittsburgh Florists and Gardeners' Club was very well attended, considering that this is a busy time of the year for the many florists and gardeners. In the absence of Pres. Burki, Vice-Pres. P. S. Randolph occupied the chair. The Club's membership is still growing, four new members were elected and one proposed. The private gardeners failed for the first time to make an exhibition in the competion list as per schedule, and the only material for exhibition was sprays of hardy blooming shrubs and plants from the West End parks and a few cut Tulips. Owing to the early season quite a variety of blooms were on hand and discussed, such as the Cercis or Judas Tree, Forsythia, one of the very earliest of Spring blossoms, Japanese flowering shrubs, Magnolia stellata and Soulangeana, Spiræas, hardy Saxifragas and a few other interesting sorts. F. Wissenbach showed some good Tulips grown in a cold frame. A. Colyn, representing C. Colyn & Sons, bulb growers of Voorhout, Holland, was a visitor at the meeting and was requested to name the best market varieties of Hyacinths, Tulips and Narcissus.

One of the members brought up a subject that a few of the daily newspapers had written about—the boycott of the florists at the annual Memorial Day exercises. It was the general opinion of those present that it would have no effect on the florists' trade at all, for the Grand Army men buy very few plants themselves, almost all plants for soldiers graves being donated, and the general public will continue to use plants and cut flowers on Memorial Day the same as heretofore.

The Lily question was, as usual, touched upon, as to which were the best sorts for forcing, and as to their uncertainty in coming to bloom. Some of the members were of the opinion that good bulbs could be grown in the South of the United States as well as anywhere else.

To make the next regular meeting in May as interesting as possible every member was requested to bring some material, and there should be a good variety to select from by that time. It is not at all necessary for members to burden themselves by bringing in a whole lot of stock, but just bring something that can be readily carried.

E. C. REINEMAN.

G. and F. Club of Baltimore

The regular meeting of the Gardeners and Florists' Club was held in its hall last Monday night, with President George Morrison in the chair. The meeting was well attended, about one third of the members being present. From the time the meeting started until a late hour a great deal of humor was apparent but considerable business was transacted. H. B. Lassahan and J. J. Blair were elected members of the Club.

The president appointed for the ensuing year the auditing committee as follows: Albert Fiedler, P. B. Welsh, F. Bauer, N. Lehr, Isaac H. Moss.

The treasurer's report was read and approved, and the Club was shown to be in excellent financial condition, with a membership of 160.

An invitation was extended to the Club to visit the beautiful country home of W. J. Lanahan, Blenheim, next month, during Peony time. Those who paid visits before realize that this visit means a good time, and it is expected a large turn out will result. A royal treat is in store for members and friends at the Club on May 23 in the way of a smoker and entertainment. The committee in charge is composed of C. M. Wagner, J. Boone, J. L. Towner and C. L. Seybold, and this committee assures the members a good time. Exceptionally good talent will be there.

The question box provided many questions of all sorts for discussion. One of the questions was, "Is the Street Fakir a Good Florist." Many gave their opinions and the discussion lasted about one hour. At the conclusion the fakir was concluded to be a good seller. Fakir conditions were taken up and met the approval of the majority. On the streets they are compelled to sell out of baskets. It is queer to see large vases and tin cans standing in baskets with flowers along the curbing; the public stare and wonder.

J. L. T.

Lenox (Mass.) Horticultural Society

The annual Rose and Carnation night of The Lenox Horticultural Society was held on Saturday, April 2, and was a decided success, the members turning out in full force. Seldom, if ever, have Roses and Carnations been seen in Berkshire County of such high quality as those exhibited. Upward of fifty vases were staged for competition in the various classes. As a scarlet Beacon was largely exhibited, while White Perfection, Winsor, Enchantress, Bay State, Rose Pink Enchantress and Octoroon were strongly exhibited in classes for their various colors. An exhibit on which special praise was bestowed was composed of two magnificent vases of Mrs. C. W. Ward and Alma Ward Carnations exhibited by the Cottage Gardens Co., Queens, Long Island, N. Y., which were unanimously awarded a first-class certificate, the Society's highest award. Another exhibit which was greatly admired was an exceedingly fine vase of fifty flowers of the new Carnation White House, exhibited by Dailledouze Bros., Flatbush, N. Y. This variety was shown in the best of condition which speaks well for its shipping qualities. The flowers are borne on long, stiff stems, and measure 3½" across. It was unanimously awarded a first class certificate. The following is the list of the principal awards: Elm Court Farm—First for 25 Enchantress and Winsor Carnations and 12 Richmond and American Beauty Roses. A. H. Wingett—First for 25 Beacon, and 12 Bay State Carnations, and 12 President Carnot Roses. S. Carlquist—First for 12 White Perfection, Beacon, Enchantress, Octoroon, and Rose Pink Enchantress Carnations. J. J. Donohoe—First for 25 My Maryland Roses, second for 12 American Beauty Roses, Winsor, Beacon, M. A. Patten and Rose Pink Enchantress Carnations; he was also awarded a certificate of cultural commendation for an extra fine vase of Stock Queen Alexandra. The judges were E. Jenkins, R. Speirs, W. Jack and A. J. Jenkins. George Breed read an interesting paper on the "Orchards of the Berkshires," dealing with the best varieties, soils, pests, and general management, etc. Considerable discussion ensued, most of the members asking questions which Mr. Breed answered in a very able manner. He was accorded a hearty vote of thanks for his instructive lecture.

GEORGE H. INSTONE, Sec.

CROTONS

Fine varieties, first-class plants, highly colored, 25c., 35c., 50c., 75c. and $1.00 each.
DRACAENA SANDERI, 3-in., 25c.

R. G. HANFORD, Norwalk, Conn.
Please mention the Exchange when writing.

JOSEPH HEACOCK CO.
WYNCOTE, PA.

Growers of fine **KENTIAS**
Send for Price List
Please mention the Exchange when writing.

ORCHIDS

We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawrenceana, Gaskelliana, Dowiana and Percivaliana. Write to-day.

CARRILLO & BALDWIN, Mamaroneck, N. Y.
Please mention the Exchange when writing.

Connecticut Horticultural Society

Our second March meeting was omitted, on account of the date falling on Fast Day, a State holiday here. On April 8, our first April meeting took place, with President John F. Huss presiding.

The center of the room in the County Building, Hartford, was adorned with a beautiful collection of plants and cut flowers, as follows: Amaryllis hybrida, Bougainvillea glabra Sanderiana, Haemanthus diadema, Primula obconica, exhibited by Mr. Huss; Antirrhinum gigantea alba, by Alfred Cebelius, gdr. for Prof. Jacobus; Calceolaria hybrida, by J. A. Weber, gdr. for Walter L. Goodwin; a freak Geranium bearing two kinds of blossoms, by T. B. Brown of Winsor. The judges, who were H. A. Pinney, John Gerard, and W. H. Shumway, made awards as follows: Diplomas to Mr. Huss and Mr. Weber; certificate of merit to Mr. Cebelius; vote of thanks to Mr. Brown. The Haemanthus diadema, Mr. Huss said, is quite rare, coming from Belgium, but originating in the Congo.

The society voted to give the president of the Lava Company of America, of Passaic, N. J., a hearing, in case he desires to come to Connecticut to address our members, at his own expense, on the lava fertilizer question, which is receiving considerable attention among some gardeners.

Arrangements have been started for our two Fall exhibitions; and the executive committee has commenced work on the schedules of prizes. The dates are set as follows: Dahlia exhibition, at Unity Hall, Hartford, September 22-23; and Chrysanthemum exhibition, at Putnam Phalanx Hall, Hartford, November 3-4.

Concurrent bills before the Senate and House, at Washington, granting funds to each State agricultural college for extension work, were brought to the attention of our members, and the secretary was instructed to convey to the Connecticut senators and representatives our Society's desire for the support of the bills.

James M. Adams, at the request of the chairman, read an article concerning horticulture in Japan, showing many curious uses to which flowers, shrubs, and trees are put, especially in the way of things legendary in that Oriental country.

Our next meeting, which will be held on April 22, will be Rose night, and a paper is expected from Howard A. Pinney on the subject of the Rose.

The season here is quite forward, owing to high temperatures. Apricots are in blossom.

GEORGE W. SMITH, Secretary.
Melrose, Conn.

Fresh Stock
Guaranteed True Type
ORCHIDS
No Greenhouses
Direct to You
JUST ARRIVED
200 cases **Cattleya Trianae** in perfect condition. If potted now **will flower this season.** Order at once.
Cattleya Labiata, due in two weeks.
G. L. FREEMAN CO., Fall River, Mass.
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ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the world.
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and 235 Broadway, Room 1, New York City
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ORCHIDS

CATTLEYA Warneri, C. Harrisoniae, C. Gaskelliana, C. Gigas, Hardyana type; DENDROBIUM Phalenopsis, Schroederi; ODONTOGLOSSUM Luteo-purpureum, Sceptrum.

LAGER & HURRELL, Summit, N. J.
Please mention the Exchange when writing.

ORCHIDS! ORCHIDS!

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FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedemen and the Trade in General.

Exclusively a Trade Paper.

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Registered Cable Address: Florex, Newyork.

Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Marketing the Product

Suggestions beneficial to the trade are constantly being made. Few of these are acted upon. The reason is not far to seek. It arises principally from the lack of an organization to consider them and determine whether they are worth while pressing to a conclusion or not. The consideration of such suggestions should be taken up with more energy than has been the case in the past, by both our local florists' clubs and the larger national organizations, the logical conservers and promoters of the welfare of the trade.

As a case in point, we would refer to the paper read before the Florists' Club of Philadelphia, last week, by Henry I. Faust of Merion, Pa., on "The Growing of Lilies for Easter." However growers may differ on some of the cultural points enunciated by the essayist, there can be no doubt in the minds of most that, fully as important as growing a Lily—more so, in fact—is the marketing of the product. Mr. Faust advocated the idea that if florists had a way of finding out the requirements of their local trade (as well as of the cities nearby to which they could consign in case of an oversupply in their own locality), the trade would be on a business basis and in a better position to regulate prices.

A Florists' Board of Trade, with scope as suggested by Mr. Faust, would undoubtedly be of trade benefit. One or two reputable commercial men in each city, working in harmony, collating the statistics of the previous year's crop, the quantity sold and prices received therefor, could in this way obtain a gauge on the amount of stock annually sold and the total cash received therefor; against this would be set the cost of production, marketing, etc. From these facts and figures recommendations could be made for the Easter following, the production of stock to be governed accordingly.

This advice might look on the surface as a recommendation to form a combination, but we do not wish it to be understood that way as, apart from its probable illegality, in a business like ours there are too many free lances who could not be held in restraint; then again, in this business, the reputation of the individual grower will obtain for him an enhanced price as against the product of the less known or less experienced grower, in his own home market at least; probably as well in another market if he consigns thereto.

The point we wish to bring out is simply this: If the leading growers throughout the country will get together, prepare cost of stock and of growing same, and will let the trade generally know that a Lily bloom ready for the market is worth so many cents, that fact will establish a market quotation, and while there may be cuts made below the price so established, in the main it will hold, and the free lances will be just as eager to obtain this quotation after a season or two as the growers who stand together. Any attempt at absolute regulation of prices would have to be solely and wholly under what might be termed a "gentleman's agreement."

Mr. Faust's article is well worth reading, and we would recommend those who may not have perused it, to turn to page 666 of our issue of April 9 and read particularly that portion thereof headed "Marketing the Product."

Certain it is that there are few growers who have been prosperous up to this time who could be prevailed upon not to put up any more glass for some years to come. The tendency is there, and it will continue, for the reason that the trade is expanding right along and larger sales can be made yearly.

The great question is the proper marketing of the product so that it may be placed within the reach of all—rich and poor.

The Agitation for Parcel Post

Monday, April 25, is the date fixed for public hearings. If all concerned will pull together we prognosticate at least an opening wedge through the Rural Free Delivery System. This is by no means all we want, but if the trial is successful in the rural districts, universal Parcel Post will become a certainty within a few short years.

Secretary George M. Whitaker, of the Farmers' National Congress, is sending out the letter which follows:

"The post office has always been 'The People's Mutual Express Company,' but the high rate and the low weight imposed on merchandise by Congress, combined with its refusal to allow any indemnity whatever for the loss or damage to unsealed parcels in the mails, has hitherto kept this part of the service within very narrow limits.

"The postal merchandise traffic of 1907 amounted in number of parcels to only 1.12 per cent. in weight, 4.79 per cent. in number and 4.44 per cent. in revenue—of the total postal business of the year, to less than $8,000,000 out of a total of $183,000,000. In 1907 the average American family posted less than nine parcels, weighing less than 3 lbs., the postal revenue therefrom being about 50c. In October, 1907, the local merchandise mailed at 12 representative postoffices of Alabama weighed only 65 lbs.; at 16 offices of New Hampshire, 27 lbs.; at 14 offices of Oregon, Montana and Wyoming, 1 lb. each.

"On the 25th of this month the House Postal Committee of the 61st Congress enters upon a series of hearings to consider the extension of this service in accord with the public interests. The legislation resulting from these hearings will depend largely upon you. Please be present if possible; if not, then send us a letter giving your views on the transport of merchandise by the postoffice, to be used at the hearings.

"Under Mr. Hitchcock's Foreign Parcel Post Conventions, merchandise is posted to or from Italy to the United States, 11 lbs. for 79c.; from Austria, 11 lbs. for 86c.; from Germany, 11 lbs. for 81c.

"We ask for an equally extended and cheap domestic service."

Parcel Post hearings will be given by the U. S. House Postal Committee at the Capitol, Washington, D. C., beginning Monday, April 25, at 10.30 o'clock a.m.

The chairman of that Committee, Hon. John W. Weeks, favors the reduction of the postal rate on general merchandise. The Bennett Bill, H. R. 10762, reduces the 16c. a pound merchandise rate to the old 8c. rate of 1874; consolidates 1st, 3d and 4th class matter within city limits at 2c. for 4 oz., 1c. each additional 2 oz.; establishes a local service with all matter collected and delivered within a rural route in one class—parcels, 1x6x12 in., 1c.; 6x12x12 in., 5c.; 6x12x24 in., 1 cu. ft., size of the ordinary suitcase, 10c.; weight limit 25 lbs.; and as amended insures all mail matter against loss or damage in the mails, up to $10, without increase of postage on ordinary parcels; registered parcels, up to $50, on payment of the 10c. fee; up to their full value, for each additional $50, 2c.

Already popular in Congress, the Bennett Bill, 10762, needs only a widespread, clear and decided expression of public opinion in its favor to lead to its quick enactment into law.

The post office is our mutual express company. "Upon the extension of the postal service, more than upon anything else," said the Postal Commission of the 59th Congress, "does the social, political and economic development of the country depend."

A real, effective quick delivery Parcel Post will be of undreamed of value to the people at large. To no class of business men does it appeal more strongly than to the florist, the seedsman and the nurseryman. Under its beneficent action every wide-awake florist could double his retail business in short order. The present prohibitive rates practically bar small purchases of plants and flowers.

There can be conducted no campaign half as effective as that of writing personal letters to representatives in Congress and Senators as well as to the chairman of that committee. If we all remain dumb how can we expect our representatives to take an interest in our wants?

We ask every reader to write at least four letters, before April 25, to his representatives; it is this evidence of personal interest which counts. Use courteous language but be firm in your utterance and concise in your expressions as to the anticipated value of the service to your own particular needs. Parcel Post must win.

New Books

The Modern Carnation, How to Grow and Show It

By HAYWARD MATHIAS and P. SMITH. The Horticultural Printing Co., Burnley, England. Price 3s. 6d.

This book furnishes an interesting bit of reading dealing with the culture of the Carnation in England. Although our American methods differ widely with those employed across the water we find numerous points which agree with our methods and, also, much reading which gives food for thought through comparison. It is at

Four Winter-Flowering Sweet Pea Specialists

Anton C. Zvolanek of Bound Brook, N. J., and his three sons, all engaged in the work of production of fine varieties of Winter-flowering Sweet Peas. Photograph taken April 8.

once noticeable that the range of colors and types is extensive, yellows, picotees and variegated evidently being much in use.

The raising of Carnations abroad for show purposes and purely for the love of the flower is made evident by the reading of this book. While Carnations are raised largely in a commercial way it is stated that the lead is taken by amateurs and private gardeners.

The Carnation is pointed out also as an important show flower and it is interesting to the growers on this side to note the attention given to the staging. "Dressing" the blooms is one feature in particular which draws our attention. Here our exhibits are mainly carried out with commercial ideas; we do not consider a Carnation except from the standpoint of a profitable commercial variety. Abroad the blooms are "dressed" and "fixed" in any way which is possible to make the staging attractive. The use of board backs, where single blooms are shown, is interesting, but not likely to come into use to any extent on this side.

The subject matter on cross-fertilization is very interesting and the ideas there given are worthy the attention of our seedling raisers.

As regards the culture of the Carnation in England we find the methods in vogue in the two countries vastly different, the propagating and general treatment differing from our methods in many particulars. Pot culture is considered decidedly the better.

The so-called "Winter-flowering Carnation" is making rapid strides in England and it is a pleasure to the American Carnation grower to note that our varieties are giving such good results. DIANTHUS.

New Seedling Magnolias

With this I am mailing, under separate cover, a sample flower of my pink Magnolia stellata, a three-year-old seedling plant which has bloomed this year for the first time, and appears to be a strong grower, symmetrical in shape, and quite floriferous.

I have also several seedling plants of Magnolia Kobus, which bear flowers with from 12 to 15 petals each, in the manner of Magnolia stellata. In other respects it resembles the typical Kobus; but this very attractive variation from the type gives it an added interest.

I observe that the old plant of Magnolia stellata shows a rather more than usual amount of pink tint on some flowers, and its delightful fragrance has been, if possible, more than usually delicate and delicious this Spring.

Morrisville, Pa. SAM'L C. MOON.

—The samples Mr. Moon sent were received and, though badly faded, the stellata seedling showed a decided pink color. If we understand aright that there is pink color both inside and outside of the petals it will be a very distinct variety and a valuable addition to the present list of these popular shrubs. The ordinary M. stellata has a light pink color in the bud, which it loses when the flower expands. This season the buds were more colored than usual, and the fragrance of the flowers more than usually agreeable, as Mr. Moon found it, too.

The double-flowered M. Kobus will become much called for, we should say. The common one bears but six petals. One with 12 to 15 petals is very different.

An interesting fact to the writer is that Mr. Moon raised the pink stellata from seed, as he (the writer) has never seen a seed pod on a stellata, though familiar with the species since its introduction. Will Mr. Moon say if bearing seeds is common with his bushes? M. Kobus is a prolific seed bearer, the pods being always of grotesque forms. JOSEPH MEEHAN.

Laying Out Formal Beds

We have received, from Dr. Landmann of Berlin, samples of his invention, having as its purpose the assistance of gardeners in laying out geometrical and other designs in their flower beds. The device consists of sheets of tissue paper, on which the various designs are marked by rows of Cress seeds which are stuck to the paper with an adhesive liquid. In the case of a large symmetrical design the sheet of paper should be spread over the bed and a little fine soil sprinkled over the paper to keep it in place. In the course of a few days the Cress seeds grow and mark out the lines the planter is to follow. Having planted his bed, the Cress may be pulled up. It is obvious the tissue must not be spread upon the bed many days before the cultivator wishes to plant his design. The inventor states that his designs may be used in the veranda, balcony, or even window sill, or in dishes or plates, provided the tissue of seeds is attached to a sheet of pure wood pulp impregnated with salts. A specimen we have placed upon a plate and merely watered shows conclusively that all the seeds gummed to the tissue may be depended upon to grow. The invention is certainly ingenious and its use will save time, particularly where beds of intricate designs have to be laid out.

We have a few sample sheets in this office which we will send out, one to each applicant, so long as they run out, asking in return an expression of opinion.

Proposed G. A. R. Boycott of Florists

In your last issue I notice the statement, at page 661, that Post 88 of Pittsburgh, Pa., is considering a plan to use artificial flowers on the graves on Memorial Day, on account of the exorbitant prices charged by florists for natural plants. Such a change is not thought of here, there being no dissatisfaction with the florists' charges at all; in fact, the generosity of the trade in this respect has gained them much regard.

In former years it was the custom of Ellis Post, No. 6, of Germantown, Philadelphia, to place bouquets on the grave, but it has been found that cut flowers for the purpose are becoming scarcer, and so pot plants are now used to a great extent. Instead of boycotting florists this Post recognizes both florists and nurserymen as their best friends. Wagonloads of cut shrubs are given it free, with great pleasure, as well as many pot plants coming from schools, through purchases by the scholars. Although this one Post decorates about 1200 graves I do not think it costs it a single dollar for its flowers. Instead of our florists charging high prices to the Post one has merely to say "Grand Army" when in some of their establishments to walk out with an armful of plants free. JOSEPH MEEHAN.

The Late Mrs. Maggie S. Vesey

Best Fertilizing Material for Flowering Plants

Prof. Fondard of the Dept. of Agriculture, province of Basses-Alpes, France, who has been engaged for some years in researches as to the demands of flowering plants for fertilizing material, has just received from the French National Society of Agriculture a subvention to enable him to continue his experiments. The results of his work, so far, are summed up in a report published by the Revue Horticole, as follows:

"Flowering plants in general demand chiefly nitrogen and potassium, absorbing relatively little phosphoric acid. This may explain why agriculturists give preference to stable manure and cesspool matter. However, the excessive use of organic manure predisposes certain of the cryptogamic plants to rust and other diseases which have destroyed entire plantings. And again it happens, as at the Cap d'Antibes (So. France), that certain soils have become infertile owing to the repeated application of these two kinds of manure in too large quantities.

"Sesame cakes (manufactured from an East Indian annual) have come into use within the last few years. But horticulturists should learn to substitute mineral fertilizers in part for the organic substances, as these salts furnish well balanced nourishment for plants of rapid growth.

"In the plats under observation, the most concentrated and the most soluble materials yielded the best results. The double superphosphates should be used for the phosphoric acid, sulphate of potassium for its potash, and nitrate of soda for its nitrogen. Chloride of potassium has often proved dangerous.

"On Marechal Niel Roses the superphosphate 16/18 with a dose of 8 kilos (17 3/5 lbs.) to 20 square metres (220 sq. ft.), nitrate of soda at 3 kilos (6 3/5 lbs.) and sulphate of potash the same amount, have produced excellent results, both from the point of the quantity of Roses obtained and the development of wood for cuttings."

DOUBLE STOCKS.—Superstition is inseparable from Eastertide even in the matter of planting flower seeds. In Bolin's edition of Brand we read that in Gloucester it is, or was, believed that if Stock seed were sown on Palm Sunday the blossoms "would be sure to come double." A similar belief attaches in some places to the sowing of Stock seed on Good Friday; while in some parts of France it is customary for the women to take to church on that day in their pockets seeds of Stocks mixed with earth, which they shake up during the singing of the "Stabat Mater," believing that by this means double flowers will be ensured!—*Journal of Horticulture.*

Mrs. David A. Spear

Mrs. Laura J. (Cook) Spear, wife of David A. Spear, died at her home, 91 Wethersfield ave., Hartford, Conn., April 7. Death came suddenly, the heart having been affected. Mrs. Spear had long been an invalid, but was apparently as well as usual when Mr. Spear left for his place of business early in the afternoon. Mrs. Spear was born in Hartford, July 12, 1849, daughter of the late Hezekiah S. and Eliza Chapman Cook. She was a member of the South Park Methodist Church, having joined soon after it was organized. Besides her husband she leaves a brother, Edson Cook; one daughter, Grace, wife of Richard C. Lincoln, secretary of Charles G. Lincoln & Co., and one grandchild, Laura Lincoln.

Mrs. Maggie S. Vesey

Mrs. Maggie S. Vesey, wife of Judge W. J. Vesey of Fort Wayne, Ind., dropped dead in a street car on Friday evening, April 8, while on her way to a theater. She had shown no sign of illness, and had attended a social function earlier in the afternoon.

Mrs. Vesey was a daughter of the late Judge Studebaker of Decatur, Ill. In 1882 she was married to Judge Vesey, and became the mother of six children, three boys and three girls. Through a love for flowers which she shared with her husband, she in 1892 formed a partnership with him under the firm name of W. J. & M. S. Vesey, built a small commercial plant, and grew a variety of cut flower stock, largely for wholesale. The business prospered and the plant was added to until today the establishment comprises 150,000 sq. ft. of glass. A year or two ago a handsome retail store was opened in Fort Wayne.

The deceased lady was extremely popular in florists' circles, and was the first president of the Ladies' S. A. F. With her husband, who is a director in the S. A. F., she attended all the conventions and made a wide circle of acquaintances.

One of the largest funerals ever held in Fort Wayne, was that of Mrs. W. J. Vesey on Tuesday afternoon, April 12, hundreds of her friends and neighbors attending. Her large and commodious residence was full to overflowing, and the spacious lawn surrounding the house was literally covered with people. Flowers were sent from St. Louis, Mo., Richmond, Ind., Indianapolis, Chicago, Denver, Col., Detroit, and other places. The Ladies' Society of American Florists, of which Mrs. Vesey was the first president, sent a beautiful wreath of Roses and Lily of the Valley. Several carriages were necessary to convey the flowers to the cemetery. Among her florist friends who were in attendance were Mrs. Chas. H. Maynard, secretary of the Ladies' S. A. F., and Mr. Maynard of Detroit, W. N. Rudd and Geo. Asmus of Chicago. C. H. M.

The death of Mrs. W. J. Vesey is keenly felt by Indiana florists. They feel that floriculture has lost one of its staunchest supporters. She had gained by her forty-seventh year a reputation as a florist that any of the craft would be honored to bear. Nothing but sincere and honest effort could have culminated in a career such as hers. Mrs. Vesey seemingly found time for everything. Aside from being a splendid mother of a large family, she was prominently known in Fort Wayne's social circles. She will be missed at the many gatherings of florists which she regularly attended for many years. To Judge Vesey and children is extended the sincere sympathy of their many Indiana florist friends. I. B.

Greenhouse Construction and Heating

Copyright, 1910, by A. T. De La Mare Ptg. & Pub. Co. Ltd.

By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article III

Form and Size of House

The forms of houses are generally classed under the following heads: Even span; three-quarter span; shadeless ridge; ride and furrow; and side hill houses. All these divisions have in themselves several sub-divisions.

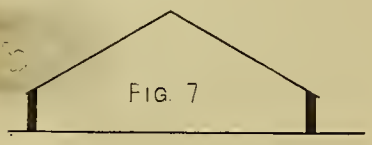
The Even Span House

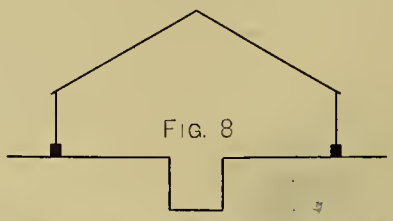
The even span house, or, as it is sometimes called, the span house, is constructed with the eaves on both sides of the house the same height above grade, and the ridge in the center of the house. Figs. 7, 8 and 9 show three forms of this type of house.

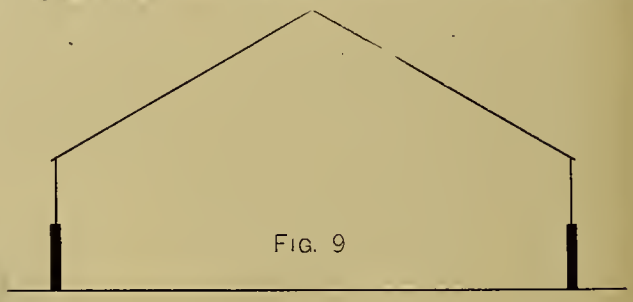
Fig. 7 shows the first or crudest form of an even span house, with the eaves of the house raised about 18″ or 2′ from the grade, between the eaves and the grade being solid wood supported on posts. This type of house is generally constructed with ordinary hotbed sash and is only used for the cheaper grade of stock and where it is grown on the ground.

Fig. 8 shows a further development of this idea, with the exception that the side of the house between the eaves and the grade is furnished with glass and a center walk is provided by excavating; the crop is grown in solid beds at the sides. This type is also confined to a class of crops that will not require much heat and that in growth will be of low height.

Fig. 9 shows what is considered to be the regular type of even span house today. The sides of the house, from the eaves to the grade, vary from 4′ 6″ to 9′ high. The wood or concrete sidewall extending to the sill is about 2′ 6″ above grade. From this point to the eaves the house is furnished with glass either in the form of solid glazing or side ventilating sash. The size of the house is only limited by the requirements of the crops to be grown.







The Three-Quarter Span House

Figs. 10 and 11 show two forms of the three-quarter span house. Fig. 10 shows the usual type of house, in which the front or south wall is generally about 5′ high, and the rear or north wall about 8′ or 9′ high, thus bringing the long slope to the south. However, for certain crops some growers in the past have favored placing the long slope to the north, although the advocates of this type are, it is believed, fast decreasing.

The three-quarter span type of house has been used many years, successfully, for Rose growing. The ridge of the house is located about two-thirds of the width of the house from the south wall.

Fig. 11 shows an extreme construction of this type of house, where the ridge is carried back so as to give a very steep slope to the glass on the north side. There is no advantage to be obtained from this, as far as can be seen; on the other hand, there is a considerable disadvantage in the fact that the bars on the south side of the house must be extra long.

Both these types of houses have been constructed with raised benches on the north side, the rear benches being operated from raised walks.

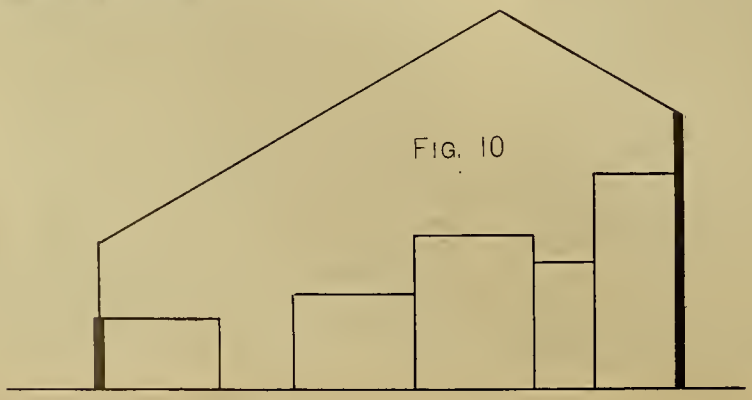
There is a difference of opinion among growers as to the advisability of placing glass on the north side of the house between the bench and the eaves, but quite a number think there is a considerable advantage in this, notably in the matter of light, which more than offsets the loss of heat. Many growers who formerly constructed their houses with a solid wall on the north side extending from the grade to the eaves have in more recent constructions placed about 24″ of glass below the eave line.

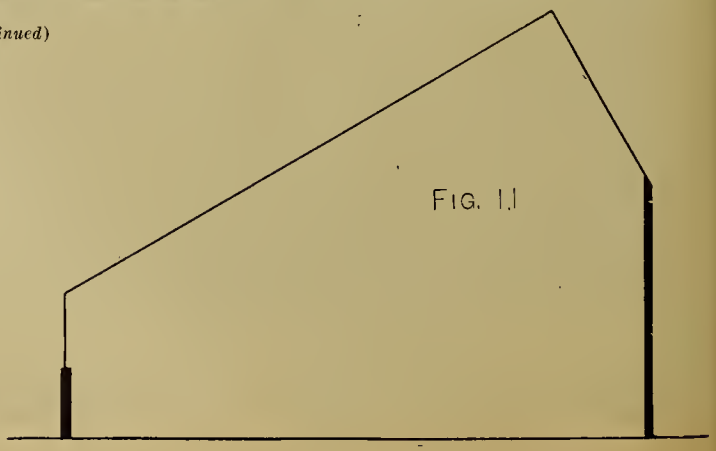
As previously stated, these houses are generally constructed with raised or step benches, so as to bring the bench on the north side as close to the glass as the benches on the south side; but it has been found that these raised benches have certain disadvantages. One disadvantage is in the operating of the plant, such an arrangement adding considerably to the amount of labor required, and owing to this benches on the same level are to be preferred.

In the matter of growing it is also found that the raised benches come so close to the ventilators that if in muggy weather any ventilation is given the plants suffer from the cold, moist atmosphere dropping directly on them. It has been found that under such conditions the plants in the lower benches give much better results, and for this reason many growers have lowered their benches, finding that even in a house constructed on the three-quarter span lines the north benches on the same level as the south benches gave practically as good results. If the glass was carried on the north side to the level of the benches, so as to give the additional light, the opinion is that these benches would give as good results.

In talking with a large grower, who has operated for many years a range of three-quarter span houses, he stated that from his experience in the matter of Rose growing an even span house was much better than a three-quarter span house. He has experimented so far by extending one of his three-quarter span houses to the north, so as to make it an even span house, and finds that the results obtained are, everything being considered, better than with the three-quarter span house. He has, therefore, decided to change all of his three-quarter span houses in the same way and thus not only increase the growing space in the range but make the plant easier to operate and put to good use quite a lot of ground between the houses which now goes to waste. The success met in this direction is proof that the old theory that the benches nearest the glass give the best results has no real foundation.

(To be continued)





American Pomological Society

The American Pomological Society passed its sixty-second milestone at the time of its last meeting in St. Catharines, September, 1909. The formal meeting which brought this historical horticultural organization into existence was held in New York, in September, 1848, although that meeting was preceded by a preliminary conference held by those interested in the organization, some time previous, in the city of Buffalo.

Thirty-first Biennial Report

The report of its thirty-first biennial session is now going through press and will be distributed to its members in a few weeks.

In view of the many inquiries regarding the scope and purposes of this Society, the secretary makes the following statement:

The Society is non-sectional, and is as comprehensive in its aims as the broadest interests of fruit growing demand. Its purpose is to co-ordinate, unify and further the interests of the various horticultural societies by stimulating the best methods of culture, popularizing scientific advances, and urging the planting of varieties characterized by high quality.

Membership

The Society has no limitations in regard to membership. It is open to the amateur as well as to the commercial grower of fruits, to the nurseryman as well as to the orchardist. The fees are light, being two dollars for the biennial two-year period. The reports are exceedingly valuable as well to the teacher as to the practical fruit grower.

Life membership in the Society is of two kinds: to institutions, it is secured for a thirty-year period on payment of a twenty-dollar fee. Individuals may secure life membership on payment of the same fee. In addition to the forthcoming reports, the Society gives each life member on entering, copies of as many of the back volumes of the Transactions as are now available. These are becoming rare and consequently valuable.

Worthy New Fruits

The Society is of special interest to the fruit breeder. It promotes development of improved varieties by offering prizes for distinctly worthy new kinds. To this end it maintains a committee whose duty it is to examine and report on new originations and make such recommendations as in their judgment are appropriate. One of the earlier presidents of the Society, the late Marshall P. Wilder, left a small fund which is used to provide silver and bronze medals to be awarded to originators of worthy new fruits.

Officers

President, L. A. Goodman, Kansas City, Mo.; secretary, John Craig, Ithaca, N. Y.; treasurer, L. R. Taft, East Lansing, Mich.; executive committee, C. L. Watrous, Des Moines, Ia.; W. C. Barry, Rochester, N. Y.; C. W. Garfield, Grand Rapids, Mich.; G. L. Taber, Glen St. Mary, Fla.; W. T. Macoun, Ottawa, Can.

New York Florists' Club

A regular meeting of the New York Florists' Club was held at the club rooms, Grand Opera House Building, 23d st. and Eighth ave., on Monday evening, April 11, with a large attendance. President Miller occupied the chair.

Walter F. Sheridan, chairman of the committee having in charge the arrangements for the Club dinner held last month, made a report showing a slight deficit which, on motion, was ordered to be supplied from the treasury. In the report, the committee acknowledged with thanks the aid of Charles A. Dards, A. L. Miller, A. H. Langjahr and Henshaw & Fenrich, in furnishing supplies for the decorations. There were 261 present at the dinner, of which number 48 were members of the American Rose Society and the guests of the Club for that evening. The committee was, on motion, discharged with the thanks of the Club.

W. H. Siebrecht, Jr., secretary of the joint committees of the New York Florists' Club, the New York and New Jersey Association of Plant Growers, and the New York and New Jersey Market Florists' Association, made a report for his committees on the subject of the proposed plant and flower market in New York City. He reported that the city realized that there was no plant market actually in existence and that the metropolis was in need of one. The committees had had an interview with Sidney H. Goodacre, superintendent of markets of New York City, who offered the space under the Queensboro Bridge, at 59th st. and First ave., for market purposes. This space was 170x275 ft. in area, and varied in height from 40 to 60 ft. The floor, he said, was already cemented and the columns and ceiling were tiled. A side and one end were enclosed and the other side and end were arched between columns. The city officials had expressed a willingness to enclose the openings with glass, also to put down floors for offices, etc. There was a space outside of about the same area as that under the bridge, which could be used for wagons, and there was a sidewalk, 65 ft. wide, which could be used for display at Easter and other holidays. The necessary heating would be supplied by the city. Mr. Goodacre had explained that he had no direct proposition to make from the city, but as soon as he heard how many people would be willing to take stands something practical would be the immediate result. It was said that the site should be at all times a public market under the control of the city, and stands would be built to conform with official ideas, and of a kind used in the other city markets. The fees for the stands would be started at the usual market rate, subject possibly to slight increases, but at the outset they would not be more than $2.50 per week for a space 8x20 ft. or 15x15 ft. Members of the Associations could take stands in quantity as they saw fit, and could sub-let them if they wished to do so, although transfers would have to be under the direction of the Comptroller. Mr. Siebrecht hoped that the proposition would be taken up at once, as the park authorities were after the site for playground purposes, although the neighborhood was not noted for the number of children it contained. It was suggested that a petition be signed by the florists which should show their desire for the site as a market, and there was no doubt but that it would be placed at their disposal.

A very interesting discussion followed the report. John Birnie said that, as far as the plant growers were concerned, the quicker they got into a place like the one suggested, the better. Referring to the present market at West and Canal sts., he thought the best plan would be that the city tell the growers using that market to get out, and there would be little trouble in collecting them again at the new market.

J. B. Nugent, Jr., also spoke in favor of the market and thought that if the florists took it now there would be little difficulty in effecting arrangements whereby they would have it for all time. He thought the occupancy of the quarters by the florists would tend to make a beauty spot of that end of the bridge and he believed that this idea was in the minds of the city officials.

Wm. Elliott pointed out the fact that the plant proposition covered only a period of three months or so. "What need," he said, "would there be of a plant market in July, August and September, for instance? Who would take care of the market in those vacant months?"

Mr. Birnie said that no doubt Mr. Elliott was right as far as his ideas went, in view of present conditions, because there was no place to sell stock at any other time; but if the growers had a place properly heated there was little doubt but that there would be plants in the market for sale the year round, just the same as in other cities. Anyway, he thought, as long as the growers paid their stand rents there should be no room for complaint. He had no doubt whatever that people would buy plants all the year round if they were offered for sale.

James Dean said the report from the committees was most interesting and that the offer made by the city was a golden opportunity for the florists within a radius of 20 to 30 miles of New York, and if they let it go they would make a great mistake.

F. R. Pierson entered the discussion with figures as well as facts. He said that he had figured out the proposed minimum rentals with the rentals paid in the city of New York for lofts, which were 60c. a square foot, and the proposed rentals would average much less, which he thought was a fair deal and based on the real estate values in desirable localities. He also commented on the relations between buyer and seller as they existed today. He believed that when prices went down the consumer should get the advantage of them and thus the general market would be widened. He believed, with others, that the whole matter of selling flowers in New York was going to be revolutionized. There was too much difference between the prices the grower realized and those the consumer paid. He thought that a wider market would be one of the solutions for the glutted market problem.

Mr. Nugent agreed with Mr. Pierson and said that at holiday times the growers should not exact such exorbitant prices as they did. The retailer could never afford to sell anything around holiday time at prices which might be considered reasonable and was forced to drive away much of his trade; there should be a maximum price set on flowers beyond which they should never go.

Some of the speakers looked upon the market proposition as a questionable one, and expressed the opinion that the city would get the florists to locate there and ultimately withdraw the privileges granted. Mr. Siebrecht said this was a wrong idea. It was the object of the city to establish a permanent market; the site covered an entire city block and a guarantee would be obtained that it should be a market for all time. If florists did not grasp this opportunity they were not likely to have any site presented. If the city were to grant a site in any other part of Manhattan they would have to put up a building. In this case the city was willing to fit up the site in any manner desired to accommodate the florists, supply the heating, furnish the stands and would allow the florists to make their own rules, subject to the approval of the Bureau of Public Markets.

Patrick O'Mara expressed the opinion that the proposition was a most desirable one and it was necessary that some action be taken in the matter by the Club, in conjunction with other associations. He did not see that the Club could do anything in particular beyond openly endorsing the proposition. It was a plain business offer to those who were most concerned. For many years the growers and others had been bewailing the want of an opportunity to dispose of plants in New York City. Cut flowers, no doubt, would come as a secondary consideration. In all the important European cities, and in many large American cities, there were plant markets and the plants were sold the year around. It seemed to him that New York should have a similar market. The proposition now under discussion was the best the florists had ever had and he thought the best thing to do would be to call all the interested parties together and get the proposition into business shape.

Mr. Dean thought if somebody in authority should say that the Spring street market would be done away with next year there would be a prompt exodus to the new quarters, once they were secured. All trades were advancing in their methods of doing business and it was a safe bet that the florists were going to advance also.

Mr. Elliott, in commenting on the idea expressed that the city could withdraw the present privileges enjoyed in the Canal st. market, stated that that idea was erroneous, as the spot was under title set apart for market purposes.

Mr. Siebrecht said this supposition was wrong. He had had occasion recently to look up the title to that market and found the city could use it for any purpose it pleased, as a street cleaning depot or otherwise. In the present negotiations it was not a case of the florists going to the city, but of the city coming to the florists. The Comptroller wished to have a flower market at the Queensboro Bridge and he had said, "Bring in your petitions and let us know what you want and we will set aside a location for you." It was quite necessary that some speedy action should be taken.

C. H. Totty said that to cover the matter he would offer the following resolution: "Resolved, that the New York Florists' Club, as a body, endorses the movement to have a plant market at Queensboro Bridge, and asks such of its members as are interested in the movement to collaborate with members of other associations practically interested, with a view to completing plans for the arrangement of such market." The motion was carried unanimously. It was subsequently arranged that a special meeting of the Club be held in the Club's rooms on Monday evening, April 18, to which the other associations interested should be invited, with a view to immediate action in the matter.

Charles Krick of Brooklyn and C. McTaggart, 123 Warren st., New York, were elected to membership in the Club; J. W. Merritt and J. F. Weir of Brooklyn, and T. Mellstrom of New York were nominated for election at the next meeting.

Secretary Young expressed his thanks for the kind telegram sent him by the Club at its last meeting and for the vacation which they had granted him. He then read a letter from Hitchings & Co. of New York in which they offered a silver cup, valued at $25, for competition in some line under the auspices of the Club, such competition to be in any direction the Club should decide. The firm also offered to make such a cup a yearly contribution. On motion, the secretary was directed to convey the thanks of the Club to Messrs. Hitchings for their gift, and the matter was referred to the exhibition committee.

A letter was read from Professor L. B. Judson of Cornell University calling attention to the fact that there was a bill now pending before the State Legislature appropriating $50,000 for the building of modern greenhouses for experimental use at the University, and asking the support of the Club in the movement to obtain passage of this bill. On motion of H. A. Bunyard, the secretary was instructed to write the chairman of the committee on ways and means, with an endorsement by the Club of such project.

F. R. Pierson in speaking to the motion said the idea of building the greenhouses was a most laudable one, and he thought the florists should use their best efforts to obtain such legislation. Cornell University wanted to do something for the florists which the florists at present were not able to do for themselves. It was a happy day for tradesmen when colleges were willing to help them along commercial lines. William C. Rickards also spoke in favor of the bill.

Frank H. Traendly called the attention of the meeting to the proposed S. A. F. convention at Rochester and suggested that it was not too early to appoint a committee on transportation to Rochester next August and moved that such a committee be appointed. The motion being carried, President Miller appointed Mr. Traendly, Sec. Young and H. A. Bunyard as such committee.

Mr. Pierson was then invited to address the meeting, and in an informatory way told of what had been done in the matter of arrangements for the Rochester convention. He said there had recently been held in Rochester a very satisfactory meeting of the executive board, every member being present during a session lasting several days; one member of this committee had come all the way from Denver, Colo. Rochester had hotels as fine as any in the country. The sports would be pleased to know that there were big alleys for bowling, large enough to accommodate anything in the way of a bowling tournament. The convention hall and exhibition hall were the finest he had ever seen anywhere, and both exhibition and meetings could be held under one roof. It looked as though Rochester would present the best facilities for the S. A. F. convention that had ever been presented. Rochester was a very pleasant city in the Summer time and was a most enjoyable place for a visit. It was hoped that the Society would accomplish many things this year which would make the meeting memorable. The National Flower Show would naturally be an important topic for discussion at the meeting. The subject of glass output control by a trust was brought up. The committee could not see any excuse for doubling the price of glass within 12 months and wanted to see whether something could not be done to dissolve what appeared to be an illegal organization and this could only be done with united effort. He thought the appointment of a transportation committee at this time could be considered as an assurance of a big crowd from New York.

Mr. Birnie wanted to know whether the committee had made any inquiry in regard to the drinking water at Rochester. He said it was a very imporant question as many visitors to previous conventions had suffered through drinking bad water.

A. C. Zvolanek of Bound Brook gave a short account of his recent visit to California and stated that he had called on Rudolph Fischer and W. N. Campbell, both well known to New York florists, and on Edwin Lonsdale, late of Philadelphia. He remarked, incidentally, that he had seeded down about 200 acres with his Christmas flowering Sweet Peas in less than three weeks and hoped soon to reap his harvest of seed.

J. H. Pepper called the attention of the meeting to the reported sudden death of Mrs. Vesey, wife of Judge W. J. Vesey of Fort Wayne, Ind., a lady who was well known to most members of the Club, particularly those who with their families attended the S. A. F. conventions. He moved that a committee be appointed to draw up a resolution of sympathy to be forwarded to Judge Vesey. The motion was carried and President Miller appointed J. H. Pepper, Robert E. Berry and J. A. Shaw a committee to draw up the memorial.

EXHIBITION

There was quite an interesting exhibition made before the Club. Louis Dupuy of Whitestone, L. I., N. Y., exhibited two fine specimens of new Hydrangeas. Hortensia Lorraine was a beautiful light pink with florets about the size of silver dollars. Hortensia Avalanche was a beautiful snow white variety and it was said it was just as good a keeper as H. Paniculata. Both plants shown were in bloom and fit for sale on March 20. For H. Avalanche Mr. Dupuy was awarded a certificate of merit.

E. Fardell, gardener to Mrs. A. N. Booth, Great Neck, L. I., exhibited two handsome vases of Queen Alexandra and Empress Elizabeth Stocks. For the variety Empress Elizabeth he was awarded a certificate of merit. He also showed a vase of Anemones of the Persian varieties purpurea, La Citronniere and Mars, for which general exhibit he was awarded a vote of thanks.

Kessler Bros. of New York showed two plants of a new Fern, a sport from Nephrolepis Scottii, for which they received a certificate of merit.

Hydrangea Hortensia Lorraine
Grower, Louis Dupuy, Whitestone, N. Y.—See p. 703.

Spring Show of the Pasadena Gardeners' Association

The Spring flower show of the Pasadena Gardeners' Association was held March 31 and April 1-2, in two immense tents. The weather was ideal, the typical southern California variety—clear sky, balmy atmosphere, and no wind to raise the dust. Heat accumulates rapidly in a tent when the sun shines, and because of that fact the atmosphere was too warm for comfort the first two days; moreover, it was hard on the cut flowers because of the high temperature and low relative humidity, which the records at the weather bureau of Pasadena showed to be 28 per cent. at the noon reading.

A peculiar feature of these shows is that all exhibits are from the gardens, outdoor grown plants and cut flowers, excepting the Orchids of Mr. A. K. Macomber, a private grower of this beautiful class of flowers. Mr. Macomber has the financial ability and the disposition to keep his collection of Orchids up to the highest type of excellence by keeping in his employ an Orchid grower of unusual skill and, withal, so modest that it is a pleasure to meet the man and a delight to see the perfect specimens of both plants and flowers which he grows—his name is Roderick McKenzie. At this show he exhibited fifteen fine specimens, two of which were very conspicuous: Lælia superbiens, the flower stem of which was six feet in length; and Cattleya citrina, a beautiful lemon colored variety with a white tip on the lip. The color of the latter Orchid is very pleasing indeed.

One of the mysteries to me in connection with cut flower growing at this end of the State, for commercial purposes, is why some one has not engaged in growing Orchids for the local trade, when the flowers retail at $1.50 to $2 each. All the flowers sold here come from the north, yet Mr. McKenzie demonstrates that they can be successfully grown in this dry climate.

That eastern readers of these notes may have some idea of the great variety of plants in bloom at this season of the year, I made a note of those on exhibition: Tulips of the late flowering sorts, with stems 20 ins. in length; Hyacinths; Sparaxis; Ixias; Freesias; Watsonias; Iris in great variety; Narcissus of the trumpet varieties; Ranunculus; Anemones; Scillas; Alliums; the malodorous Amorphophallus Rivieri; Gladioli; Triteleias. Of annuals: Stocks; Scarlet Flax; Pansies; Petunias and Verbenas. The single varieties of the Petunia and the Verbena are perennials in this climate, so also is Sweet Alyssum.

I made a collection of a few of the flowering shrubs and vines in bloom at this time; the list exceeded one hundred specimens, which were catalogued. The names, both common and proper, and nativity, were given, that the student of plant life might learn the names of the great variety of plants we grow here. Careful observation, covering a period of five years, in this feature of the flower show leads me to the conclusion that twenty-five per cent. of the patrons of shows are sufficiently interested in these collections to study them carefully, and leave with a feeling of satisfaction and that the time and money spent attending these exhibitions have been profitable.

Another peculiar feature of the Pasadena flower shows is that nurserymen are debarred from the premium list. Only private gardeners may compete, and the result is that few nurserymen make any attempt at an exhibit. At this show there were but five such, two of them Japanese; D. W. Coolidge, our specialist in novelties, and Robert Pegg, both of whom had exhibits that were a credit to them.

One of the Jap firms displayed skill in the arrangement of his exhibit. There is one peculiarity about all Japanese nurserymen, at this end of the State at least, which does not lend itself to successful gardening here, and that is they cling to the methods and plants peculiar to Japan, with its humid atmosphere, wholly, or almost so, unsuited to our peculiar climate.

The one commercial firm which had an exhibit of wonderful beauty was Howard & Smith of Los Angeles. I have had occasion to refer to this firm of young men a number of times before, and shall do so in the future, for the reason that they merit it all. This time they surpassed any previous attempt at making a display, and it is O. W. Howard of the firm who executes these marvelously beautiful designs. The picture of this exhibit may give the reader a general idea of it, but really does not, indeed cannot show the beautiful contours of the little hill and the pleasing combinations of plants, Japan Maples, evergreens, rockwork and moss-covered pergola. At 4 p. m. on Wednesday, March 30, teams began hauling dirt into the tent, and by noon of the next day the exhibit as shown was completed; and to make it thoroughly realistic a gopher began his work on the side of the mound the second day, to the astonishment and delight of the visitors. The plants being in pots and boxes there was no danger of his cutting their roots, therefore he was left to his work undisturbed.

In this, as in all past exhibitions of the Association, exhibitors were not compelled to have their plants labeled and, as in every previous instance, many of them were too careless to do so, to the disappointment of many patrons who attended with the purpose of learning the names, of Roses especially.

These shows are held without any guarantee fund previously secured to meet any possible financial loss in current expenses, and for this reason the Association is handicapped by the fear that it may be called on to meet a deficiency, and moves with caution in contracts, which is the reason why the exhibitions do not measure up to that standard of excellence which is possible in and may reasonably be expected of southern California.

P. D. BARNHART.

Hydrangea Hortensia Avalanche
Grower, Louis Dupuy, Whitestone, N. Y.—See p. 703.

Retail florists are invited to send us items of trade interest for publication on this page; clear photographs of good designs will also be appreciated. These latter should always be packed carefully between boards.

Exhibit of Howard & Smith at Pasadena (Cal.) Flower Show

Combination Business and Pleasure Auto

Combination Business and Pleasure Automobile

I am sending you a photograph of my automobile delivery wagon showing the way it is used for Winter. For Spring use I put on an open body; after the bedding season we put on the regular touring body. The covered body was taken off a small wagon and fitted at a small cost. I find that there is not much more cost in running this machine than in keeping a horse and it does the work in one-third of the time. It is a Ford machine and we are very much pleased with it. This note may be of use to florists who cannot afford to run both a horse and an automobile. As a combination delivery and pleasure craft it is a great success with me.

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From New York	Sailing Day	Hour	Pier	Destination
Cacronia	Apl 16	10.00 am.	W. 14th St., N. Y.	Liverpool
St. Louis	" 16	10.00 am.	W. 23rd St., N. Y.	Southampton
Barbarossa	" 16	11.00 am.	3rd St., Hoboken	Naples-Genoa
Vaderland	" 16	11.00 am.	W. 18th St., N. Y.	Antwerp
K. Aug. Victoria	" 16	12.00 m.	1st St., Hoboken	Hamburg
California	" 16	12.00 m.	W. 24th St., N. Y.	Glasgow
Baltic	" 16	12.00 m.	W. 21st St., N. Y.	Liverpool
Cretic	" 16	12.00 m.	W. 21st St., N. Y.	Gibrar-Naples
Duca d' Aosta	" 16	12.00 m.	W. 34th St., N. Y.	Naples-Genoa
La Gascogne	" 16	3.00 pm.	W. 44th St., N. Y.	Havre
Sao Giovanni	" 16		Pier 22, Bklyn	Napls-Palrmo
K.W. der Grosse	" 19	10.00 am.	3rd St., Hoboken	Bremen
Rotterdam	" 19	10.00 am.	5th St., Hoboken	Rotterdam
Moltke	" 19	2.00 pm.	1st St., Hoboken	Naples-Genoa
Indiana	" 19		Bush Dks. Bklyn	Naples-Genoa
Madonna	" 19		Pier 33, Bklyn	Naples
Lusitania	" 20	9.00 am.	W. 14th St., N. Y.	Liverpool
Oceanic	" 20	9.30 am.	W. 21st St., N. Y.	Southampton
Ancona	" 20	12.00 m.	W. 34th St., N. Y.	Naples-Genoa
Alice	" 20	1.00 pm.	Bush Dks. Bklyn	Napls-Trieste
Russia	" 20		Bush Dks. Bklyn	Rotdam-Libau
Bleucher	" 21	9.00 am.	1st St., Hoboken	Hamburg
La Touraine	" 21	10.00 am.	W. 15th St., N. Y.	Havre
Furnessia	" 23	9.00 am.	W. 24th St., N. Y.	Glasgow
Minneapolis	" 23	9.30 am.	W. 16th St., N. Y.	London
Celtic	" 23	10.00 am.	W. 21st St., N. Y.	Liverpool
New York	" 23	10.00 am.	W. 23rd St., N. Y.	Southampton
Pres. Lincoln	" 23	10.00 am.	1st St., Hoboken	Hamburg
Berlin	" 23	11.00 am.	3rd St., Hoboken	Naples-Genoa
Laplaud	" 23	11.00 am.	W. 18th St., N. Y.	Antwerp
Re d' Italia	" 25		Gr'nd St., Jer. Cy	Genoa
Kronpr'n Cecilie	" 26	10.00 am.	3rd St., Hoboken	Bremen
Ryndam	" 26	10.00 am.	5th St., Hoboken	Rotterdam
Europa	" 26	12.00 m.	W. 34th St., N. Y.	Naples-Genoa
Campania	" 27	9.00 am.	W. 14th St., N. Y.	Liverpool
Majestic	" 27	9.30 am.	W. 21st St., N. Y.	Liverpool
Laura	" 27	1.00 pm.	Bush Dks. Bklyn	Napls-Trieste
Toronto	" 27		6th St., Hoboken	Hull
La Bretagne	" 28	10.00 am	W. 15th St., N. Y.	Havre
Cincinnati	" 28	11.00 am.	1st St., Hoboken	Hamburg
Zieten	" 28	10.00 am.	3rd St., Hoboken	Bremen
Ultonia	" 28	12.00 m.	W. 14th St., N. Y.	Napls-Trieste
Oscar II	" 28	2.00 pm.	17th St. Hoboken	Copenhagen
Florida	" 28		Bush Dks. Bklyn	Naples-Genoa
Minnetonka	" 30	9.30 am.	W. 16th St., N. Y.	London
St. Paul	" 30	10.00 am.	W. 23rd St., N. Y.	Southampton
From Boston				
Hesperian	" 19	6.00 am.	Mystic Whf. Char	Glasgow
Cymric	" 19	5.00 pm.	B&H Dks, E. Bos	Liverpool
Magentic	" 26	12.00 m.	B & M Dks, Char	Liverpool
Numidian	" 28	11.00 am.	Mystic W'f Char	Glasgow
Lazio	" 29		Clyde St., E. Bos.	Naples-Genoa
Cambrian	" 29	2.00 pm	B & M Dks, Char	London
Philadelphia				
Siberian	" 16		24 No. Wharves	Glasgow
Ancona	" 19		80 So. Wharves	Naples-Genoa
Merion	" 23	10.00 am.	53 So. Wharves	Liverpool
Manitou	" 29	10.00 am.	53 So. Wharves	Antwerp
Friesland	" 30	10.00 am.	53 So. Wharves	Liverpool
Mongolian	" 30		24 No. Wharves	Glasgow
San Francisco				
China	" 19			Honolulu-Japan-China
Manchurian	" 26			Honolulu-Japan-China
Chiyo Maru	May 31			Honolulu-Japan-China

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We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** — **25 Clinton Avenue, North**

We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — **SCRANTON, PA.** — **122 and 124 Washington Ave**

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2464, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** — **20-22-24 West Fifth Street**

We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see pages 706, 707

Auto decorated by A. Wiegand & Sons of Indianapolis, for the floral parade recently held in that city. One thousand Carnations and 400 American Beauty Roses were used in the decoration.

Your Protection in Buying Ribbons Is

The Pine Tree

Every piece of Ribbon or Chiffon having this green label on it, is particularly adapted to the Florists' use. These Ribbons are deep, rich toned qualities, having a beautiful finish with prices as low as a manufacturer dare make them. We give you better Ribbons than any jobber can afford to.

Why not get our samples, examine them and save money on your purchases, as well as get the best Ribbons and Chiffons to be had in any market.

The Pine Tree Silk Mills Company

806-808-810 ARCH STREET
Philadelphia, Pa.

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

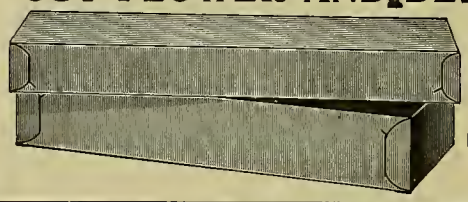
Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

CUT FLOWER AND DESIGN BOXES



All Sizes, Lowest Price

WRITE

C. C. Pollworth Co.

MILWAUKEE

Please mention the Exchange when writing.

FANCY OR DAGGER FERNS, $1.50 per 1000.

Telegraph office: New Salem, Mass.
L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $12.00 to $15.00 per 100 lbs.

ARBUTUS FLOWERS now in full bloom; send for a sample bunch or more. Large bunches only 15 cents; quick sellers.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

Dagger and Fancy Ferns, $1.50 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--261B Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, **BOSTON, MASS.**

Please mention the Exchange when writing.

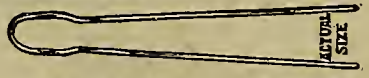
E. A. BEAVEN

EVERGREEN, ALA.

LOG MOSSES

Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.



TIME IS MONEY Save half the time greeting your designs by using Florist Greening Pins. 20c. per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c. per lb. Write for prices on larger quantities.

WM. J. SCHLATTER & SON, 422 Main Street SPRINGFIELD, MASS

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Retail Notes

GARY, IND.—Franzen & Little have opened a flower and tree business at 644 Broadway.

BELVIDERE, ILL.—John W. Lyon has sold a half interest in his greenhouses and retail store to Herbert Anderson.

GREAT FALLS, MONT.—M. Kranz, florist, is to open a retail store at 405 Central ave.

LOGANSPORT, IND.—Harry Newby, florist, took first honors in the automobile parade here last week, with his decorated Buick car.

FAIRMONT, W. VA.—George Daffin is to establish a large candy and flower store in the Comerford Building here about May 1.

AMHERST, MASS.—A. Foster Johnson, florist, under the name of The Union Gardens, will grow plants, flowers and vegetables at Nos. 5 and 6 Woodside ave., for sale at wholesale and retail.

GRAND FORKS, N. D.—E. O. Lovell, florist, has fallen in with the city plans to beautify vacant lots by offering to plant a large flower bed on one if the owner will keep it up and care for it.

The Haarlem Show

The first of the series of shows to be held during this Spring in Haarlem was formally opened March 23, and proved to be a decided success, and a distinct improvement upon former occasions. Bulbs were, of course, the leading attraction, but there was also a fine display of forced shrubs and other flowers.

A better site for a show could scarcely be found, the park being in the immediate outskirts of the town, with tram line by the gates. The outside show is made in a glade about a quarter or third mile long, with lofty oaks and other trees on either side, the vista being closed at one end by a pavilion, now filled with flower paintings, and at the other by the fine buildings of the Museum. In the turf of this glade have been cut numerous beds, planted with tens of thousands of bulbs. At present the Crocus and early bulbs are the only beds showing color, but the larger spaces, planted with Tulips and Hyacinths, give promise of a gorgeous display in April, when the next exhibition is opened.

The main show was accommodated in a huge structure of wood and glass, divided in two buildings, connected by a wide corridor. These were laid out to present the appearance of a garden, with a turf lawn in the middle of each, in which were cut geometrical beds filled with Hyacinths, Tulips, etc. The various groups of forced shrubs, Rhododendrons, Lilacs, etc., were arranged round the outside with turf edgings so as to form a charming background. The supporting pillars of the structure were masked with drapery, and overhead the whole building was ceiled with fine muslin, in alternate bands of buff and white, allowing a pleasantly subdued light to fall upon the gay groups beneath.

The question is often asked why our own shows, which we may claim, without undue conceit, surpass those of any other country in the quality of individual exhibits, are so inferior to Continental exhibitions in scenic effect. We think the answer is not so much in the fact that a harmonious grouping of the whole show requires careful planning and forethought, as in the factor of time. The Continental shows are not rushed together as ours are. In this instance the show was practically complete on Monday; on Tuesday the judges, divided into groups for each section, made their awards unhurried before lunch time, after which the show was in the hands of the officials to re-arrange where necessary, and polish up until Wednesday mid-day, when the public was admitted. It will be seen by this that the management had a clear day more than is ever allowed to it under our system; whether the results are a fair compensation for the extra loss of time entailed on exhibitors, officials, and others is, we think, a fair subject for discussion by our R. H. S.

Some of the best Hyacinths shown were: La Victoire, a very fine new red; Orange Queen; Margot, double white; Pineman, blue; Queen of the Pinks, a sport from King of the Blues; City of Haarlem, yellow; Lady Derby; Gen. Havelock, deepest purple; Adelaide Ristorie, very deep yellow; Excelsior, pale blush, very large bells; Myosotis, light silvery blue; Jacques, blush, very large loose spike.

In Tulips some of the oldest varieties were still well to the fore; for instance, Rose Gris de Lin was as pretty as any

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside
All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.25	26x6x4	$4.50
18x6x3	2.25	20x5x3½	3.75
24x6x3½	3.00	36x8x5	6.50
21x7x3½	2.25		

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.50
18x18x8	9.00	28x10x6	10.00
20x20x8	10.00	20x12x7	6.50
24x24x8	12.00	33x12x4	6.50
24x18x8, Pillow Box			12.00
20x16x8, Pillow Box			10.00

10% discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.
Box 203 CASTORLAND, N. Y.
New York Office, 20 East 42nd Street

Please mention the Exchange when writing.

GREEN GALAX

I can furnish good Medium Size Green Galax up to the 1st of May, at $2.90 per case; this stock is fresh and hardy and would make good cold storage stock, all picked and packed in April, and up to the standard. Send orders at once with cash.

G. A. HOLDER, Round Peak, N. C.

Please mention the Exchange when writing.

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire

IGOE BROTHERS

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes

63-71 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

MICHIGAN CUTFLOWER EXCHANGE, Inc.

Wholesale Commission Florists
Dealers in Fancy Ferns

38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

USE KRICK'S

Perfect Handles and Hangers

Just the thing for Easter.

When crowded for space will sustain the weight of 100 pounds.

Sample and prices on request.

CHAS. A. KRICK
1164-68 GREENE AVE., BROOKLYN, N. Y.

Please mention the Exchange when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

WE MANUFACTURE

ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK

'Phone 4254 Madison Square

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Prices Advertised in these Columns are for THE TRADE ONLY

shown. Joost van Vondel, white, was also very fine, as were Rose Luisante and Couleur Cardinal. Rose of Holland, white, with delicate edging of pink, was pretty; but better still was President Cleveland, in the same way of color, but a much larger flower. Brunhilde, a yellow and white Pottebakker, was effective. Rose van Dekema is a very pretty single pink. Of double Tulips, we noted Safrano, a sport from Murillo, with much the coloring of a Gloire de Dijon Rose; Boule de Niege, a good white; Anna Rooze, double pink; Henri Witte, deep yellow and red; Rose d'Amour, pink; Le Toreodore, deep yellow and red; Golden King, rich yellow.

Some of the best Crocuses were: King of the Whites; Maximilian, pale lilac, almost blue; Potter, very deep rich purple; Charlotte Patti, very large striped; Albion Bont, striped; Purpurea grandiflora, fine medium purple; Agnes Maria, rich purple. These good varieties of Crocus, thickly planted and well grown, gave a wonderfully good effect, almost rivalling Tulips.

After the bulbous flowers, the leading feature of the show, to our mind, was the display of forced Lilacs, which was really wonderful, and even more so in the grand quality of the bloom than the quantity shown. There were a number of groups of lifted and pot plants, but the highest quality was seen in the exhibits of cut flowers. These came principally from Aalsmeer, an almost unique village, barely standing out of the water. As the floors of the greenhouses are only some six inches above water, the ordinary system of boilers and pipes is out of the question, and we were assured that the astonishing results seen were produced with common stoves only. The drier atmosphere induced by this method of heating is said to have a favorable influence upon the lasting qualities of the flowers, and Lilac has, we were told, been shipped to America, and arrived sufficiently fresh to satisfy the importer. The size of both pips and trusses was remarkable; we measured a pip of Gloire de Lorraine one inch across, and the color was equally good. Souvenir de Ludwig Spath, the well-known dark variety, was almost as rich in tint as when grown outside. As to varieties, the old Charles X was grandly done. Marie Legraye was the champion white; Lavauensis was noticeable for its immense trusses; but the most charming of all to our taste was President Grevy, a clear French grey, almost blue in tint; this last was seen in grand form in the leading exhibit in a large basket very artistically set up, and also in most of the principal entries.

The only novelty of note in Rhododendrons was Prinses Juliana, a lovely flower in the way of Pink Pearl, but deeper in its rosy tint, and with a most gracefully waved margin to the flower. The plant did not look too robust, but it is a most attractive flower. It was shown by Messrs. C. B. van Nes and Zonen, Boskoop. We might also mention Henry Dupont, a distinct and rather effective variety, blush with heavy crimson blotch.

A most ingenious machine for grading bulbs, on the principle of a seed winnower, was worth noting. This is said to grade the bulbs more accurately than can be done by hand and without bruising. It must save much labor to those using it. However, it takes up rather a big space and costs £30 ($150), so that it would only be economical to large dealers.—*From the Horticultural Advertiser (England).*

Cincinnati

The past week has been something fierce, especially in the Carnation line; in fact, all flowers suffered. Am. Beauty Roses came nearer selling for something than any other stock, although it was hard work to move them even at low prices. Saturday, owing to a number of openings which were giving away Carnations, enabled the wholesaler to clean up pretty well at some price. Advices from the Carnation growers are to the effect that their cuts will decrease considerably from now on, therefore prices will advance before the end of this week to a point where the grower as well as the wholesaler can realize some returns.

Retail merchants, in all lines, are complaining. Quite a number of our retail men claim they have never seen business so bad as it has been since Easter, but we are living in the hope that the worst is now over. Weddings and other social functions are beginning to liven up a little, and we shall expect good business from now until the first of July.

E. G. GILLETT.

Brooklyn, N. Y.

At the store of M. T. Keenan, 40 Myrtle ave., business has been very brisk all the past season, especially at Easter. The Keenan store has been here about three years, Mr. Keenan having moved from a corner store a short distance away. Funeral work is a strong feature, as well as wedding and dinner decorations. Considerable landscape work is also executed. Mr. Keenan has been confined to his house for the past five weeks, having undergone a minor operation.

Miss E. C. Thiones, 245 DeKalb ave., reports the past Easter business the best she ever had. Azaleas and bulb stock were the leaders in pot plants. Violets went better than ever before, owing to the fair prices asked. Funeral business has of late been unusually brisk. Miss Thiones has a large window suitable for good decorations and during Easter she made a specialty of made-up baskets of greens and plants.

Robert G. Wilson, 5 Greene ave., has a well appointed store with a fair-sized conservatory in the rear, well supplied with potted stock. Easter business was very good at this establishment.

A. Mack, 295 Myrtle ave., reports the past Easter as being the best in the seven years he has been in this location. A recent design executed by him was a model of the battleship Ohio, made of Carnations and white Roses. The model was five feet long with masts about 4 ft. high, six guns and well supplied with flags. The design was made for an old employee of the Navy Yard machine shop.

P. Mallon's Sons on April 1 returned to their store at 14 Hanover Place, in which they have been making extensive alterations, raising the floor to the level of the street and enlarging the store. They report the sale of Violets recently the largest they have ever had. Business is unusually good here in funeral work and the Easter trade was excellent.

Cultural Direction Leaflets

Prepared especially for seedsmen to give away to customers. Written by experts with a view to the wants of the amateur. Seedsmen are requested to send for a free sample. Address,

A. T. De La Mare Ptg. & Pub. Co., 2 Duane St., New York

A Woodsmen of the World Design

The design shown was the work of Hilary E. LePage, Stamford, Conn. The Roses used were Bridesmaids and the lettering was on white Carnations. The emblem of the order is a log of wood so, to get as near nature as possible, there was secured, as you see, a good subject, trimmed in such a way as to make it look quite natural. The wire frame was composed of wreaths, placed one inside the other, the largest being 27 ins.

Design of Woodsmen of the World

Rhododendron Maximum
Hemlock Branches
for Cemetery Use

Always Fresh From the Forests

LOG MOSS in Large Sheets
Good Green Color—Well Dried
$1.60 PER BAG

ORDER NOW

Alleghany Mountain Evergreen Company
FARMINGTON, PA.

Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK
We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work
Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLD GUARANTEEY
LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

WHOLESALE PRICE LIST
GALAX, FERNS AND LEUCOTHOE Per
Direct from the woods to the dealer. 1000
Galax; green and bronze.....$0.50
Ferns, dagger and fancy..... 1.00
Green Leucothoe Sprays, regular lengths. 2.00
Green Leucothoe Sprays, 10 to 15-in..... 1.00
Special prices on lots of 100,000 and up.
Terms, strictly cash, f. o. b. Elk Park, N. C.
NORTH CAROLINA EVERGREEN CO., Banners Elk, N. C.
Please mention the Exchange when writing.

Southern Wild Smilax
Now ready for shipment.
Write, wire, or 'phone the introducers.
CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA
Please mention the Exchange when writing.

WIRED TOOTHPICKS
10,000, $1.75; 50,000, $7.50
Manufactured by
W. J. COWEE, Berlin, N. Y.
Samples free. For sale by dealers
Please mention the Exchange when writing.

Florists' Refrigerators
Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.
McCRAY REFRIGERATOR COMPANY
962 Mill Street, KENDALLVILLE, IND.
Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By single man, A 1 grower of Roses and Carnations. References. Address "Florist," 203 East 19th street, New York City.

SITUATION WANTED—By a young Englishman as assistant in greenhouses; age 26; good reference. Address, T. J. B., P. O. Box 162, Tenafly, N. J.

SITUATION WANTED—As section man or foreman by A 1 Rose grower (Beauty or Tea Roses), 14 years' experience; single, age 32, sober. Address, K. E., care The Florists' Exchange.

SITUATION WANTED—By expert Rose and Beauty grower; also all-around grower of up to standard stock. Executive ability. Knows how to handle men. Address, I. C., care The Florists' Exchange.

SITUATION WANTED—As assistant in Rose or Carnation houses or as general greenhouse man. Please state full particulars in first letter. Address, K. A., care The Florists' Exchange.

SITUATION WANTED—As head gardener or foreman on private or city place, competent nursery, planting and landscape work, 16 years' experience, 7 years in present position. Address, K. C., care The Florists' Exchange.

SITUATION WANTED—By married man as foreman. Expert grower and propagator of cut flowers, Easter plants and general stock. Capable of taking charge of up-to-date place. Address, K. F., care The Florists' Exchange.

SITUATION WANTED—As working foreman or first-class grower of Roses, Carnations, Chrysanthemums, pot plants and Orchids. State wages in first letter. Address, A. B., care of A. Penyser, 442 Amsterdam ave., New York.

SITUATION WANTED—By German florist, 32, single, sober, energetic, industrious; up-to-date on all greenhouse stock; capable to take charge of commercial private place. Address, M. J., 46 Catherine street, New York.

SITUATION WANTED—By a florist with 20 years' experience in greenhouse work, designing and decorating. German, single, age 39, able to take charge of any greenhouse establishment. Please state wagee and full particalars in first letter. Address, Ed. Weiss, 308 E. 84th st., New York City.

SITUATION WANTED—Steady position for nurseryman and gardener. Commercial or private. Can recommend him as no drinker and competent to take full charge. Position must not require traveling. Our work requires traveling. Address, Landscape Architect, Box 13, Fuller Building, Jersey City, N. J.

SITUATION WANTED—By sober, industrious Swede, 6 years in present place, where are grown Pinks, 'Mums, Peas and general lot of bedding stock; vicinity of Providence preferred, but willing to go anywhere if good chance is offered. Give wages and particulars. Address, K. D., care The Florists' Exchange.

SITUATION WANTED—Advertiser, having recently completed extensive landscape work, is open to undertake similar work to any extent. Experience in road construction, drawing, grading, planting, etc.; can work by plans. Thorough knowledge of nursery stock. Address, "Landscape," care The Florists' Exchange.

SITUATION WANTED—By married man, 18 years' experience. First-class grower of Roses, Carnations, Chrysanthemums, Palms, Ferns, Violets, Lilies and general stock. Able to handle men if desired. I can produce goods; good references. Address "K," P. O. Box 371, Port Allegany, Pa.

SITUATION WANTED—On commercial or private place by a practical man of long experience. Competent to take charge. Sober, steady and good worker; can furnish references. Understands budding, grafting; good propagator of shrubs and other plants; four years on last place. Austrian, single, 36 years. Address, F. N., care Joseph Kasper, 1378 First ave., New York City.

SITUATIONS WANTED

SITUATION WANTED—Advertiser with exceptional experience in leading nurseries in England and this country, also extensive experience in all branches of landscape work of unlimited extent, and the growing of everything under glass, would like to associate with a first-class nursery firm; good salesman; would travel. Irreproachable references. Middle West preferred. "Nursery" care The Florists' Exchange.

SITUATION WANTED—By gardener and florist, 42 years of age, single, German, very neat and sober, good worker. A first-class all around man; 25 years' experience in first-class private and commercial places. Under glass and outside; experienced in growing Roses, Carnations, Chrysanthemums and Violets; a good designer and maker up. Only a well kept place wanted. First-class references. Please give particulars and wages in first letter. Address, A. R., care Mr. Weiatz, 278 West 128th st., New York City.

HELP WANTED

WANTED—To work under foreman, a man as general plant grower. State age, experience and wages expected, to Thomas Roland, Nahant, Mass.

WANTED—An assistant in Rose and Carnation Houses. Wages $60.00 per month. Apply with references and full particulars to K. H., care The Florists' Exchange.

WANTED—Single man to grow Bride and Bridesmaid Roses; steady place to sober reliable man. Address with reference, Dean & Co., Little Silver, N. J.

WANTED—Two assistants in Rose and Carnation houses; apply at once with references to
THE JOHN YOUNG CO.,
Bedford Station, N. Y.

WANTED—A good general greenhouse man, to work under foreman, mostly Roses; one who can handle the hose to advantage; steady job to a good man. Address, K. G. care The Florists' Exchange.

WANTED—Two experienced section men for Rose houses. Apply with references and state wages.
S. J. REUTER & SON, INC.,
Westerly, R. I.

GARDENER WANTED—Head, working, expert outdoor florist, sober, no children. Permanent position in Lenox. Wages $40.00 with room and board. State age and send copies of recent references. Mr. Clarke, 50 Riverside Drive, New York City.

WANTED—A good reliable working foreman for a retail place; must be strictly sober and thoroughly acquainted with the growing of Chrysanthemums, Smilax and bedding plants. Single man preferred. Apply with references, etating wages required, to H. F., care The Florists' Exchange.

WANTED—A working foreman for Rose department to take charge of fifty thousand feet of glass. New modern and strictly up-to-date. Must be competent in all respects. References required. Address, K. B., care Chicago Office, Room 614, No. 60 Wabash ave.

WANTED—Man experienced in growing bedding plants and hardy stock, capable of taking charge of greenhouses and landscape work. Good salary, permanent position. State salary expected, give references. H. F. Baker, 4623 Lake Harriet Blvd., Minneapolis, Minn.

STOCK FOR SALE

BULBS

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices George Peters & Sons, Hempstead, N. Y.

STOCK FOR SALE—Dahlia Roots, undivided field-grown clump, White Swan, Pearl d'Or, Kreimhilde, Nymphia, Lyndhurst and Catherine Duer. Send for special price list. Wood & Healey, Hammonton, N. J.

DAHLIA BULBS for the trade at $3.50 per 100; $30.00 per 1000. Not over two bulbs of a kind in a hundred lot; all copper wire labelled with printed name and color; just what you need to sell again. C. Peirce, Dighton, Mass.

DAHLIAS.

Kriemhilde, Wm. Agnew, Zulu, Oban, Blue Oban and surplus Cactus varieties; my selection, at $3.00 per 100 divisions. E. R. Macomber, 20 Leonard Street, Woodfords, Me.

AN advertisement in our columns, will obtain for you a desirable situation at any time and the cost is a very small item.

STOCK FOR SALE

CHRYSANTHEMUMS

CHRYSANTHEMUMS.

Rooted cuttings, Yellow Bonnaffon, Dr. Enguehard, Polly Rose, Glory of the Pacific, $1.00 per 100; strong cuttings from cold frames. Park Floral Co., Trenton, N. J.

CHRYSANTHEMUMS—Golden Glow, Desjouis, Poeblmann, Pacific, Estelle, Roosevelt, Nonin, Dr. Enguehard, Monrovia, Lynnwood Hall, etc.; strong rooted cuttings, $1.00 per hundred. Ask for list; 25 varieties. Edward Wallis, Atco, N. J.

GLORIA, a large early Enchantress Pink 'Mum; Pres. Taft, a huge glittering White Midseason, both bave stems and fallage unsurpassed; R. C. prepaid, $1.00 per 25, $3.75 per 100. Gloria, 2¼ in., $5.00 per 100. Chas. Frost, Kenilworth, N. J.

CHRYSANTHEMUMS.

Golden Glow, Col. D. Appleton, Crocus, Major Bonaaffon, Mlle. J. Nonin, Rooted Cuttings, $2.00 per 100, $15.00 per 1000. Plants, $3.00 per 100, $25.00 per 1000.

Ivory, Monrovia, October Frost, Pacific Supreme, Roserie, Cremo, Viviand Morel, Rooted Cuttings, $2.50 per 100, $20.00 per 1000. Plants, $3.00 per 100, $25.00 per 1000.

Golden Eagle, Pres. Roosevelt. Rooted Cuttings, $3.00 per 100, $25.00 per 1000. Plants, $4.00 per 100, $30.00 per 1000.

NEW 1909.

Indiana, Dolly Dimple, Mrs. W. E. Kelley. Rooted Cuttings, $5.00 per 100, $40.00 per 1000. Plants, $6.00 per 100, $50.00 per 1000.

Gloria. Rooted Cuttings, $3.00 per 100, $25.00 per 1000. Plants, $4.00 per 100, $30.00 per 1000.

25 at hundred rate, 250 at thousand rate. For complete description, see catalog.
Elmer D. Smith & Co., Adrian, Mich.

GERANIUMS

GERANIUMS, 100 Poitevine, 500 Ricard, 900 Nutt, 400 Viaud, 300 Buchner, 50 Pressilly, 50 Heglen, 2½-in. pots, $2.00 per 100.

100 Poitevine, 200 Ricard, 100 Montmort, 500 Nutt, 100 Dagata, 500 Viaud, 50 Dryden, rooted cuttings, $1.00 per hundred. Mish's Lebanon Greenhouses, Lebanon, Pa.

GERANIUMS—S. A. Nutt, fine plants out of 4-in. pots at $6.00 per hundred. Satisfaction guaranteed. This price for April delivery.
BRANT BROS., INC., UTICA, N. Y.

STOCK FOR SALE—Geraniums S. A. Nutt and Double Lobella, 2-in., $2.00 per 100, Rooted Cuttings, Double Lobelia, Salvia, Zurich, German Ivy, Ageratums, Gurney and Cuphea, 75c. per 100. Cash with order. F. A. Ezold, Haddam, Conn.

ROSE GERANIUMS, 2½-in., $2.50 per 100. Lemon Verbena, Vinca Var., Stevia and Feverfew, rooted cuttings, 75c. per 100, prepaid. Pansy plants from Fall sown seed, 50c. per 100 prepaid; $3.00 per 1000, express. Chas. Frost, Kenilworth, N. J.

NURSERY STOCK

HYDRANGEA OTAKSA—Very strong rooted cuttings, $2.00 per 100; cash; by express. F. J. Laagenbach, Florist, Norwich, Conn.

STRONG rooted cuttings of Hydrangea Otaksa, ready to plant out, $2.00 per 100. F. J. Langenbach, Norwich, Conn.

275 STRONG PLANTS (been cut back) California Privet, 12 feet high, fine for screening purposes. Shipped 75c. W. Campbell, P. O., Upper Montclair, N. J.

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA

The true large flowering forcing variety, warranted true 2¼-inch pots at $3.00 per hundred, one year field grown strong 12 to 18 inches, $6.00 per hundred, $50.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

PANSIES

CHOICE Pansy plants, Fall transplanted, $1.00 per 100, $8.00 per 1000. Cash. W. C. Myers & Sons, Scottdale, Pa.

Pansies, August sowa, in bud and bloom, not transplanted, from cold frame, $3.00 per 1000; big transplanted plants from field, $2.00 per 100. Cash please. Frank Boehme, Watchung ave., Bloomfield, N. J.

ROSES

GRAFTED ROSE STOCK.

Killarney, White Killarney, Brides, Bridesmaids and My Maryland, 2½-in. stock, $15.00 per 100, $125.00 per 1000. C. H. Totty, Madison, N. J.

VINCAS

VINCA MINOR, the hardy Vinca for cemetery planting and under trees where grass will not grow. Well rooted layers, $1.60 per 100, $10.00 per 1000. E. Y. Teas, Centerville, Ind.

STOCK FOR SALE—20,000 Vinca Minor (Myrtle blue fl.) 1 year old strong field-grown clumps, $7.00 per 100. 4000 Dracaena Indivisa, extra fine, 4-in., 10c.; 5-in., 20c.; 6-in., 35c.; 7-in., 46c.; 8-in., 60c.; 9-in., $1.00 each.

STOCK FOR SALE

MISCELLANEOUS

IVY—Hardy, English, 4-in. pots, very bushy, 3 to 5 ft. tall, $15.00 per 100. John Reck & Sons, Bridgeport, Conn.

KUDZU VINES, largest stock, strong 1 year, $15.00; medium, $10.00; light grade for potting, $5.00 per 100. Teas Nursery, Carthage, Mo.

VIOLETS, good strong rooted runners, Princess of Wales, California and Campbell, $1.00 per 100, 7.50 per 1000. W. C. Pray, Dobbins, N. J.

COLEUS ROOTED CUTTINGS.

Verschaffeltii, and Golden Bedder, 65c. per 100; $5.00 per 1000. Cash please. Jas. Ambacher, West End, N. J.

FREESIA, 35,000; $2.50 in 10,000 lot; $3.00 in 5,000 lot; $3.50 in 1,000 lot. Honest sample on receipt of 10 cents in stamps. L. Epple, North Pelham, N. Y.

SMILAX

for June or July delivery, $12.50 per thousand; fine plants. Geraniums and Salvias all sold. P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

AMPELOPSIS VEITCHII, strong, well rooted, one year plants, 18 to 24 inches; 50, by mail, $2.00; 100, $3.00; 1000, $20.00; by express. Address, Chas. Black, Hightstown, N. J.

ASPARAGUS SPRENGERI out of 4-in. pots at $6.00 per 100. Asparagus Plumosus out of 4-in. pots at $10.00 per 100. Extra fine. Satisfaction guaranteed.
BRANT BROS., INC., UTICA, N. Y.

HOLLYHOCKS, double, in separate colors—out 4-in. pots—extra heavy and healthy, Price $8.00 per hundred. A. L. Miller, Florist and Nurseryman, Jamaica ave. opp. Schenck ave., Brooklyn, N. Y.

MILLIONS of early and late vegetable plants for sale. All kinds and varieties, transplanted or not; write for prices. See our display advertisement in this issue of pot plants. Alonzo J. Bryan, Washington, N. J.

BEGONIA Lorraine and Agatha—2½-in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500.
Box Trees, all sizes. Ask for special list.
Cyclameas, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. Y.

DRACAENA INDIVISA.

Very strong.

5-inch pot, as good as 6-inch, $21.00 per 100
5-inch, strong, $19.00 per 100
5-inch, good, $18.00 per 100.
No Better to be had for the money.
Morel Bros., 622 East Market st., Scranton, Pa.

FOR SALE OR RENT

FOR SALE—Florist establishment, 9-room dwelling, 500 feet hot house, 1 acre; 9 miles from Philadelphia. Must be sold. Geo. M. Amaa, 1201 Chestnut street, Philadelphia, Pa.

TO LEASE—In Brooklyn, 10,000 to 12,000 sq. ft. of glass in good condition. Place fully stocked. Handy to cars. For further particulars, address I. F., care The Florists' Exchange.

FOR SALE—Greenhouse property of 10,000 ft. of glass, A 1 condition. Steam heating, electric light; the same is stocked with Roses, Carnations and bedding plants. The reason for selling: I have two establishments and must dispose of one. Inquire of W. D. Snell, Herkimer, N. Y.

FOR SALE

Florist's establishment, fully equipped, in city of 30,000 people. Hot houses of 6000 square feet, modern in every respect. No similar establishment in town. Death of owner, cause of selling. Address, Greenville Real Estate, Loan & Insurance Co., Greenville, S. C.

GREENHOUSE PLANT 19 miles from Boston, several big houses, 2 sets buildings, 2 orchards, 55 acres nice land. R. R. Sta. 1 min. from office, $20,000, $5000 down. Mr. Hodge, 8 Grand View ave., Somerville, Mass.

GREENHOUSE PLANT cost $8000, 1908. Price $5000, cash. Big trade for someone. Owner dead. Hodge.

GREENHOUSE PLANT 12 miles from Boston, 8 acres, 8 large houses, $15,000, $5000 down. Hodge.

FOR SALE

Greenhouse establishment with four semi-iron frame greenhouses, good barn and outbuildings. Eight room house with hot water heat, 3 acres of level and fertile ground right near good town and handy to New York market. Trolley passes door. This whole place has been built the last 4 years and is in first-class condition, well stocked and beautiful grounds. Price $12,000. Half cash. Address, H. A., care The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED—200 strong Pennisetum Rupellianum. Address, Box 13, Fuller Building, Jersey City, N. J.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED TO BUY—35 or 40 boxes of 12-in. double thick second-hand glass; also 2 or 3 open expansion tank for end of greenhouses. State price in first letter. L. Epple, North Pelham, N. Y.

SUNDRIES FOR SALE

SPHAGNUM MOSS, BEST QUALITY, 10 bales $7.00. Write for special prices on car-lots. L. Amundson & Son, City Points, Wis.

FOR SALE—Best brands greenhouse glass, all sizes at special low prices. Small or large lots. C. S. Weber & Co., 10 Desbrosses st., New York City.

FOR SALE—Contents of a greenhouse, consisting of large Palms, Ferns, Rubber Plants, etc. Inquire of Gardener at 623 West 141st street, New York City.

FOR SALE—Safe, roll top desk, flat oak desk, florist's cases, tables, jars, shelving, etc. Florist, 46 West 28th Street, New York City.

FOR SALE—All kinds of greenhouse material.

SPECIAL THIS WEEK—200 boxes 10x14 double thick glass, 3000 feet of 4-in. Hitchings pipe, very cheap, at James Monahan's Greenhouses, 22 Belmont ave., Madison, N. J.

I. SUESSERMAN, 229 Livingston st., Newark, N. J.

FOR SALE

RADIATORS Steam, 1½c. per lb.; hot water, 2c. per lb. Guaranteed. All sizes in stock.

BOILERS The following new, round, portable hot-water boilers—guaranteed, 16-in., rated to heat 1,125 sq. ft. of glass, $34.00. 19-in., rated to heat 1,500 sq. ft. of glass, $46.00. 22-in., rated to heat 2,250 sq. ft. of glass, $64.00. 25-in., rated to heat 3,075 sq. ft. of glass, $90.00. Get our prices on second-hand boilers. We have one of the largest stocks of new and second-hand round and sectional hot-water and steam boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5½c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large Stock—All Makes and Sizes—Send for Special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

CARNATION SUPPORTS About 10,000 at $4.00 per 1000.

GLASS New American natural gas made glass, packed 60 sq. ft. to the box, 8x10, 10x12 and 10x16 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

We Pay The Freight on cut-flower and design boxes. See our price list on page 706, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.

Box 200 - - - Castorland, N.Y.

Please mention the Exchange when writing.

Books Every Florist Should Have

BULBS AND TUBEROUS ROOTED PLANTS.—C. L. Allen. $1.50.

THE GARDENER'S ASSISTANT.—New. Two large volumes. The most complete encyclopedia of gardening published. Includes fruit culture. Prospectus. Price, $15.00.

THE AMERICAN CARNATION—C. W. Ward. Price $3.50. Prospectus.

THE CHRYSANTHEMUM.—A. Herrington. Price 50c.

ARNOLD'S TELEGRAPH CODE FOR FLORISTS.—$2.50.

DESIGN BOOK, THE FLORISTS' EXCHANGE.—Sold to subscribers only. Send for particulars.

FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $2.40. Reviewed Feb. 19, 1910.

THE HEATHER: In Lore, Lyric and Lay.—By the late Alexander Wallace. $1.00. Prospectus.

PLANT CULTURE.—George W. Oliver. Price $1.50; F. E. two years and Plant Culture, $3.00. Prospectus.

PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 27, 1909.

THE ROSE.—H. B. Ellwanger. Price $1.25.

SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 50c. Prospectus.

SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.

VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.50. Prospectus.

WATER GARDENING, THE BOOK OF.—Peter Bisset. Prospectus. $2.50.

The review notices or prospectuses of the books mentioned will be mailed to any subscriber on application.

Prices quoted include prepaid delivery.

Address orders to

The Florists' Exchange No. 2 Duane St. New York

NEW CANAAN, CONN.—S. B. Hoyt is improving the approach to his greenhouse on South Main st.

NISKAYUNA, N. Y.—While working on his greenhouse here recently John V. Green fell and broke several ribs.

MONTVALE, MASS.—Mrs. David Fisher has sold her greenhouse plant to a Mr. Flood, who will continue the business.

KANKAKEE, ILL.—A. H. Burt, florist, 62 years of age, is seriously ill with an attack of measles.

Notice

A special meeting is to be held, under the auspices of the N. Y. Florists' Club, at the Club rooms, Grand Opera House Building, 23d St. and Eighth Ave., New York City, on Monday evening, April 18, at 7.30 p.m.

To consider the advisability of establishing a Plant and Flower Market under Queensboro Bridge, New York, upon terms offered by the City, and to take action in the matter.

Members of the N. Y. and N. J. Association of Plant Growers, and the N. Y. and N. J. Market Florists' Association are invited to attend and all florists who are interested in the project, whether members of any organization or not.

A. L. MILLER,
President N. Y. Florists' Club

At Auction

WITHOUT RESERVE

The Fruit Auction Co.

200-204 Franklin Street, NEW YORK

Horticultural Department, J. P. CLEARY, Mgr.

WILL OFFER

TUESDAY, APRIL 26th, 1910, at 2.30 p.m. sharp

ONE GREENHOUSE, about 140 feet long by 20 feet wide (part of which is a large Palm House, 34 by 25 feet), **Boiler, Pipe, Benches, Tools, etc., etc.**

Also the plants remaining, including **Carnations, Ferns, Araucarias, etc.,** and one large specimen **Latania Borbonica.**

This sale will be held on the premises at 140th Street, near Riverside Drive, New York City, Borough of Manhattan. Reached by Broadway Subway to station at 137th Street, thence a short walk North to 140th Street and West to the entrance at 623 West 140th Street.

The Greenhouse will be shown to prospective purchasers by the caretaker at 623 West 141st Street.

Terms:—**25%** cash at time of sale, balance to be paid within 24 hours.

Reasonable time for demolition and removal will be allowed; arrangement to be made at time of sale.

NOTE THE DAY AND DATE

Please mention the Exchange when writing.

Shade Trees

A large stock of Lombardy and Carolina Poplars, Lindens and Maples.

Shrubs in assortment, including California Privet.

ROSES

Climbing Roses in variety. Soliel d'Or and Persian Yellow.

THE ELIZABETH NURSERY CO.

ELIZABETH, N. J.

Chrysanthemum Stock

Polly Rose, Pacific, Shaw, Monrovia, Halliday, Ivory, Nonin, Bonnaffon, Enguehard, Adelia, $1.50 per 100, $10.00 per 1000. Chadwick, $2.00 per 100.

900 SMILAX, 2-in., if taken at once, $10.00 for the lot.

ENGLISH IVY, 3-in., $8.00 per 100.

Two-year-old EVERGREENS, $5.00 per 100.

Cash with order, please.

JACOB KOL, East Nutley, N. J.

Rooted Cuttings

	Per 100
GERANIUMS, leading varieties, R. C.	$1.00
GERANIUMS, leading varieties, 2-in.	2.00
GERANIUMS, leading varieties, 3-in.	3.00
GERANIUMS, leading varieties, 4-in.	5.00
CHRYSANTHEMUMS, leading varieties R. C.	1.00
CHRYSANTHEMUMS, leading varieties 2-in.	2.00
STEVIA, leading varieties, R. C.	1.00
STEVIA, leading varieties, 2-in.	2.00
CANNAS, leading varieties, started	2.00
CANNAS, leading varieties, 3-in.	5.00

HENRY HOLZAPFEL, Jr. HAGERSTOWN, MARYLAND

Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 5c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

VIOLET CULTURE

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.,

2-8 Duane Street, New York

READY MAY 1st.

GERANIUMS, HELIOTROPE,

ETC.

S. A. Nutt, Beaute Poitevine, La Favorite, A. Ricard, Frances Perkins, Jean Viaud, John Doyle, Mme. Jaulin, Gloire de France, Marquis de Castellane, and Rose Geraniums, 3½-in. pots, $5.00 per 100.

PELARGONIUMS, Victor, 3½-in. pots, $7.00 per 100.

HELIOTROPE, Queen of Violets, Chieftain and Mme. Blonay, 3½-in. pots, $5.00 per 100.

CANNAS, Duke, Queen Charlotte, Florence Vaughan, Martha Washington, (beautiful pink), 4-in. pots, $5.00 per 100.

IVY GERANIUMS, in variety, 3½-in. pots, $5.00 per 100.

FUCHSIAS, Snow White and Avalanche, 4-in. pots, $10.00 per 100.

VINCA Variegata, 3½-in. pots, $5.00 per 100.

BEGONIA Rex, 4 varieties, all good, 4-in. pots, $10.00 per 100.

COBAEA Scandens, 3-in. pots, $3.00 per 100.

BEGONIA Rex and BEGONIA Metallica, 2-in. pots, $4.00 per 100.

VERBENAS, SWEET ALYSSUM, Little Dorrit, 3-in. pots, $2.50 per 100.

PARLOR IVY, HELIOTROPE, two varieties; VINCA Variegata; SALVIA, Bonfire and Splendens; 2½-in. pots, $2.00 per 100.

PELARGONIUM, Victor, 3-in. pots, $4.00 per 100.

Cash with order.

WM. J. CHINNICK
TRENTON, N. J.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.

Ricard and S. A. Nutt, ready April 20, at $10.00 per 1000.

SPRENGERI

Extra fine, ready for four inch pots, first size $5.00 per 100; second $3.50 per 100; samples for ten cents.

PLUMOSUS

Good stock from Rose pots, at $25.00 per 1000; samples for ten cents.

ALBERT M. HERR
LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS

Ricard, Nutt, Buchner, strong, cool grown plants, from 3-in. pots, $2.00 per 100, $20.00 per 1000.

Ricard from 2½-in., $2.50 per 100. Mixed $18.00 per 1000.

QUAKER HILL NURSERIES, Oxford Depot, N. Y.

GERANIUMS

Fine, stocky plants, in bud and bloom, 4-in., Nutt, Poitevine, Ricard, La Favorite, Trego, Perkins, Jaulin, etc., $6.00 per 100.

SALVIAS, large plants from flats—Zurich, Bonfire and Splendens, 75c. per 100, $7.00 per 1000.

Dark blue HELIOTROPE and Dwarf blue LOBELIAS, large plants, from flats, 75c. per 100, $6.00 per 1000.

HILL TOP GREENHOUSES, 84 Churchill Avenue **UTICA, N. Y.**

Please mention the Exchange when writing.

GERANIUMS

RICARD, DOYLE, VIAUD and POITEVINE
$12.00 per 1000,
S. A. NUTT, $10.00 per 1000
COLEUS, VER. and G. BEDDER 60c. per 100
FRED W. RITCHY, Lancaster, Pa.

Please mention the Exchange when writing.

200,000 First Class Plants

Geraniums in bud and bloom, Nutt, Buchner, Poitevine, Double Grant; Heliotrope in bloom; Lemon Verbenas; Cannas; all fine strong, 3½-4 in., $5.00 per 100. Salvia, Bonfire and Splendens, large, 3½-in., in bud, $4.00 per 100; strong 3-in., $2.50 per 100; large, 2-in., $1.75 per 100. Dreer's Superb Single Petunias, Mammoth Verbenas, Ageratum, blue, Mme. Salleroi Geranium, strong, stocky, 3-in., $2.50 per 100. Ageratum, Mme. Salleroi Geranium, Coleus, 12 varieties, strong, 2-in., $1.75 per 100, $15.00 per 1000. Geraniums, stocky, 3-in., $4.00 per 100. Dracaena Indivisa, extra large and perfect, 6-in., $4.00 per dozen. Cash.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

CHRYSANTHEMUMS — ROOTED CUTTINGS READY NOW

WHITE	Per 100
OCTOBER FROST	$2.00
ESTELLE	2.00
POLLY ROSE	2.00
ROBINSON	2.00
WHITE CHADWICK	3.00
MERRY XMAS	3.00
YONOMO	2.00
MRS. BUCKBEE	2.50

	Per 100
SNOW QUEEN	$2.50
WHITE IVORY	2.00
C. TOUSET	2.00
YELLOW	
MONROVIA	2.00
ROBT. HALLIDAY	2.50
GOLDEN BEAUTY	2.50
GOLDEN GLOW	3.00

PINK	Per 100
PINK IVORY	$2.00
ROSIERE	2.00
DR. ENGUEHARD	2.00
RED	
INTENSITY	2.00
BLACK HAWK	2.00

WIETOR BROTHERS, 51 Wabash Avenue, Chicago, Ill.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings: S. A. Nutt and Buchner, $10.00 per 1000.

Ricard, Poitevine, Castellane and Viaud, ready April 25th.

BEGONIAS

Extra fine transplanted plants of Gracilis Rosea, $1.00 per 100 by mail; $6.00 per 1000 by express. Fine bushy Verbena from 2-in. pots, $2.00 per 100, $18.00 per 1000, by express. Cash with order.

PETER BROWN, 124 RUBY STREET **Lancaster, Pa.**

Please mention the Exchange when writing.

GERANIUMS Nutt, Buchner, Ricard, Poitevine, Perkins, $10.00 per 1000, Strong, $1.60 per 100. Best bargains given. Write.

COLEUS Ver. and G. Bedder, extra strong and brightest Fancy, $5.00 per 1000. Very strong branchy from soil, $1.00 per 100.

Giant Leaved, most showy of all, 80c. per 100.

ALTERNANTHERA. Good soil plants · Fall struck Yellow $6.00, Red Rog $7.00 per 1000.

ASTER Wonder, very large, on long stems, much earlier than Queen 40c. per ¼ oz Seedlings of the same, 30c. per 100. Cash.

DANIEL K. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

Nutt, Buchner and others, 2-in. pots, $2.00 per 100; 3-in. pots, $3.00 per 100; 4-in. pots, $5.00 per 100.

FUCHSIAS, SALVIAS, HELIOTROPES, DOUBLE GIANT, SWEET ALYSSUM, DOUBLE WHITE FEVERFEW, AGERATUM GURNEY, VINCA VARIEGATED, R. C., $1.00 per 100; 2-in. pots, $2.00 per 100.

ASTERS, 2-in. pots, $1.00 per 100.

VERBENAS, MARGUERITE CARNATIONS, SINGLE STAR PETUNIAS, 2-in. pots, $1.50 per 100.

COLEUS

Crimson Verschaffeltii, Golden Bedder and 15 others, R. C., 60c. per 100; $5.00 per 1000.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

ALL NURSERYMEN SEEDSMEN and FLORISTS

Wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

Editors of the "H. A."
Caldwell Nurseries, - Lowdham, Notts.

European Agents for
THE AMERICAN CARNATION

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Prices Advertised in these Columns are for THE TRADE ONLY

FLORISTS' 'MUMS

Still a great many good Commercial, Exhibition, Pompons and Singles.

For further particulars see *Stock for Sale* in back of *Exchange*.

ELMER D. SMITH & CO., Adrian, Mich.

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Rooted Cuttings

White: Baby Margaret, Lynnwood Hall, Touset, A. Byron, Timothy Eaton, Chadwick, J. Nonin, Ivory, Desjouis.

Pink: Amorita (very early), Glory of the Pacific, M. Dean, Mary Mann, Rosette, P. Ivory.

Yellow: Golden Glow (very early), M. Bonnaffon, Y. Eaton, Cremo, Robt. Halliday, Golden Eagle, Yellow Jones, Golden Chadwick, Baby.

Send for Price List.

WILLIAM SWAYNE, P. O. Box 215, **KENNETT SQ., PA.**

Please mention the Exchange when writing.

Snow-White Sport of Helen Frick

CHRYSANTHEMUM

From 2¼-inch pots . .	$10.00	per 100
Rooted Cuttings . . .	8.00	" "
Unrooted Cuttings . .	5.00	" "

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

Chrysanthemums

Polly Rose, Dr. Enguehard, 2¼-in., $2.50 per 100, $20.00 per 1000.

AGERATUM, Stella Gurney, 2¼-in., $2.00 per 100.

SMILAX SEEDLINGS, 50c. per 100, $4.00 per 1000.

Cash with order.

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Bench Grown Strong Plants

Golden Glow, Pacific Supreme, White and Yellow Bonnaffon, Timothy Eaton,
$3.00 per 100,
$25.00 per 1000.

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Please mention the Exchange when writing.

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All the Standard Varieties
POMPONS and SINGLES
$2.00 per 100, $15.00 per 1000
Stock guaranteed true to name

GEO. B. HART
24 Stone St., ROCHESTER, N. Y.

GERANIUMS

	1000	100
8 varieties, my selection	$25.00	$3.00
ASPARAGUS Sprengeri, seedlings	7.00	1.00
DOUBLE PETUNIAS		3.00
LARGE PANSY PLANTS, April 1st		1.50
SMALL PANSY PLANTS, $2.60 per 1000		.60

COLEUS

	Per 100
10 varieties, 2¼-in. pots, April 1st	$2.00
10 varieties CANNAS, 3½-in. pots, April 1st	4.00
400 ASPARAGUS plumosus nanus, 2¼-in. pots	2.00
ALTERNANTHERA, red and yellow April 1st	2.00

Cash. No C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

GERANIUMS

Ready to ship.

	Per 100
S. A. Nutt, strong, 4-in. plants in bud and bloom	$6.00

Rooted Cuttings, May 1st delivery.

	100	1000
S. A. Nutt and La Favorite	$1.00	$10.00
Castellane	1.00	10.00
Ricard	1.20	11.00

SALVIAS

Rooted Cuttings.

Bonfire and Splendens	.85	7.50

Quality guaranteed or stock replaced.

Cash with order.

B. F. BARR & CO. Keystone Nurseries **Lancaster, Pa.**

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

DON'T GET LEFT

Geraniums! Geraniums!

Nutt, Doyle, Buchner, La Favorite, Grant, Bruanti and others, also Rose Geraniums, $18.00 per 1000; 500 at 1000 rates.

Coleus, Rooted Cuttings, in variety, $6.00 per 1000. Verschaffelti, $6.00 per 1000.

Ageratum, Stella Gurney, Pauline and others, R. C., 60c.; 2¼-in. pots, $1.00 per 100. Heliotrope, all dark, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Feverfew, Little Gem, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Achyranthes Lindeni, R. C., $1.00 per 100; 2¼-in. pots, $2.60 per 100. Pilea, Artillery Plant, R. C., $1.00 per 100; 2¼-in. pots, $2.60 per 100. Ivy, German, 2¼-in. pots, $1.60 per 100.

Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

Dreer's Select Potted Roses

FOR OUTDOOR PLANTING

The Roses here offered are field grown plants which have been potted into 5 or 6 inch pots (according to the growth of the variety) during the winter months. They have been stored in cold houses and cold frames and are in the best possible condition to turn over to your retail customers for outdoor planting, giving an entirely different result from stock carried over winter in storage. For best results the plants should be shipped in pots; in this shape they will carry safely to reasonable distances by freight.

Hybrid-Tea and Other Everblooming Varieties

Two-Year-Old Plants
5 and 6 inch Pots

	Per 100
Antoine Rivoire	$30.00
Belle Siebrecht	30.00
Bessie Brown	30.00
Bon Silene	25.00
Clothilde Soupert	20.00
Caroline Testout	26.00
Catherine Mermet	25.00
Comtesse Riza du Parc	26.00
Corallina	30.00
Duchesse de Brabant	26.00
Earl of Warwick	30.00
Etoile de Lyon	26.00
Franz Deegen	30.00
Farben Konigin	30.00
Francisca Kruger	25.00
Gruss an Teplitz	25.00
Grace Darling	30.00
Gladys Harkness	30.00
G. Nabonnand	25.00
Hermosa	20.00
Hon. Edith Gifford	30.00
Joseph Hill	30.00
Kaiserin Augusta Victoria	25.00
Killarney	25.00
Lady Ashtown	30.00
La Tosca	30.00
La France	26.00
La Detroit	30.00
Lady Battersea	30.00
Liberty	30.00
Maman Cochet Pink	25.00
Maman Cochet White	25.00
Marie Van Houtte	25.00
Mrs. B. R. Cant	20.00
Mildred Grant	30.00
Mme. Abel Chatenay	30.00
Mme. Hoste	25.00
Mme. Joseph Schwartz	20.00
Mme. Jules Grolez	30.00
Mme. Margettin	26.00
Mme. Ravary	30.00
Mme. de Watteville	25.00
Mme. Welche	25.00
Papa Gontier	25.00
Perle des Jardins	30.00
Pharisaer	30.00
Prince de Bulgarie	30.00
Queen's Scarlet, or Agrippina	20.00
Richmond	30.00
Souvenir de Catherine Guillot	30.00
Souvenir de President Carnot	30.00
Souvenir de la Malmaison	25.00
Souvenir de Pierre Notting	30.00
Safrano	25.00
Sunset	30.00
Viscountess Folkestone	30.00

Hybrid-Tea Roses

Novelties and Recent Introductions

The Gems of the new varieties introduced in recent years. A few of these planted in your own borders will prove interesting during the entire season.

All in Strong Two-Year-Old Plants

	Each
Betty. (Dickson 1905)	$0.35
Countess of Gosford (McGredy 1906)	.40
Chateau de Clos Vougeot (Pernet Ducher 1908)	.75
Dorothy Page Roberts (Dickson 1907)	.75
Dr. J. Campbell Hall (Dickson 1904)	.50
Duchess of Wellington (Dickson 1909)	2.00

Hybrid Tea Rose Betty

	Each
Dean Hole (Dickson 1904)	$0.50
Elizabeth Barnes (Dickson 1907)	.75
Geo. C. Wand (Dickson 1908)	1.00
Grace Molyneux (Dickson 1908)	1.00
John Cuff (Dickson 1908)	1.00
Hon. Ina Bingham (Dickson 1905)	.50
Lady Ursula (Dickson 1908)	1.00
Lady Faire (Bentley 1906)	.50
Laurent Carle (Pernet Ducher 1907)	1.00
Mary Countess of Ilchester (Dickson 1909)	2.00
Margaret Molyneux (Dickson 1909)	2.00
Mons. Paul Lede (Pernet Ducher 1903)	.50
Mrs. Arthur Robert Waddell (Pernet Ducher 1907)	.75
Mrs. Aaron Ward (Pernet Ducher 1907)	.65
Mme. Leon Paine (Guillot 1904)	.75
Mme. Maurice de Luze (Pernet Ducher 1907)	.75
Papa Lambert (Lambert 1900)	.35
Queen of Spain (Bide 1907)	.76
Rhea Reid (Hill 1908)	.30
Walter Speed (Dickson 1909)	2.00
White Killarney (Scott 1909)	.30
William Shean (Dickson 1906)	.75
The Lyon (Pernet Ducher 1907)	.90

New Tea Roses

	Each
Harry Kirk (Dickson 1907)	$0.90
Hugo Roller (Paul 1907)	.50
Molly Sharman Crawford (Dickson 1908)	1.00

Hybrid Perpetual, Moss and Other Hardy Roses

Strong two-year-old Plants, nearly all in 6-inch pots.

	Per 100
Alfred Colomb	$25.00
Anna de Diesbach	25.00
Alfred K. Williams	25.00
American Beauty	25.00
Blanche Moreau	25.00
Baroness Rothschild	25.00
Baron de Bonstettin	25.00
Camille Bernardin	25.00
Capt. Christy	25.00

HARDY ROSES (Continued).

	Per 100
Crested Moss	$25.00
Comtesse de Murnanais	25.00
Captain Hayward	25.00
Common Provence or Damask	25.00
Clio	25.00
Charles Lefebvre	25.00
Crimson Globe	25.00
Duke of Edinburgh	25.00
Earl of Dufferin	25.00
Fisher Holmes	25.00
Francois Michelon	25.00
Frau Karl Druschki	25.00
General Jacqueminot	25.00
Gloire de Margottin	25.00
Gloire de Lyonnaise	25.00
Her Majesty	30.00
Hugh Dickson	25.00
Jean Liabaud	25.00
Louis Van Houtte	25.00
Magna Charta	20.00
Mrs. R. G. Sharman Crawford	25.00
Mrs. John Laing	25.00
Mme. Plantier	20.00
Mme. Victor Verdier	25.00
Mme. Gabrielle Luizet	25.00
Marie Baumann	25.00
Princess Adelaide	25.00
Paul Neyron	25.00
Prince Camille de Rohan	25.00
Queen of Queens	25.00
Rodocanachi	25.00
Rugosa Nova Zembla	25.00
Rugosa Blanc Double D'Courbet	25.00
Rugosa, Red	18.00
Rugosa, White	18.00
Soliel d'Or	30.00
Tom Wood	25.00
Ulrich Brunner	25.00
Victor Verdier	25.00
White Baroness	25.00
White Provence	25.00

Rambler, Climbing and Trailing Roses

	Per 100
Baltimore Belle	$20.00
Climbing Clothilde Soupert	20.00
Climbing Devoniensis	30.00
Crimson Rambler	20.00
Dorothy Perkins	20.00
Flower of Fairfield	50.00
Gloire de Dijon	25.00
Hiawatha	30.00
Lady Gay	20.00
Marechal Niel	30.00
Philadelphia Rambler	20.00
Prairie Queen	20.00
Reine Marie Henriette	30.00
Sweet Brier	15.00
Sweet Brier Lord Penzance	25.00
Sweet Brier Lady Penzance	25.00
Sweet Brier Meg. Merriles	25.00
Sweet Brier Anne of Gierstein	25.00
Sweet Brier Brenda	25.00
Tausendschon	30.00
Trier	25.00
White Microphylla	20.00
White Dorothy	50.00
Wichuraiana Evergreen Gem	20.00
Wichuraiana Gardenia	20.00
Wichuraiana Pink Roamer	20.00
Wichuraiana South Orange Perfection	20.00
Wichuraiana Triumph	20.00
Wichuraiana Universal Favorite	20.00
Yellow Rambler	20.00

Baby Rambler Roses

	Per 100
Crimson	$20.00
White	20.00
Pink	25.00

HENRY A. DREER, Inc., 714 Chestnut Street Philadelphia, Pa.

NOTE—These Prices Are for The Trade Only

Please mention the Exchange when writing.

A New Plant Food

At the last meeting of the Gardeners and Florists' Club of Baltimore Chas. Seigwart gave an interesting talk on two Salvia plants in 2-in. pots, showing the difference in growth obtained by the use of a new plant food that is not generally known to the trade. C. L. Seybold had also had some experience with the food and told the wonderful results at his plant, and what was accomplished.

This food is placed on the market by The Plant & Land Food Co., 407 East Saratoga st., Baltimore. It is put up in capsule form, under the trademark "U-TREE-T-ME" and is patented by F. G. Dokenwadel. These capsules are used by puncturing the ground around the tree and putting in the capsules necessary for the different varieties and ages of trees and plants. The food was used on a large variety of plants, flowers and ornamental trees at Carroll Park last year, and the superintendent says that most wonderful results have been obtained and that in all his experience he has never seen its equal. The food is also said to contain an anti-toxin which will remove the scale and fungus growth on plants and trees; and at Carroll Park, where it was necessary to keep men sponging Palms and plants to keep them free from scale, these same plants have not been sponged or treated except with the anti-toxin plant food for eight months, and they are healthy, free from scale, and have shown remarkable growth.

The food was also used with wonderful success at the country estate of Wm. Lanahan, at Blenheim, Md., where great results were obtained on fruit trees that were diseased, especially on Plums and Figs that would not mature the fruit until treated with this material. When the fruit was ripened it proved to be of a better quality than could be grown anywhere without the food. It is not expensive or difficult to use and should prove a great saver in fertilizer bills as it contains plant food that is immediately available. A glance at the lawn at Blenheim is very convincing as to its merit, presenting a sight seldom seen at this time of the year. The lawn was treated last year and a very remarkable difference could be noted than where other fertilizer was used. Even around the trees where the grass was always thin, where the food was put in the ground for the tree, there is now a growth of grass far superior to that on any other place. J. L. T.

VINELAND, N. J.—Miss Lealman has opened a new florist store at the Bijou, next the Journal office.

RUTLAND, VT.—T. M. Barrett, formerly of this city, has purchased a florist business in Portland, Ore.

THE GREATEST SALE OF BAY TREES Tuesday, April 19, 1910 AT 10.30 A. M.

We will offer **AT AUCTION** the following consignment of **Bay Trees** direct from Belgium, ex S. S. "Vaderland"

1 Pair **Standards**, 6½ feet diameter of crown.
4 Pairs " 45 inches " "
5 " " 40 " " "
10 " " 36 " " "

8 Pairs **Standards**, 28 ins. diameter of crown.
10 " " 24 " " "
2 " **Pyramids**, 9 feet high.

Also the Following Palms

4 **Phoenix Canariensis** .....4½ feet.
4 " " .....5½ "
4 **Phoenix Canariensis**.....6 feet.
4 " " .....7 "
8 " " .....8 "
25 **Kentia Belmoreana**, in various sizes.

In addition, a consignment of **Holland Roses, Ornamentals, Shrubs, etc.** Also several consignments of **Flowering and Bedding Plants.**

THE FRUIT AUCTION Co. Note the Day and Date

200-204, FRANKLIN ST., NEW YORK Horticultural Department J. P. CLEARY, Mgr. ***Terms Cash***

Question Box

We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some tower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(99) **Geranium Cuttings and Culture.**—How many cuttings ought Nutt, Ricard, and Poitevine stock Geraniums, from 5"-pots, under field culture, give in September, also from 2"-pots under same conditions? In an even span house with ventilation on south side of ridge, which bench is preferable as a cutting bench? How deep should sand be in bench and at what depth should cuttings be inserted? A. B. R., N. Y.

—With good soil and culture Nutt Geraniums from 2"-pots should give twelve, and 5"-pots thirty end cuttings each; Ricard and Poitevine from same sized pots ten and twenty-five each, respectively, in September. Use north bench for cuttings, filling it with about three inches of clean sand; insert the cuttings about one inch.

(100) **Cleaning off Ribbed Glass.**—Can you give me directions for cleaning soft coal smoke and metal rust off of ribbed glass; it can be gotten at only with a long handled window brush? I have tried soap and water with no effect. —G. S. F., Mass.

—As soap and water has been found ineffective, wait till a heavy rain has softened the smoke somewhat; then try kerosene, applying it with window brush or rag, following this with a strong solution of concentrated lye and water, and rinse off with hose.

(101) **Carrying Roses Over.**—H. S. N. Y.—Under the conditions you describe, we would advise that you do not run your Bride, Bridesmaid, Richmond and Maryland Roses a second Winter. Plant new stock in June.

(102) **Flower for Identification.**—H. S., N. Y.—The flower received is Rhodanthe Manglesii, which is sometimes called an "Everlasting" and is used in bouquets of dried flowers.

(103) **Norway Spruces Dying.**—I have a number of Norway Spruce trees on the lawn, besides a hedge, and both are dying in spots. The hedge has been kept trimmed for several years. The Spruces are attacked on the tip of the branches by some insects and wither and dry up. Could you tell me what they are and what remedies to apply? R. McC., N. Y.

—The Spruces in hedge are probably dying out because too much shaded by buildings or by the Spruces on the lawn. They usually do in such a position, and some of the branches of Spruce trees may die when trees are too near each other. Norway Spruces need room. They do not make a very satisfactory hedge.

(104) **Dying of Geranium Leaves.**—I had nice bushy plants until a few weeks ago; then the leaves began to turn yellow at the bottom. What treatment shall I give Apple Geraniums?—H. E. W., N. Y.

—Give your Geraniums more space; repot, if pot bound; see that each plant receives its proper proportion of water; give abundant ventilation. Give Apple-scented Geraniums like treatment, and keep down the aphis.

(105) **Pinus pinea.**—Is this variety of Pine hardy around Philadelphia?—W. E. K., W. Va.

—Pinus pinea is not hardy in the North. It is a native of the Mediterranean. Thrives best in a sandy soil, near the sea, in a sheltered situation; it is somewhat tender, not being able to stand exposure to cold blasts of wind.

New Jersey Floricultural Society

A regular monthly meeting of the New Jersey Floricultural Society was held on April 8. George Smith addressed the Society on "The Florist vs. the Gardener." The speaker dwelt upon the importance of both in the community, engaged as they were in the formation of "next to God's greatest creation," mentioned as a test of ability the successful staging so little understood and the production of effect by color scheme and harmony, and said that most of those in the trade were in it for what they can get out of it. The man who wields the rake, the shovel and the spade is not necessarily a gardener; he must bring a love for his art to bear on his work. When Mr. Smith gave up gardening six years ago, an occupation which he had then followed for fifteen years, his first impression of the florist's trade was the number of abortions which passed for floral art. He had witnessed men who had served a whole life for one or two people. The florist on the contrary must please a multitude. The highest faculty held by a gardener is his ability to start in fifteen months ahead of time to produce results, and this the successful gardener must do. If any one present contemplated launching out into the florist's business he was warned to consider first the necessity of capital in the present age for any undertaking; then the coal bills, and to read carefully of the millions of blooms consigned to the ash barrel in the past few weeks for want of sale. The man who goes into Orchids at the present time, be said, will come out all right, because of the popular demand for which there is no adequate supply; and then Orchids are light and showy. Both gardener and florist can benefit by trips to those beautiful scenes in nature such as the Adirondacks, etc.; northern New Jersey he thought was not far behind in the beauty of its scenery.

The floral display was large and varied and consisted of the season's flowers. No outside talent came in to compete for the numerous silver cups offered, and to which Messrs. Hitchings & Co. have added one more, a letter from this firm making the offer being read at the meeting. Lager & Hurrell of Summit, N. J., staged one of their superb exhibits, which consisted of Cattleyas, Dendrobiums and Phalænopsis. A specimen plant of the Phalænopsis amabilis of the Ashworth variety, with blooms of pure white, was exhibited for the first time in this country; and a spray of Dendrobium Thyrsiflorum had fifty flowers. J. B. D.

Newport (R. I.) Horticultural Society

This Society was indeed fortunate in securing the services of E. O. Orpet, of South Lancaster, Mass., to deliver a lecture on "Orchids" at its meeting on Tuesday evening, April 13. The attendance was quite good. President Robertson was in the chair. After the routine business was disposed of, Mr. Orpet was introduced, and gave one of the most practical talks that the Society has ever been favored with on such a subject, and while the cultivation of these plants was gone into, yet the most interesting feature of the lecture was that covering the raising of new varieties by hybridization.

On the exhibition table there were cut blooms of the following Lælio-Cattleyas Latona, Coronis, Balliana, Mercia, Kerchoviana, Bletchleyensis; Cattleya×Thayeriana intermedia alba; Lælio-Cattleyas Milton and Nepthys; and a Cattleya Trianæ unnamed seedling. All were among the good things produced through the speaker's efforts, and which happened to be in bloom at this time, serving to give a much better idea of what can be done than any words could, where proper facilities exist, and where there is persistent, patient, intelligent effort. The fact that it took 11 years for some of Mr. Orpet's best seedlings to produce a flower shows that very much patience is necessary.

In speaking of the culture of Orchids, generally, the speaker said that many had been spoiled by being grown in too high a temperature, particularly too high a night temperature, night being the time when all plant growth is made. In the case of Cattleyas, and even Lælia purpurata, the night temperature of a Carnation house should answer. Watering should be done in the evening, during the Summer, but in the morning during the Winter. Plants should be given all the sunshine that they will stand, and when shading has to be resorted to, green or blue paint should never be used. Roller shades are best, as they can be taken up and lowered at pleasure, according to the state of the weather. The Cattleyas had no real resting period, he said, consequently should never be totally dried off at any season of the year. The potting should be done during the resting season, which with many species is from November to April. Earthenware pots or pans were the best receptacles, and the best material was Fern roots, or Osmunda fibre as it is known; and in cases where the quality of the water was such that Sphagnum Moss thrives—as it does in Newport—then it might be used to advantage in top dressing.

By hybridization new and improved forms might be had, some of which instead of blooming once a year would bloom twice, and, besides, would show more vitality than imported stock. Of course, to produce one good new variety, sometimes hundreds of seedlings had to be raised.

The speaker highly commended the work which had been done in perfecting the "Orchid Stud Book," but bewailed the fact that credit was not always given to the raiser or originator of a variety, to whom such credit was surely due.

In the discussion which followed, and which was taken part in by Messrs. R. Gardner, J. T. Allan and C. Oscar Schultz, the Orchid fly came in for some attention. This pest has given some growers much trouble and the main question seemed to be how to exterminate it without destroying the plant. A free use of the knife on the growth in effect, it was thought, was but little better than the fly itself. At the close of the lecture Mr. Orpet was given a rising vote of thanks.

John T. Allan, gdr. for Mrs. John R. Drexel, showed some seedling Amaryllis, and to the best one was awarded the Society's silver medal. Paul Volquardson, gdr. for Mrs. Weld, showed an Amaryllis plant bearing 22 blooms, a mammoth specimen, and was awarded the Society's silver medal for superior culture. The committee on awards was composed of Richard Gardner, C. Oscar Schultz and Charles D. Stark. The offer of $50 as a prize for the Fall show by Mrs. W. Storrs Wells, was accepted.

ALEX. MACLELLAN.

Atlanta, Ga.

The Atlanta Floral Company, one of the best known floral concerns in Atlanta, which was recently purchased by and is now under the management of Messrs. A. Borg and Ivar Erikson, will be conducted on a larger and more up-to-date scale. A new department of landscape gardening will be added, and will be in charge of Mr. Erikson, who holds diplomas from the largest botanical schools, both in this country and Europe, and is a professional landscape architect and grower.

Mr. Borg, who also holds diplomas from Berlin and New York botanical gardens, and is thoroughly familiar with every detail of the floral business, will have charge of the Peachtree st. store.

EISELE'S WHOLESALE TRADE LIST

FERNS, Boston and Scottii. From 3-in. pots, $5.00 per 100.
FUNKIA variegata, strong plants, 4½-in. pots, $1.00 per doz.
CLEMATIS, large-flowering varieties, 2-year-old plants; **Jackmanni, Henryi, Mme. Veillard,** $3.00 per doz.
CLEMATIS paniculata, strong plants, $10.00 per 100; 3-in. pots, $5.00 per 100.
DRACAENA Indivisa, 4-in. pots, $10.00 per 100.
GERANIUMS, Mrs. Parker, 3-in. pots, $5.00 per 100.
PASSIFLORA coerulea, 3-in. pots, $5.00 per 100.
PASSIFLORA Pfordti, 4-in. pots, $1.00 per dozen.

Plants from 2½-in. pots, $3.00 per 100: ACHYRANTHES; LOBELIAS, double and single blue; **PARLOR IVY; VINCA** variegata; **AGERATUM,** blue; **SALVIA,** Bonfire, Zurich; **COLEUS,** Verschaffeltii, Golden Bedder, Queen Victoria, Quatricolor.

STOCK from 3-in. pots, $4.00 per 100: GERANIUMS, asst. varieties, single and double; **GERANIUMS,** Rose and Nutmeg; **DAISIES,** white and yellow; **LANTANA,** Le Naine; **FEVERFEW,** The Gem; **IVY GERANIUMS; IVY,** Hardy English; **EUONYMUS** radicans and Golden Variegated.

ROOTED CUTTINGS $1.00 per 100: SALVIAS, Bonfire and Zurich; **COLEUS,** Verschaffeltii, Golden Bedder, Queen Victoria, Quatricolor; **ACHYRANTHES** Lindenii; **PARLOR IVY.**

CARNATIONS, R. C., $2.00 per 100, from soil. Elbon, best scarlet; Boston Market.

CARNATION Napoleon III. Best hardy everblooming, crimson flowers, 2½-in. pots, $3.00 per 100.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

PLANTS AND ROOTED CUTTINGS Fine, Clean, Strong, Well-Rooted Stock

Roses from 2½-inch Pots

	100	1000
Pink Killarney	$4.50	$40.00
My Maryland	5.00	50.00
Richmond	3.00	25.00
Chatenay	3.00	25.00
Bride	$3.00	$25.00
Bridesmaid	3.00	25.00
Uncle John	4.00	35.00
Ivory	4.00	35.00
Perle	4.00	35.00

Carnation Cuttings

	100	1000
Winsor	$2.00	$15.00
Rose Pink Enchantress	1.50	12.50
Lawson	1.50	12.50

PETER REINBERG, 35 Randolph Street, Chicago

A Few of the Greenhouse Construction Improvements Made by Lord and Burnham Co. in 1909

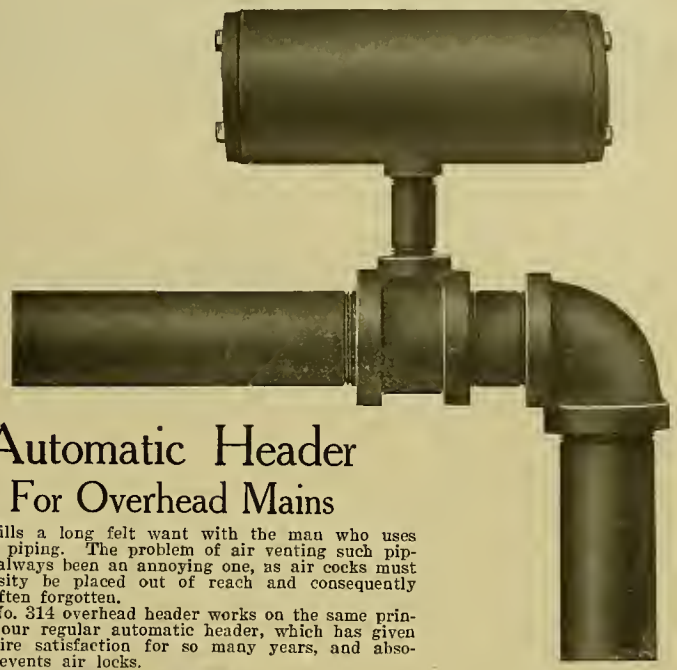
New Eave Construction

With the advent of wide iron frame houses came two problems; first, that of making the eave strong enough to safely stand the tremendous pressure of the roof brought at that point; and, second, how to handle in erection the unwieldy rafter and post which had always been welded together at the eave.

To enlarge the eave itself would have been impractical as that meant more shade, so the rafter and wrought post were joined by a double gusset plate. The posts are first set and the rafters afterward bolted fast to them, resulting in greater strength at the eave and greater erection speed, with consequent economy of labor.

To still further improve it, a drip gutter was added, preventing sill spattering.

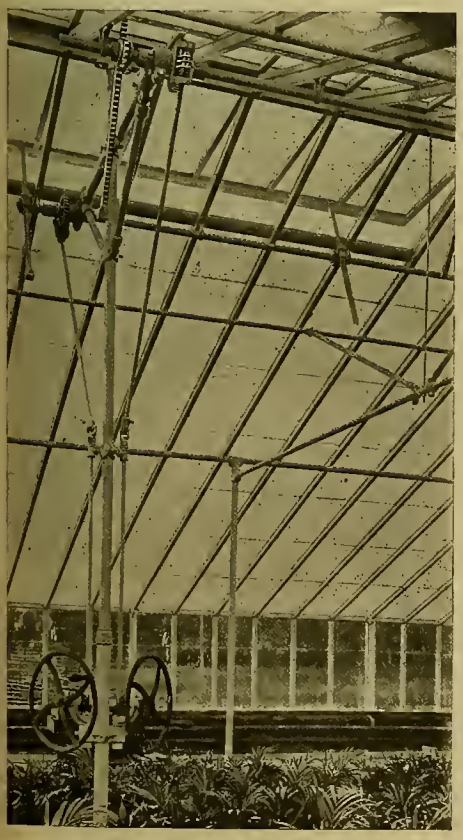
View of new side construction used in P. M. Pierson's house.



Automatic Header For Overhead Mains

This fills a long felt want with the man who uses overhead piping. The problem of air venting such piping has always been an annoying one, as air cocks must of necessity be placed out of reach and consequently all too often forgotten.

This No. 314 overhead header works on the same principle as our regular automatic header, which has given such entire satisfaction for so many years, and absolutely prevents air locks.



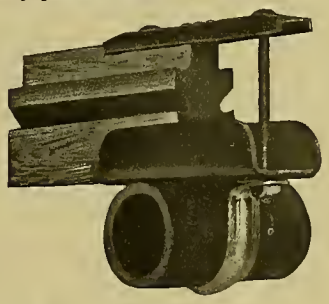
Rack and Pinion Ventilating Apparatus in Robert Craig's new range at Norwood, Pa.

Rack and Pinion Ventilating Gear

The torsion or twisting in ventilating shafts operated in the customary way has always been a drawback to long run operations. Uniform closing down of continuous sash was hardly practical beyond fifty or seventy-five feet, no matter how powerful the gear.

To overcome this, the rack and pinion principle was adopted to a modified form of our regular standard gear. It does away with the arm and rod, and in its place is used a rack or rod filled with teeth, into which the teeth of a cog-wheel on the shaft fit. The heavy load you see is lifted by this powerful device, in an almost direct way and not with the long angle movement of the arm and rod method.

It is practical for very long runs of continuous sash, and twice as long runs of alternate sash. Fred Burki installed it in his last iron frame house. Joseph Heacock will use it in his new L. & B. house. F. R. Pierson has it in his latest wide houses.



Bar Splice Plate

This plate is used for splicing bars in the wider pipe frame or semi-iron houses. The splice is made at the purlin, to which it is bound by the purlin binding clasp, which in turn is secured to the lower part of the plate by bolts, which run through the plate cap and bars. It not only makes the splice the strongest part of the bar but is weathertight as well.

New Putty Container

Putty packed in the usual wooden tubs was found to be impractical, as in hot weather the oil was likely to leak out, if stood on end. This new sheet iron container is a tight, attractive one, in keeping with the good putty it holds. It makes a hang-up tub for Hydrangeas, etc., when empty.

New Curved Eave Detail

The main feature is a combined iron reinforcement and splice plate serving to both brace the eave and securely unite the curved and straight portions of the glazing bars. It is made in part on the same principle as the bar splice plate shown in the opposite cut.

The sill and gutter are now cast in one piece, making a more finished piece of workmanship.

A. L. YOUNG & CO., 54 West 28th Street Telephone, 3559 Mad. Sq. and **Manhattan Flower Market,** 46 West 28th Street, NEW YORK Telephone, 1016 Madison Square

WHOLESALE FLORISTS ☞ Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial

Please mention the Exchange when writing.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager — Consignments Solicited

30 West 28th Street, Telephone 6237 Madison Square NEW YORK

VIOLETS are about over; but we have very fine **PEAS** in the best varieties, **pink, white, lavender** and **flesh-colored; SPANISH IRIS, blue, white** and **yellow;** also **THE BEST IN ROSES, CARNATIONS, GARDENIAS** and all other stock as usual.

Henshaw & Fenrich

WHOLESALE FLORISTS

51 WEST 28th STREET

NEW YORK

Phones 325-5582-5583 Madison Sq.

Please mention the Exchange when writing.

NEW YORK, April 13.—The cut of flowers this week has shortened. This may not be true in all lines but it is true in general. In some cases prices have advanced and the market has a better tone. The higher grades of flowers have a price again, and are no longer sold for whatever is offered. American Beauty Roses, specials, sell in small quantities at 30c. each, but in larger sales the best price realized is around 25c. Fancy Killarney and My Maryland sell for 10c. The supply of white Roses is somewhat short. Bride is moving at 8c. and Bridesmaid at 6c., for fancy special grades. The demand for Richmond has slackened but some long-stemmed specials reach the 15c. mark.

Carnations are moving at better prices, and 3c. each is obtained for fancy stock. One or two special varieties bring a penny or two more.

The supply of Gardenias is sufficient to meet every demand and the best grades are selling for $2 per doz. In Orchids, Cattleyas of the best grade are not over-abundant, and realize 60c. each. There are only a few Cypripediums offered and these are selling for $1.50 per doz.

Lilies and Callas have recovered somewhat from slump prices, the former realizing in smaller sales 6c. and the latter 10c. for best grade, but most sales are, respectively, around the 3c. to 6c. mark. There is a better demand for Lily of the valley, and some top grade stock realizes 4c.

Violets are nearly over and Southern bulbous stock has ceased to arrive. The cut of Sweet Peas is not equal to the demand, and prices are firmer; $1.50 per doz. bunches is the selling price for best grades.

Bulbous stock is not so much in evidence. Some best grade of Daffodils and Tulips are moving well at 3c. each. Miscellaneous Spring flowers of all kinds are on the market, and meet with a fair demand. The better condition of the market is not due to increased sales, but to the shorter cut of flowers.

PHILADELPHIA, April 11.—Last Saturday night found the market well cleaned up on practically all kinds of stock. The cut of Roses, Carnations and Sweet Peas has shortened, especially the last named. Violets are nearly over, and southern Daffodils have ceased to arrive. There is no sharp advance in prices, but there is an upward tendency and a firmer market, especially on the higher grades of flowers.

American Beauty Roses, specials, are selling at $4 per doz., but in larger quantities about $30 per 100 is the price paid. Killarney, My Maryland, and Bride are moving well at 10c. for top grade; and special Richmond and Mrs. Jardine realize 15c. Bridesmaid and Kaiserin in some transactions have sold for 8c. but most sales are around the 6c. mark.

Carnations are arriving in better condition and are realizing decidedly better prices, fancies selling in some few cases for 3½c., but most sales are at 3c. each.

In Orchids, Cattleyas, best grade, are selling at 60c. each, and Dendrobiums at 40c. Gardenias have advanced somewhat and top grades are selling for $3 per doz.

The supply of Lilies is shortening very perceptibly and best grades are selling for 12c.; Callas for 10c. Lily of the Valley is moving well at $3 per 100 for best grade. Sweet Peas are off crop, and $1 per 100 is easily realized for good flowers.

The demand for such bulbous stock as is still offered is rather slow, and there is little change in prices except in double Tulips, which are realizing $4 per 100 for fancy stock.

The supply of hardy Ferns is short and there is an advance in price to $2.50 per 1000. Miscellaneous stock is cleaning up fairly well. On the whole the market is in a better condition than one week ago, and a moderate advance in prices is looked for.

BOSTON, April 12.—Market conditions have not changed much since last week. There is an oversupply of all kinds of flowers. The quality of the flowers is of the very best, even bulbous stock with the largest growers looking very well; but there is an immense quantity seen everywhere. Roses, which were scarce throughout the Winter, are over-abundant now. The boys on the street have a great harvest at the present time and they are disposing of immense quantities and are paying good prices for their flowers. They certainly can get rid of quantities of stock as they come into contact with the general public, and in the Spring people are more fond of flowers than at any other season and buy more freely. Hence the reason of the large disposals on the street.

Roses are very plentiful and have dropped considerably in price. The better grades of some varieties are still bringing fair prices.

Carnations are quite plentiful and the very hot weather affected them somewhat, the color in some varieties becoming lighter. Prices have dropped considerably.

Violets are all gone; the hot weather finished them up quickly. Sweet Peas in all grades are abundant; poor grades go at very low prices but the finer grades still bring remunerative prices. Lilies are plentiful and prices are lower. Pink, white and yellow Antirrhinum are the favorite colors, and fine quality stock brings fair prices. Good Callas are plentiful and prices are slightly lower. Bulbous stock is very abundant and prices are away down. Gardenias are plentiful and are not bringing the choice prices of some weeks ago.

All green goods are in good demand. There is an especially steady demand for Asparagus Sprengeri and plumosus, and Adiantum. R. C.

CHICAGO, April 12.—There is a decided change in the market, not so much in the advance of prices, or of the demand, but the stock in nearly all indoor lines has diminished, relieving the market to a marked degree of the over-abundant stock, that has been conspicuous in the past few weeks.

American Beauty Roses still come in fine form, but in less quantities; prices hold stiffly at $3 per doz. All other Roses are in lighter supply and move off on a better paying basis than for some time. Some of the growers report crops going off rapidly, which will bring the next crops in nicely for Decoration Day.

Carnations are variable, some days arriving in unlooked for quantities, next day about equal to demand. The cool weather the past week has been a great factor in reducing the stock. Fancy stock is holding at 3c. while $1.50 and $2 per 100 is commanded for general stock.

Sweet Peas are the one thing, at present, in demand, and the supply is not nearly sufficient to meet all requirements. There are, however, some good quality flowers to be had, which easily sell at $1 per 100.

Bulbous stock is disappearing gradually, and there is not nearly half the quantities in any line as were to be found last week. Some excellent double Tulips and Jonquils are commanding attention. Hyacinths are practically done for, as also Freesias and Paperwhites.

Lilac from the southern part of the State arrives in much better condition than in the previous week. The demand is not very great, however. Lilies and Callas are a drug on the market, very few being sold the past week, and the prices have dropped to 6c and 8c. each. Orchids are scarce; many more could be disposed of if they were obtainable, as nearly all wedding orders are calling for Orchids in some form. Daisies are beginning to arrive in excellent form and are in demand for bridal bouquets and decorations. Mignonette is still being cut and fine full-flowered spikes are coming. Many Spring flowers and much miscellaneous stock can be seen at all houses, with very little call for them except for window trimming. Greens are up to the standard in all ilnes, excepting Ferns, which are not at all what could be desired; this trouble will however be eliminated shortly by the arrival of the new stock.

ST. LOUIS, April 11.—Trade continues inactive all over the city. A few of the West End florists had weddings to work on and those down town were busy some days with funeral work. In the West End they say blooming plants have the call over cut flowers at present and at good prices. The commission men had their hands full all week disposing of their consignments. Stock of all kinds has been plentiful and cheap and all the stores were loaded down daily.

Harrisii Lilies and Callas have been almost a glut, and were offered as low as $5 per 100. Roses did not bring over $6 per 100 for long, fancy; white and pink sold fairly well; with no sale for reds. American Beauty Roses, fancy long, brought $3 per doz., and medium $2; shorts from $3 to $6 per 100. Carnations sell well but the market is over-crowded. To dispose of them all, good grades sold as low as $1 per 100, and $8 in 1000 lots; colored stock was generally dumped; white and light shades sold well. Lily of the Valley has been bringing $3. Lilac is in abundance and sold well for a few days. All bulb stock is in plenty and demand slow. In greens, the market is long on everything with Smilax and Galax in good demand. ST. PATRICK.

INDIANAPOLIS, April 11.—Outdoor flowers are fully a month in advance of other years in development. The early flower season is at variance with any previous year, as recollected by local florists, Lilacs, Spiræas, Crab-Apple blossoms, Redbud and numerous other flowers generally welcomed for Memorial Day are now in full bloom. Field grown bulbous stock can be no longer held in check and is being marketed at low figures.

Fortunately, the heavy supply of outdoor material is offset by light crops in the greenhouses. Carnations in particular are cut in small numbers and are readily wholesaled at $2.50 to $4 per 100. Roses, because of the continued beautiful weather, are showing an indifferent quality. The Killarneys sell best at $6 to $8 per 100 for select stock. American Beauty are fairly good at $5 to $35 per 100. Bride and Bridesmaid are more pentiful than the rest at $2 to $8 per 100. $1 to $3 per doz. are the general retail prices for all but American Beauty which bring $2 to $9 per doz.

Violets are troublesome in that the shop men can never be certain as to the condition in which they may arrive. Indiana wood Violets are used for some purposes at 20c. per 100. Eastern doubles retail at $1.50 to $2 per 100.

Funeral work in liberal quantities causes Lilies and Callas to become good property at $10 to $15 per 100. Surrounding towns and villages lend their aid at this season in promoting small counter sales. About everything from a lawn mower to Orchids is inquired for at the flower shops. The conservatories receive much attention from the retail trade and specimen plants are moving exceptionally well. I. B.

National Council of Horticulture

The third installment of the press service of the National Council of Horticulture has been distributed by J. H. Burdett, 1720 West 104th Place, Chicago. The subjects covered are "Arrangement of Shrubs and Flowers in the Yard"; "Root Celery"; "A New Way to Grow Pole Lima Beans"; "What to Grow In Vacant City Lots"; "Nasturtiums"; "Planting and Care of Perennials."

Firms Who are Building

CALVERTON, N. Y.—W. J. Benjamin is doubling his greenhouse plant.

NORFOLK, CT.—Robbins B. Stoeckel is planning to erect a greenhouse on the Litchfield road.

PORT HURON, MICH.—Asman the florist is building a large greenhouse just south of Lakeside Park.

NEW CASTLE, IND.—The F. J. Benthey Co. is rebuilding its greenhouses damaged by snow last February.

EARLINGTON, KY.—The management of the Pleasant View Greenhouses is to build three additional houses this Spring.

J. K. ALLEN

WHOLESALE COMMISSION FLORIST

106 W. 28th St., New York

I have room to handle more consignments to advantage, of **Roses, Carnations, Violets, Valley, Tulips** and other stock. Highest prices. Prompt returns. Give me a trial. Your correspondence appreciated.

Tel. 167 Madison Square. Open 6 o'clock every morning

Please mention the Exchange when writing.

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BONNET & BLAKE
Wholesale Florists
130 Livingston St., BROOKLYN, N. Y.
Telephones: 1293-1294 Main
We solicit consignments of cut flowers, especially of good ordinary carnations; prompt returns and payments. Out-of-town orders carefully attended to. Give us a trial.

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Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary

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Wholesale Commission Dealers in Cut Flowers and Supplies
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GEORGE W. CRAWBUCK, Manager

GROWERS, ATTENTION!
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110 West 28th Street
Phone, 561 Madison Square NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888

Phone 2336 Mad. Sq.
Greenhouses: FOREST HILL, N. J.
KESSLER BROS.
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PLANTSMEN & FLORISTS
50 West 28th Street, NEW YORK

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Wholesale Commission Dealer in
CUT FLOWERS
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Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
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Telephones 4626, 4627 Mad. Sq. Established 1891.

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Wholesale Florist
CONSIGNMENTS SOLICITED
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Telephone: 3393 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
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VIOLETS CARNATIONS AND ROSES
Shipping orders receive prompt attention
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TELEPHONES: 798 AND 799 MADISON SQUARE
CONSIGNMENTS SOLICITED

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664--1665 MADISON SQUARE
ENOUGH SAID

PHILIP F. KESSLER Commission Dealer in Cut Flowers
Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
55 & 57 W. 26th St., New York City
FINEST CALLAS AND LILIES EVERY DAY IN THE YEAR
Tel. 5243 and 2921 Madison Square. Residence, 345 J. Newtown.

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, April 13th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	15.00 to 25.00
" extra	10.00 to 15.00
" No. 1	8.00 to 10.00
" No. 2	6.00 to 8.00
" No. 3	4.00 to 6.00
Killarney	2.00 to 8.00
White Killarney	2.00 to 8.00
My Maryland	2.00 to 8.00
Richmond	3.00 to 12.00
Mme. Abel Chatenay	.... to ....
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	4.00 to 6.00
" extra	2.00 to 4.00
" No. 1	1.00 to 2.00
" No. 2	.... to ....
Adiantum	.... to 1.00
Croweanum	.... to 1.00
Antirrhinum (per bunch)	1.50 to 2.00
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.16 to .25
Sprengeri, bunches	.15 to .25
Bouvardia	.... to ....
Callas	4.00 to 8.00
Daffodils	1.00 to 3.00
Daisies	1.00 to 1.50
Ferns, per 1000	1.50 to 2.00
	.... to ....
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.75 to 1.00
Standard Varieties: White	1.00 to 1.50
Standard Varieties: Pinks	1.00 to 1.50
Standard Varieties: Red	1.00 to 1.50
Standard Varieties: Yel. & Var.	1.00 to 1.50
Fancy (The highest grades of Sta'd varieties): White	2.00 to 3.00
*Fancy: Pinks	2.00 to 3.00
*Fancy: Red	2.00 to 3.00
*Fancy: Yel. & Var.	2.00 to 3.00
Novelties	.... to ....
Gardenias, per doz.	1.00 to 2.00
Lilac, per bunch	.50 to 1.00
Lilies, Harrisii and Longi.	2.00 to 6.00
Lily of the Valley	2.00 to 3.00
Mignonette, per doz.	.50 to .75
Narcissus	.50 to 1.00
Orchids, Cattleyas	50.00 to 60.00
Cypripediums, per doz.	.... to 1.50
Dendrobium Formosum	.... to ....
Pansies, per doz. bunches	.50 to .75
Poinsettias per doz.	.... to ....
Hyacinths	.50 to 1.00
Smilax (per doz. strings)	1.50 to 2.00
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.75 to 1.50
Tulips	1.00 to 3.00
Violets, single	.... to ....
" doubls	.15 to .20
	.... to ....

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST. NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1998 Madison Square JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

New York

Many retailers are already busy filling window boxes with the hardier plants, such as Pansies, English Daisies and Hyacinths; and some, at the demand of more venturesome buyers, are using even the more tender plants for this work. The most pleasing combination of plants for this use so far noticed is scarlet Geraniums, Paris Daisies and English Ivy vines.

Kessler Bros, 50 W. 28th st., report a very satisfactory business in window box and bedding plants, beginning directly after Easter and steadily increasing.

P. Hamilton Goodsell, who deals in nursery stock, with office at Room 503 Singer bldg., finds Spring trade opening early with a good demand for ornamentals in which he especially deals.

Miller & Carr, the new and efficient managers of the American Nursery Co., which represents in this city the Bloodgood Nurseries of Flushing, L. I., and the F. & F. Nurseries of Springfield, N. J., with offices at Room 539 Singer bldg., report a steadily increasing business and a good outlook. This company handles, especially, ornamentals, shade trees and forest seedlings, and has recently gotten out some interesting pamphlets along these lines. Among other large orders they are filling are some from Thomas F. Ryan of the Metropolitan Street R. R., for his 17,000-acre estate at Oak Ridge, Va.

Mrs. A. Warendorff is at present ably managing the florist business at 1192 Broadway while Mr. Warendorff is taking a much needed rest in South Carolina. She reports business reasonably good and orders booked for several weddings in the near future.

Brower's Sons, 158 Broadway, report about the usual business for this season. Mr. Brower is interestingly reminiscent of the florist business of thirty years ago, when he obtained his flowers from the growers as best he could, sometimes acting as his own horse.

The Rosary Flower Co., 24 East 34th st., is displaying some interesting importations of Boxwoods, grown in some forty different forms, among which are chairs, vases, peacocks, ducks, and an immense goose.

C. A. Dards, at Madison ave, and 44th st., who makes a specialty of supplying hotels with Palms, and other green stock, has about eighty hotels now on his list and employs ten men at this branch of his business. Mr. Perry manager of the branch store at 114 W. 72d st., reports nine weddings already booked for May.

The Empire Floral Co., 71 Broadway, S. Anderson secretary, is, as usual, catering to the trade of the financial district. This company also does a large steamer and foreign order trade.

Hitchings & Co, 1170 Broadway, have recently completed a large range for J. Ogden Armour, Liberty Mills, Ill.

Carl Jurgens, Newport, R. I., will in future dispose of his cut of flowers through his own salesman at the New York Cut Flower Co.'s quarters, 55-57 W. 26th st., beginning May 1.

John Mangan, now with Frank Millang of the N. Y. Cut Flower Exchange, will go into business May 1 as successor to Muller & Stokes, 413 Gates ave., Brooklyn. This business has been conducted by Mr. Stokes and wife, who is a daughter of John Muller, under the above firm name.

Mrs. Alfred Winnefeld, wife of Alfred Winnefeld of the firm of Lehnig & Winnefeld, Hackensack, N. J., died on Thursday, April 7, of pneumonia, after a nine days' illness, and was buried Sunday, April 10. H. Kuhnert of H. Kuhnert & Sons, Hackensack, N. J., father-in-law of Fred. Lehnig, Alfred Winnefeld's partner, died April 7, and was buried Sunday.

Susan Scott Lustgarten, daughter of Charles Lustgarten, the florist of Elmhurst, L. I., was fatally burned at Adelphi College, Lafayette ave. and St. James' Place, Brooklyn, on the evening of April 8. The freshmen of the college were giving an entertainment to the Juniors. A bowl of burning alcohol was standing on a table around which the freshmen were giving a shadow dance. Miss Lustgarten's gown caught fire, and although her chums, Miss Besch and Miss Cook, bravely subdued the flames, being painfully burned in so doing, her burns were so serious that she died soon after reaching the hospital.

The schedule of passenger steamship sailings from New York, Boston, Philadelphia and San Francisco, appearing in the retail columns of the Florists' Exchange, has already elicited favorable comment.

Charles Millang has recovered from his

recent illness sufficiently to be out again.

August Schmidt has changed his quarters from 180 Ave. B to 321 First ave.

Last Tuesday another very successful sale was held by the Fruit Auction Company. Hardy Roses were largely represented and were in particularly good demand, as all the stocks offered were of exceptional quality, especially the tree Roses. There was also a good assortment of shrubs and some bedding plants, but bedding plants have not as yet started to any great extent. Manager Cleary is arranging some very interesting sales for the coming weeks and continued large attendance is assured.

The auction sales of Wm. Elliott & Sons of last Tuesday and also the previous Friday, drew, as usual, a large attendance and bidding was spirited and prices good. Bedding plants have begun to make their appearance, the last sale including Pansies and Daisies, of which the quality was good. Roses, ornamental vines, bulbs and roots made up the balance of both these sales.

The proposed plant and flower market under Queensboro Bridge was an important topic for discussion at the meeting of the New York Florists' Club last Monday evening. In accordance with arrangements then made there is to be a special meeting of the Club at its rooms, Grand Opera House Building, 23d st. and Eighth ave., on Monday evening next, April 18, to formulate plans, to which meeting are invited all members of the other associations interested in the project. There should be a large attendance at this meeting.

Hunting for new quarters is the order of the day in the wholesale district of 28th st. In addition to the changes noted in these columns last week at least one other wholesaler will shortly announce a new address. Ford Bros., who had secured a lease on the quarters now occupied by the Manhattan Flower Market have, it is understood, surrendered the lease for a handsome consideration; and Alfred H. Langjahr, who had leased the quarters at present occupied by Ford Bros., has also received compensation for his abandonment of the lease and remains in his old quarters for the present. Ford Bros. will seek a new location. In the number of changes made this season, and the probable establishment of a regular plant and flower market on a Covent Garden scale, there are many who see signs of the passing of the 28th st. wholesale district.

The store of Wadley & Smythe, 491 Fifth ave., was closed on Wednesday, on account of the death of the mother of F. W. Smythe, which occurred early on that day.

Word received from J. McHutchison of McHutchison & Co., 17 Murray st., this city, and written when nearing Liverpool (April 4) advises his friends that he is on a regular business trip through Europe and is due to return about the middle of May.

John H. Troy, of the Rosary Flower Co., New York, who is a resident of New Rochelle and an alderman of that city, lectured before the Pelham Heights School last week, dwelling on the value of trees, the necessity for reserving spaces for parks and playgrounds and urging the education of children in Nature and plant life. That his address was interesting is evident from the fact that he was plied with questions for three-quarters of an hour after his lecture closed. Mr. Troy is prominent in the endeavor to establish in his home town school garden plots for truant children and others during the Summer, and has agreed to furnish all seeds and plants necessary to start the work, and will also personally supervise it.

Detroit

An overabundance of material with a great decline in counter sales, as well as in orders, characterized the past week's local condition. Neither wholesale nor retail prices have experienced any change and phenomenally good weather helps the fakirs to a great harvest.

The busiest of all just now is the nurseryman, and his activity can be seen on almost every street. A constantly increasing circle of family residences is beginning to evolve demand for a greater variety of shrubs. In many cases small attempts in planting herbaceous borders can be noticed. While the action of the beautification germ may be slow it is taking good root, though, and many a landlord realizes that the planting of flowers and shrubs brings forth more desirable tenants.

FRANK DANZER.

Pittsburgh Cut Flower Co.
Wholesale Florists and Growers
The House that Has and Sells Good Goods at Fair Prices
Salesroom: 222 Oliver Ave., PITTSBURGH, PA.
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Apr. 11, 1910	Pittsburg Apr. 12, 1910	NAMES AND VARIETIES	Boston Apr. 12, 1910	Detroit Apr. 10, 1910	Cincinnati Apr. 11, 1910
to 25.00	20.00 to 30.00	Roses—A. Beauty, fancy—special	25.00 to 30.00	25.00 to 30.00	to 30.00
to 20.00	10.00 to 15.00	" extra	10.00 to 15.00	20.00 to 25.00	to
to 12.60	6.00 to 8.00	" No. 1	4.00 to 8.00	10.00 to 20.00	to
4.00 to 8.00	to 3.00	" No. 2	2.00 to 6.00	6.00 to 10.00	to
to	8.00 to 15.00	Killarney	2.00 to 8.00	to	2.00 to 6.00
to	3.00 to 15.00	White Killarney	2.00 to 8.00	to	2.00 to 6.00
to	3.00 to 10.00	My Maryland	2.00 to 8.00	3.00 to 6.00	to
4.00 to 6.00	4.00 to 12.00	Richmond	2.00 to 8.00	3.00 to 8.00	2.00 to 8.00
4.00 to 6.00	to	Perle	to	to	to
to	to	Golden Gate	to	to	to
4.00 to 6.00	2.00 to 8.00	K. A. Victoria	to	3.00 to 8.00	to
to 8.00	to 10.00	Bridesmaid, fancy—special	to 6.00	6.00 to 8.00	to 6.00
to 6.00	to 8.00	" extra	2.00 to 4.00	4.00 to 6.00	to
to 4.00	4.00 to 6.00	" No. 1	to	3.00 to 4.00	to
to 2.00	2.00 to 3.00	" No. 2	to	to	to 2.00
to 1.00	1.00 to 1.25	Adiantum	1.00 to 1.50	.75 to 1.00	to .50
to	to	Antirrhinum, (per bunch)	to	to	to
to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	35.00 to 50.00	to 30.00	to 10.00
to 30.00	20.00 to 30.00	" Sprengeri, bunches	35.00 to 50.00	to 30.00	to
to	to	Bouvardia	to	to	to
to 10.00	8.00 to 12.00	Callas	to	to 12.50	4.00 to 8.00
to	to	Chrysanthemums	to	to	to
to	to 1.50	Carnations—Inferior grades, all colors	to	to	1.00 to 1.50
to 2.00	1.60 to 2.00	Standard Varieties: White	1.00 to 2.00	1.00 to 2.00	to
to 2.00	1.50 to 2.00	Standard Varieties: Pink	1.00 to 2.00	1.00 to 2.00	to
to 2.00	1.50 to 2.00	Standard Varieties: Red	1.00 to 2.00	2.00 to 3.00	to
to 2.00	1.50 to 2.00	Standard Varieties: Yellow and var.	to	to	to
to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	1.00 to 2.00	2.00 to 3.00	to
to 3.00	2.50 to 3.00	*Fancy: Pink	1.00 to 2.00	2.00 to 3.00	to
to 3.00	2.60 to 3.00	*Fancy: Red	1.00 to 2.00	3.00 to 4.00	to
to 3.00	2.50 to 3.00	*Fancy: Yellow and var.	to	to	to
to 3.00	to 1.00	Daffodils	.50 to 1.50	to 3.00	to
to .50	1.00 to 2.00	Daisies	to	1.00 to 2.00	to
to .25	.15 to .20	Ferns, hardy	to	to .20	to
to	to	Freesia	to	to	to
to .20	to .12	Galax, green and bronze	to	to .12	to
to	.25 to .50	Gardenias	.75 to 1.50	to	to
to	6.00 to 10.00	Lilac, (per bunch)	to	to	to
to 3.00	2.00 to 4.00	Lilies, Harrisii and Longi.	4.00 to 8.00	12.50 to 15.00	to 15.00
to 3.00	2.00 to 3.00	Lily of the Valley	to	3.00 to 4.00	to
to	1.00 to 1.50	Mignonette	1.00 to 2.00	3.00 to 6.00	to
to	60.00 to 75.00	Narcissus	to	to 3.00	to
to	to 15.00	Orchids—Cattleyas	to	to	to
to		Cypripediums	to	to	to
to 1.00	to 1.00	Dendrobium Formosum	to	to	to
to	to	Pansies, per doz. bunches	to	to	to
to 1.50	to 2.00	Romen Hyacinths	to	4.00 to 6.00	to 3.00
to	to	Smilax, (per doz. strings)	to	to 1.50	to
.50 to 1.00	.25 to 1.00	Stevia, per bunch	to	to	to
to 3.00	to	Sweet Peas	.35 to .50	.50 to 1.00	to 1.00
to	.35 to .50	Tulips	to	3.00 to 4.00	to
to	.35 to .50	Violets, single	to	.50 to .75	to
to	to	" double	to	.50 to .75	to
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.
SPECIALTIES
CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY
And all other seasonable flowers in quantity
WELCH BROS.
226 Devonshire Street.
Please mention the Exchange when writing.

E. G. GILLETT
WHOLESALE FLORIST
Successor to Gillett & Ohmer
131 East 3rd St. CINCINNATI, O.
All Cut Flowers in Season
I Sell Heller Bros. Roses
I Manufacture Wire Work
Illustrated Catalogue for the asking.
Get your order in now for
HANGING BASKETS
The Best—The Strongest—The Cheapest
Green Sheet Moss, $1.00 per Bundle
Sphagnum Moss, $1.00 per Bale
Please mention the Exchange when writing.

GROW MUSHROOMS
If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.
Special rates will be made to the trade who wish to supply their customers.
THE FLORISTS' EXCHANGE
2-8 Duane Street, New York.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES
C. C. Pollworth Co.
Milwaukee, Wis.
Please mention the Exchange when writing.

The McCallum Company
WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE
Headquarters of Western Pennsylvania Growers
937 Liberty Ave., PITTSBURGH, PA.
Please mention the Exchange when writing.

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS
457 Milwaukee St., MILWAUKEE, WIS.
'Phone, Main 874. P. O. Box 108.
Please mention the Exchange when writing.

Philadelphia

The Leo Niessen Co. is shipping My Maryland Roses to Florida, where they are arriving in good condition.

The mailing trade of the Robert Craig Co. is opening up early and daily increasing.

All hands at W. E. McKissick & Bros., when the day's sales are over are busy bunching a large invoice of hardy Ferns.

The S. S. Pennock-Meehan Co. reports a better condition of the market than at any time since Easter. Mr. Glass of this house is suffering from an attack of rheumatism. A four-year-old son of Edward Dornheim, salesman for the house, died of brain fever last week, and was buried Saturday last.

The fourteen-year-old son of Charles Bradin, 225 S. 36th st., died Monday morning, after a very brief illness. He was a talented young singer, having appeared recently at Keith's and Carncross' and at several society events. He was to have gone abroad this Summer for study in the musical conservatories of Europe.

Frank M. Ross is running two stores, one at 206 E. Girard ave., and another at 13 S. 6th st., and reports a good trade in cut flowers.

The Philadelphia Cut Flower Co., 1515 Sansom st., is doing a satisfactory business.

The annual sale of imported nursery stock conducted by Samuel F. Freeman & Co., auctioneers, is now going on at their storage house on Ludlow st. Much excellent stock is displayed.

At the meeting of the Philadelphia Florists' Club, Tuesday evening, May 3, Antoine Wintzer of Conard & Jones Co., West Grove, Pa., will read a paper on "Roses."

Large replacements of trees are being made on Broad st. The variety used is the Oriental Plane tree. Our forefathers planted many of these trees, and immense specimens may be seen still in some parts of our country. There has been a revival of their popularity during the past few years. A. F. O'Connell, of the Overbrook Nurseries, City ave. and Lancaster ave., is furnishing the stock and attending to the work.

Boston

The warm weather in the early part of the week was almost unbearable, with the thermometer at 80°. However, we are pleased to say that Saturday and Sunday were slightly cooler and much more seasonable.

Flowers are extremely abundant and hard to make an outlet for; most especially is this so with Roses and bulbous material and many are beginning to think that flowers will be scarce for Decoration Day. The boys on the street are heavy buyers at present of all kinds of flowers and pay just as good prices as the retail stores. These boys come in contact with the common people who are, most of them, great lovers of flowers, and who are taking advantage of the low prices to buy freely. The flowers are of the best quality, and customers get their money's worth.

Vegetation out of doors is growing at a tremendous rate and, with Thursday's rain and warm sunshine, many shrubs will be in leaf in a few days. Evergreens of all kinds are doing finely this Spring and if it wasn't for breakage from snowstorms they would have pulled through remarkably well.

A. Leuthy of Roslindale has returned from a trip to New York and Philadelphia. He went principally to study conditions of trade, visiting most of the large growers, and reports that in most of the places he found Easter stock had been cleaned up very well with the exception of Lilies and Azaleas of which there were a few left. Mr. Leuthy says his own business at Easter this year was 30 per cent. better than any previous year.

Circling the Hub News

H. H. Barrows the Fern grower of Whitman, Mass., has a fine stock of Nephrolepis Bostoniensis and Whitmani in large and small specimens. He speaks very enthusiastically of his N. magnifica, and thinks it is one of the best varieties when the right conditions are given it and when one knows how to handle it. He says that customers claim it is the best house Fern of any variety, which is a good point in its favor.

William Sim of Cliftondale, the Sweet Pea King, is moving this week into his new residence, which is a very hand-

Did It Ever Occur to You

that the large retail stores, in almost every line, to draw trade, offer some article at an attractive price?

Look through the daily papers to convince yourselves. Such sales are not without profit, and it familiarizes the public with your establishment. It means many sales and small profits; but a good profit for a day's work and an abundance of good advertising.

You have opportunities now to offer your trade "SPECIAL SALES" in cut flowers. Give the suggestion some thought. Let us know the quantity you can use, and we will quote you.

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA
Open from 7 A.M. to 8 P.M.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Apr. 11, 1910	Buffalo Apr. 13, 1910	NAMES AND VARIETIES	Phil'delphia Apr. 11, 1910	St. Louis Apr. 11, 1910
to 35.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	25.00 to 30.00	20.00 to 25.00
20.00 to 25.00	15.00 to 20.00	" extra	12.50 to 15.00	12.50 to 15.00
12.50 to 15.00	8.00 to 10.00	" No. 1	10.00 to 12.50	8.00 to 10.00
8.00 to 10.00	2.00 to 4.00	" No. 2	4.00 to 8.00	2.00 to 5.00
5.00 to 8.00	3.00 to 10.00	Killarney	3.00 to 10.00	3.00 to 6.00
5.00 to 8.00	3.00 to 10.00	White Killarney	3.00 to 10.00	3.00 to 6.00
4.00 to 8.00	3.00 to 10.00	My Maryland	3.00 to 10.00	to
4.00 to 8.00	3.00 to 10.00	Richmond	3.00 to 15.00	3.00 to 6.00
3.00 to 6.00	to	Perle	to	2.00 to 4.00
4.00 to 8.00	to	Golden Gate	3.00 to 8.00	to
4.00 to 8.00	to	K. A. Victoria	3.00 to 8.00	to
to 8.00	to 8.00	Bride, Maid, fancy—special	to 10.00	6.00 to 6.00
to 7.00	6.00 to 8.00	" extra	5.00 to 8.00	3.00 to 4.00
5.00 to 6.00	4.00 to 6.00	" No. 1	5.00 to 6.00	to 2.00
3.00 to 4.00	2.00 to 4.00	" No. 2	3.00 to 4.00	to
to 1.00	1.25 to 1.50	Adiantum	1.00 to 1.50	to 1.50
to	to	Antirrhinum (per bunch)	to	to
25.00 to 50.00	to	Asparagus, Plumosus, bunches	35.00 to 50.00	25.00 to 50.00
25.00 to 50.00	to	" Sprengeri, bunches	35.00 to 50.00	25.00 to 50.00
to	to	Bouvardia	to	to
8.00 to 10.00	to 8.00	Callas	6.00 to 10.00	8.00 to 10.00
to	to	Chryaanthemums	to	to
1.00 to 1.50	1.50 to 2.00	Carnations—Inferior grades, all colors	1.00 to 1.50	to 1.50
to 2.00	1.50 to 2.00	Standard Varieties: White	1.50 to 2.00	1.00 to 1.50
to 2.00	1.50 to 2.00	Pink	1.50 to 2.00	1.00 to 1.50
to 2.00	1.50 to 2.00	Red	1.50 to 2.00	1.00 to 1.50
to 2.00	to	Yellow and var.	1.50 to 2.00	to
to 2.50	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	2.50 to 3.00	2.00 to 2.50
to 2.50	2.50 to 3.00	Pink	2.50 to 3.00	2.00 to 2.50
to 2.50	2.50 to 3.00	Red	2.50 to 3.00	2.00 to 2.50
to 2.50	2.50 to 3.00	Yellow and var.	2.50 to 3.00	2.00 to 2.50
2.00 to 3.00	1.00 to 2.00	Daffodils	1.00 to 2.00	to
to .20	1.00 to 2.00	Daisies	1.00 to 1.50	.35 to .40
to	to .20	Ferns, hardy	.20 to .25	to
to	to	Freesia	to	to
to .10	to .15	Galax, green and bronze	to .10	to
1.00 to 1.50	to	Gardenias, per doz.	1.00 to 3.00	to
to	to	Lilac, per bunch	.25 to 1.00	to
8.00 to 12.50	8.00 to 10.00	Lilies, Harrisii and Longi	8.00 to 12.50	8.00 to 10.00
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00
2.00 to 4.00	1.00 to 3.00	Mignonette	1.00 to 3.00	3.00 to 4.00
to 2.00	to	Narcissus	2.00 to 3.00	to
to	to	Orchids—Cattleyas	50.00 to 60.00	to
to	to	Cypripediums	to	to
to	to	Dendrobium Formosum	35.00 to 40.00	to
to .50	to	Pansies, per doz. bunches	.50 to 1.00	to
2.00 to 5.00	to	Roman Hyacinths	to	to
to 2.00	to 1.50	Smilax, (per doz strings)	2.00 to 2.50	to 1.25
to	to	Stevia, per bunch	to	to
.40 to .75	.50 to 1.00	Sweet Peas	.50 to 1.00	.20 to .40
2.00 to 4.00	1.00 to 3.00	Tulips	1.50 to 4.00	to
to	to	Violets, single	to	to
to	.40 to .60	" double	.50 to 1.00	to
to	to		to	to
to	to		to	to
to	to		to	to

Headquarters in Western New York

For Roses, Carnations,

And all kinds of Seasonable Flowers

WM. F. KASTING CO.
Wholesale Commission Florists
Dealers in Florists' Supplies and Wire designs
383-87 Ellicott St., BUFFALO, N.Y.
Give us a trial—We can please you

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

EDWARD REID
Wholesale Florist
Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias
All other seasonable flowers
1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

GROW
MUSHROOMS
If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.
Special rates will be made to the trade who wish to supply their customers.
THE FLORISTS' EXCHANGE
2 Duane Street NEW YORK

Florists' Opportunities

PRICES in Cut Flowers never were more reasonable than now, giving the live man splendid opportunities to specialize; thus enabling him to give his customers values that he could not give at any other time, values that mean wonderful drawing cards for him.

Some of Our Specials:

GARDENIAS, per doz., special $3.00, fancy $2.00, first $1.00.
VALLEY, per 100, special $4.00, extra $3.00, No. 1 $2.00.
CARNATIONS, per 100, special $4.00, fancy $3.00, first $1.50.
CARNATIONS, our selection, in lots of 500 or more, good quality, $2.00 per 100.
SWEET PEAS, extra long, $1.00 per 100.
SWEET PEAS, long and medium, 60c. and 75c. per 100.
DAISIES (White), $1.50 per 100.
DAISIES (Yellow), $2.00 per 100.
MIGNONETTE, splendid spikes, $4.00 and $3.00 per 100.
CATTLEYAS, $7.50 per doz., $60.00 per 100.
RICHMONDS and JARDINES, per 100, special $15.00, extra $10.00, first $6.00, seconds $4.00.
MARYLANDS, 2-KILLARNEYS, KAISERINS and BRIDES, special $10.00, extra $8.00, first $6.00, second $3.00.

SPECIAL A BOX OF 4 DOZEN OF THE BEST GARDENIA BLOOMS, VERY CHOICEST FLOWERS, FOR $5.00

RIBBONS. Some of the choicest novelties, exclusive patterns, an endless variety to choose from.

SUPPLIES OF ALL KINDS. CATALOGUE ON REQUEST

S. S. Pennock-Meehan Co.
The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St., Philadelphia, Pa. — 1212 New York Ave., Washington, D. C.
Stores close at 6 P. M.

WE ARE NOW BOOKING ORDERS FOR
BEGONIA LORRAINE
BEGONIA LORRAINE LONSDALE
BEGONIA AGATHA
JUNE DELIVERY

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be twice shifted. Orders filled in rotation. 2½-in. pots, $15.00 per 100, $140.00 per 1000.
Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

some and commodious building. Mr. Sim does not believe in having things done in a slipshod fashion and the grounds about his residence are laid out with shrubbery and other plants as artistically and tastefully as any private residence in this vicinity. We are always pleased to see a florist taking a pride in keeping his home grounds looking well, there is no better advertising scheme. We have a few such in this vicinity of whom we are proud in this respect. His Violet houses were all emptied and filled now with Tomatoes of which he grows 75,000 plants under glass and about the same number of plants out of doors. In the Summer he ships to Boston daily two tons of Tomatoes.

Many of the Boston retail stores have been pressed with funeral work this week.

Zinn, the Park st. florist, was exceptionally busy; he had fifteen most elaborate funeral pieces to make to be sent to the home of the late Hugh Brown, president of the Hotel and Railroad News Company, at Brookline. The most elaborate pieces were sent by the newspapers and publishing houses of the city. There were also many fine pieces from the Scotch societies and Scotchmen of Boston. Mr. Brown hailed from the land of the Heather. Galvin, Doyle and McMulkin had their share of the business and, indeed, it is a long time since so many flowers were sent to any one funeral.

Zinn's window this week is mostly made up of Aaron Ward Roses and the manager reports extensive sales of this variety.

Thomas Young, Jr. of New York has a stall in 1 Park st. market and is shipping some very fine Gardenias there which find a ready sale.

A. Hansen of Copenhagen, Denmark, has been been in town this week and is visiting all the seed stores; his specialty is Cauliflower seed.

Thomas J. Benwell, salesman for the A. H. Hews Co., North Cambridge, has suffered excruciating pain from rheumatism during the whole Winter which incapacitated him from getting about his business as early as he used to. We are pleased to report he has much improved within the last week or two. He reports

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

Please mention the Exchange when writing.

HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

51 Wabash Ave.

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Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

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E. G. HILL CO.

Wholesale Florists

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Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

Please mention the Exchange when writing.

ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, April 12, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	3.00 to	4.00
30-inch stems.. "	.... to	3.00
24-inch stems.. "	2.50 to	3.00
20-inch stems.. "	.... to	2.00
18-inch stems.. "	.... to	1.50
12-inch stems.. "	.... to	1.00
8-in. stems and shorts "	.... to	.75
Killarney	6.00 to	8.00
" extra	.... to	10.00
White Killarney	.... to	10.00
Richmond	6.00 to	8.00
My Maryland	5.00 to	8.00
Bride, Maid, fancy especial	5.00 to	6.00
" extra	4.00 to	6.00
" No. 1	.... to	3.00
" No. 2	.... to	2.00
Perle	4.00 to	6.00
Chatenay	3.00 to	6.00
Kaiserin	5.00 to	7.00
Uncle John	.... to	6.00
Mrs. Marshall Field	.... to	6.00
Adiantum	.... to	1.00
Asparagus, bunch	.35 to	.75
Sprengeri	.35 to	.75
Calla Lily	6.00 to	8.00
Chrysanthemums doz.	.... to	....
" fancy doz.	.... to	....
Daisies	.75 to	1.00
Daffodils	1.00 to	3.00
	.... to	....

CARNATIONS			
Standard Varieties	White	1.50 to	2.00
	Pink	1.50 to	2.00
	Red	1.50 to	2.00
	Yel. and Var.	.... to	....
Fancy (The highest grades of Sta'd varieties)	White	2.00 to	3.00
	Pink	2.00 to	3.00
	Red	2.00 to	3.00
	Yel. and Var.	.... to	....
Ferns, hardy, per 1000		.... to	2.50
Freesia		.... to	3.00
Galax (green)		.... to	1.00
" (bronze)		.... to	1.25
Gardenias		25.00 to	35.00
Hyacinths		.... to	3.00
Iris		.... to	3.00
Lilac, per bunch		.35 to	.50
Lilies, Harrisii and Longi.		6.00 to	8.00
Lily of the Valley		3.00 to	4.00
Mexican Ivy		.... to	1.00
Mignonette		3.00 to	5.00
Narcissus—Paper White		.... to	3.00
Orchids—Cattleyas		40.00 to	50.00
" Cypripediums		15.00 to	20.00
Pansies		.... to	.75
Smilax		12.00 to	15.00
Sweet Peas		.75 to	1.00
Tulips		.... to	.40
Violets, single		.... to	.40
" double		.... to	.60
		.... to	....
		.... to	....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

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brisk business at the pot factory this Spring.

W. J. Aylward has bought out the Hovey retail stores at Woburn and is going to carry on the business with first-class flowers and plants which will come from his own greenhouses. This is a good location and, with the fine stock he grows and which he will serve to his customers we feel he is entitled to a remunerative business; at least that is the wish of his numerous friends.

Caroline Ball of Southboro, Mass., has some houses of Carnations which are grown in solid beds and which look extremely well. Her Enchantress Carnations which are consigned to Park st. market are of fine quality and the color is good.

Leonard Cousins of Concord Junction is making extensive alterations at his greenhouses. He is pulling out his Kroeschell and Furman boilers which are to be replaced by two large steam boilers; he is also to have a new greenhouse, to be erected by the King Construction Co., this Summer.

Charles Holbroo of Brighton is erecting another large greenhouse; the builders are the King Construction Co.

John J. Butterworth of South Framingham has a house of Cattleya Mossiæ coming into flower; the crop is extra fine and his plants splendid specimens. He is an expert on Cattleyas and has some handsome specimens coming along for the big Orchid exhibition in May. He has also some good specimens of Oncidium concolor. Twelve plants of Dendrobium nobile virginale, the true white variety, are in bloom. Phalænopsis Schilleriana is also carrying fine long graceful spikes of its showy flowers. He finds a ready sale for all his Orchid flowers.

L. Cousins, Jr. of Concord Junction, Mass., reports his Pansies in fine shape. Owing to the mild Spring weather coming so early, Pansies are as far advanced as they would be in May of ordinary years. They are covered with blossoms and his fine large field of 250,000 plants is a sight worth a journey to see. Shipments are being made daily to florists all over the country.

Mrs. E. M. Gill, the Medford florist, has been confined to her home for the past three weeks with grippe. She was able to reach Horticultural Hall last Saturday for the first time in several weeks and her friends there welcomed her. She says that in her fifty-five years' experience in horticulture she cannot remember a Spring with weather like that we have had to date.

Horticultural Hall is rented for the evening of Tuesday, April 19, therefore the Gardeners and Florists' Club meeting, which was announced for that date has been postponed until the evening of Tuesday, April 26. R. C.

Chicago

It is impossible to make any decided statement regarding the conditions of the trade, as one day finds a good demand for flowers in nearly all lines, with the next day's stock waiting for purchasers. Still, taking all into consideration, the market is in a more satisfactory state than a week ago. The cool days of last week had the desired effect of shortening up stock, relieving the congestion of flowers that the warm weather of the two previous weeks piled up in all directions. Crops are going off rapidly, especially in the Rose line and Roses are now being sold by count, which is a great advantage. The most unfortunate feature of the market is the quantity of Carnations that still pours in.

Outdoor work in all branches is being pushed rapidly for this early season, and the verdict from all seedsmen and nurserymen is that the season will be exceptionally short in their line, although the amount of business is, if anything, greater than that of preceding years, and much night work is necessary.

One thing that will not have to be contended with this Spring is the price of Ferns soaring as they did last year to such exorbitant figures, as the Fern crop from the South is putting in an appearance four weeks earlier than usual, and the dealers who have Ferns in cold storage are now very anxious to dispose of them at a nominal price.

Hoerber Brothers started the building of their new greenhouses at Des Plaines last week, and the work will be rapidly pushed ahead. They expect to have them completed and planted before the end of June. Their crops in all lines are decreasing, which means that they will be in just in time with a new crop for Decoration Day.

J. P. Saunders, of 49th st. and Cottage Grove ave. had a large order last week for the funeral of the wife of Dennis Reardon, boss supt. of the 29th ward. The order consisted of 12 designs. Conspicuous among them was a cross 6 ft. high, of white Lilies and Cycas leaves. A standing wreath, 7 ft. high, a harp made of Ivy leaves. Gates ajar 6 ft. high, a pillow 4 ft. across made of Lily of the Valley, Roses and Cattleyas, and a broken wheel were also among the pieces. Mr. Saunders says such orders count.

The Globe Greenhouses, 53d and Madison sts., have the grounds in front of their store laid out in beds of artistic designs at present planted with Tulips, which are in full bloom.

Friedman's windows last week, with banks of scarlet Geranium plants as a leading feature, were exceedingly pretty.

A call last week at the store of Anna G. Sawyer, Madison st., found this lady very busy with funeral work.

H. E. Philpott arrived from Winnipeg on Thursday to attend the Club meeting, and returned home on Friday.

The A. L. Randall Co. is making extensive alterations in its supply department and has moved its wire department to the fourth floor of its building.

D. D. Johnson of the Evergreen Brand Fertilizer Co., is most busy keeping up with the orders coming in for his product.

Norris F. Comley of Lexington, Mass., spent a few days in town, purchasing Carnation cutting stock for his greenhouses.

Again to the front comes our florist alderman, Peter Reinberg, he being re-elected to the city council on April 5 by a vote of 4539. The people evidently know when they have a good man in office. Our florist, C. A. Strail, who was also up for alderman, was defeated.

At Winterson's Seed Store they state they never were so rushed as this Spring, the whole force being compelled to work every evening last week to keep from falling too far in arrears with the orders.

It would seem that the florists are all going to have a chance to dispense justice. This time it is F. T. Ayres of Charles McKellar's who started on Monday on a two weeks' term of jury duty.

The J. B. Deamud Co. is receiving shipments of Lilacs from southern Illinois that are of exceptionally fine quality. This house also had the first consignments of trailing Arbutus that arrived in town.

Alderman Arthur Schutz of Hammond left Tuesday morning for a week's vacation, which he will spend duck shooting along the Kankakee River.

Visitors: J. W. Davis, Davenport, Ia.; H. Frank Darrow, New York.

Bowling

The Florists' Bowling League bowled a double-header last Thursday night, April 7. At present the Carnations lead by one game, with Violets second, Orchids third, and Roses fourth. Next Thursday there will be six more games played which will finish up the schedule of 81 games. Thursday next will also determine the winner of the Deamud Cup, T. C. Yarnell and John Zech being the contestants. Last Thursday's totals were:

FIRST GAME			
Orchids	744	713	702
Roses	737	762	692
Carnations	706	779	781
Violets	745	699	702
SECOND GAME			
Carnations	754	758	745
Orchids	742	732	754
Violets	641	720	706
Roses	787	697	645

O. Johnson has bought an interest in the Batavia Greenhouse Co., Batavia, Ill., and will build 50,000 ft. of glass in addition. The concern has rented a space in the Flower Growers' Market where its stock will be shipped.

Mrs. Anton Kill, mother of Leonard Kill of Los Angeles, California, died at her home, Winnemac ave., at the age of 64. The funeral was held on Saturday, April 9.

Vaughan's Seed Store has received three carloads of Box trees. At the greenhouses the nursery stock has advanced so rapidly that it will be necessary to stop shipping stock in two weeks time. At the store business in all lines is booming.

Peter Reinberg has been at Excelsior Spring, Mo., the past week, attending a committee meeting of aldermen.

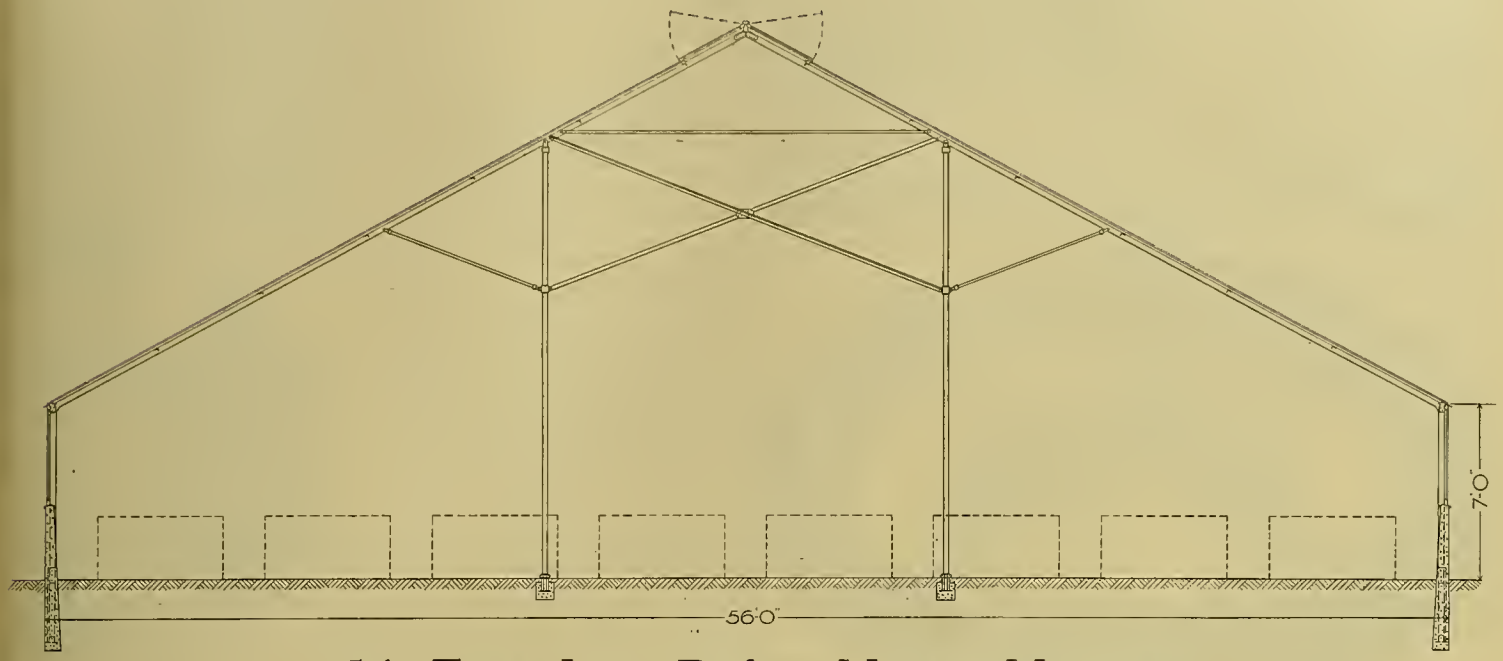
It seems hardly possible that at this early date Peonies are already showing buds. Such is the case, however, and all we can hope for is that there will be no frost. This is fully four weeks in advance of the 1909 season.

Club Meeting

The Chicago Florists' Club held a regular meeting on Thursday evening, April 7, at the Union Restaurant. There was a good attendance. J. Straus of Chicago was elected a member. It was decided to take $600 of the Club funds and put it out at interest. A committee was appointed to confer with the Chicago Horticultural Society, to make arrangements regarding the flower show this Fall.

The sudden death of Mrs. M. S. Vesey, wife of Judge Vesey of Fort Wayne, Ind., which occurred Sunday, April 10, was sadly received here. Her prominence as an exhibitor at many flower shows both in Chicago and elsewhere for some years past made her well known here.

SOME OF HITCHINGS & COMPANY'S NEW THINGS FOR 1910



56 Foot Iron Rafter House Having Only Two Columns

The above cut shows a cross section of an improved commercial iron frame greenhouse, 56 feet wide. The ridge is 22 feet 6 inches high above floor and the eaves are 7 feet above grade.

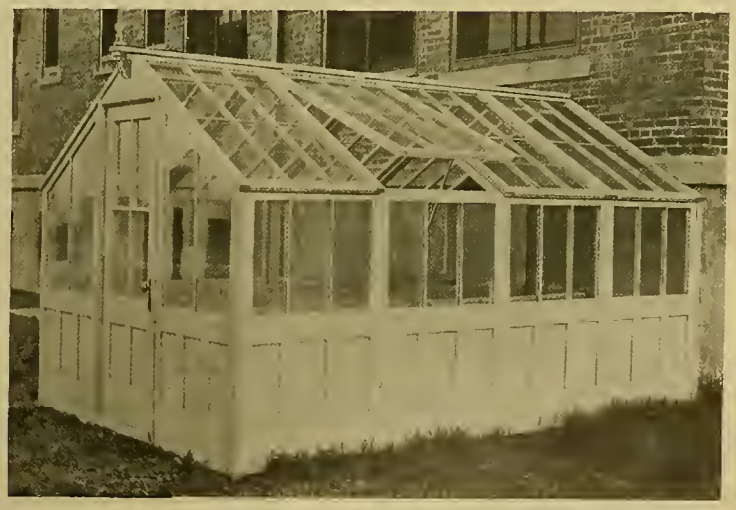
This design is especially suitable for wide houses. Its new features are—few columns, greater lightness and strength, and concrete sides capped with iron sills.

This house contains no undesirable net work of truss rods.

A New Patent Sliding Shaft

Sash Operating Apparatus

It is especially adapted for long runs of heavy panels or sash. It opens every sash on the line the same distance, and uniformly and tightly closes them. The last sash on the line is as tightly closed as the one nearest the operating mechanism. It is possible with this apparatus to open runs of side sash as long as 300 feet.



A Complete House for $250.00

It is a novel little house thoroughly made and thoroughly practical in every way. Two hundred and fifty dollars includes benches, heating coils, boiler and all. It is made up in sections, all glazed, ready for bolting and screwing together. Its erection is exceedingly simple. No foundations are used as it is bolted to cast iron foot pieces. Makes a splendid little propagating house, or an ideal one for bedding plants and general purposes.

"THE EVERGREEN BRAND FLOWER FERTILIZER"

is pure plant food, immediately available. It permanently enriches the soil. It prevents the onslaughts of plant disease, or insects and pests. Can be used at any time during the growing season, dry or in solution.

Put up in 12 pound cans. Price $2.00

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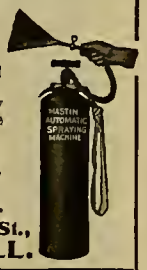
The tank is made of galvanized sheet steel, and in brass.
The pump is of brass throughout, simple and powerful.
The mixing device keeps the contents of the tank well stirred up from start to finish.
When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.
All parts are made to gauge, and may be had for repairs.
Ask your dealer about our **Extension Hose, Extension Rods,** and the **Mastin White-wash Nozzle** for Bordeaux mixture.



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Cattle Manure in Bags
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Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
Union Stock Yards Chicago

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Los Angeles, Cal.

Concerning Two of the Passifloras

Your issue of April 2 was of more than ordinary interest to me. First, because of the confusion in names of the two Passifloras, quadrangularis and edulis, as it appears in the notes of Joseph Meehau on page 609. P. edulis is frequently met with here. It is a rapid grower and a prolific bearer of round fruits, the size of a black Walnut, which have hard shells. The specific name is suggestive of something good to eat. While the pulp is pleasant to the taste, there is so little of it and the seeds are so numerous that it is not sought after as an article of food, even by boys.

P. quadrangularis is a more rapid grower, and, in this part of the State, is a perpetual bloomer when Winters are not too severe; moreover, the flowers are fragrant, a characteristic of no other member of the order Passifloraceæ that has yet come under my observation. It does not fruit here, at least the one I know, and it is the only specimen I have met with in all my journeys in California. A number of years ago, while in Mexico, I bought a fruit of this variety and gave some of the seeds to B. A. Elliott of Pittsburgh. The young plants ran riot in the greenhouse, to the detriment of all other plants in the house, until it was thrown out and branded as worthless. The stems are angular, hence its specific name.

Three of the Tacsonias

Of this same family of plants we have three varieties of Tacsonias growing on this Coast which are marvels in making growth at least nine months of the year. T. mollissima is wonderfully fruitful; the fruit is long, and pointed at both ends, yellow in color with pulp much like that of the May Apple, the Podophyllum peltatum of the Eastern States. Because of this fruitfulness its period of flowering is during the early Spring months only. T. manicata, which bears fiery scarlet, and T. Jamesoni Cherry red flowers, are both prodigious growers and perpetual bloomers. Neither of these two varieties set seed.

Some years a large brown butterfly lays its eggs on Passiflora here and the plant is devoured by a black caterpillar unless constant vigilance is exercised on the part of the gardener, and insect powder applied to it.

There Were Insect Pests Before Our Days

The second item of especial interest to me is the reminiscences of Stephen Taplin. We on this Coast have come to think that insect pests which prey upon plant life are modern inventions, peculiar to California, and that no gardener who ever lived had as many troubles as we on this coast at this time. Thrip, mealy bug, red spider, brown and white scale, green and black aphis, were in evidence, it seems, before California was thought of, and gardeners in those days had quite as hard a row to hoe as we have now. That is some comfort to us and an encouragement to put our wits to work to subdue the pests and at the same time not kill the plants. This reminds me of a recent visit to the home of a successful Orange grower who hired a crew of professional fumigators to fumigate his orchard last December. This work must be done after night, on this Coast, at least. They began work at 5 p.m. and finished three rows by 8 p.m., leaving the tents on the last row until morning. The night was cold and frosty; the result was, the first row lost a few of its fruit, the second a larger per cent. of fruit and some foliage, the third row was completely denuded of fruit and foliage and some of the tender twigs, and

This Kills Mildew Every Time

For particulars write to
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Rose Growers
Dorranceton, Pa.

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The Best BUG KILLER AND BLOOM SAVER

For PROOF Write to
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Green Flies and Black ones too
are easy to kill with
The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

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The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00.

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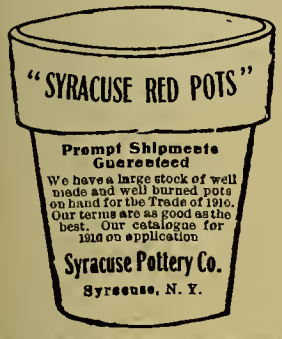

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Packed in small crates, easy to handle.

	Price per crate.		Price per crate.
1500 2 in. pots in crate,	$4.25	120 7 in. pots in crate,	$4.20
1500 2½ " "	5.25	60 6 " "	3.00
1500 2¾ " "	6.00		
1000 3 " "	5.00	HAND MADE	
800 3½ " "	5.80	48 9 in. pots in crate,	$8.60
600 4 " "	4.50	48 10 " "	4.80
456 4½ " "	5.24	24 11 " "	5.60
320 5 " "	4.51	24 12 " "	4.80
210 5½ " "	3.78	12 14 " "	4.80
144 6 " "	3.18	8 16 " "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.

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Red Standard Pots

We have these in stock from 1 inch to 18 inches What are your needs for the coming Spring? Let us know them and give us an opportunity to quote you. Our goods are equal to the best; to prove it send us a trial order; small as it may be, it will be appreciated. Try us.

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is only now (April 7) beginning to leaf out.

The hours of toil expected of employees in those early days of Mr. Taplin's life would dismay a youngster now if such demands of service were made upon him without ample compensation for overtime; then, too, the recital of the variety of fruits grown against walls and under glass is the source of wonderment to people of this State, where they all grow to the greatest perfection in the open, except Pineapples. Mr. Taplin may not think his story of any special value, but the fact is, we young fellows are greatly profited by it and appreciate it very much. It is an illumination of the subject which is sure to do good wherever read and pondered.

P. D. B.

Springfield, Mass.

Business in this city has been brisk during the past season. Lilies, of course, at Easter, led as a plant stock, with Azaleas and bulbous stock coming close seconds. Violets were the best sellers as cut flowers, Carnations and Roses coming next. Fair prices were obtained at a good average per plant.

The store of Mark Aitken was closed April 5, owing to the death of his mother, Mrs. Violet Logan Aitken.

Frank Sullivan of Worthington st. has about finished making alterations to his store, the improvements including lowering the floor to the level of the sidewalk, enlarging the doorway and refinishing the interior. Easter trade was very brisk considering the handicap of building alterations.

William J. Schlatter & Son, 422 Main st. report business as having been "very fine" during the Easter season, and an unusually large amount of funeral work before and since. Mr. Schlatter has enjoyed a large sale on his greening pins which are being shipped to all parts of the country. These pins are very handy articles for any progressive florist to use, being great time savers in making up design work. They are used principally in pinning greens to designs and are a great improvement over the old method of wiring the stems. The pins are a happy invention of Mr. Schlatter's, and can be bought very cheaply; they will not readily pull out. He is also putting on the market a wire support for Carnation plants which is built in units, allowing additions to be made as the plants grow.

Ostermann & Steele of State st. report an unusually brisk Easter season, a big improvement over past years.

Nelson Higgins did considerable business during Easter week and is producing some very fine blooms in his Pine st. houses.

Louis D. Robinson of 182 Main st. reports that his Easter business far eclipsed that of any previous year, resulting in almost a complete "cleanout." His greenhouses are now being rapidly filled with Decoration Day stock, which is in a very healthy condition. Mr. Robinson utilizes all waste space in his houses, his benches being arranged in double tiers. On the upper tier, about level with the shoulders, are placed the plants which require the most sunshine, while the bench proper is used for such stock as will stand shading. He has a large quantity of hardy shrubs in his nursery department and does a nice business in landscape gardening. George A. Wilson has been foreman ever since Mr. Robinson started, several years ago.

P. M. R.

Gloversville, N. Y.

Pool, the florist, has purchased several acres of land, known as the McNab property, fine soil and with a southern exposure. On this property he will commence to build a greenhouse, 40x350 ft., which, with his present houses, will give him one of the largest establishments, in central New York.

X. Y. Z.

Are you going to build a Sash Bar, Semi-Iron Frame or Iron Frame Greenhouse? We have interested others in our methods of construction and in our prices—why not you?

ISAAC CASSIDY,

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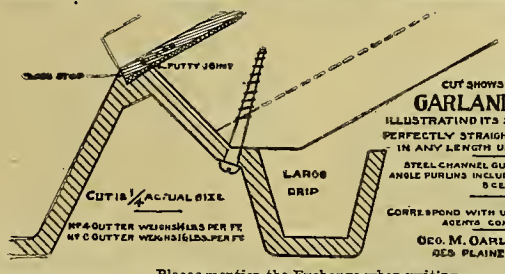

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Materials and Plans

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GREENHOUSE

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in stock or any size required.

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Our prices are—1 in. pipe, $2.52; 1¼-in., $3.55; 1½-in., $4.05; 2-in., $5.55; 2½-in., $8 50; 3-in. $11.00 per 100 feet. We also sell Boiler Tubes.

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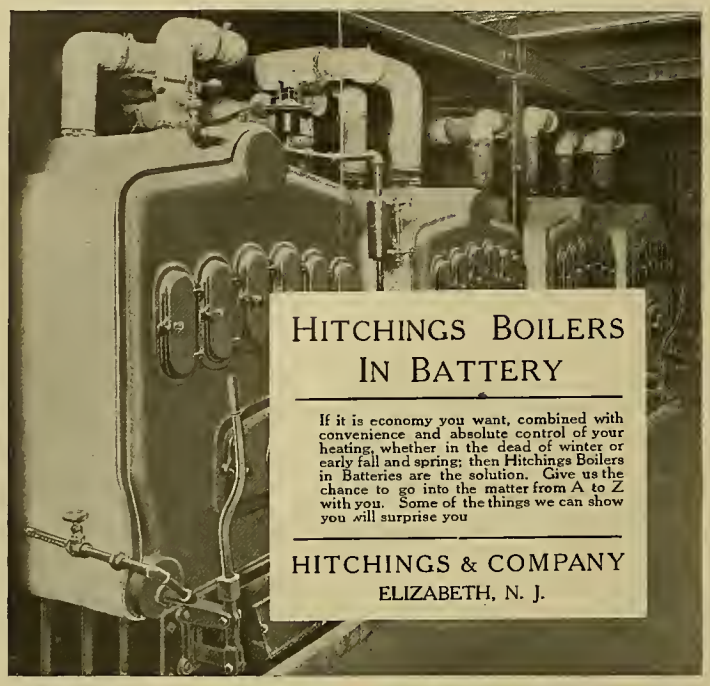

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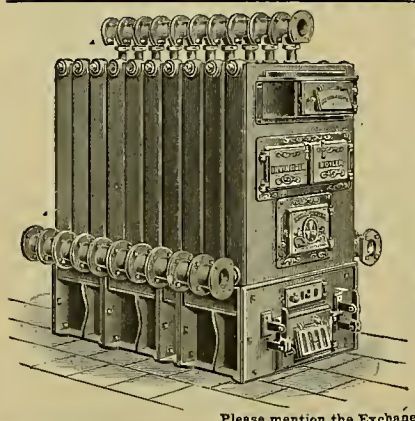

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FULL SIZE No 2
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714 Chestnut St., Phila., Pa.

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The Week's Work

BY
FRITZ BAHR

The Poinsettias

Time for Starting the Dormant Plants.

It doesn't seem possible that almost four months have elapsed since we laid the Poinsettias to rest below the benches, and yet it is so. The time is at hand for them to be brought to light again and started up, by surrounding their roots with moist soil, promoting new growth which will furnish the cuttings for the next Christmas crop. More than ever will be sold, and growers will make no mistake by giving the stock every bit of attention possible in order to have it good. There is no use talking about any temperature a house should be kept at for the plants, our warm weather makes it almost impossible to decide on anything possible. Select a nice sunny bench in a Carnation house and let the plants come along as they will. Don't worry because you have put a few extra plants under the bench; pot them all up and let them come along; it is better to have a few over than not enough. If you should find that you have more young plants than you can use, a small advertisement will soon dispose of them to advantage to you and the buyer—that is, if you send out nice stock.

Shade for Pansies

For the Plants to be Bedded Out.

If you have a customer who gives an order for Pansy plants to be planted in some shady spot where other plants can't be grown, on account of a lack of sunlight, it is as well to call attention to the fact that a Pansy must also have sun if expected to do well. A little shade during the hot noon hours is of benefit to them, but shade all day will soon finish the best of them. Pansies, in order to do well for a customer, need a well prepared bed. By that is meant soil which had a good dose of well rotted manure; and if of a heavy nature a little sand won't do any harm. A little shade at noon is advisable, but the morning and late afternoon sun, if possible, should be given. The more care used in lifting the little plants and replanting them the better. Frequently we have customers who have Pansy beds around trees. That is all right when the trees are small and the beds properly prepared; then you have almost ideal conditions for them. But old trees, especially hard Maples, under the dense shade of which even grass will not grow, is not the place for Pansy plants, and yet we see attempts made to flower them under such conditions. It is the duty of every one of us to call attention to the folly of it, whenever we have a chance to do so. Only when the plants we sell do well for those who buy them can we encourage them to buy more.

Specimen Shrubs

A Paying Proposition to the Florist.

This is a subject on which one could write a great deal without overdoing it, as many of the smaller retail growers make hardly any effort to consider this side line a proper one for the florist, and yet many of us are doing quite a business with hardy perennials as well as with shrubs, and even trees. There is an increasing demand from year to year for shrubs, and while the nurserymen are expected to furnish the wants wherever new places are being laid out and stock of this kind is required in large quantities, the local florist is called upon quite frequently when a few shrubs are desired either to be planted in beds, groups or as specimens for the lawn. It is in the case of the latter where a good profit can be realized, if one has on hand what is wanted. The average florist, even if he should have a small nursery in connection with his greenhouses, cannot be expected to grow a 2 to 3 ft. Spiræa or Barberry at prices such as the nurseries are offering them; He does far better to buy his wants and sell at a fair margin of profit. But when it comes to specimen plants, that is a different proposition entirely. In the first place there are but few nurseries which handle them, and the cost of shipping them long distances is expensive; and compared with the usual sizes wanted for planting there is only a limited demand for them. I have ordered time and again from distant nurseries certain varieties of shrubs which were offered as specimens, and while they arrived well packed and were good stock, it was necessary in every case to severely prune them back when planting them out, on account of the lack of roots. If these plants could have been lifted with a good ball of soil clinging to the roots and planted that way, the severe pruning wouldn't have been necessary.

The Demand for Large Shrubs.

There isn't a Spring or Fall when we have not calls for larger shrubs than those usually supplied by the nurserymen. A customer will ask for something to make a show right away, for immediate effect—not for grouping but for a specimen to be planted at a certain point or spot. It isn't a question of what it costs, but rather to be able to supply the right article, and one cannot blame a customer who has small grounds and only room for a few plants, and willing to pay the price, for asking for extra large stock. By the way, I am of the opinion that hardy stock is as a rule, sold far too cheaply. Some of the stock cannot be grown for the price at which it is sold, nor proper wages paid to the man who does the growing. Often do we notice small grounds where the owner, anxious to follow the example set by his neighbor who has large grounds, masses a lot of shrubs along his lot line or on the lawn, out of all proportion to the size of his grounds. A few choice specimens of good varieties would be far more suitable in such cases than heavy irregular borders. There cannot be anything worse than a neglected overgrown shrub border, one which hasn't been pruned for 3 or 4 years. We have a number of customers who have ripped out such borders and put in place of them specimens of shrubs which are being cared for properly; in fact, we have had such a call for shrubs of this kind of late years that we decided to leave the growing of the small stock to the specialist and devote our time to the taking care of the specimens.

The Difference between Overgrown and Specimen Shrubs.

There is the greatest difference between a shrub which is overgrown and one called a specimen. For instance, an overgrown Spiræa Van Houttei is a long straggling top-heavy plant, while a specimen is one which, through proper pruning back every June after flowering has developed into a bushy well-shaped plant covered with foliage from the ground up. This holds good with any of the other varieties, whether it be a Lilac, Honeysuckle, Hydrangea or Philadelphus. The landscape gardener may consider such plants too stiff and formal for his work, but a plant of that kind will always find admirers and we find that we have never enough to go around. It is a question of supplying the demand with us—and isn't it better to sell one large Lilac for $6 to $10 than to fill 12 to 20 orders for 50c. plants? I don't care where you are located, if there are shrubs used at all there can be a demand created for specimens—it is bound to come. There will be people who see others have large shrubs and they will wish to have some as large, but don't want to wait 3 to 5 years for them to develop.

How to Get Specimen Shrubs.

If at all possible, have a few on hand. I claim that every retail grower who has any room at all should plant out sufficient shrubs of the best known varieties, such as are best known to the public, and grow them into specimens. There is money in it. One couldn't have a better advertisement than a number of such plants on the grounds. Even if not sold they would pay for themselves in that way. The most important part in the way of taking care of the plants is to allow sufficient room between them. A crowded condition will ruin them. It will take a 3 to 4 ft. nursery grown

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We carry the largest stock of
HOT-BED SASH
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Our New
VENT APPARATUS
Will Lift Easy 100 Feet

DOUBLE LIGHT
HOT-BED SASH
Requires No Covers

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Steam and Water

The Most Economical and Efficient Boiler for Greenhouse Heating

CENTRALIZE YOUR HEATING PLANT

The economy in heating large ranges of glass from a central plant is so great that the first cost is repaid in a few years.

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150,000 sq. ft. glass heated by steam from a central plant; the exhaust from pumps is passed through a condenser which heats 2-150 foot propagating houses with hot water.

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150,000 sq. ft. glass heated by steam from a central plant; the steam is passed through condensers and the hot water is forced through the houses with circulators.

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shrub about three growing seasons to develop into a specimen plant, and outside of the time it occupied the space on the grounds it costs but little outlay to care for it. In regard to pruning, it might be said that this with most shrubs should be done after they are through blooming. That, of course, doesn't mean that one cannot often improve on the shape of a plant at most any time during the months in which actual growth is made by the plants, but by pruning after a Lilac, Snowball or Spiræa is through blooming no flowering wood is sacrificed, as would be the case if the pruning is done late in Fall or early Spring. The pruning in Spring should rather be confined to the removal of any old or unnecessary wood inside of the plants. It isn't necessary when planting out the small stock to allow 5 to 6 ft. between the plants; a 3 ft. space is sufficient. Thin out next year, by taking up every other one and so on. Now is the time to plant this stock, and among the many which might be used for that purpose I might mention, flowering Almond, Berberry, Japan Quince, Hydrangeas, Lilacs, Philadelphus, Spiræas, Lonicerias, Weigelas, Privets, Snowballs, Dogwoods, Forsythias, Snowberry and Golden Elder.

Baltimore

John P. Willheim, Raspeburg, Md., has erected another new house, 25x150 ft., for Chrysanthemums. He is one of the largest growers.

R. J. Irwin of Philadelphia was a visitor this week and was present at the Club meeting last Monday night.

John Donn, 1223 Harford ave., is offering his plant for sale. He is one of the oldest florists in the business and many will be surprised. There are two houses, 60x124 ft. and 60x17 ft., heated by a No. 17 Hitchings boiler, also one lath house, 60x120 ft. There is also a two-story stable.

August Eberhardt has made an awning rig for his stall with 1¼ in. galvanized pipe, which he puts up in five minutes.

Trade Conditions

The weather has handicapped business somewhat. The hot spell last week started trade on the go until last Thursday, when the sudden change made everybody feel as though Winter had returned, and business was again on the old footing. However, little complaint is heard except as regards street market trade. The retailers are doing a fairly good business, disposing of a large quantity of cut flowers and executing much funeral work. There seems to be larger quantities of cut flowers on the market this season than last, and an abundance of pot plants, which are being sold at close prices. Our Exchange has been having a large stock which sold at fair prices, little going to waste.

Roses are coming in steady and move well. They are offered as low as 35c. per dozen. Carnations are abundant, and have sold as low as 25c. a dozen. Lilacs from present indications will be a glut. They brought last Tuesday $4 a hundred sprays; many farmers are hauling them to town by the wagonloads, and the boats are bringing them to the city in barrels. Spiræas are still on the market, but are selling slow. Callas are steady. Sweet Peas are not so plentiful, but are moving well. Pansy plants at $3 per 100 are selling fast. Pot plants and shrubbery are filling the market and are well disposed of. Asparagus is short in supply. Laurel is coming in steadier. J. L. T.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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F. E.—Best Advertising Medium

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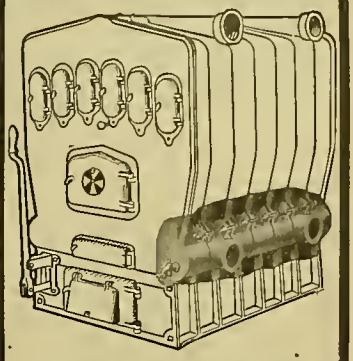

Has short tie bolts for each section—makes erection easy—makes tightening up joints easy—makes repairs easy—makes enlarging easy.

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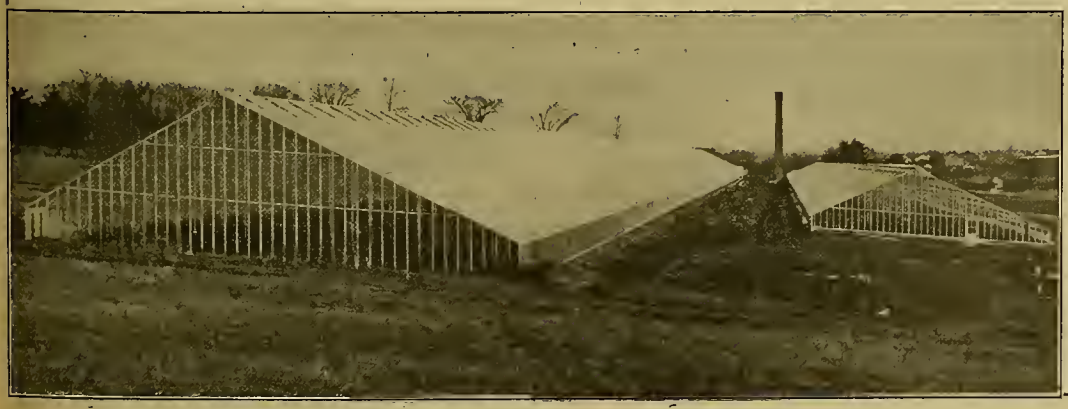

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Order Your Material Now!!!

DON'T wait until May or June and then expect to get your goods in double quick time. Take the matter up right after Easter and get things under way so you will not be delayed this Spring.
This is going to be the biggest building year yet and if you have the money and space by all means put up some more glass and do it at once!

Send for our catalogs:
No. 4—Greenhouse
No. 5—Boiler
No. 6—Pipe & Fittings

John C. Moninger Co., Chicago
906 Blackhawk Street

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AN ALL IRON BENCH

WHAT'S the use of continually replacing wooden benches or building expensive moulds for concrete ones; or experimenting with all tile benches, when here is a *Cast Iron Bench* that is indestructible? Bolts together in sections, easiest thing yet in the bench line, to put up.

Gives 10% more soil room than a concrete bench of same width. Perfect drainage. Easiest to keep free from soil pests. Is thoroughly practical and adaptable for either private or commercial use.

Send for a circular.

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Our catalogue will get you to thinking about it. Sent on request.

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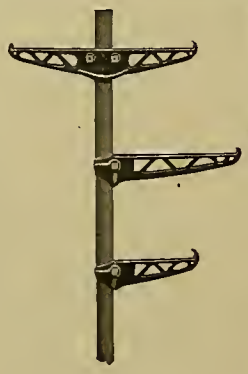

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Made for ¾ in. to 2 in. pipe
12 in. single - - 18c. each. 8 in. single - - 14c. each. 8 in. double - - 20c. each
Remit small amounts in stamps or Money Order.
When ordering give size of pipe posts

OUR VENTILATOR MACHINERY Saves, Sash—Labor—Money. Bulletin No. 22 tells you about it.

"ASK THE MAN WHO HAS ONE" ABOUT

King Iron Frame Greenhouses

No other type of greenhouse construction has been received by the trade with such flattering approval. Houses of this type, either in the course of construction or erected, cover many acres in the United States, England, Germany and France. Let us talk to you about it.

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Greenhouse Material

STRICTLY RED GULF CYPRESS, milled to any detail.
SASH, BARS, in all lengths up to 32 feet.
HOT BED SASH a specialty.

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Purchasers of stock from advts. in hese columns will confer a favor by tmaking this statement in their order: Saw your advt. in the Exchange.

THE KROESCHELL BOILER

IS THE ONLY PERFECT HOT WATER BOILER

Made in 15 sizes, heating from the smallest greenhouse up to 60,000 square feet of glass to 50° at 15° below zero.

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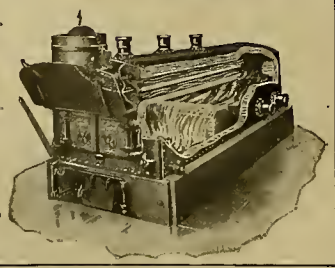

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TILE DRAINED LAND IS MORE PRODUCTIVE

ROUND TILE

Earliest and easiest worked. Carries off surplus water; admits air to the soil. Increases the value. Acres of swampy land reclaimed and made fertile. Jackson's Round Drain Tile meets every requirement. We also make Sewer Pipe, Red and Fire Brick, Chimney Tops, Encaustic Side Walk Tile, etc. Write for what you want and prices. JOHN H. JACKSON, 50 Third Ave., Albany, N.Y.

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We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 17 | NEW YORK AND CHICAGO, APRIL 23, 1910 | One Dollar Per Year

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HARDY FIELD-GROWN ROSES

We offer a fine stock of the following roses:

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Ulrich Brunner, Paul Neyron, Gen. Jacqueminot, Magna Charta, Mrs. John Laing, Baroness de Rothschild and other assorted varieties in less quantities, like Mme. Gabrielle Luizet, Marshall P. Wilder, Anna de Diesbach, Baron de Bonstetten, Prince Camille de Rohan, Alfred Colomb, Gen. Washington, Princess Bearn, Rugosa Rubra, Rugosa Alba, Blanche Moreau (White Moss), Chapeau de Napoleon (Pink Moss), Persian Yellow, etc.

$2.00 per dozen, **$13.50** per 100.

Frau Karl Druschki, Capt. Hayward, Hugh Dickson and Mrs. R. G. Sharman-Crawford. $2.25 per dozen, $16.00 per 100.

HYBRID TEAS

White Killarney, $3.50 per dozen, $25.00 per 100.

Killarney (pink,) Grus an Teplitz, La France, Maman Cochet, White Maman Cochet, Lady Mary Fitzwilliam, Hermosa, Etoile de France, Mme. Abel Chatenay, Mme. Jules Grolez, Clothilde Soupert, etc.

$2.50 per dozen, **$18.00** per 100.

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Tausendschön and Lady Gay, $3.00 per dozen, $20.00 per 100.

Dorothy Perkins and Crimson Rambler, $2.25 per dozen, $15.00 per 100.

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NEWER VARIETIES

Special Planting Prices.

Gloria, Pres. Taft, Mrs. W. E. Kelley, Patty, Dolly Dimple, Merry Jane, Lynnwood Hall, Golden Chadwick, Virginia Poehlmann. Rooted cuttings, $4.00 per 100, $30.00 per 1000; plants from 2¼-in. pots, $5.00 per 100, $40.00 per 1000.

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EARLY: George S. Kalb, Polly Rose, Early Snow, October Frost, Ivory, Clementine Touset.

MID-SEASON: Mrs. Clay Frick, Mrs. H. Robinson, Beatrice May, Alice Byron, Miss Minnie Wanamaker, White Cloud.

LATE: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, J. Nonin, Moneymaker.

PINK.

EARLY: Glory of the Pacific, Rosiere, Pacific Supreme.

MID-SEASON: Pink Ivory, J. K. Shaw, A. J. Balfour, William H. Duckham, Morton F. Plant.

LATE: Maud Dean, Mayor Weaver, Dr. Enguehard.

YELLOW.

EARLY: Monrovia, Golden Glow, Crocus, Comoleta.

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Cullingfordii, Merstham Red.

Rooted cuttings: 5c. each, 50c. per doz., $2.00 per 100, $15.00 per 1000. From 2¼-in. pots, 5c. each, 50c. per doz., $3.00 per 100, $25.00 per 1000.

STANDARD POMPONS

WHITE: Lulu, Queen of White, Nio, Magnificus, Jas. Boone.

PINK: Eleganta, Alma, Alena, Acto.

YELLOW: Baby, Klondike, Quinola, Zenobia, Sunshine, Lodi, Savannah.

From 2-in. pots, 5c. each, 50c. per doz., $3.00 per 100, $25.00 per 1000.

BABY MARGARET

We have a large stock of this dainty White Pompon, and no mistake is made in planting this variety where White Pompons are in demand.

Plants from 2-in. pots, $1.00 per doz., $4.00 per 100, $35.00 per 1000.

POMPON ANEMONE

GARZA. The well-known white variety; considered the best variety in its class.

From 2-in. pots, 5c. each, 50c. per doz., $3.00 per 100, $25.00 per 1000.

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Splendid New Crop of

Asparagus

Plumosus Nanus

Extra heavy strings, 50 cents each

Asparagus Sprengeri Seedlings

In fine condition. **$10.00 per 100.**

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Aloysia Citriodora

LEMON VERBENA. We have an exceptionally fine stock of extra strong plants in 2-in. pots, at $2.00 per 100, or $18.50 per 1000; 3-in. pots, $3.00 per 100, or $25.00 per 1000.

CANNAS, Jean Tissot, Pres. Meyers, Pennsylvania, Buttercup, Louisiana, Egandale, Florence Vaughan, Alph. Bouvier, from 3-in. pots, at 75c. per doz., $3.00 per 100, $25.00 per 1000.

	Per 100	2-in. 1000	3-in. 100
CENTAUREA Gymnocarpa	$2.00	$18.50	$3.00
CINERARIA, Maritima Candidissima	2.00	18.50	3.00
HARDY CHRYSANTHEMUMS, Good Varieties	2.00		
APPLE GERANIUMS	2.00		4.00
ALTERNANTHERA, Red and Yellow	2.00	18.50	
COLEUS, Golden Beddsr and Verschaffeltii	2.00	18.50	3.00
GERMAN, or PARLOR IVY	2.00		
GERANIUMS, Standard Varieties	2.00	18.50	
GERANIUM, Ivy Leaved	2.00	18.50	3.00
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PETUNIAS, Double Mixed Colors	2.00	18.50	3.00
PETUNIAS, Dreer's Superb Single	2.00	18.50	3.00
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LOBELIA, Newport Model	2.00	18.50	
HARDY IVY	2.00	17.50	
SALVIA, Bonfire and Zurich	2.00	17.50	3.00
ASTERS, Vick's Early and Late Branching, Select colors, strong, transplanted plants	2.00	18.50	
DAHLIA ROOTS, 5000, mixed to color, whole field-clumps	4.00	35.00	

DAHLIA ROOTS, Jack Rose, Sensation, Fringed 20th Century, Fringed Beauty, Gladys, Rose Pink Century, Big Chief, at $3.50 per dozen, $25.00 per 100.

Cash with Order. Visitors Always Welcome.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

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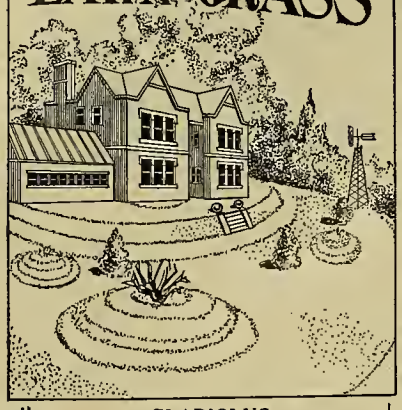
LAWN GRASS



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Pints $4.00 per 100
Quarts $7.00 per 100

BEGONIA, Tuberous-Rooted

	Doz.	100
Single White	$0.50	$2.60
Red	.50	2.50
Rose	.60	2.60
Yellow	.50	2.50
Orange	.50	2.60
Mixed colors	.40	2.25
Double colors, separate or mixed	.60	4.00

CALADIUM ESCULENTUM

Medium	1.00	8.00
Large	1.25	10.00

CINNAMON VINE

Extra Large roots	.35	2.00

GLOXINIAS

	Doz.	100
Mixed	$0.50	$3.50
Separate Colors	.60	3.50

GLADIOLUS

	Per 100	1000
America. Soft flesh-pink	$6.00	
Augusta. Lovely pure white, with blue anthers	2.50	$20.00
May. A lovely pure white flower, finely flaked bright rosy crimson	2.50	20.00
Red and Scarlet, mixed	1.25	10.00
White and Light	2.00	18.00
Pink, mixed	1.75	15.00
Yellow and Orange, mixed	2.50	20.00
Striped and Variegated, mixed	2.50	20.00
Fine mixed, all colors	1.00	8.00
Lemoine's Hybrids, mixed. First size	1.75	15.00

DAHLIAS

Double Large-flowering and Cactus, leading varieties, mixed	1.00	6.00

LILIES

Auratum ..Per 1000, $72.50..	1.25	8.00
Speciosum, Album	1.25	9.00
Rubrum or Roseum	1.25	8.25

MADEIRA VINE

Extra Strong Roots	.30	2.00

TUBEROSES

Dwarf Double Pearl (Excelsior) 4x6 in....1000, $8.00		1.00

WM. ELLIOTT & SONS 42 Vesey Street NEW YORK

Please mention the Exchange when writing.

Order now and be sure to grow this year

Rawson's Gold Medal Chinese Primulas

Without doubt the finest strain in the country

We offer the following colors: Pure White, Brilliant Pink, Deep Blue, Crimson, Salmon, Bright Christmas Red, and White with Red Eye; also a wonderful mixture at the price of:

Per Hundred seeds, 50c.; thousand seeds, $4.00

The proper time to sow Primulas is during the month of May, so please do not delay in ordering.

W. W. RAWSON & CO., Seedsmen
5 UNION STREET, BOSTON, MASS.

Please mention the Exchange when writing.

PALM SEEDS

KENTIA SEED For Immediate Delivery

	Per 100	1,000	10,000
Kentia Forsteriana	$0 60	$4 50	$40 00
" Belmoreana	60	4 00	37 50
Cocos Weddelliana	1 00	7 50	70 00
Areca lutescens	1 00	7 50	70 00
Latania Borbonica	30	2 50	120 00

	Per 100	1,000	10,000
Livistona rotundifolia	$2 00	$17 50	
" Chinensis	1 00	7 50	$70 00
Phoenix Canariensis	30	3 00	27 50
Phoenix Roebelenii	1 00	7 50	
Musa Eosete	1 00	7 50	

PRICES UPON LARGER QUANTITIES UPON APPLICATION

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., N. Y. City

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Lawn Grass Seed

Pint packages, 75 cents. per dozen, $6.00 per 100; quart packages, $1.50 per dozen, $12.00 per100; bushel (16 lbs.), $2.75

Stumpp & Walter Co 50 Barclay St. NEW YORK

Please mention the Exchange when writing.

PRIMROSE SEED

IMPROVED CHINESE

Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 500 seeds, $1.00; half pkt., 60c. Have the varieties separate, also.

PRIMULA Kewensis, the grand, new, sweet-scented, Yellow Primrose, pkt. 25c.

CINERARIA Finest large-flowering dwarf, mixed, 1000 seeds, 50c.

GIANT PANSY The best large flowering varieties, critically selected 5000 seeds, $1.00; half pkt., 50c.; oz., $2.50. 500 seeds of Giant Mme. Perret Pansy Seed added to every $1.00 pkt.

CASH. Liberal extra count.

JOHN F. RUPP, SHIREMANSTOWN, PA.

RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

FRESH MUSHROOM SPAWN

ENGLISH AND AMERICAN

VAUGHAN'S SEED STORE

CHICAGO 84 Randolph Street — NEW YORK 25 Barclay Street

Please mention the Exchange when writing.

Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C.

Trade Mark **American Spawn Co., St. Paul, Minn.**

Please mention the Exchange when writing.

Vegetable Plants

	Per 100	1000
BEET PLANTS	$0.20	$1.25
CABBAGE PLANTS, full list of leading varieties, 10,000 and over, 85c. per 1000	.20	1.00
EGG PLANTS	.40	2.00
LETTUCE PLANTS, Grand Rapids, Big Boston, Boston Market and Tennis-Ball, 10,000 and over at 85c. per 1000	.20	1.00
PEPPER PLANTS, Bull Nose, Sweet Mountain and Ruby King	.40	2.00
TOMATOES, Small Plants of Earliana, Early Jewel, Dwarf Stone, Champion, Ponderosa and Matchless	.30	2.00
TOMATOES, Small Plants of Stone, Paragon, Favorite and Success	.20	1.00

R. Vincent, Jr. & Sons Co., White Marsh, Md.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

SPRING BULBS

	Per doz.	100
Lilium Auratum, 8- 9 inch	$0.90	$6.00
Lilium Auratum, 9-11 inch	1.25	9.00
Lilium Rubrum, 8- 9 inch	.85	6.00
Lilium Rubrum, 9-11 inch	1.25	7.50

GLADIOLUS BULBS

Those having once used my "Floracroft" Mixture always want them again.

FLORACROFT MIXTURE—	Per 100	1000
No. 1 size	$1.50	$10.00
No. 2 size	1.00	7.50
Shades, White and Light	1.75	15.00
Shades of Red and Scarlet	1.25	9.00

TUBEROSES

PEARL DOUBLE

	Per 100	1000
Monsters	$1.25	$12.00
No. 1, large 4-6	.90	7.50

CALADIUM ESCULENTUM

	Per doz.	100
7 to 9 inch	$0.60	$4.00
9 to 11 inch	.85	6.00
11 to 12 inch	1.50	10.00
12 to 18 inch	2.00	15.00

CYCAS STEMS

Fresh, just in from Japan.

10-lb. lots	10c. per lb.
25-lb. lots	8c. per lb.
100-lb. lots	7½c. per lb.
Case (300 lbs.)	$21.00

STOKES' SEED STORE
219 Market St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

CAULIFLOWER SEED
CABBAGE SEED

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

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RUSH ORDERS

Flower Seeds, Market Garden and Field Seeds, all kinds of Tender and Hardy Plants, Tuberoses, Dahlias, Gladioli, Small Fruits.

RUSH ORDERS

JAMES VICK'S SONS
ROCHESTER, N. Y.

ROUTZAHN SEED CO.
Arroyo Grande, Cal.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of Full List of
Flower and Garden Seeds

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Advertising in the F. E. brings best results.

DOUBLE PEARL

Tuberoses

Extra Large Bulbs, 4 to 7 in. in Circumference

90 cents. per 100, $7.00 per 1000

CALADIUMS

(ELEPHANT'S EARS)

Clean, Sound Bulbs with Center Shoots

	Per 100
5 to 7 inches	$1.25
7 to 9 "	3.00
9 to 11 "	6.00
11 to 14 " Extra quality	10.00

See our Bulb Offer in last week's Exchange

JOHNSON SEED CO.

217 Market St. PHILADELPHIA, PA.

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SEASONABLE SEEDS

CALADIUM esculentum, Fancy Caladiums from Brazil.
GLADIOLI, all sorts. Japan IRIS.
Japan LILIES.
Double-flowering CHERRIES.
Send for our new Spring list.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.

We Would Announce the Opening of Our New Store

"BUDS"

76 Barclay St, NEW YORK

HIGH GRADE SEEDS BULBS and PLANTS

CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,

Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
2 Duane Street NEW YORK

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7-Top Turnip Seed

ADVANCE ORDERS NOW TAKEN FOR CHOICE GRADES OF

Seven-Top Dixie Frost King Prize Taker

Now in full bloom on Bloomsdale Farm. Contract Price, $200 per Thousand Pounds.

Plants from this Seed of hardy Northern breed, very superior to the less hardy Southern type stand any amount of snow and ice without injury.
The Seed will be harvested about the 20th of June and ready for shipment about the 1st of July.

D. LANDRETH SEED COMPANY

Also KALE—Dwarf German, $20 per 100 lbs.
Siberian . . . 18 per 100 lbs.

BRISTOL, PENNA.

Please mention the Exchange when writing.

Thorburn's Seeds

HIGHEST GRADE ONLY

Send for special wholesale catalogue for Market Gardeners and Florists

J. M. THORBURN & CO., 33 Barclay St. New York

Please mention the Exchange when writing.

Try The Following

CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Gigaoteum.
MIGNONETTE—"New York Market."
STOCKS—"Burnett's Perpetual White."
CAULIFLOWER—Burnett's Selected "Snowball."
BURNETT'S LIBERTY TOMATO

Write for our Illustrated Catalogue

BURNETT BROS.,

Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

When you want to buy
When you want to sell

Seeds, Bulbs and Plants

C. McTAGGART
123 Warren Street
Near West St., NEW YORK

Quality my first consideration
Get my prices

Please mention the Exchange when writing.

HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Seasonable Seeds for the Florists

H. E. FISKE SEED CO., Boston, Mass.

Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO
BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

ASPARAGUS PLUMOSUS NANUS

NEW CROP

100 Seeds.....$0 50 500 Seeds..... $2.00
1000 Seeds.....$3.50

Our Flower Seed Catalogue free on application

THE MOORE SEED CO., 339 Market Street PHILADELPHIA, PA

Please mention the Exchange when writing.

AMERICAN SEED TRADE ASSOCIATION

President J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-Sec., Leonard H. Vaughan, Chicago.

IMPORTS, ETC.—April 11.—W. Falconer, 3 cases plants; Rooney & Spence, 4 cases trees, 1 case plants; A. Rolker & Sons, 6 cases plants; Gunther Bros., 3 boxes plants and flowers; Vaughan's Seed Store, 1 barrel Lily bulbs; F. B. Vandergrift & Co., 6 boxes Lilies; Maltus & Ware, 2 cases plants; W. B. Tubley, 16 cases trees; H. F. Darrow, 1 case trees. April 12.—McHutchison & Co., 446 tubs Laurel trees, 21 cases plants; J. Roehrs Co., 3 cases plants; Lunham & Moore, 2 cases plants; Vaughan's Seed Store, 14 tubs Bay trees; O. G. Hempstead & Son, 162 tubs Laurel trees, 9 baskets Laurel trees; Hussa & Co., 1 case plants, 1 case Palm seeds; R. F. Lang, 7 packages plants, etc. April 13.—F. W. Kelsey Nursery Co., 50 cases plants; Carillo & Baldwin, 3 cases plants; McHutchison & Co., 3 cases living Plants. April 16.—I. Terkinia, 1 case plants, 26 tubs Laurel trees; E. Kohl, 1 case plants; Lunham & Moore, 118 tubs Laurel trees, 12 packages plants; Maltus & Ware, 38 tubs Bay trees, 115 tubs Laurel trees, 79 cases plants; J. Roehrs Co., 48 tubs Laurel trees, 55 cases plants; Vaughan's Seed Store, 6 tubs Laurel trees, 25 cases plants; Hussa & Co., 20 tubs Laurel trees and 7 cases plants; C. F. Meyer, 80 tubs Laurel trees, 18 cases plants; P. Einsmann, 6 cases plants; H. F. Darrow, 12 cases plants; McHutchison & Co., 51 cases plants; F. M. Morgan, 3 cases plants; Elm City Nursery Co., 91 packages trees, etc.

European Notes

The sharp spell of Winter centered around Nimes on the night of March 31, and as briefly reported in last week's Notes, moved rapidly eastward to the well-known St. Remy district where 9° Fahr. below freezing point was recorded on April 1, and was followed by a heavy fall of snow which ended in rain. As a result the Potatoes were completely cut down and the young French bush Beans were destroyed.

This means a terrible loss for the little growers, many of whom raise a crop of extra early vegetables before transplanting their plants of annual flower seeds such as Phlox, Zinnia, Verbena and like cultures.

Biennials which have stood the rigors of the Winter will not be improved by this additional check, but many of the growers have already made up their minds for another disastrous season. Should their anticipation be realized it will be even more difficult to obtain

"The proof of the pudding is in the morning." The proof of Lily Quality is in the flowering:—Count the number of cut-flowers per thousand bulbs and compare "Horseshoe Brand" bulbs with others. It's the only right way to tell the true value.

If you are a bulb buyer, send for a copy of the "Horseshoe Brand" Catalog, showing views of the bulb fields in Japan and other illustrations. It's free.

RALPH M. WARD & CO.

12 West Broadway—New York

"NOT HOW CHEAP— BUT HOW GOOD"

SURPLUS STOCK

LILIUM AURATUMS
8 to 9 inches (130 in a case), $4.50 per case

LILIUM SPECIOSUM ALBUMS
8 to 9 inches (220 in a case), $13.00 per case

CYCAS STEMS
3 to 8 lbs. (300 lbs to a case), $16.50 per case
Prices F. O. B. New York. Sold only in case lots. Stock limited. Order at once.

BAMBOO STAKES
Natural and green, various sizes always on hand

YOKOHAMA NURSERY CO., Ltd. 31 BARCLAY ST. NEW YORK

Please mention the Exchange when writing.

COLD STORAGE
Lilium Giganteum

7 to 9 inch

300 to a case; per case, $22.50. 3 cases and up, at $70.00 per 1000

CHICAGO 84 Randolph St. **VAUGHAN'S SEED STORE** NEW YORK 25 Barclay St.

Please mention the Exchange when writing.

ELEPHANT'S EAR

Caladium Esculentum

Bulbs 6 to 8 inches in circumference, 200 in a case, 25c. per doz., $2.00 per 100, $15.00 per 1000.
Bulbs 8 to 10 inches, 100 in a case, 50c. per doz., $3.50 per 100, $30.00 per 1000.
Bulbs 10 to 12 inches, 75 in a case, 75c. per doz., $5.50 per 100, $50.00 per 1000.
Bulbs 12 to 13 inches, 50 in a case, $1.00 per doz., $8.00 per 100, $75.00 per 1000.
Monster bulbs 13 inches and upward in circumference, 25 in a case, $1.50 per doz., $12.00 per 100.
Full cases at 100 rate

"Red Seal Brand"

Excelsior Pearl Tuberoses

4 to 6 inches
$7.50 per 1000; $1.00 per 100

ARTHUR T. BODDINGTON
SEEDSMAN
342 West 14th Street
NEW YORK CITY, N. Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

growers than it is now, and already a move has been made to the other side of the Rhone, but it will be some years before the sheltering Cypresses will be sufficiently developed to ward off the dreaded mistral. Further north, some light rains have helped us very much in the work of sowing and transplanting, but a cessation of the blighting easterly winds would make our labors more fruitful.

The greatest source of anxiety to us just now is the Turnip crop, which is suffering severely from the before named winds and the ravages of birds. Both early Turnips and Rutabagas are affected but the latter hardly so seriously as the former, mainly because trade in this article is rather slack at present.

It will be quite clearly understood that the rapid advance in vegetation during March has now been effectually checked and we are not now any further ahead than at the same time last year.

Ernest Benary, Erfurt, notifies, under date April 1, that Ernst Benary, Jr., son of Kommerzienrat Friedrich Benary, and Heinrich, son of Herrn John Benary, have been taken into partnership. The signature of the first named (who paid a visit to your side last year) bears a striking resemblance to that of his respected father. The same firm has just distributed a very handsome colored plate of the newer Gloxinias.

EUROPEAN SEEDS.

American Notes

Excellent Seed Sales Continue

The great volume of orders in which every member of the seed trade has been participating, particularly since the month came in, still continues unabated. Never has there been experienced more satisfactory retail counter business than this season; everything handled by the seedsman has sold readily in very large quantities, and at profitable rates. There have been, as expected, many shortages in popular varieties of seeds, both vegetable and flower, but as a rule customers have accepted readily the situation, and taken in place of the sold-out variety the next best sort in stock. The more settled weather has greatly encouraged the orders for vegetable plants, and many seedsmen this season are finding this line much more profitable than before; in fact, no longer is this item of the seedsman's business a side issue—it is a great and yearly larger growing industry. Night work still continues and will for several weeks yet; for so busy are many of the larger houses during the day, that outside of waiting upon the so-called counter trade little else can be done; and it is only after the closing hours that the orders received by mail can have attention. There has also been very much more Sunday labor required this season than in any past year. It is greatly regretted that Sunday labor should be necessary, as the unavoidable night work tires the employees to the limit, but in every possible way has employer and employee alike tried to keep the orders promptly filled; to even partially deliver the seeds ordered, since March started, as the customers have expected, has been an impossibility with many seedsmen.

Our Government's Free Seeds

So much has been said and written in the earnest endeavor to try to convince "the powers that be" at Washington, of the great injury and damage that the annual distribution of the thousands on thousands of free packets of both flower and vegetable seeds is, and has for years been doing the legitimate seed trade of this country, without the least apparent effect, that there would seem to be little hope of the abuse being stopped in the near future. This free seed distribution, as now conducted, simply means the giving away of enormous quantities of common commercial varieties of seeds; and in just so much as these seeds are given to garden makers, the legitimate seed trade is defrauded of its rightful sales. The original plan of using Government money to introduce new and rare varieties of seeds would seem to have been entirely lost sight of. To show the purely "something for nothing" spirit of the present giving away of Government seeds, there is hereto appended an extract of a letter recently received from a member of Congress, regarding the matter: "For many years Congress has appropriated money to provide seeds for distribution throughout the country . . . . . I intend within the coming month to mail you a package of flower seeds, if you cannot use them yourself, please give them to some friend . . . . . If you also desire some vegetable seeds, upon request I will be glad to send you a package." The whole letter simply conveys the one idea that the United States Government would supply, free, both flower and vegetable seeds. Further comment is unnecessary. The whole plan as now conducted is wrong from start to finish.

V.

New York Seed Trade

The stormy weather the first part of the week was taken advantage of by the seedsmen to catch up as much as possible on the accumulated orders. Quite a little headway was made, as many worked last Sunday also. It is thought that from now on it will be possible to keep the trade well in hand.

Everything in vegetable plants and nursery stock is still selling in very large volume, especially the former, as the sales of Tomato plants have begun in real earnest.

H. B. Buck, who for some time has been in the flower seed department at A. T. Boddington's, sailed last Saturday for England, on the White Star S. S. Adriatic, to join his brother in the seed business at Ipswich. Mr. Buck carries with him the good wishes of his many friends in the trade here.

Stumpp & Walter Co. has arranged a very attractive display of its full line of insecticides, and also poultry supplies. Of the latter it publishes a very valuable catalog which can be had upon application.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.
Please mention the Exchange when writing.

J. BOLGIANO & SON
WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS
BALTIMORE, MD.
Please mention the Exchange when writing.

BURPEE'S SEEDS
PHILADELPHIA
Blue List of Wholesale Prices mailed only to those who plant for profit.
Please mention the Exchange when writing.

FAMOUS ASTER **Lady Roosevelt**
Last Special Offer of Seed This Season, ⅛ oz. 25c., ¼ oz. 40c. Order to-day and get my special Aster Plant Catalogue. Plants ready to ship by Mail or Express by May 10.
JOHN S. WEAVER
Box F Geo Mawr Seed Farms KINZERS, PA.
Please mention the Exchange when writing.

Aster Lady Roosevelt
Late. Longest Stem, Rich Pink. Sow end of April. Trade packet, selected stock, 50c.; good stock, 30c. Write for prices in quantity. Tested seed.
JAS. MACFARLANE, Staatsburg-on-Hudson, N.Y.
Please mention the Exchange when writing.

HEADQUARTERS FOR GLADIOLI and Other Bulbs
JOHN LEWIS CHILDS
FLORAL PARK, N. Y.
Please mention the Exchange when writing.

Gladiolus

	Per	100	1000
White and Light Shades		$1.50	$14.00
Pink Shades		1.50	14.00
Red and Scarlet Shades		1.25	10.00
Striped and Variegated		2.50	22.00
Groff's Extra Choice Mixed		1.25	10.00
Choice Mixed		1.00	8.00

Tuberoses

Dwarf Double Pearl, 4 to 6-in.	.90	8.00

WEEBER & DON
SEED MERCHANTS and GROWERS
114 Chambers St., NEW YORK
Please mention the Exchange when writing.

Gladioli
Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck and Pactole.
LILIES, IRIS, CINNAMON VINES and other bulbs for Spring planting.
Send for prices.
E. S. MILLER
WADING RIVER, LONG ISLAND, N. Y.
Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Headquarters for Spring Bulbs

Begonias, Cycas Stems
Caladiums, Iris Roots
Cannas, Cinnamon
and Madeira Vines

250 Varieties Dahlias

We are headquarters for Dahlias and can supply every worthy sort; highest quality at lowest price.

Our selection best commercial sorts, **$1.00** per dozen, **$8.00** per 100.

Gladioli by the 100 thousand; **Japanese Lilies, Tuberoses, Fern Balls.**

Everything in bulbs, seeds, plants and horticultural supplies. Our catalogue will interest you. Send for copy today. Lowest wholesale prices for good goods.

HENRY F. MICHELL COMPANY, 10th and Market Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

DAHLIAS

Charles Clayton is my best introduction; for brilliancy, form and stem, this new Cactus leads them all. Other superb Novelties are: Mrs W. K. Jewett, Manitou, Princess Yetive, Corona, Olive Tracy. These with other fine varieties were awarded a Bronze Medal at the Alaska-Yukon Exposition, last season. Select list of Standard Dahlias: and Field-Grown Hollyhocks, both Double and Allegheny. Catalogue on application.

W. W. WILMORE, P. O. Box 382, Denver, Col.

Please mention the Exchange when writing.

DAHLIA SEED

From Giant Singles

Newport's Best Mixture, per packet, **20c.**

Roots of the above strain, in mixture, strong divisions of field-clumps, 15c. each, $1.50 per dozen.

Alexander MacLellan
NEWPORT, R. I.

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

One of the visitors of the week was Peter Small of Westhury, Long Island. Mr. Small feels that more seeds than a year ago are being used in his vicinity.

Vaughan's Seed Store has this week been having a special sale of Bay trees in all sizes, of both pyramids and standards. It is found that pairs, value $25 to $35, are the most ready sellers.

J. M. Thorburn & Co. have much increased their sales of Sweet Peas, and in fact the entire line of flower seeds over previous seasons. It is certainly a flower seed year.

C. McTaggart, the past week, has been having a special sale of Magnolias, which have found many customers.

It has been admitted by several representatives of Holland houses who have the past week been visiting our seedsmen, that bulb orders are not being placed in the volume expected from the early indications. It is indeed a well-known fact, that Dutch bulbs will be even cheaper the coming Fall than last season. It will be remembered that around Christmas and the first of the year bulb flowers were exceptionally high in price, with the consequent result that many growers rushed in and ordered large quantities of Holland bulb stock for this Fall's planting, which orders are now, in many cases, being countermanded. Especially does this apply to Western growers, from whom the rescinding of many orders has come. There is considerable disappointment expressed by our Holland friends for this condition of affairs.

French bulb stock is quoted considerably higher than last season. White Romans, 12 to 15 centimeters, at the present time are about 7 francs per thousand more than a year ago, and Paperwhites are fully as high if not higher than last season. There will be no surplus of French bulbs the coming Autumn.

The "Buds" are fitting up their new store, at 76 Barclay st., very rapidly. They will have most complete arrangements for both flower and vegetable seed; in fact, their flower seed department is already arranged for over 1000 drawers for packet and bulk seeds.

At Boddington's things continue very busy. This house is handling much more nursery stock this season than ever before, and the same may be said in regard to bulbs.

DAHLIA SEEDS

Coronata, sweet scented, 100 seeds, $2.50.
Double Cactus Mixed, 100 seeds, $2.50.
Double Mixed, 75 cts.
Single Mixed, dwarf striped, 20 cts.
Radish, National (new), ounce 20 cts.
Lettuce, Beaulieu, the largest head, introduced by Vilmorin, oz. 25 cts.
Lettuce, Big Boston Improved, fine for market, oz. 25c., lb. $4.00.
Lettuce, Romaine, immense (new), oz. 25 cts.

Send for list.

BEAULIEU, WOODHAVEN, N. Y.

Please mention the Exchange when writing.

Boston Seed Trade

Seedsmen were never as busy as they have been this Spring; they are short of many kinds of seeds already. Counter trade and mail orders were never as heavy before, which are omens of good times. The trade has been working overtime all the Spring and many of them will have been pleased to get the holiday, Patriot's Day, April 19, for a much needed rest.

Philadelphia Seed Trade

The counter trade at the seed stores, which has been steadily increasing for several weeks, was thought to have reached a climax in the great volume of business transacted last Saturday. The refreshing rain of Sunday and Monday forenoon has still further stimulated buyers, till the stores are almost uncomfortably crowded and everybody who can sell is behind the counter.

Never was a greater assortment of flower and vegetable roots and bulbs offered the buyer, nor was he ever enticed by a finer display of seeds, which under proper culture produce the fragrant blooms and the toothsome vegetable. Indeed, it is hard for anyone with a garden turn of mind to get by a seed store, if he has any change in his pocket.

The Johnson Seed Co. is doing a large business in Cycas stems, and is also offering a variety of Grape vines.

The Stokes Seed Store has some good potted Tomato plants of Stokes Bonny Best Early. On Monday the two hundred and thirtieth yearly meeting of the Friends, at Fourth and Arch sts., began, and Mr. Stokes was in attendance, notwithstanding the great pressure of business at his store.

An announcement of a new patent scale killer named "Never-Scale," a lime sulphur spray, made by the "Sulfo Chemical Co., No. 1 Fairmount ave., is observed at the Moore Seed Co.'s store.

Henry A. Dreer is displaying a very complete line of lawn mowers. This house is also offering a well-selected list of field-grown Roses, which have been wintered-over cold.

Henry F. Michell Co., 1018 Market st., is making very large sales of its celebrated lawn grass seeds, and is offering at wholesale to the trade a very complete list of flowering bulbs and roots, among which are two hundred and fifty varieties of Dahlias.

Cannas

Our own home-grown stock is true to name. Extra Selected, plump, sound, roots.

	Per 100		Per 100
Alsace, white	$1.50	McKinley	$1.40
B. Poitevine	1.75	Niagara	2.50
Buttercup, new	1.50	Pennsylvania	1.50
Black Beauty	2.50	Premier, gold ed	1.75
Brandywine	2.00	Pres. Meyers	2.00
Chas. Henderson	1.50	Queen Charlotte	2.00
D. of Marlboro'	2.00	R. Wallace	2.50
Egandale	1.50	So. d'A Crozy	2.25
Express, dwarf	2.00	Venus, new	3.00
King Humbert	4.50	Wm. Saunders, new	10.00
Louisiana	1.50	Wm. Boffinger	1.50
Mad. Crozy	2.00	Sep. colors mix.	1.00
Mont Blanc	4.50		

CALADIUM Esculentum (Elephant's Ears).

	Doz.	100
6-8 in. circumference	$0.25	$1.75
8-10 in. circumference	.50	3.50
10-12 in. circumference	.75	5.50

TUBEROSES, Dwarf Pearl, 1st size, $7.50 per 1000, 80c. per 100; 2nd size, $4.50 per 1000.

Shellroad Greenhouses
Grange, Baltimore, Md.

Please mention the Exchange when writing.

CANNAS

KING HUMBERT, CHAS. HENDERSON, EX. CRAMPBELL, MAD. CROZY, ALPHONSE BOUVIER, MLLE. BERAT, FLORENCE VAUGHAN, SOUV. DE ANTOINE CROZY.

Write for special prices, stating quantity wanted.

FRESH TOBACCO STEMS. Bale of 300 lbs. $1.75; Ton $9.00.

W. C. BECKERT
SEEDSMAN
103 Federal St., N. S., Pittsburg

Please mention the Exchange when writing.

¼ Million Canna Plants

OVER 100 VARIETIES

Started in beds out of doors, strong well-rooted plants.

Prices range from $1.50 per 100 up, according to varieties and quantity wanted. Plants ready after April 15, they will be packed light in moss. Send us a list of your wants and let us quote you prices. We also have dry roots in many varieties.

Frank Cummings Bulb & Plant Co.
Canna Growers, MERIDIAN, MISS.

Please mention the Exchange when writing.

W. Atlee Burpee & Co. report the largest business they have ever done. Though the Sweet Pea business is largely over for this season, the flower and vegetable seed business is pressing them to the utmost.

San Jose, Cal.

At this season of the year the various seed dealers throughout the United States and Canada are desirous of receiving information in regard to the various seed crops growing here in California.

The writer returned from his Eastern trip about a month ago and has been busily engaged in going over our vari-

Direct Importations

AT FOREIGN GROWERS' PRICES

From BELGIUM **From HOLLAND** Palms, Araucarias, Bay Trees, Azalea Indica, etc., Boxwood, Rhododendrons, pot grown Shrubs for forcing, etc., etc.

From GERMANY Valley Pipe. Early or late forcing.

From ENGLAND English Manetti selected for grafting.

From JAPAN Lilium Longiflorum Giganteum, Multiflorum, etc.

Full list of Japanese, Holland, English and French Nursery Stock

Write for catalogues, special lists, etc., mentioning the class of stock you are interested in.

RAFFIA 5 grades. Bale lots only.

Our business is import and wholesale only. Don't write unless you use sufficient to make direct separate importations

McHUTCHISON & CO.

17 MURRAY STREET Please mention the Exchange when writing. **NEW YORK**

Please mention the Exchange when writing.

Superb Strain—None Better—Superb Strain

PANSIES

PROMPT SHIPMENTS—PROMPT SHIPMENTS

250,000 SUPERB STRAIN PANSIES

You need them for your particular trade. Better than ever this year.

Fall transplanted Pansies in bud and bloom. A trial order will convince you that our Superb Strain is the best you have ever handled. $1.25 per 100; $10.00 per 1000. Cash with order.

Leonard Cousins, Jr. Largest Grower of Field-Grown Pansies in America Telephone 82 Concord Concord Junction, Mass.

Please mention the Exchange when writing.

500,000 PANSIES BEST MARKET STRAIN GROWN

Grown from seed of our own raising, this strain is the result of over 25 years' careful selection and for size, form and substance and wide range of color in clear, brilliant selfs and novel shades and markings, they will be found unsurpassed. The colors are very evenly assorted and the growth is very strong and stocky. Fall transplanted plants ready to bud and bloom.

Price $10.00 per 1000. Larger Sizes $15.00 and $20.00 per 1000.

EXPRESS ONLY CASH WITH ORDER

I. E. GOBURN, - 291 Ferry Street, - EVERETT, MASS.

Please mention the Exchange when writing.

Pansy Plants

Large plants in bloom, $1.25 per 100, $10.00 per 1000; smaller plants that will bloom soon, at $2.00 per 1000.

DAISIES (Bellis), FORGET-ME-NOT, in bloom, $1.50 per 100, $12.50 per 1000.

CINERARIAS, 4-in., bud and bloom, $5.00 per 100.

STOCKS and DUSTY MILLERS, 2½-in. pots, $2.00 per 100, 300 for $5.00.

CABBAGE PLANTS, ready for field, $1.25 per 1000, 5000 for $5.00.

J. C. SCHMIDT

BRISTOL, PA.

Please mention the Exchange when writing.

PANSIES

Fine cold-frame plants, in bud and bloom; $1.25 per 100.

PANSY Snow Queen, pure white, large plants in bud and bloom, $1.25 per 100.

PANSY SEED, finest mixture, $1.00 per pkt. of 4000 seeds, $5.00 per oz.

Cash with order.

E. B. JENNINGS, Lock Box 254 Southport, Conn.

Grower of the Finest Pansies

Please mention the Exchange when writing.

PANSIES

Fall Transplanted, Finest Mixed, also 5 separate colors, in bud and bloom; $10.00 per 1000, $1.25 per 100; also a few extra strong seedlings left, $2.50 per 1000.

COLEUS

Verschaffeltii, 2-in., $15.00 per 1000, $1.75 per 100; Rooted Cuttings all booked until late this month.

Cash Please.

RUDOLF NAGEL, LANCASTER PA.

Please mention the Exchange when writing.

PANSY PLANTS

Of my largest flowering Mixture of Show Varieties, unsurpassed quality, short, bushy, transplanted plants, in bud and bloom, at $1.25 per 100, $10.00 per 1000.

BELLIS Perennis (Daisies), largest double red and white, not transplanted, but fine strong plants commencing to bloom, at $2.00 per 1000; 500 at 1000 rate.

GUSTAV PITZONKA, Bristol, Pa.

Please mention the Exchange when writing.

PANSIES

Brown's Prize Pansies, Fall transplanted, large stocky plants, in bud and bloom. Mixed Colors, in any quantity. 15,000 Giant Yellow with dark eye, $1.25 per 100, $10.00 per 1000. Cash with order.

PETER BROWN, 124 RUBY STREET Lancaster, Pa.

Please mention the Exchange when writing.

ous ranches, which consist of over 4000 acres, and is pleased to say that never in the seed growing experience have all of our ranches been in such excellent condition. We have had something over 14½ in. of rain this season, which is sufficient to make a crop. The rain has fallen gradually, so that the ground has

PANSIES

GIANT EXHIBITION, strong plants in bud and bloom, per 100 $1.00, per 1000 $9.00.

FORGET-ME-NOT, per 100 $1.00, per 1000 $9.00.

DRACAENAS, 5-in., 25c. each.

VINCA Variegata, 4-in. 10c. each.

A full line of Bedding and Vegetable Plants, next month.

J. S. BLOOM, Riegelsville, Pa.

Please mention the Exchange when writing.

absorbed all of the water, which has been a great benefit to all of the growing crops.

The hoeing of the crops will be completed on all the seed ranches, not only our own, but also on those of other growers in this section, within the next two weeks and, if nothing unforeseen occurs we will harvest a good crop.

On our Menlo Park ranch we have a field of Lettuce, of various varieties, over 2½ miles in length and from ¼ to ½ mile wide, where we have a magnificent stand. It certainly would be a great sight for any seed dealer to inspect this one field.

All varieties of Onions are looking excellent. The critical time for this crop, however, is when the seed is in the dough, at which time, if we should have hot winds, the yield might be injured to some extent; but, from present prospects, everything is in a most promising condition, the season to date having been ideal.

The Radish crop is better than it has been for many years. Our various Beet crops are looking excellent; also Salsify, Kale, Mustard, Celery, Carrot, Lettuce, and various other crops we are growing on an extensive scale, are in a fine condition.

We hope that many seedsmen can arrange to pay us a visit this year and look over the crops, not only on our ranches, but those of other growers, as this is the season above all others for them to make such a trip to California.

CHARLES P. BRASLAN.

Pres. and Gen'l Mgr. Braslan Seed Growers' Co.

Turnip Seed

The supply on hand of many varieties of Turnip seed, of last year's crop, stored in American warehouses, will prove entirely insufficient to meet the demand for sowing this approaching Midsummer, especially so when is considered the fact that the new American crop to be harvested next July will not be one-tenth of what it was formerly.

As for the new crop from Europe, it will not figure in the estimates for this Midsummer, consequently no cheap help can be brought forward to relieve this tense situation, even if there can be purchased in Europe two or three varieties of old crop Turnip seed of types used in America, because the current prices in England, notably for Pomeranian and Amber Globe, have risen over fifty per cent., 15c. and 16c. being the demanded price free on board London, to which must be added 4c. custom house duty, raising the purchase cost to 19c. and 20c.

A small quantity of seed of last year's Cow Horn and White Egg has been quoted at 19c. f. o. b. London, which with the 4c. duty will bring the landing cost to 23c., and a very insufficient quantity at that.

Old seed of Large Early Red Top Globe is not in sight at any price and many letters from Europe confirm each other in the statement that the outlook for Turnip seed, crop 1910, is most dismal and disheartening. All indications are that low wholesale prices on Turnip seed of past seasons are incidents which will not be repeated, not only for this approaching Midsummer but for all future time, and just so with seeds of all sorts, for all seeds, both American and European productions, are costing more.

D. LANDRETH SEED CO.

The Maryland Pure Seed Bill

On page 689 of our issue of April 16 we explained the mix-up in the Pure Seed Bill which was then before the Governor awaiting his signature to become law. From later advices we gather that through the instrumentality of the energetic seed firms who have kept in touch with this seed legislation all along, namely Messrs. J. Bolgiano & Son, Griffith & Turner Co., W. G. Scarlett & Co. and S. L. Lambert & Co., the bill was vetoed, the Attorney-General of Maryland deciding that neither the Collier Bill itself, nor the Biddison Bill which was masquerading as Collier's, had been legally passed by the Legislature.

As we understand it the terms of the defeated bill were vicious in the extreme, the principle being that if the seed merchants were compelled to guarantee the quality and kind of all the seed they sold, the seed merchants, in turn, would compel the growers from whom they secured their seed to guarantee the quality and kind of seed so purchased, and even if that would not work out in practice, the farmers and truckers would be protected, no matter what became of the seed merchants and their business.

As an instance of how even good seed might create trouble and expense, Messrs. Bolgiano & Son quote a case where they sold one of their most desirable market gardener customers ¼ lb. of a superior variety of Tomato seed at $4, whereas the buyer could have purchased ordinarily good seed at 40c. for same quantity. This seed they knew to be as near perfect as was possible; it produced for certain Florida growers perfect fruit and gave entire satisfaction. For their market gardener it produced, as a first crop, the worst kind of knotty fruit. Continuing, they say: "If we had guaranteed that seed for his $4 purchase, he could have recovered several thousands of dollars. Instead of plowing down this worthless crop of Tomatoes, however, he let it remain in the field, and lo and behold, the second blossoms set and produced a beautiful crop of perfect Tomatoes." The explanation of the failure was that the first crop of blossoms had been touched by frost.

MANITOWOC, WIS.—It is understood that the Manitowoc Seed Co. is contemplating a large addition to its warehouse and plant.

GRAND JUNCTION, COL.—Whit Rozelle has purchased the interest of his partner H. M. Cannon, in the Grand Junction Seed Co., and will conduct the business in the future.

CHICAGO.—The A. Ostberg Seed Co. has been incorporated to conduct a general seed, florist, farming and agricultural implement business. The incorporators are Andrew Ostberg, Charles Swanson and E. F. Bell, and the capital $100,000.

BIRMINGHAM, ALA.—At a special meeting of the stockholders of the Amzi Godden Seed Co. held recently two new directors were chosen to fill the places of Major Joseph Hardie and Dr. T. F. Cheek, whose stock was recently acquired by J. H. White. The new directors are: J. H. White and J. B. Dolsen, and with G. B. McVay they will constitute the directorate of the company. Mr. White secured a controlling interest in the stock of the firm and has been chosen president; Mr. McVay was elected vice-president and general manager, and Mr. Dolsen secretary and treasurer.

Publications Received

OHIO AGRICULTURAL EXPERIMENT STATION.—Bulletin 211. Forest Conditions in Ohio.

UNIVERSITY OF ILLINOIS AGRICULTURAL EXPERIMENT STATION.—Bulletin 144. Growing Tomatoes for Early Market.

MARYLAND AGRICULTURAL EXPERIMENT STATION.—Bulletin No. 141. Corn Variety Tests, Seed Breeding, Selection and Testing.

THE WESTERN NEW YORK HORTICULTURAL SOCIETY.—Proceedings of the Fifty-fifth Annual Meeting of the Society, held at Rochester, N. Y., January 26-27, 1910.

U. S. DEPARTMENT OF AGRICULTURE.—Bureau of Plant Industry Circular No. 54. The Substitution of Lime-Sulphur Preparation for Bordeaux Mixture in the Treatment of Apple Diseases.

ONTARIO DEPARTMENT OF AGRICULTURE.—Bulletin 178. Character and Treatment of Swamp or Muck Soils. Bulletin 175. Farm Drainage Operations. Bulletin 177. Lime Sulphur Wash.

THE AMERICAN CARNATION SOCIETY.—Proceedings of the Nineteenth Annual Meeting of the Society, held at Pittsburgh, Pa., January 26-27, 1910. The volume contains 94 pages, covering the papers read before the convention as well as the proceedings proper. A portrait of President Albert M. Herr appears as a frontispiece.

EISELE'S WHOLESALE TRADE LIST

FERNS, Boston and Scottii. From 3-in. pots, $5.00 per 100.

FUNKIA variegata, strong plants, 4½-in. pots, $1.00 per doz.

CLEMATIS, large-flowering varieties, 2-year-old plants; Jackmanni, Henryi, Mme. Veillard, $3.00 per doz.

CLEMATIS paniculata, strong plants, $10.00 per 100; 3-in. pots, $5.00 per 100.

DRACAENA Indivisa, 4-in. pots, $10.00 per 100.

GERANIUMS, Mrs. Parker, 3-in. pots, $5.00 per 100.

PASSIFLORA coerulea, 3-in. pots, $5.00 per 100.

PASSIFLORA Pfordti, 4-in. pots, $1.00 per dozen.

Plants from 2½-in. pots, $3.00 per 100: ACHYRANTHES; LOBELIAS, double and single blue; PARLOR IVY; VINCA variegata; AGERATUM, blue; SALVIA, Bonfire, Zurich; COLEUS, Verschaffeltii, Golden Bedder, Queen Victoria, Quatricolor.

STOCK from 3-in. pots, $4.00 per 100: GERANIUMS, Rose and Nutmeg; LANTANA, Le Naloe; FEVERFEW, The GEM; IVY GERANIUMS; IVY, Hardy English; EUONYMUS radicans and Golden Variegated.

ROOTED CUTTINGS $1.00 per 100: COLEUS, Verschaffeltii, Golden Bedder, Queen Victoria, Quatricolor; ACHYRANTHES Lindenii; PARLOR IVY.

CARNATION Napoleon III. Best hardy everblooming, crimson flowers, 2½-in. pots, $3.00 per 100.

HONEYSUCKLE Halleana, and WOODBINE. Plants, from 4-in. pots, $1.50 per doz.

LEMON VERBENAS, 3-in. pots, $5.00 per 100.

C. EISELE

11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

40,000 Vinca Variegata

Rooted Cuttings 90c. per 100, $8.00 per 1000.
ASTERS, Market White, $3.00 per 1000.
PANSIES, Giant, $3.00 per 1000.
SWEET WILLIAMS, $3.00 per 1000.
DUSTY MILLER, nice seedlings, 75c. per 100.
SWAINSONA alba, 2-in., 2c.
LANTANA, 2-in., 3c.
ABUTILONS, 3 kinds, 2-in., 2½c.
GERANIUMS, Grant, etc., 2-in., $2.00 per 100.
FEVERFEW, Double White, small plants, 75c. per 100, $6.00 per 1000.

Rooted Cuttings, prepaid per 100. Heliotrope, $1.00; Fuchsias, 8 kinds, $1.00; Paris Daisy, yellow, white, $1.00; Cuphea, 75c. Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, Rosea, P. Major, Aurea nana, Fall struck cuttings, 50c. per 100, $4.50 per 1000; Ageratum, 3 kinds, 60c.; Swainsona alba, $1.00; Dbl. Petunias, 10 kinds, $1.00.

Salvia, 90c. Cash with order.

Byer Bros., Chambersburg, Pa.

Please mention the Exchange when writing.

Vinca Variegata

Strong 3½ and 4-in., field-grown, $5.00 and $6.00 per hundred.

Also 5-in. DRACAENA Indivisa, large enough for 8-in. pots, $20.00 per 100.

Five thousand COBAEA Scandens, 4-in. pots, $6.00 per 100, $50.00 per 1000.

Cash With Order

J. J. ARNOLD, Homer, N. Y.

Please mention the Exchange when writing.

A Few Good Things You Want

DRACAENA Indivisa, 3-in., $5.00 per 100; 4-in., $10.00 per 100.
BEGONIA Rex, 2-in., $5.00 per 100.
ASPARAGUS plumosus, 2-in. $3.00 per 100; 3-in. $6.00 per 100. Cut sprays, 25c. per bunch.
ASPARAGUS Sprengeri, 3-in., $6.00 per 100.
GERANIUMS, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in., $3.00 per 100.
FERNS. Whitmani, 4-in., 25c. each. Boston, 4-in., 15c. each; 6-in., 25c. each.
COLEUS, ALTERNANTHERAS, red and yellow, VERBENAS, HELIOTROPE, CIGAR PLANT, SALVIA (Scarlet Sage), Zurich (always in bloom), VINCA Variegata, 2-in., stock of these, $2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

PETUNIAS

PETUNIAS, Single Petunias of Ruffled Giant, California Giant, and Ruffled, striped and blotched. A No. 1 stock, 2¼-in pots, $2.00 per 100, $18.00 per 1000.
GERANIUMS, 4-in., in bud and bloom, Nutt, Ricard, Viaud, Peter Henderson, Buchner, Poitevine, and Rose Geraniums, $6.00 per 100, $60.00 per 1000.
LOBELIA, Crystal Palace, 2¼-in., $2.00 per 100.

Cash please.

S. A. PINKSTONE, 206 Court St., Utica, N. Y.

Please mention the Exchange when writing.

Helianthus Multiflorus Plenus

$4.00 per 100. Per 100

LYCHNIS Viscaria fl. pl. $4.00
PLATYCODON grand. alba. 3.00
PLATYCODON Mariesii 3.00
PHYSOSTEGIA Virginica 3.00
PHYSOSTEGIA spec. alba 3.00
SWEET WILLIAM 3.00

NORMAN & HACKER. Painesville, Ohio

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

From 3-inch pots, $4.00 per 100; $45.00 per 1000.
Cash with order please

FLORAL HILL GARDENS
G. F. NEIPP, Prop.
CHATHAM, N. J.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Best Varieties of Asters

A subscriber asks for the names of the best varieties of Asters, such as are sold for cut flower trade.

Will some of our readers please enlighten Subscriber with a leaf out of their experience?

Cleveland, O.

For the past few weeks the weather has been so warm and agreeable that it has forced Roses out in great quantity, to such an extent, in fact, that some of our craft handed them out gratis in 18,000 lots; however, that was just to show the production.

Today conditions are different; the crop has shortened up considerably. Carnations are still the big seller and the supply is fully equal to the demand. Valley is arriving in limited quantities, while Mignonette, Daisies, Snapdragons and Myosotis are plentiful. Also, now that Easter is over there seems to be lots of Easter Lilies and Callas, while at that time they were very scarce.

Violets are becoming very passé and, while still in demand, the fragrance is not such that it attracts one to this modest flower. A few premature Gladioli may be seen here and there, but the demand is slight. It is surprising how much Asparagus, both plumosus and Sprengeri, is used; it seems hard to get most of the time, because the demand keeps the crop cut so close.

While transient trade on cut flowers has fallen off somewhat, funeral work still demands its usual portion, and keeps the florist from filling up the can he carries "blue paint" in.

The firm of Smith & Fetters, Euclid ave., florists, held a reception on Saturday last in honor of four new members of the firm, Wm. S. Krusen, Louis A. Koons, Jr., Clarence Meyers, and a brother to Mr. Frank Smith, Timothy Smith, popularly called Tim. The store was beautifully decorated and friends and patrons alike were welcomed.

Fire in a bird store in the rear of the Cleveland Cut Flower Co., on High st., occurred last Wednesday p.m. and, but for the quick work of the firemen, might have proved disastrous.

The Bate Bros. of the Cleveland Cut Flower Co. have purchased a Buist machine and expect to utilize same for their various purposes.

Miss Anna Westman of Westman & Getz, contemplates a trip to California and expects when she returns to tell us all about the various kinds of flora seen there.

Mr. Geo. Smith of the Florists' Exchange has also purchased a new auto and will combine pleasure with business.

It seems, by the papers, that the City Forestry Dept. has settled all disputes and claims, and the City Forester may cut down all trees he thinks unfit for city life. Those trees which have San José scale and those that will not stand the city smoke and gas will go first.

Out of Town Notes

Berno Floral Co. of Mansfield, O., have just purchased a new delivery wagon, a very handsome affair, painted black, and with a team of white horses it is expected to be a very fine turnout.

A. J. Winget of Mansfield, O., has a fine lot of bedding plants and some extra choice Hydrangeas.

Julius Ballery of Ashland, O., has some new houses and is filling them with choice bedding stock; he has a splendid location right next to the cemetery.

Lamprecht Bros. of Ashland have been exceedingly busy looking after their bedding stock of which they have a very fine lot.

Mellen's of Ravenna, O., have a fine, new store on the main street and are doing lots of nice business.

W. E. Hall of Clyde, O., has been very ill with pneumonia but is convalescing and will soon be up to resume duties in the greenhouses.

Chas. E. Barton of Norwalk, O., has much improved in health in the last few weeks and is taking a more active interest in his business.

Laible Floral Co. report fine business right along and are constantly enlarging same. Mrs. Laible has transferred her interest in the business to her sister, Miss E. Zwick, as her household duties demand her time.

Frank Lesher, Tremont, O., along with his florist's business, has to look after a number of banquets each month which keeps him pretty busy. O. G.

CANNAS

We are sold out of all Cannas, with the exception of the following varieties, and offer until sold at the prices quoted—

F. O. B. NEW YORK OR CHICAGO FOR IMMEDIATE DELIVERY

Red-Flowering Cannas	100	1000
Louisiana, height 7 ft.	$1.75	$15.00
A. Bouvier, 5 ft.	1.50	14.00
Black Prince, 3 to 4 ft.	1.75	15.00
Exp. Crampbell, 5½ ft.	1.50	14.00
Red, Gold-Edged and Spotted Shades		
Gladiator, 4 ft.	2.75	25.00
Indiana, 3 to 4 ft.	1.75	15.00
Queen Charlotte, 3½ ft.	2.25	20.00
Mad. Crozy, 5½ ft.	2.00	17.50
S. de A. Crozy	2.00	17.50
Pink Shades		
Louise, 5 ft.	1.75	15.00
Mlle. Berat, 4½ ft.	1.75	15.00

White and Cream Shades	100	1000
Alsace, 3½ ft.	$1.75	$15.00
Bronze-Leaved, Flowering Cannas		
Brandywine, 4 to 5 ft.	2.00	17.50
Egandale, 4 ft.	1.50	14.00
Shenandoah, 6 ft.	1.75	15.00
Orchid-Flowering Cannas		
Allemannia, 4 to 5 ft.	1.75	15.00
Italia, 4½ ft.	1.75	15.00
Kronus, 5 ft.	1.75	15.00
Mrs. Kate Gray, 6 ft.	1.75	15.00
Wyoming, 7 ft.	2.75	25.00

Our Cannas are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at 1000 rate. It is cheaper for you to buy a box than 200 at 100 rate.

Not less than 25 of **one variety** at 100 rate or 250 of one variety at 1000 rate.

CHICAGO AND WESTERN AGENTS FOR OUR CANNAS

WINTERSON'S SEED STORE
45-47-49 Wabash Ave., CHICAGO, ILL.

ARTHUR T. BODDINGTON
SEEDSMAN
342 West 14th Street NEW YORK CITY

Please mention the Exchange when writing.

Cyclamen

Splendens Giganteum Hybrids.

The strain which I offer is unsurpassable (August Seedlings), twice transplanted from flats, in five colors including fringed varieties, $3.00 per 100, $25.00 per 1000; from 2½-in. pots, $6.00 per 100, $45.00 per 1000; from 3-in. pots, $7.00 per 100, $66.00 per 1000; now ready.

Geraniums

Standard varieties, strong well-grown plants in bud and bloom from 3½-in. pots, $6.00 per 100, $55.00 per 1000.

PAUL MADER, EAST STROUDSBURG, PA.

Please mention the Exchange when writing.

Double and Single PETUNIAS

Fine plants.

DREER'S STRAIN, 3-in., $3.00 per 100. Per 100
DRACAENA Indivisa, 6 and 7-in..$20.00
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LETTUCE PLANTS, 6 kinds, $1.25 per 1000.
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Also all other kinds of Vegetable Plants by the thousand. Write me for special prices. A 1 Plants only. Liberal count given to help pay the express. Try them.

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Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

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$4.00 per 100; $35.00 per 1000.

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Bushy Plants, 18 to 24 inches at $9.00 per 100; 12 to 18 inches, at $6.00 per 100.

Seedlings, 3 to 5 inches, $8.00 per 1000, with 6-in. roots; 2 to 3 inches, $5.00 per 1000, with 6-in. roots.

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8 to 10 ft. .....$30.00 per 100
7 to 8 ft. (1 inch diameter).. 15.00 per 100

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2 years, clean and smooth, nicely branched.
10 to 12 ft. .....$15.00 per 100
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Low branched.

7 to 9 ft. .....$10.00 per 100
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Several times transplanted.

3 to 4 ft. .....$30.00 per 100
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Transplanted.

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2 yr. cut back, extra heavy.

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This is the best stock GOOD GROWING can produce.

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ELMS, American and European Stock. 4-in to 6-in. diameter, 18 to 25 feet in height.
TSUGA Canadensis, 6 to 9 feet.
PICEA Excelsa, 5 to 10 feet.
PICEA Pungens Glauca, good blue color, 5 to 8 feet.
THUYA Occidentalis, 6 to 10 feet.
All above stock well grown and transplanted.
The soil lifts in a ball.

Extra large plants of general variety of Shrubs, too numerous to list here.

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Standard—Tree Box—Pyramidal

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100 Acres of Nursery. Ask for quotations upon your own list of wants.

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A well-rooted, shapely lot of trees, 2 or more times transplanted.

500—12 to 18 in.....at $5.00 per 100
500—18 to 24 in.....at 8.00 per 100
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Pink Climbing Rose—Dorothy Perkins

Without doubt the most valuable of all the new Climbing Roses of comparatively recent introduction. The beauty of the double pink flowers is admirably set off by the rich green foliage, which is free from the attacks of insects.

In addition to this charming kind, we have all the popular varieties in climbing and bush Roses. Our General Catalogue, which will be mailed on request, contains descriptions of all the best Roses—also

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ELLWANGER & BARRY,

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New Rose American Pillar

NO Climbing Rose is attracting the attention that "American Pillar" does, and most deservedly so. It is by far the best single-flowered climbing rose for outside purposes; and on account of the great durability of its flowers, it is the best single-flowered forcing rose.

July 12, 1909.

Gentlemen:
Let me tell you, too, that the American Pillar is a better Rose than you know, perhaps. The plant I had from you, which was planted **this Spring** under unfavorable conditions, is now giving us a **succession of most exquisite bloom.**

Yours truly,
J. HORACE McFARLAND,
Pres. of American Civic Association, Harrisburg, Penna.

COMMENT FROM THE LONDON GARDEN

"A most notable feature in this glorious display (Temple Flower Show in London) was the New 'American Pillar' Rose. The large and attractive rich rose pink blooms are produced in immense clusters, the white centers of the blooms adding to their attractiveness. —Floriste' Exchange.

2½-inch pot plants, $1.50 per dozen, $8.00 per 100, $75.00 per 1000.

4-inch pot plants, $3.50 per dozen, $25.00 per 100.

The Conard & Jones Co.

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A fine assortment of strong plants, from 2½-inch pots, at **$3.00** per **100.**

F. O. B. our shipping point, Trenton, N. J.

200 SWEET WILLIAM—Single, red and white.
700 " " —Everblooming hybrid, Dianthus atrococcineus, il. pl.
200 " " —Single, crimson.
1400 " " —Single, white.
1000 " " —Maroon.
200 HARDY PINKS—Dianthus plumarius sempervirens.
400 " " —Single, mixed.

The Wm. H. Moon Co., Morrisville, Pa.

TREES AND PLANTS

Of every kind and description, in wholesale quantities

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AMERICAN ASSOCIATION OF NURSERYMEN
F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-president; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer.

TOPPENISH, WASH.—The Washington Nursery, one of the largest in the Northwest, has just completed planting 300 acres of nursery stock. More than 5,000,000 trees are planted.

FULTON, ILL.—A nursery business is to be established here under the title The Riverside Nursery Co., John Newendyke and E. J. Thompson, proprietors. Fruit trees are to be a specialty.

TYLER, TEX.—J. M. Yates, manager of a nursery company near Sherman, has a tract of land west of here on which he will plant a large nursery. He has secured the services of F. E. Icheda of Rowland, Cal., a Japanese berry grower and truck farmer, to conduct the nursery. The East Texas Nursery Co. of this place has been incorporated with a capital stock of $50,000. Ed. W. Minus, C. C. Crews and others are incorporators.

KINGSTON, N. Y.—The New York board of water supply has established two nurseries in the Ashokan district in order to raise trees which will be required in protecting the reservoir and dikes and which will also be used in beautifying the grounds around the reservoir. Twenty thousand seedlings are being cared for, most of them young Pine trees, but there is also a large proportion of Locust trees, for use in many ways after the reservoir is completed, principally for fence posts.

The Biltmore Forest School, located on the Vanderbilt estate at Biltmore, N. C., and whose director is Dr. C. A. Schenck, is about to visit the tree nurseries of New York State. The students, with Professor Schenck, have been spending the Winter in the German woods at Darmstadt, Germany, where the well-founded forestry methods existing there are carefully studied. A cablegram received from Dr. Schenck by Commissioner Whipple states that the students will arrive on one of the Holland-American line steamers April 18, and will locate at Coreys, Franklin County, which is near the center of the Adirondack forests and in close proximity to the State's largest tree nurseries.

Clerodendron trichotomum

In late Summer, when hardly a shrub is in flower, there is one, and a beautiful one too, that can always be depended on for flowering, the Clerodendron trichotomum. Why it is not more to be found in collections is hard to say, for it must be hardy enough to be planted much north of Philadelphia, for in that city and in adjacent counties it bears zero and below it with impunity.

As said, it is a late Summer-flowering shrub, in fact it is in flower in September often, which would place it in the Autumn list. It is one of many Japanese shrubs that have proved well adapted to our climate, coming, evidently, from a part of Japan where it underwent severe weather.

The illustration we published on page 653, in our issue of April 9, shows conclusively what a pretty shrub it is, having large, handsome leaves and attractive flowers. The foliage is of a purplish red color, including the petioles, while the calyxes of the flowers are rose tinted, the petals being of a cream color and of a waxy appearance. The flowers are delightfully scented, perhaps to recompense one for the odor of the leaves, for when rubbed not every one likes the smell of them; still, as a lawn specimen, as our plant is, no one need rub the leaves.

As this Clerodendron may be increased from either hard or soft wood cuttings as well as from portions of its roots, there is no reason why nurserymen should not have a large stock of it. There is another species sometimes seen in collections outdoors, but as it is not hardy, above ground it requires to be treated as a herbaceous perennial, the roots covered with a thick mulch on the approach of Winter to preserve them. This is the C. Bungei of old lists, now called C. fœtidum.

There are a few others from China and Japan which should be fairly hardy, among them serotinum, fragrans and squamatum, and perhaps these have been tested by some, but they do not appear to be cultivated in any nursery or to be offered for sale by anyone.

There are a great many species found in botanic gardens of Europe, about two dozen or so of them; and in the large exhibitions of the prominent horticultural societies there, in collections of plants some species of the Clerodendron often appear.

Copper Beech

The purple-leaved Beech is such an uncommon one in its way, surpassing in growth any other tree with purple foliage, that nurserymen found it one of the best selling of all the purple-leaved kinds. The original purple-leaved Beech is said to have originated in Germany. As is well understood, it is a variety of the European species, Fagus sylvatica. There are many variations in the purple Beech, some are of more intense purple than others, while still others are of a coppery color. These variations are accounted for by their being raised from seed, though probably a good purple one will sometimes produce a shoot differing in intensity of color, perhaps darker or lighter than the original. The best purple-leaved variety is the one known as Rivers' Purple. It is almost of a black color, and in habit not as bushy when young as are Beeches usually. It is increased by layering, inarching and grafting; and conceded, as it is, to be the best of all purples, good specimens of it are always in demand.

In former days Purple Beech, Blood Beech and Copper Beech were synonymous names. A customer using any one of these names was understood to wish a Purple Beech, but nowadays a distinction is made by some who, when speaking of Copper Beech, mean the lighter purple kinds, such as seedlings of the purple one generally are. By sowing a pound of the seeds of the purple one, seedlings of varying degrees of intensity will result, some perhaps as dark leaved as the original tree from which the seeds came, while others may be much lighter, and some even as green as the common Fagus sylvatica. When Copper Beeches are raised from seeds the plants are much bushier than Rivers' Purple of the same height, a difference by which they are easily distinguished should they become mixed.

All Beech trees appreciate early Spring planting and a thorough good pruning at the same time.

THE BOOK OF WATER GARDENING. By Peter Bisset. The only recognized authority on aquatics. Profusely illustrated. Price, postpaid, $2.50. A. T. DELAMARE PTG. & PUB. CO., 2 Duane St., N. Y.

Flowers of Chionanthus Virginica

Chionanthus Virginica—White Fringe

We do not get the flowers of the White Fringe among the earliest of those of Spring. It is rather behind the earlier shrubs to display blossoms. The shrub itself is slow of appreciating the presence of Spring, being among the latest ones to leaf out, and the flowers come with the first unfolding leaves.

The name, White Fringe, is well given it. The flowers are in long racemes, snow white, sometimes nearly a foot in length, and in the South are not unaptly called "Old Man's Beard." In some foreign works it is said of the flowers that they are scented, but if they are they are so faintly so that it cannot count as making it of any additional value. A small illustration conveys a good idea of what the flowers look like, so far as two shoots set side by side can do it. The lace-like flowers are of light white color, and as nearly every twig carries a bunch of them the appearance of a large bush is most attractive.

Chionanthus Virginica—White Fringe

The White Fringe belongs to a class in which are shrubs that do not all bear seeds. There are of this shrub some with perfect flowers, others having but pistillate or staminate flowers, so that when obtaining a plant, if one can be had that has already fruited so much the better.

Our principal photograph is of a fine specimen of the Chionanthus, taken when full of its ripe fruit. It was so heavily laden as to weight the branches down, as a glance at the illustration proves. The fruit almost represents bunches of Grapes, with purple-colored fruit. Inside the pulp is a hard bony seed; and birds are not slow in eating the pulp when it is ripe. The White Fringe is found wild from southern New Jersey, southern Pennsylvania through the South. For a time it was not included in the New Jersey flora, but it grows there, between Camden and Cape May. While there is not any difference in the flowers of the White Fringe, excepting that those of the perfect form are hardly as handsome as those of the others, there is great variation in the foliage. Some have broad leaves, others comparatively narrow, etc., giving rise to such varietal names as latifolia, angustifolia and the like; and there is one called maritima.

In these notes and in nursery lists the Chionanthus is mentioned as a shrub. It is usually found as such in collections, yet it becomes a small tree in time. In low ground in the South it is often found 25 ft. high, with a trunk 6 in. in diameter; but when used in ornamental plantings it takes on a shrub form if let grow as it will. Plant the White Fringe in deep, moist ground if such a place is available.

Fruit of Chionanthus Virginica

Shade Trees

A large stock of Lombardy and Carolina Poplars, Lindens and Maples.
Shrubs in assortment, including California Privet.

ROSES

Climbing Roses in variety. Soliel d'Or and Persian Yellow.

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Ask for our General Catalogue and special offer.

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A Rose for Every Greenhouse

GRAFTED ROSES

WHITE KILLARNEY, MY MARYLAND, PINK KILLARNEY, RICHMOND

Rose Pots .....$15.00 per 100
3½-inch Pots .....$18.00 per 100

BRIDES, BRIDESMAIDS, GOLDEN GATES, LA FRANCE, KAISERIN

Rose Pots .....$10.00 per 100
3½-inch Pots .....$15.00 per 100

OWN ROOT ROSES

WHITE KILLARNEY, MY MARYLAND, RICHMOND, PINK KILLARNEY, AMERICAN BEAUTY

3-inch Pots .....$9.00 per 100
4-inch Pots .....$12.00 per 100

BRIDES, BRIDESMAIDS, PERLES, SUNRISE, GOLDEN GATES, CHATENAY, KAISERIN

3-inch Pots .....$7.00 per 100
4-inch Pots .....$10.00 per 100

We will have large quantities of White Killarney and American Beauty Rose plants of the best quality for Spring Delivery.

Verbena and Coleus cuttings and plants ready for shipment.

Send for circulars.

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Grafted Roses

We have an exceptionally fine stock of grafted plants, strong, clean and healthy.

White Killarney, My Maryland, Kaiserin, Bride, Bridesmaid, 2½-inch pots, $15.00 per 100, $120.00 per 1000.

OWN ROOT STOCK, NOW READY

White Killarney, 2½-inch pots, $8.00 per 100, $75.00 per 1000.

Bride, Bridesmaid, Kaiserin, Carnot, W. R. Smith and President Taft, 2½-inch pots, $5.00 per 100, $40.00 per 1000.

S. J. REUTER & SON, Inc.
WESTERLY, R. I.

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ROSES for forcing—Hybrid Perpetuals and Ramblers, all the best ones; fine, strong stuff.
CLEMATIS, AMPELOPSIS, TREE HYDRANGEAS and LILACS, SHRUBS, VINES and PERENNIALS. Write for prices.

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HOLLANDIA NURSERIES

Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

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The Last Call of California Privet

	Per 1,000	Per 10,000	Per 20,000
1 to 1½ feet	$10.00	$90.00	$160.00
1½ to 2 feet	16.00	140.00	250.00
2 to 2½ feet	20.00	175.00	325.00
2½ to 3 feet	22.50	200.00	375.00

Bushy stock; even my 1 to 1½ feet are well branched. Order early of

C. RIBSAM, 31 WALL STREET TRENTON, N. J.

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California Privet

See our prices on small lots in classified advertisements.

For large orders in carload lots we can do better, and will ship you 10,000 18 to 24 inch, 4 to 6 branches, in bulk in car, for **$100.00.** Cash with order. Other sizes in proportion.

Jos. H. Black, Son & Co.
Hightstown, N. J.

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ROSES

FOR SALE

Choice lot of Brides and Bridesmaids, from 2½-in. pots, $2.00 per 100; from 3-in. pots, $2.50 per 100; all on own roots from Grafted Stock, also

5000 GALVANIZED CARNATION SUPPORTS, three rings, Parker's Patent, $5.00 per 1000 delivered at greenhouse, or $6.00 packed, almost as good as new.

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INDOOR GRAPE VINES

Strong, one year old planting canes, just right for present planting.

In the following varieties:

MUSCAT OF ALEXANDRIA
BLACK HAMBURGH
BUCKLAND SWEET WATER
DIAMOND JUBILEE
MILTON CONSTABLE
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Price, $2.50 each (Two dollars and fifty cents)

SCOTT BROS. Elmsford Nurseries ELMSFORD, N. Y.

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DELPHINIUM BELLADONNA

Everblooming Hardy Larkspur, 2-in. pots, $3.50 per 100, $30.00 per 1000.
DIANTHUS Latifolius atroc. fl. pl. Everblooming, 2-in. pots, $2.00 per 100.
MYOSOTIS Palustris Semperflorens, fl. pl., 2-in. pots, $2.00 per 100.
SHASTA DAISIES, 2-in. pots, $2.00 per 100.

Cash with order, please.

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WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

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50,000 CALIFORNIA PRIVET, fine 1-year-old stock, 18 to 24 in., $2.00 per 100, $15.00 per 1000; 24 to 30 in., $2.50 per 100, $20.00 per 1000. Special prices in 5000 lots to dealers, all No. 1 stock. 5,000 extra strong AMPELOPSIS Veitchii. Field grown vines, live tops and roots, now in cellar. $4.00 per 100, 500 at $3.50 per 100. P. S. 25,000 Canna Roots.

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Bumper crops for Spring delivery.

THE LEEDLE FLORAL COMPANY SPRINGFIELD, OHIO

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ROSES From 2-inch pots at Rose Lawn Greenhouses

Kaiserin, $3.50 per 100.
My Maryland, $6.00 per 100.
White Killarney, (Waban strain), $8.00 per 100.

Cash with order. Address

J. HENRY BARTRAM, Lansdowne, Pa.

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Strawberries and other Small Fruit Plants

Wm. Belt, Sharples, Brandywine, Bubach, Tennessee, Haverland, President, Nick Ohmer, Cardinal, Corsican, New Home, Parson's Beauty, Dunlap, Sample, Saunders, Aroma, Success, and Mount's Early; 75c. per 100, $3.00 per 1000. Steven's Late Champion, $2.50 per 1000, 5000 for $10.00. Not more than 3 varieties in 1000 at the 1000 rates.

BLACKBERRY, Ward, $1.50 per 100, $12.00 per 1000.

RASPBERRY, Melch and Cuthbert (Red), $1.50 per 100; Kansas, $1.00 per 100, $7.00 per 1000; Cumberland (Black Raspberry), $1.50 per 100, $10.00 per 1000.

Send for price list.

Address

CHARLES BLACK, Hightstown, N. J.

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Fragrant Clove-Scented Pinks

Grow out-of-doors, bloom in June, live for years, may be grown in clumps or borders, make an ornamental plant the entire season, foliage light green.

GLEN VALLEY, Variegated, an improved new mound variety.

EDITH, medium shade of pink.

EDITH 2ND, has two distinct shades of bloom on same stalk.

Good sized plants of above, $5.00 per 100; clumps $2.00 per dozen.

THADDEUS HALE, Wellesley Hills, MASS.

Corner of Forest and Seaver Streets

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Darwin Tulips—Baronne de la Tonnaye

American Grown Darwin Tulips

The Hubert Bulb Co. of Portsmouth, Va., recently sent us a box of flowers from Darwin Tulips, American-grown bulbs, of the following varieties: Flambeau, Baronne de la Tonnaye, Spring of Roses, Nauticus, Painted Lady, La Noire, Clara Butt, Faust, Europe, Margaret, Calliope, Farncombe Sanders, Salmon King, Carminea, Sultan, Louis Mimmerel, and Pride of Haarlem.

Several of the varieties are eminently suited for commercial purposes as cut flowers, and have figured this season in the Eastern markets.

Clara Butt, one of the most popular varieties in the London market, is considered to be an excellent cut flower variety. Its color is bright rose and its form very pleasing.

Painted Lady approaches more nearly pure white than any of the Darwins, and is destined to become a favorite with florists. Before maturity the flowers bear a purplish tinge, but this gradually disappears as they finish, the color when fully developed being practically a pure white. Many prefer them cut just before reaching the finishing point, and it is then that the name "Painted Lady" is most significant. Unlike the Cottage varieties this one never opens after being cut, retaining the shape most desired by florists.

Baronne de la Tonnaye in color is somewhat similar to Clara Butt, but a trifle less glowing, and more rounding in shape at the base. The edges of the petals, too, show a little lighter in shade. It is an excellent variety for cut flower purposes and remains as cut until the petals drop.

Nauticus is a distinct rose pink, flowering about mid-season. It is beautiful in form and produces excellent commercial blooms. It rarely opens to the full and is an excellent keeper.

La Noire, Faust and Sultan are what may be termed "black" varieties, but most beautiful in their sombre, deep crimson tones, which vary in the order of their naming. Their satiny sheen relieves the color to such an extent as to make them most useful in a vase of mixed flowers of harmonious colorings.

Farncombe Sanders is a bright, fiery scarlet. In the field or in beds, when in bloom, it is so glaring as to compel the closing of one's eyes. It opens rather more than some other varieties, but, when cut, never fully, and is pleasing to the last.

Margaret is a pale rose, and flowers quite early. It is a beautiful variety and excellent as a bedder.

Barrone de la Tonnaye is a full Rose in color, of splendid form, and retains its semi-closed shape when cut.

Calliope is a grand flowering sort, a deep rose with petals edged white, a good commercial variety, especially for cutting.

Europe is another scarlet, similar to Farncombe Sanders, but retaining its shape better.

Queen of Roses is an early variety similar to Nauticus.

Pride of Haarlem is a rosy crimson, one of the largest of the Darwin type, and useful on account of its size.

Flambeau is a light crimson with purplish shading. Its flowers are of excellent shape and are held well.

Salmon King is a salmon pink, of good shape and very attractive. Carminea is a pleasing variety, its color well described by its name. Louis Mimmerel is an early sort, similar to Queen of Roses.

The ordinary Cottage Tulips have much less stamina when cut than those of the Darwin type, hence the growing popularity of the latter among florists.

Darwin Tulips—Farncombe Sanders

Darwin Tulips—Clara Butt

Shrubs in Tree Form Nurserymen are growing shrubs in tree form to a greater extent than has been their custom heretofore. There are many positions for these specimens. Often, in places of moderate dimensions, a shrub in standard form is preferable to a bushy one, leaving more ground space, frequently a matter of some importance. Even on lawns of large extent the addition of standard shrubs to those of bush shape gives more character to the planting; so that the growing of this kind of shrub will probably increase in extent.

There is not much art required to get the tree form. But a strong, straight shoot is necessary, headed off at a given height. A stem of from 3 to 5 ft. is what is oftenest seen. Hydrangeas, Spiræas, Japanese Snowball, Lilacs, Weigelas, Forsythias, Mock Oranges, Deutzias, Privet, and all strong growing shrubs may be so treated.

It is often a good plan to cut down an old bush, seeing to it that but a single strong shoot is allowed to start up from the base, to become the "trunk" of the standard desired. When the desired height is reached, by heading it off a head is formed, which can be let grow in a free way or pinched back now and again, to form a globe shape, according to what may be desired.

Darwin Tulips—Painted Lady

English Holly At this, the planting season in the North, one may be excused for again calling attention to the well-doing of the English Holly, when set in sheltered places. Speaking for Philadelphia and the adjacent counties of Bucks and Montgomery on the north and east, and Delaware on the south, there is no question of the well doing of this Holly outdoors. What it wants is to be where but little sun will reach it in Winter and where the heavy winds of that season will not reach it unless broken to some degree. All evergreens, even native ones, thrive the best when in groups, because of the protection one is to the other, and this Holly is no exception. Last week the writer saw two that had been planted last Spring in just such a favorite position as described, and they were perfect in every way, every leaf as green as in Summer. Others are here that have stood out without any more protection than the situation gave them, and they, too, are not in the least hurt, and have passed through several Winters.

The best time to plant them is in Spring, whether in pots or not, in order that good roots will be made and the plants well established before Winter sets in. Referring again to the grouping of them, there might be a gain in this in getting Holly berries, supposing there would be both staminate and pistillate kinds among them.

J. M.

Darwin Tulips—Faust

Ready With the Finest Lot of Palms We've Ever Put Out!

You have probably never seen a more handsome collection of Palms than we are offering this season—grown right here from seed in our houses by men who make that their business. Even with our past experience as Palm growers, we feel that we have made a new record with our present stock.

You will get better satisfaction—better service—from our Palms than from most others you can secure. They are of the best quality obtainable; our large customers—purchasers who demand and pay for the best—come back to us, year after year, for their extensive stocks.

Our Palms are strictly home-grown; they are clean, thrifty, vigorous, and are worth more, plant for plant, than foreign-grown Palms of equal size; yet ours cost no more than imported plants, as the following prices will prove:

ARECA LUTESCENS.

3 plants in pot. Each

6-in. pot, 20 to 28 in. high.$1.00
7-in. pot, 30 to 32 in high. 2.00
8-in. pot, 36 in. high.....2.50
8-in. pot, 42 in. high..... 3.00

COCOS WEDDELLIANA.

2½-in. pot, 8 to 10 in. high, $10.00 per 100.

KENTIA BELMOREANA.

6 to 7 leaves.	Per doz.	Per 100
6-in. pot, 18 inches high	$6.00	$50.00
5-in. pot, 20 inches high	9.00	70.00

KENTIA BERMOREANA.

6 to 7 leaves. Each Doz.

6-in. pot, 22 to 24 in. high $1.00 $12.00
7-in. pot or tub, 32 to 34 in. high.... 2.00 24.00
9-in. tub, 5 ft. high, $7.50 and $8.00 each.

MADE UP KENTIA FORSTERIANA.

Each

9-in. tub, 4 plants in tub, 42 to 48 in. high.....$4.00
12-in. tub, 4 plants in tub, 6 ft. high 15.00

PHOENIX ROEBELENII.

5-in. pots, nicely characterized $1.00
6-in. pots, nicely characterized 1.50

We are already booking large orders and are now in excellent shape to give the best possible attention to your wants. Can ship anywhere by feight with perfect security.

Write for full particulars, with prices; or, if possible, call and inspect our stock. We are easily reached from Philadelphia and you will find a trip to our plant decidedly interesting. Let's get better acquainted!

Joseph Heacock Company, Wyncote, Pennsylvania

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PALMS! KENTIAS, in 2½ inch pots, $8.00 per 100, $75.00 per 1000.

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Strong, established plants from 3-inch pots, ready for a shift into 5's, or for planting in the bench.

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Some Plant Bargains

DRACAENA Indivisa, 5½ and 6-in. pots, 24 to 36 inches high, $4.00, $6.00, $9.00 per doz., also by the 100.

BOXWOOD Bushes, 20c., 25c., 35c., 60c. and 75c. each; also by the doz. or 100.

BOXWOOD Pyramids, 3 feet above tub, $3.00 a pair.

DRACAENA Fragrans, 6½-in. pots, 60c.; 6-in. pots, 75c.; 7-in. pots, $1.00; 8-in. pots, $1.50 and $2.00 each.

DRACAENA Lindeni, 6½ and 7-in. pots, $1.25 and $1.50 each.

DRACAENA Massangeana, 6-in., $1.00 each; 6½-in., $1.25 each; 7-in., $1.50 each.

PHOENIX Roebelini, 4-in. pots, 60c.; 4½-in., 75c.; 6-in., $1.00; 6-in., $1.50 each.

CYCAS Revoluta, 60c. to $1.50 each.

RUBBERS, single plants, 7-in. pots, 3½ to 4 feet high, $1.00 each; 7 and 8 in. pots, 4½ feet high, $1.50 each.

RUBBERS, combinations, 10-in. pots, 3½ feet high, 3 plants in a pot, $3.00 each; 11-in. pots, 4 feet high, 4 plants in a pot, $4.00 each; 9-in. pots, 3 feet high, 4 plants in a pot, $3.50 each.

ROSES

Timed to bloom in about a week, fine bushes; **Flower of Fairfield,** new ever-blooming Crimson Rambler, best ever introduced, $12, $18 and $24 a dozen.

Crimson Ramblers, in bud, fine bushes timed for Decoration Day, $75.00 per 100.

Tausendschon, pink, very fine, $1, $1.50 and $2 each.

Mrs. Cutbush, pink, $9 and $12 a dozen; **Lady Gay, Dorothy Perkins** and **Hiawatha,** assorted, $9 a dozen; timed for Decoration Day.

Standard Roses, in variety, established in pots, $1 each.

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San Francisco

The Market

In the cheaper grades there are just about twice as many flowers coming into the city as the market requires and consequently prices are a trifle low. The splendid weather which we have been having for some time past has, in a way, influenced the market to some considerable extent, inasmuch as we have been favored with an overabundance of outdoor flowers which, naturally, has helped to lower prices on the higher grade stock. Roses continue to sell moderately well. American Beauty is becoming a little more plentiful, while Richmond and Killarney fetch fairly good prices. Carnations are beginning to suffer from the abundance of cheap flowers and prices are lower than they have been for some time past. Darwin Tulips are beginning to make their appearance in considerable quantity and meet with a good demand, especially scarlets and yellows. Sweet Peas sell moderately well, while Violets are being peddled on the street at five cents per bunch. In the choicer grades of flowers prices continue to hold good. Orchids and Gardenias are in good demand and fetch top-notch prices. In the stores pot plants are plentiful. Rambler Roses are seen in quantity, while Azaleas, Spiræas, and Wistarias meet with a limited demand.

Various Notes

Samuel Lundy is in town interviewing the local florists.

CROTONS

Fine variaties, first-class plants, highly colored, 25c., 35c., 60c., 75c. and $1.00 each.

DRACAENA SANDERI, 3-in., 25c.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

The usual monthly meeting of the Pacific Coast Horticultural Society was held in the Poleta Hall last Saturday evening, April 9. A proposal to hold a picnic some time in June was favorably received and an entertainment committee was appointed to make the necessary arrangements. Mr. Kettlewell of San Mateo had a very attractive exhibit of choice vegetables on the exhibition table, which received a vote of thanks. Other exhibits included an excellent strain of Primula obconica from H. Plath. Four new members were elected. The next meeting of the Society will be held the first Saturday in May, at 8 p.m., when arrangements will be made for holding the Society's annual exhibition.

The J. R. Sievers Co. on Polk st. have erected another house to be used for the cultivation of Orchids.

Robert Armstrong has taken over his duties as head gardener to the Realty Syndicate.

E. Gill, the well-known Rose grower of West Berkeley, reports having had an excellent Spring trade, the call for Roses and general nursery stock having exceeded all previous records. Mr. Gill has purchased eighty-five acres of good land near San José, which he will plant to Roses. The Camellias at West Berkeley are at present one mass of bloom and are worth going a long way to see.

Mr. Siekfried, the well-known Orchidist of Alameda, sailed for Japan on the steamship Siberia April 12.

A consignment of three thousand Phalænopsis was received in excellent shape by the McRorie-McLaren Co. last week, from the Philippines.

H. Plath of Ocean View is keeping up his reputation as a Fern grower. A recent visit to his nurseries was made by the writer. Mr. Plath has somewhere about one hundred thousand small Ferns in twos and threes ready for sale and all looking in the pink of condition. The Adiantum in this establishment is worth going a long way to see, whole stretches of glass being devoted to this Fern for cut purposes. Two houses of small Palms in thumbs looked remarkably good, as also did a house of Dracænas.

J. Mischon, for the past six years with the J. H. Sievers Co. of San Francisco, has accepted a position with the McRorie-McLaren Co.

Among the notable visitors who have recently expressed their admiration at the beauties of Golden Gate Park were Lord Kitchener and Lady Sarah Wilson, who spent considerable time in the park after their arrival in San Francisco.

Podesta & Zaldocchi had an excellent window display of pot Rhododendrons in their store last week.

The Sievers' store on Powell st. continues to show excellent taste in store decorations. A window display of Anthuriums and Orchids this week attracted considerable attention.

The Art Floral Co. reports having had a great demand for choice floral designs. In this line it has few equals and its window display of made-up pieces during Easter week was both interesting and attractive.

The McRorie-McLaren Co. reports having had an excellent Spring trade in its landscape department. Two carloads of Orange trees and one carload of Palms arrived from the South this week, for one of its contracts in the Burlinghame district.

The hills and fields in the San Mateo district are ablaze with the golden tints of Poppies at present. There are few sights more inspiring than a field of Californian Poppies.

Wm. Herterich of San Gabriel was a recent caller in town.

The C. C. Morse Co. on Market st. is having a heavy demand for garden seeds of all descriptions this year. The store is a hive of industry these days.

A recent visit to the J. B. Coryell Estate showed the Orchids in elegant shape. A house of Phalænopsis in this establishment is "a sight for sair een" and would create somewhat of a sensation if it could be taken to the coming Boston show. WM. MCW. BROWN.

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Nassau County Horticultural Society

APHINE

Was pronounced by many experts to be the most effective insecticide on the market today for general greenhouse and outdoor use.

The demonstration again proved conclusively that Aphine will do all that is claimed for it.

A trial will convince you.

Send for descriptive circular; also name of nearest selling agent.

Aphine Manufacturing Company

Madison, N. J.

Please mention the Exchange when writing.

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Hollander Arrested for Customs Fraud

Jacs Smits, a florist, of Holland, was arrested in New York, by United States Marshal Henkel, April 20, charged with presenting false consular invoices on importations of Blue Spruce, Japan Maples, and Rhododendrons. The invoices valued the consignment at $163. The customs authorities said this was too low. Smits pleaded not guilty to Commissioner Shields and was held for examination on Saturday.

Canal Dover, O.

Peonies and other plants are so far advanced that Betscher's expect to cut their main crop before May 30. Lilacs are showing color now and Mock Oranges are far enough advanced to bloom by May 1. Plums were in bloom April 1. Apples April 10, last year just a month later. Peonies usually bloom about four weeks later than Plums.

Owing to the very favorable conditions Gladioli were planted March 9 and many are now 6 in. high. Each frost marks a line across the growths of same, but some will likely be in bloom about June 15.

Indications are for a phenomenal crop of all things. Never did fruits show better display of bloom than this year. Conditions have been ideal: some frost now but apparently very little damage is done thus far.

Business has been very good this Spring. C.

Utica, N. Y.

Peter Crowe, who for nearly 40 years has been active and prominent in the flower business in Utica, has determined to take a personal interest in the retail business and has formed a company with Henry G. Martin which will be known as the Crowe & Martin Company, and which will carry on the business which for five years has been successfully conducted by Mr. Martin at 221 Genesee st., corner of Blandina. Mr. Crowe will be the manager of the business, while Mr. Martin will be in immediate charge as heretofore. Mr. Martin's business has increased to such an extent that he found it necessary to enlarge his facilities, and he is fortunate in entering into business associations with Mr. Crowe, whose long experience and thorough knowledge of the demands of the people of Central New York in the flower line make his judgment invaluable. In addition to the greenhouses of Mr. Martin on Erie st., the new company will be supplied by Mr. Crowe's 15 Rose houses on Genesee st. The combination of the experience and knowledge of Mr. Crowe with the enterprise and activity of the junior member will be a strong one, and that it will be successful there can be no doubt.—*Utica Herald.*

Firms Who are Building

LOOMIS, CAL.—B. H. Bassett is building an addition to his greenhouse.

SCHULTZVILLE, N. Y.—Elmer Wooden is preparing to build a Violet house.

STAATSBURG, N. Y.—Three large greenhouses are being built on the Dinsmore estate.

WILSON, N. Y.—Roy Church is building a new greenhouse twice the size of his present house.

WOBURN, MASS.—Wm. Ward of Montvale will build an additional greenhouse in the near future.

COUNCIL BLUFFS, IA.—The J. F. Wilcox Floral Co. is building seven additional greenhouses.

BRATTLEBORO, MASS.—W. H. Oldenburg is building a large addition to his greenhouse on Maple st.

LAKE LINDEN, MICH.—The Pearce Hardware & Furniture Co. is about to embark in the florist business, and is building two greenhouses, each 27 by 100 ft.

ROSES

Own Root, Fine Stock

White Killarney, 2¼-in., $1.50 per doz., $8.00 per 100. Chatenay, Carnot, Kaiserin, Killarney, Perle, Richmond, Sunrise and Sunset, $5.00 per 100. Bride, Bridesmaid, Golden Gate and Uncle John, $4.00 per 100.

Mammoth Verbenas

Rooted Cuttings, $1.00 per 100, $8.00 per 1000.

Asparagus Plumosus

From 3-in. pots, $6.00 per 100; from 2¼-in. pots, $3.00 per 100.

Asparagus Sprengeri

From 4-in. pots, $10.00 per 100.

Dracaena Indivisa

4-in., $15.00 per 100; 6-in., $20.00 per 100.

MISCELLANEOUS

ABUTILON Savitzi, 2¼-in. pots, $3.00 per 100.

AMPELOPSIS Veitchii. Pot grown, $3.00 per 100 and $6.00 per 100 (two sizes).

ACHYRANTHES. Best varieties, $1.00 per 100, $8.00 per 1000.

AGERATUM. Blue and white, $1.00 per 100, $8.00 per 1000.

CANNAS, Dormant Tubers, $2.00 and $3.00 per 100, $18.00 and $25.00 per 1000.

CARNATIONS: From pots and Rooted Cuttings; send for catalogue for varieties and prices.

CHRYSANTHEMUMS, 60 fine varieties, Rooted Cuttings, $1.50 and $2.00 per 100.

COLEUS. Bedding and fancy varieties, $1.00 per 100, $8.00 per 1000.

CUPHEA platycentra. $1.25 per 100.

BEGONIA Erfordi. Pink and white, $2.00 per 100; Crimson Bedder, $2.00 per 100.

FEVERFEW, The Gem. $1.50 per 100, $12.00 per 1000.

FORGET-ME-NOT, $1.50 per 100.

FUCHSIAS. Double and Single, $2.00 per 100.

GERANIUMS. Double and Single, $3.00 per 100, from 2¼-in. pots.

GERANIUMS, Ivy-leaved, 2¼-in. pots, $3.00 per 100.

GERMAN IVY, $1.50 per 100.

HELIOTROPE. 8 best varieties, $1.25 per 100, $10.00 per 1000.

LOBELIA. New double blue, $2.00 per 100.

MOONFLOWER (True). White, $2.00 per 100; $15.00 per 1000.

SALVIA, New varieties, $1.50 per 100; $12.00 per 1000. Splendens and Clara Bedman, $1.25 per 100; $10.00 per 1000.

STEVIA, Variegata and Compacta, per 100, $1.25.

SMILAX, from 3-in. pots, $4.00 per 100.

VINCA, Variegata and Elegans, 1 year, strong, from 4-in. pots, $10.00 per 100.

WOOD BROTHERS, FISHKILL, NEW YORK

Please mention the Exchange when writing.

Dracaena Indivisa

In order to make room, very low prices on exceptionally nice plants. **Heavy, perfect specimens,** from 6-7-8-inch pots. An opportunity whether in need of a few or many.

JOHN M. COOKE, White Plains Road TARRYTOWN, N. Y.
Glenville Nurseries

DRACAENA INDIVISA

Bench grown, 1 year, transplanted; $1.50 per 100, $12.00 per 1000.

Dwarf Alyssum, Giant Stocks, Senecio (Parlor Ivy), Feverfew, and Alexander Daisy, from 2½-in., all at the low price of $1.50 per 100. Strong Started Cannas, 1½c. each. Pansies and Daisies all sold.

Cash prices.

E. FRYER, Johnstown, Pa.

Please mention the Exchange when writing.

DRACAENA Indivisa 4-in., $10.00 per 100.
CANNAS. Pennsylvania, $1.50; A. Bouvier, $1.50; Austria, $1.25; Italia, $1.75; B. Beauty, $2.50; Egandale, $1.50; Marlborough, $2.00; America, $1.25; D. Harum, $2.00 per 100.
HYDRANGEA Paniculata grandiflora, 2 to 3 ft., $10.00; 18 in. to 24 in., $6.00 per 100.
PRIMULA Obconica, 2-in., $1.50 per 100; 3-in., $4.00 per 100; 4-in., $6.00 per 100.
GERANIUM, Ricard, 2-in., $2.00 per 100.
FICUS Elastica, 5-in., $30.00 per 100.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100. Plumosus, 2-in., $2.00 per 100.
ENGLISH IVY, R. C., 75c. per 100; var. R. C., 75c. per 100.
ENGLISH IVY, 2 in., $2.00 per 100.
FERNS, Scottii, 2½-in., $5.00 per 100; 3-in., $10.00 per 100; 4-in., $15.00 per 100; 5-in., $30.00 per 100; 6-in., $35.00 per 100.
FERNS, Boston, 2-in., $5.00 per 100; 4-in., $15.00 per 100.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00.

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

PALMS, FERNS *and* Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

Please mention the Exchange when writing.

New Orleans

At the recent formal opening of a high-class drug store Chas. Ehle used, for decorations, almost exclusively Phœnix Roebelenii. The effect was one of great grace and beauty. He also supplied the Carnations which were given the ladies as souvenir.

Abele Bros. of Joseph and Laurel sts., who do a large shipping trade and carry an immense stock of almost anything one might ask for in the plant line, have all their stock in a condition that does credit to them.

Herman Doescher of Gentilly road, has taken a partner, the firm name being Doescher & Jones.

James A. Newsham has been busy, both receiving fresh importations of Orchids and packing to fill large orders recently received. Among the Orchids in bloom recently were an especially pretty Epidendrum purpurea Lionatum, and Oncidium graminifolium, with graceful spikes, some of them six feet long, also Cattleyas Mossiæ, Mendelii and Skinnerii.

On April 17 the members of the Horticultural Society and others will be the guests of A. Alost and family at Rose Villa, at the annual dinner tendered by Mr. Alost. CRESCENT CITY.

TEN POINTS OF EXCELLENCE OF THE

NEW SEEDLING BEGONIA "Glory of Cincinnati"

1.—It lasts longer in the dwelling than any other Begonia.
2.—It is a most beautiful shade of soft satiny-pink.
3.—The individual flowers are much larger than those of Gloire de Lorraine.
4.—Easily propagated.
5.—Easy of cultivation.
6.—Strong, robust grower.
7.—It can be grown in a 4-inch pot to look like a plant.
8.—It flowers from October to April.
9.—Not surpassed by any other Begonia.
10.—The best plant for the Christmas Trade.

$1.00 each, $9.00 per dozen, $50.00 per 100. July delivery. You cannot invest your money to better advantage.

J. A. PETERSON, McHenry Avenue, Westwood **Cincinnati, Ohio**

Please mention the Exchange when writing.

ORDER NOW For June Delivery

Begonia Gloire de Lorraine
2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen
2½-in., $5.00 per 100, $45.00 per 1000

Poinsettias
2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis
2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.
Scranton, Pa.

Please mention the Exchange when writing.

Why Delay Ordering Your Begonia Gloire de Lorraine?

You will soon want them sure. We are equipped better than ever to supply Excellent Stock: 2½-inch pots, twice transplanted, at $16.00 per 100, $140.00 per 1000.
CYCLAMEN, 3-inch pots, $7.00 per 100; 4-inch pots, $15.00 per 100.
POINSETTIAS, 2½-inch pots $5.00 per 100; $45.00 per 1000.
Write us for Catalog.

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

St. Louis

There will be a grand wild flower show given at Arcadia, Mo., on May 24 and 25, by the Woman's Missouri Development Association, assisted by the Missouri Immigration Commission. There will be a number of prizes offered; Mrs. Herbert S. Hadley, wife of the Governor of the State, is at the head of the award committee. The show is expected to be the largest held in the State.

Henry Ostertag says the large arena of the Coliseum will use up a carload of wild Smilax for decorations for the Metropolitan Opera season which opens there April 25. Henry says he expects to be one of the successful candidates in a voting contest of a daily paper to send ten of the most popular men in the city to see the Jeffries-Johnson prize fight in July at California.

The lady florists held a meeting of their circle on Monday, April 11, in Trimp's Hall. The meeting was not so well attended as usual. Miss B. Meinhardt entertained the ladies with a reading on Violets. The death of Mrs. Vesey of Fort Wayne was a great shock to the members and a letter of sympathy was sent the bereaved family.

At the commission houses of Kuehn, Smith, Berning and Angermueller consignments the last week were heavy, especially in Roses and Carnations. Long, fancy American Beauty were in plenty, but small demand prevailed; in fact, everything was slow and a great deal of stock was dumped.

Billy Murphy, sporting editor of the Star, is booming the florist business by advertising that all should wear a green Carnation on Thursday, April 21, in honor of Jack O'Conner, the new manager of the American League Baseball team and more may be sold than on St. Patrick's Day.

The St. Louis Horticultural Society has sent out the preliminary list for its Fall Flower Show to be held in the big Coliseum, Nov. 8 to 12. ST. PATRICK.

WE are entirely sold out in all the stock we have been advertising. Your paper certainly is a hustler.

Address of this advertiser on application.

Minneapolis

Exhibitors at the flower show to be given in the Armory next November, under the auspices of the State Florists' Association, will have $4,000 in premiums to contest for. This was announced at a meeting of the Minneapolis florists in the rooms of the Commercial Club. The guarantee fund has been subscribed up to $15,000. J. S. Mitchell is chairman of the financial committee. W. G. Nye is put in charge of press work. The managing committee consists of Theodore Wirth, E. Nagel, Charles Vasatka, H. Rasaker, William Desmond, J. P. Jorganson, John Monson, O. C. Swanson, R. H. Latham, C. F. Higart and Hugh Will.

Books Every Florist Should Have

BULBS AND TUBEROUS ROOTED PLANTS.—C. L. Allen. $1.50.

THE GARDENER'S ASSISTANT.—New. Two large volumes. The most complete encyclopedia of gardening published. Includes fruit culture. Prospectus. Price, $15.00.

THE AMERICAN CARNATION—C. W. Ward. Price $3.50. Prospectus.

THE CHRYSANTHEMUM.—A. Herrington. Price 50c.

ARNOLD'S TELEGRAPH CODE FOR FLORISTS.—$2.50.

DESIGN BOOK, THE FLORISTS' EXCHANGE.—Sold to subscribers only. Send for particulars.

FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $2.40. Reviewed Feb. 19, 1910.

THE HEATHER: In Lore, Lyric and Lay.—By the late Alexander Wallace, $1.00. Prospectus.

PLANT CULTURE.—George W. Oliver. Price $1.50; F. E. two years and Plant Culture, $3.00. Prospectus.

PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 27, 1909.

THE ROSE.—H. B. Ellwanger. Price $1.25.

SUCCESS IN MARKET GARDENING.—Herbert Rawson. Price, postpaid, $1.20. Reviewed, April 23, 1910.

SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 60c. Prospectus.

SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.

VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.60. Prospectus.

WATER GARDENING, THE BOOK OF.—Peter Bisset. Prospectus. $2.60.

GOLDFISH, THE, AND ITS CULTURE.—Hugo Mulertt. Price, $2.00. New edition. Prospectus.

The review notices or prospectuses of the books mentioned will be mailed to any subscriber on application.

Prices quoted include prepaid delivery.

Address orders to

The Florists' Exchange No. 2 Duane St. New York

Cincinnati

There is very little improvement in business to report over that of last week. Plenty of stock is coming in; Carnations and Am. Beauty Roses are selling, but the greater part of the other Tea Roses are going to the hospitals or into the ash barrel. If there was any demand to speak of we would not have any more flowers than could be disposed of, but the demand seems to have fallen off quite considerably.

A letter from Dr. Howald of the Atlanta Floral Co., states that he has sold his place, but that it would still be run under the name of the Atlanta Floral Co., as before.

Present indications (April 18) are that we are in for a cold snap; it is raining and turning cold, and snowing in the northern part of the State. A freeze now would do immense damage as the trees are out in full bloom.

Fred. Gear and wife are in New Orleans having gone down with the Shriners. E. G. GILLETT.

Detroit

Nothing startling in the business line is the principal characteristic of the past week.

The last Florists' Club meeting was interesting because, being devoted to questions and answers, it developed some instructive discussions.

"What are we going to do for help if the automobile people keep on hiring ours for more money than we can afford to pay?" The consensus of opinion was that we do not pay enough attention to the training of young boys. As the writer says, none of us work in this business for the money alone, because we could earn better salaries in occupations demanding less time per day than the florist's business. But, having through an early training acquired a certain love and enthusiasm, we have that interest which brings about results, and is not measured by the narrow scale of dollars and cents.

Pres. Plumb, in relating his experience in that line said that years ago, as superintendent of our public parks, he proposed to engage six boys and to give them a two-years' training, but the law forbids the hiring of help by the city unless they are citizens and voters.

Mr. Knope pointedly remarked that the existing low pay is the cause of wholesale desertions from our ranks. As he wisely put it, everything pertaining to the erection and maintenance of a greenhouse plant has been advanced except the wages.

Mr. Dilger dwelt at length on the fact that every florist ought to have one or more apprentices, and encourage these boys to learn the trade thoroughly. He was satisfied that the system should be inaugurated at once, and said that if it had been done when he first spoke about it, ten years ago, today's scarcity of skilled help would not exist.

FRANK DANZER.

New Bedford, Mass.

The cut flower trade has been good the past week. Flowers are plentiful with a good demand for same. Funeral work has been extra good. Carnations are retailing at 50c. per doz.; good Roses at $1.50. Violets are done and most of the growers have finished splitting up their plants for another season's stock. Sweet Peas sell at $1 per 100. Callas and Lilies, $2 per doz. Snapdragon, in the lighter shades, sell well at $1 per doz. Bulb stock is getting rather scarce. Paperwhites are nearly done, as also are Tulips; these retail at 50c. per doz. Daffodils, 50c. per doz. Tulips and Daffys are now in bloom out of doors.

Gardening work is in full swing, and the florists are busy with big gangs of men at work in this branch. There is a good call for trees, shrubs, etc.

Ten Week Stocks for Memorial Day are coming along nicely now. We are having warm weather and some of us have stopped firing.

The N. B. Hort. Society will give a general flower show Sept. 15 to 17. Great interest is being taken here in the home gardening contest, which has been started among the school children; present indications are that from 500 to 1000 children will enter the contest, and from many come enthusiastic reports of what they hope to accomplish in the way of beautifying their home surroundings. Nearly $100 has been collected for prizes, bulbs, shrubs, tools, etc.

HORTICO.

ROSES Planted Now And Grown On

Will make the best stock for forcing next season.

If you have the ground or a good "open lot" be wise and "line out" a few good forcing roses. Don't delay, but do it now. You send the order, we will do the rest.

Our stock of the following varieties is in excellent dormant condition, stocky and well-grown and ready to start, when you are.

Order today and don't delay.

Remember you may deduct 5% if cash accompanies the order.

Hardy Hybrid Roses

We offer **extra-strong forcing** two-year-old dormant, low-budded stock, in the following varieties, **true to name:**

Price, 75c. for 5 (of one variety), $12.00 per 100, $110.00 per 1,000

Abel Carriere. Crimson.
Alfred Colomb. Carmine-crimson.
Anna de Diesbach. Bright carmine.
Ball of Snow (Boule de Neige). Pure white.
Baron de Bonstetten. Blackish crimson.
Baroness Rothschild. Satiny pink.
Clio. Satin blush.
Duke of Connaught. Rosy crimson.
Frau Karl Druschki. The finest white.
Gloire de Margottin. Dazzling red.
Gen. Jacqueminot. Brilliant crimson.
John Hopper. Bright rose.
La France. Pink.
Marshall P. Wilder. Cherry-rose.
Magna Charta. Dark pink.
Mme. Gabriel Luizet. Satiny pink.
Paul Neyron. Dark pink.
Perle des Blanches. White.
Persian Yellow. Yellow.
Prince Camille de Rohan. Dark crimson.
Ulrich Brunner. Cherry-red.

For prices see above, or our selection, including Frau Karl Druschki, $10.00 per 100, $90.00 per 1000.

Frau Karl Druschki

Hybrid Teas

American Beauty. Carmine, $1.50 per 12, $12.00 per 100.
Queen of Spain. Pink. $2.50 per 12, $20.00 per 100.
Etoile de France. Red. $2.00 per 12, $15.00 per 100.
Liberty. Red. $2.50 per 12, $20.00 per 100.
Perle des Jardins. Yellow. $2.50 per 12, $20.00 per 100.
Lady Faire. Rose. $4.00 per 12, $30.00 per 100.
Dorothy Roberts. Pink. $4.00 per 12, $30.00 per 100.

Baby Rambler Roses

BABY DOROTHY. The same in habit as Baby Rambler, but the color of the flowers is similar to Dorothy Perkins. It makes an excellent pot plant for forcing. Price for strong, field-grown plants, 85c. for 5, $16.00 per 100.

MRS. WM. H. CUTBUSH. Color intense crimson and exceptionally free-flowering. 85c. for 5, $15.00 per 100.

MME. NORBERT LEVAVASSEUR (Baby Rambler). Strong, field-grown plants. 85c. for 5, $15.00 per 100.

THE TREE BABY RAMBLER. (Grown as a Standard.) The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. 40c. each, $3.75 for 10, $35.00 per 100.

BABY DOROTHY. (Grown as a Standard.) For description, see above. 75c. each, $6.25 for 10, $60.00 per 100.

Something New in Roses for Florists
Half Standard Baby Ramblers

These are Baby Ramblers, grown on stems or standards about one and half feet high, and will be a novelty for your trade you cannot profitably overlook. They are offered for the first time in this country in the following varieties:

BABY DOROTHY (Half standard). Deep pink. 60c. each, $6.00 per doz., $45.00 per 100.

BABY RAMBLER (Half standard). Crimson. 45c. each, $4.50 per doz., $35.00 per 100.

BABY CATHERINE SEIMETH (Half standard). White. 45c. each, $4.50 per doz., $35.00 per 100.

BABY "STARS and STRIPES" (Half standard). White and red grafted on the same plant; most attractive. 50c. each, $5.00 per doz., $40.00 per 100.

Ramblers and Other Climbing Roses

CRIMSON RAMBLER. American Grown. The only stock for forcing. Large heavy plants, two years old, mossed and packed in bundles of 10, 3 to 4 feet, $1.25 for 10, $12.00 per 100; 4 to 5 feet, $1.75 for 10, $15.00 per 100;

DOROTHY PERKINS. Lovely shell-pink color. $1.25 for 10, $12.00 per 100.

TAUSENDSCHON. The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. $2.25 for 10, $20.00 per 100.

Flower of Fairfield — The Everblooming Crimson Rambler

This variety is a sport from the beautiful Crimson Rambler, is similar in color, more brilliant and lasting than the old favorite. It also possesses the further advantage over the Crimson Rambler in the fact that it flowers profusely on the young wood the first year. Flower of Fairfield is a vigorous grower and free bloomer. It starts to bloom early in the Spring and continues until late in the Autumn. It is rightly termed "perpetual blooming." 40c. each, $3.50 for 10, $30.00 per 100.

Veilchenblau (Violet-Blue)

It has long been the desire of rosarians to secure a blue Rose. In Veilchenblau we have practically approached this color. The steel-blue flowers of this new Rose appear in large clusters, are semi-double, of medium size and keep in bloom a long time. The showy yellow stamens contrasting with the blue flower, give the whole a striking appearance. 60c. each, $5.75 for 10, $55.00 per 100.

English Moss Roses

Large dormant plants, 75c. for 5, $15.00 per 100.
Old English. Red.
Blanche Moreau. White.
Gloire de Mosseaux. Pink.
Chapean de Napoleon. (Napoleon's Hat.) A beautiful crested pink.

ARTHUR T. BODDINGTON
Seedsman 342 West 14th St., NEW YORK CITY, N.Y.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

Exclusively a Trade Paper.

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Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

A correspondent of an English trade paper makes complaint of the stealing of a climbing Rose plant out of a 16-in. pot (there were a number packed together in one deep box) whilst in transit to him by freight. The root was taken clean out of the pot, leaving the shoots tied down as if nothing had happened. We rather think his particular remark as to railway employees would not apply here. He says: "It would interest me (and others) to know if any of your readers have ever suffered in this manner. I think it a good plan when sending out new varieties of plants to put, instead of the name, a number on the label. This would check dishonest railway servants, as it is well known they are keen horticulturists."

The Floricultural Greenhouses at Cornell

Wm. F. Kasting of Buffalo, who is working in his usual energetic get-there way in the endeavor to secure the passage by the N. Y. State Legislature of the Wilkie bill appropriating $50,000 for the erection of greenhouses and service buildings at Cornell College, for the purpose of experimental and teaching work in floriculture, requests us to urge on our readers the necessity of writing their State Senators and Assemblymen, telling these representatives just how valuable to the State the proposed institution would be and in every way demonstrating their interest in the Bill. If the florists of this State are apathetic in the matter there is danger the Bill may die in Committee on Ways and Means.

Home Gardening in Massachusetts

As evidence of the increasing interest in the home garden and yard improvement contest in New Bedford is the announcement that over 3000 penny packages of seeds have been ordered by seven schools. Present indications are that from 500 to 1000 children will enter the contest.

Stereopticon views of gardens, etc., have been exhibited at many of the schools in Salem and New Bedford and these tend greatly to awaken enthusiasm in the work.

The interest which the children have displayed in the contest far exceeds the expectations of the local committee. Already the committee has ordered 4000 entry blanks, and many additional demands are made for the seed envelopes. Up to the present time 4000 have been distributed.

The New Bedford committee has nearly $100 available for cash prizes, bulbs, shrubs, garden tools, etc. In Salem, a city half the size of New Bedford, nearly $200 was provided to be given out as prizes. The New Bedford Horticultural Society and The Standard, a local paper, are bearing all of the expenses of the lectures, printing the four-page newspaper and other necessary work.

Proposed N. Y. Plant and Flower Market

A special meeting of the N. Y. Florists' Club was held on Monday, April 18, at its rooms, Grand Opera House Building, 23d st. and Eighth ave. President A. L. Miller was in the chair, and there were present, beside the members, officers and members of the N. Y. and N. J. Assoc. of Plant Growers, the N. Y. and N. J. Market Florists' Assoc., members of other trade bodies, and many florists not members of any organization. The meeting was an open one and was called for the purpose of considering the question of establishing a plant and flower market under Queensboro Bridge, at First ave. and 59th st., under terms to be offered by the city of New York's Bureau of Markets, and to take action in the matter.

W. H. Siebrecht, Jr., secretary of the joint committees of the Club and the two associations mentioned, by invitation of the chairman, presented the report of the committee, verbally, as made at the last meeting of the Club, and which appeared in the last issue of the EXCHANGE. In the discussion which followed several of those present took part. Mr. Siebrecht answered many questions put to him, mostly covering details which would have to be considered after the market had been secured. As he explained, the principal object of the meeting was to take some definite action in the matter.

Further support of the project was not wanting. H. C. Steinhoff of West Hoboken spoke strongly in favor of the market. He stated he had been engaged in marketing plants for about 25 years in which time he had gained considerable experience. There was a market at Canal and West sts., it was true, but every year trouble was experienced in the matter of establishing the same for the season. The ground was hired from the city and tents erected, but no opportunity for a regular market such as was now proposed had ever been presented. He, with others, had visited the spot proposed for a market, and everyone agreed that it was an ideal one. He said he thought it was large enough to accomodate the entire trade, and the rents were very reasonable. He, too, was of opinion that the trade should not let such an opportunity slip past. The plant growers had been agitating for a long time for a market such as London, Paris and other cities had.

Mr. Moore, of Moore, Hentz & Nash, speaking from the standpoint of cut flower interests, said it was his understanding that the city rules required that the market should be a place where any one could buy, no matter how small the purchase. He asked the question whether it was to be a retail or wholesale market.

Mr. Siebrecht said nothing had been mentioned as to the rules for selling. It was simply to be a public market where merchants, he presumed, could refuse to sell in small quantities.

Others who took part in the discussion were Charles Lenker, A. M. Henshaw, John Donaldson, J. B. Nugent Jr., John Birnie, P. Einsmann and I. Eisenberg.

The consensus of opinion was that the question of selling could be easily arranged. It was not thought that the city would insist on sales being made at retail as well as wholesale, and the Gansevoort Market was quoted as a market where the business was strictly wholesale. It was thought that the various little matters of difference would, after the market was started, adjust themselves. The principal thing to do at present was to petition the city in accordance with the city's suggestion, so that action could be taken in the matter. Finally, on motion of Mr. Schrader, it was directed that a petition be signed and presented without delay. A short recess was taken during which a petition was handed around and signed by practically everyone interested.

Walter F. Sheridan, who was asked to speak on the subject from a wholesale florist's standpoint, detailed the position in which most of the wholesalers of cut flowers found themselves at present, principally in the matter of having leases running, in many cases for several years, which would make it difficult to consider any plan for immediate change. As to the selling question, he thought it would be certainly unfair to cut into the retail trade. The New York trade, he said, had been waiting for such an opportunity as now presented and the plant growers had a good chance to show what they could do.

A. M. Henshaw thought that if all the wholesalers could be quartered together in such a market it would be good for the trade. The matter of selling, he thought, would adjust itself. Most of the 28th st. wholesalers were just now in a precarious position as far as quarters were concerned. If all were together in a market, expenses would be cut down and, perhaps, later growers' stocks would get the benefit of that condition. In the cut flower line there were many more things to be considered than would be the case with the plantsmen.

As to the manner in which the petition and further action upon the same should be handled, many suggestions were made. In regard to expenses, it was, on motion, arranged that the different associations should bear the same, pro rata. A motion by W. H. Siebrecht, Jr., that each commercial body or association should be represented by committees of five to act with the three joint committees already at work, all the committees to meet together within a few days, and to report back to their respective bodies, was carried.

The photograph here reproduced shows the proposed market quarters beneath the Queensboro Bridge, looking through to 59th st. The floor space is 170 by 275 ft., and the height to the tiled ceiling 40 to 60 ft. The floor is cemented and the columns tiled. The city is willing to close the openings with glass, and erect one or more tiers or floors for office or other purposes. The sidewalk on the 59th st. side is 65 ft. wide, and a space beyond the market quarter, of about the same area, was available for wagons or even extension of the market if required.

Books Received

SUCCESS IN MARKET GARDENING. Doubleday, Page & Co., New York. Price, postpaid, $1.20.

This very successful book, first written by W. W. Rawson of Boston, and now revised and enlarged by his son, Herbert Rawson, has just been published. The new

Site of Proposed Plant and Flower Market for New York

The location is at 59th St. and First Ave., under the piers of the Queensboro Bridge, Manhattan. The city will enclose the openings with glass.

book brings the practice of market gardening up to date. W. W. Rawson & Co. have employed the largest capital and marketed the largest annual product in New England for years, and on account of the standing of this firm and the successes it has met with in its particular line, this volume, by one of its members, is entitled to the consideration of all.

The late W. W. Rawson, in 1907, a year before his death, appreciated the fact that any further editions would require to be thoroughly revised, and had actually started rewriting the book. Death overtook him before he had spent much time on the new volume beyond making a number of miscellaneous notes and amendments.

The contents of the new edition embrace practically all the information which may be required by market gardeners and those who have already had some experience in the line. The book is not intended primarily for amateurs or beginners, and the reasonable man will estimate its worth by what it contains, not criticising it for the absence of matters which lie beyond its scope and purpose.

We unhesitatingly recommend "Success in Market Gardening" as the best work on the subject of which we have knowledge. It is comprehensive in every respect, even to dwelling on the implements, ordinary and special, required by the market gardener. Further methods and Appliances, Insects and Preventives, Fumigation, Fungi and Plant Diseases, Preventives, Drainage, Irrigation, Rotation, Manures and Fertilizers, Application of Manures, Selection of Seeds, Construction and Operation of Hot Beds, and many other important preliminaries, are all taken care of, followed by chapters with cultural directions for raising the various kinds of vegetables.

The book commends itself for its legible type and its conciseness. It contains some 271 pages, fairly well illustrated, and is bound in cloth. Copies can be obtained through this office.

Parcel Post Hearings

Florists and seedsmen whose business would be benefited through the operation of a Parcel Post should bear in mind that the hearings commence on Monday next, April 25, before the U. S. House Postal Committee, at the Capitol, Washington, D. C. For fuller particulars see the EXCHANGE of April 16, page 700.

Thousands of our readers are interested in this vital business proposition, and all such should write at once to the chairman of that committee, Hon. John W. Weeks, giving specific instances and figures if possible, in support of their contention for the establishment of a Parcel Post.

Pink Flowering Magnolia Stellata

Editor The Florists' Exchange:

Noting in your issue of April 16 (page 701), that Samuel C. Moon has found a pink-flowering Magnolia stellata would say that my father, the late Patrick H. Lawlor, found a sport of Magnolia stellata that had a fine pink color a shade or two lighter than the Dorothy Perkins Rose, which he named M. stellata rosea. We have a plant of this variety in Flushing which is one of the original twelve grafts taken from said sport. It is now seven feet high, has a spread of seven feet, and is eight years old from graft. It was a perfect mass of bloom this Spring. THEO. P. LAWLOR.

Flushing, N. Y., April 18, 1910.

Scotch Broom—Plant Food Capsules

Editor The Florists' Exchange:

Mr. Meehan is slightly mistaken in saying that I used ashes for covering the stump of the Erythrina Crista galli in Winter. Perhaps the ashes, if coal ashes, might answer, but, in fact, I used a better material—sawdust. This keeps out cold far better than ashes would.

At the Botanic Garden in Washington there has long been a plant of this Erythrina, in a coldframe by the side of one of the propagating houses. When the frame is empty and the sashes removed in Spring the Erythrina shoots up and blooms finely till cut down again in the Fall.

Now, Mr. Meehan advises the planting of the Scotch Broom. It would not do for him to give that advice to the people along the line of the Chesapeake & Ohio Railroad, from Charlottesville, Va. to some distance south of Richmond, for in many places there it has taken possession of the fields, and is crowding along the railroad banks. The people say that it was introduced by Thomas Jefferson at Monticello, near Charlottesville, and has spread from there. It is certainly pretty when in bloom, and is pretty at any time if it was not so aggressive. In the section I have mentioned it is almost as plentiful as the Saw Palmettos in the piney woods of Florida.

Anyone who chances to see Forsythia suspensa in bloom at the Botanic Gardens in Washington cannot help admitting that it is prettier than viridissima.

I am gardening nowadays solely for fun, and I get a great deal out of it. Just now I have hundreds of seedling Dahlias in my frames and am looking for fun in watching what they will turn out, for the seed came to me from various sources and was claimed to be the finest in the country of all the various types of this flower. It is so easy to grow seedling Dahlias, and only one season is needed to test their character, for we get the flowers about as quickly from the seed as from roots.

I shall grow a good many seedling Cannas too. Of course, most people think that the Canna has been brought to its grentest perfection and new ones are not needed, but now and then a real improvement is found, such as the King Humbert, which represents, to my notion, the highest attainment as yet in Cannas.

And now they are giving plants capsules! Can we not get all the plant food needed in the various carriers of nitrogen, phosphoric acid and potash? If these capsules are plant food they are made of these elementary materials in some form, and the fact that they are capsules and to be inserted in holes in the soil does not make the contents of the capsule anything but some combination of nitrogen, potassium and phosphorus; and while we can get these cheaply by the ton I cannot see the need for the capsules. Then the idea that anything applied to the roots of a tree will remove the scale insects is pure nonsense, and the man with scales on his trees who depends on the capsules to destroy them, and fails to spray, will lose his trees. In short, if my trees need feeding I will get the food materials and mix them and apply them, and if the scale attacks my trees I know that I can boil lime and sulphur, spray them and kill the scale, but anything applied to the roots will never kill them.

Salisbury, Md. W. F. MASSEY.

Rust Joints

Rust joints seem almost to be peculiar to greenhouse heating. Many florists and gardeners know how to make these very tight and lasting joints, but very few plumbers or steam fitters seem to understand just how they are made. A vast majority of greenhouses are heated by hot water, and of these nearly all private installations are constructed of 3½-in. cast iron pipe, quite commonly called 4 in. greenhouse pipe, the outside diameter being 4 in. This pipe is almost always made up by means of rust joints.

No tighter or better joint than the rust joint is possible. When made properly it will never leak, and when it does leak, because not properly made, it is not difficult of repair.

The joint, being of the same material (cast iron) as the pipe, is subject to the same degree of expansion and contraction, but the best feature of this joint is its general utility. This joint can be made by any person who can handle a hammer, a caulking tool and a cold chisel. The work requires no more expensive and no more difficult tools than these, and it also requires very little time to make. The labor is not heavy compared with that of cutting even smaller sizes of wrought iron pipe with modern tools, or that of turning up joints of wrought iron pipe.

Cast iron pipe will outlast the very best wrought iron pipe. It resists corrosion much better than wrought iron pipe.

Coil fittings, headers automatic and non-automatic, are now made with hubs to receive 2-in. wrought iron pipe, and 2-in. pipe is now quite as frequently caulked into the header fittings as it is screw-jointed into the same. Thus, right and left hand and union joints are done away with. The work is simplified and cheapened both because it requires less time to perform and because it requires fewer tools.

A florist with a cast iron pipe heating plant needs only an extra length of cast iron pipe, a couple of sleeves, a few pounds of iron borings, a hammer, caulking irons and cold chisels, and he feels competent to meet almost any leak.

The man with a wrought iron pipe system must carry an assortment of large and expensive tools or have easy access to a pipe fitter's establishment.

Directions for Making Rust Joints in Greenhouse Piping

Place four or five strands of rope around in the space between spigot and hub of pipe and caulk in solidly. Moisten the borings slightly so that when squeezed in the hand they will cake, then put in a layer of the moistened borings on top of the rope and caulk in solidly, then another layer of borings and caulk in, and so continue the process until the space is filled up. To insure a tight joint both rope and borings must be hammered in as tightly as possible.

Do not use salamoniac or salt. F. E.

Obituary

Henry G. McPike

Henry G. McPike, the noted horticulturist, died at his home in Alton, Ill., April 18. He was born July 6, 1825, at Lawrenceville, Ind., and was known as the "Illinois Burbank" when he gained fame in horticultural circles after originating the now well-known "McPike Grape." He was twice mayor of the city and was a great lover of flowers. The funeral took place Wednesday, April 20, and the burial was in a grove of fruit trees planted and cultivated by his own hands. This was his last wish. ST. PATRICK.

William Penn Watson

William Penn Watson, prominent among the Pacific Coast horticulturists, died at his home in Long Beach, Cal., April 14. He was the first to introduce the growing of fruit in the now rich Hood River Valley in Oregon, and he was among the first to grow Dates in the Coachella Valley, California. By results obtained from dry farming he induced many to believe in the merits of extensive cultivation without water. It was his claim that to water land was eventually to ruin it. He was a native of Morgan County, Illinois.

John Murray

John Murray died at his home at Pawtucket, R. I., April 10, in the seventy-fifth year of his age.

Mr. Murray was a gardener of the old school, of great ability, and a thorough horticulturist. Thirty-three years ago he was one of the best known gardeners about Boston, Mass, and had been head gardener to some of the large private places about Wellesley, Mass. His last connection was with the Conant Estate at Pawtucket, R. I., of which he had charge for twelve years, and until his retirement from active work.

A large delegation of old-time florists from Providence and points in Massachusetts attended the funeral on April 12. G. A. J.

Hermann Wild

Hermann Wild, for forty-two years a resident of Sarcoxie, Mo., died at his residence, in that city on Sunday, April 10, of old age.

Born in Rosswein, Saxony, December 24, 1824, he left his native country at the age of 20, and came to New York, whence he went to Milwaukee, Wis., and in 1848 was married to Miss Maria Haase, who survives him. One of the early settlers at Sarcoxie, he purchased a tract of land and commenced farming, later establishing a florist business. He was a man of kindly nature and benevolent disposition. Recently he and his wife presented the city with land for a park.

Beside the widow, one brother and six children survive him. He was a member of the Odd Fellows order for forty years, and the remains were laid to rest with Odd Fellow honors.

Catherine Powers

Catherine Powers, widow of the late Michael J. Lynch, died at her home on the South Road recently, after a very brief illness. Mrs. Lynch had not needed the care of a physician in twenty years, but a week before her death she took a heavy cold and pneumonia developed. Heart trouble and complications followed and death resulted.

The deceased was the daughter of John and Mary (Murphy) Powers, of Rhineheck, natives of County Wexford, Ireland. She married Mr. Lynch about forty years ago and they located on the South Road where she passed away. Mr. Lynch was one of the best known florists in the State and on his death Mrs. Lynch and her sons continued the business with great success. She is survived by three sons, Thomas M., John M. and James E., and two daughters, Mary T. and Catherine E., the latter attending school at New Rochelle.

In Memoriam

The L. S. of A. F. has passed the following resolutions on the death of Mrs. W. J. Vesey:

WHEREAS, The Ladies' Society of American Florists has been called to mourn the loss of its beloved first president, Mrs. Wm. J. Vesey of Fort Wayne, Ind., and is desirous of expressing its sympathy, therefore be it

RESOLVED, That in the death of Mrs. Vesey, the Society has lost a member prized for her wisdom and advice. The Board of Directors will miss her executive ability in their session this coming Summer. To know her was to love her instantly. She has gone in her prime of life, and our hearts go out in sympathy to the husband and children. We grieve with them, and be it

FURTHER RESOLVED, That a copy of these resolutions be sent to the family, and also spread upon the minutes of the Society and published in the trade papers.

MRS. PETER FISHER, MRS. J. F. SIBSON,
MRS. J. C. VAUGHAN.

Greenhouse Construction and Heating

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By JOHN A. PAYNE

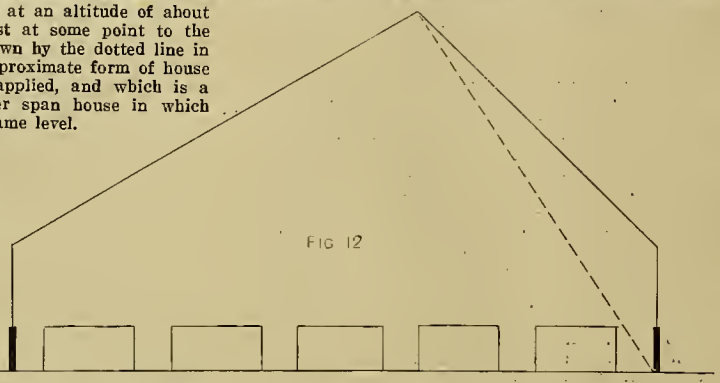
[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article III—Continued

Shadeless Ridge Houses

The term shadeless ridge does not signify that the ridge is made of any special kind of material, or of any particular size or shape, but rather indicates that it is so located that when the sun is at an altitude of about 60° the shadow of ridge is cast at some point to the north of the north bench, as shown by the dotted line in Fig. 12, which illustrates the approximate form of house to which this name has been applied, and which is a development of the three-quarter span house in which the beds are placed all on the same level.

This form of house is run east and west with the long side of the roof to the south. The north and south walls are made of equal height with same amount of glass below the eaves on both sides. Whilst this peculiarity of construction prevents the casting of the shadow of the ridge on the beds it has also the disadvantage of giving a higher altitude to the ridge than would be the case in an even span house of the same width and pitch, the result being that a house added later to the north would have to be kept a greater distance away than would be necessary in the case of an even span house, in order to avoid the shadow of ridge on the south bench of same. This height of ridge could only be obviated by reducing the pitch of the roof on the south side of the house, but as will be seen, when considering the proper pitch of the roof, the amount of light transmitted through the glass is considerably less when the pitch of the roof is much reduced.

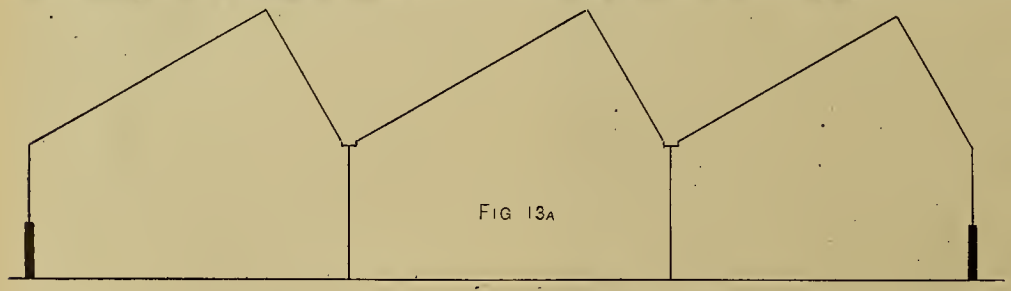


We have now covered practically every type of house in a level range, constructed separately, that is with a space between each house. The next form of structure to be considered is what is known as the

Ridge and Furrow Type

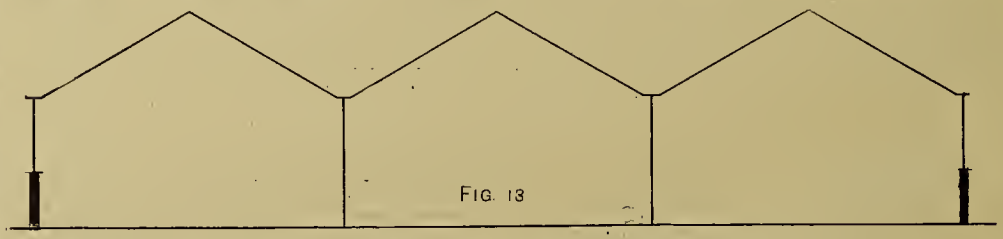
Fig. 13 shows what is generally known as short span ridge and furrow houses. These houses are usually constructed so that the distance from the eaves or gutter to the ridge does not exceed 8 ft., which makes a house approximately 14 ft. 6 in. wide from center to center of posts, with the roof having a pitch of about 7 in. to the foot, the exact width of the houses depending upon the width of the gutters used.

This style of house has been mostly confined to all-wood structures, that is houses provided with wood posts, eaves, sill, purlin, ridge and center gutter, the roof bars being of sufficient size and strength to span 8 ft. without the use of purlins or other supports between the gutter and the ridge; the more progressive manufacturers of this class of house are now, however, using iron posts, eaves, purlins and light iron gutters, which changes in material have added much to the value of the same as growing houses, and these improvements will, no doubt, be carried much further in the near future.



Houses of this character are frequently run north and south, but when so placed the results are better when wide glass is used, especially with low roof, but under certain conditions it is necessary to run the houses east and west when they are generally constructed as shown by Fig. 13A, in which case the long slope is placed facing the south, but the advantage obtained from such a construction is rather doubtful as the distance of the long slope from the gutter to the ridge is such as to necessitate a support midway in the form of a purlin supported by either a column or truss which, of course, adds to the amount of shadow. Another disadvantage of this form of construction over that shown in Fig. 13 arises from the fact that the ridge is higher and, therefore, when the sun is at its lowest point, the shadow of the ridge is cast on the next house to the north, whereas if the house was constructed with an even span, with the roof having a pitch of about 7 in., the shadow of the ridge would strike the gutter when the sun was at an altitude of about 30°.

The only advantage derived from a construction on the lines of Fig. 13A would be because of the additional height of the roof ventilating sash above the benches, and of the slightly increased cubical contents for the same height of gutter, but this advantage is so slight that we do not believe it compensates for the disadvantage of the increased shadow due to the height of ridge and the additional roof support necessary.

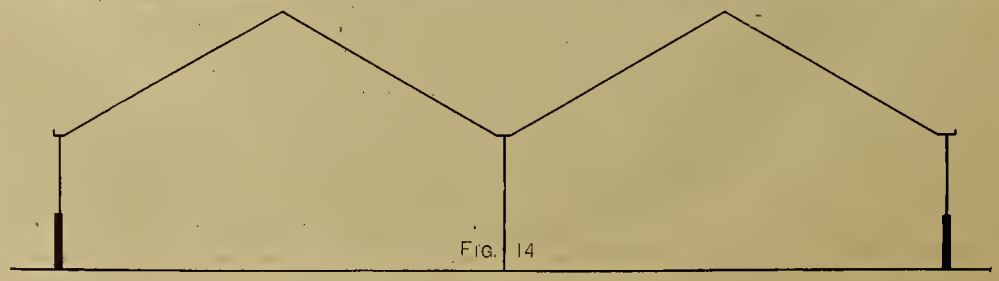


The ridge and furrow type of house has been more largely used in the West, where acres of ground have been covered with houses constructed in this form and, while excellent crops have been raised in houses of this type, they are generally used by the growers who aim at quantity rather than quality.

Fig. 14 shows the wide houses set in the form of ridge and furrow. These may be constructed any width desired and, by relieving the gutters between the houses of water, through pipes which support them about every 8 ft., the gutters may be made of small dimensions. Apart from the matter of center gutters the construction of these houses would be the same as for the separate even span houses of equal width.

The advantages claimed for this type over the short even span houses are that the ventilators are further away from the plants, with the same height of eaves, and also that the cubical contents is greater, therefore enabling the heating to be accomplished more economically; it is certainly an excellent form where it is desired to use every foot of ground.

(To be continued)



GREENHOUSE CONSTRUCTION and HEATING
INQUIRY DEPARTMENT

In Article 2 of Mr. John A. Payne's "Greenhouse Construction and Heating," I noticed a plan of a series of houses arranged on a steep grade. This plan shows ground plans only. I would like to see a plan of the gable ends arranged on a grade of 5 per cent.—such a plan as is represented in Fig. 5.—E. G. W., Mass.

—The plan shown in Fig. 5 is intended for a much steeper grade than 5 ft. to the 100 ft. It, of course, could be used on any grade, but when speaking of steep grade or side hill houses the term is generally understood as meaning a grade of about from 2 in. to 5 in. to the foot.

We will take up the consideration of the construction of the gable in side hill houses in a later article.

JNO. A. PAYNE.

I hope Mr. Payne will explain, for the benefit of those who do not thoroughly understand, the advantages of steam traps. I have about 12 to 15 in. fall in my returns, but sometimes it appears as though circulation is very slow. In what way does it improve the heating service and lessen the consumption of coal?—A. M., Ia.

—A properly designed gravity steam heating plant does not require a steam trap for the proper operation of same.

If there is sufficient distance between the water level of the boiler and steam main and coils to overcome the loss of pressure due to friction in circulation and condensation, and if the pipes are of proper size, and given the proper grade, there should be no difficulty in securing a good circulation in the plant.

If, however, the plant has been so poorly designed and installed as to impair the circulation, some form of mechanical device for returning the water of condensation would be of assistance. This mechanical device could either be in the form of a receiving tank and steam pump or a steam trap.

A steam pump is only practicable where steam pressure is carried at about 25 or 30 lbs., therefore, for a pure and simple low pressure heating plant, a return steam trap is the best device to use.

There are several makes of traps on the market any of which, if properly connected, will give good results. It is always well to have a trap considerably larger than the actual amount of surface the plant calls for, as when steam is first turned on the water of condensation is considerably more than when running under ordinary conditions. If the amount of heating surface in your plant, including mains, is equal to about 20,000 lineal feet of 1-in. pipe, you should have a trap capable of carrying at least 50 per cent. more than this.

We will consider the question of traps under the head of heating in the series now running.

JNO. A. PAYNE.

A Single Gardenia Plant
Grown at John Scott's, Brooklyn, N. Y.

Gardenia Culture

By Andrew Benson

Introduction

Success in growing Gardenias depends largely on the proper observation of many small things as well as on the variety and quality of the stock. There is only one variety which can be successfully grown and that is Gardenia Veitchii. Many florists have for years been trying to grow Gardenias without knowledge, as to the right variety for forcing; others have been growing Gardenia Florida (Cape Jessamine), a variety which makes an especially fine growth, but very seldom produces flowers. Gardenia Florida flowers very freely in May and June, but cannot, with success, be forced.

Gardenia Veitchii is the one variety for Midwinter forcing and can be made to flower at almost any time from September to May; therefore, any florist who grows, or intends to grow Gardenias, should obtain healthy stock of that variety. If such cannot be secured better leave Gardenias alone, as they would not prove a paying investment.

Any attempt to convert Gardenias into a tractable subject for Winter forcing through recourse to ordinary methods must result in absolute failure.

Cultural conditions and treatment of mostly any other plant does not exactly meet the requirements of the Gardenia and, where special provision has not been made for its culture, attempts to grow it have brought very discouraging results.

It must not be thought that the culture of the Gardenia is exceedingly difficult or beyond the mastery of the grower. This is not the case, but the man who puts one or more houses into the growing of Gardenias must absolutely know a little of the requirements of the plant and should think twice before acting.

Heat, light, moisture and soil are the big four Gardenia requirements and the grower must be able to control three of them, viz.: heat, moisture and soil.

If you grow Gardenias, or intend to grow them, do not exactly know their treatment and have to let one of your men be in charge, watch him for a while. Watch him closely; find out if he has the right idea and understanding. If he has, then "leave him alone." Do not bother him with stories about how other growers do, but rather give him a day or two off so he can go around and find out for himself. It will pay both employer and employee.

The House

Specially built houses are not required for Gardenias, but small houses are preferable. My opinion is that the width of the Gardenia house should never be more than 25 feet. As to the length of the house, I would say that this makes no difference, providing the heating be economically arranged.

As mentioned before, light is a great factor in plant growth and is a necessity for Gardenias. While the florist cannot increase or decrease the actual hours of sunshine, he can, by properly planning his houses, afford his plants the maximum benefit of the light provided by nature.

The heating system should be so arranged as to maintain a temperature not far below 68° in zero weather. The pipes should be run underneath the benches, and equally distributed, so that every bench will get some benefit from the bottom heat; the pipes to be placed eight to ten inches from the bottom of the bench and as near as possible in the middle thereof. By placing the pipes under the center of the bench, it is possible to keep the soil around the middle or two middle rows of Gardenias sweet, then the outside rows nearer the edge will look after themselves.

The width of the bench should be 42 to 48 inches. Narrow benches are easier to control. Make them five inches high and use 5-inch boards for the bottom. Leave a space fully an inch between each board, as you cannot give the Gardenias too much drainage; too little drainage has mainly been the cause of Gardenias turning yellow and dropping buds.

Soil

In most cases the question of soil is not decided by the grower. Where the Gardenia grows in its native state, it is in a light, sandy soil so, very naturally, to plant Gardenias in stiff, heavy soil would be as unnatural as planting Roses in leaf mould.

Gardenias want a light, sandy and very rich soil. Do not use any clay at all, as clay holds too much water, keeps the soil cold, close and stiff, thereby causing club-root, but use a soil through which water runs very freely, a soil that heat will penetrate. If your soil is not right, improve it; if it appears too heavy, add sand; if not sufficiently fibrous and porous, add leaf mould—under any circumstances do not use too heavy a soil.

Good cow manure is the best fertilizer. Let it be in a fairly fresh condition and use plenty of it. Make your compost, say, one part manure and two parts soil.

Propagating

There are no two florists who hold the same ideas regarding Gardenia propagation. My experience has taught me to start the propagating in September and October. So doing, one is able to have big, strong plants to bench out the early part of May. In order to secure good healthy cuttings, select the very best and biggest leaved plants you can find for your stock plants. A good policy is to watch the growing and action of the plants during the Summer and at that time label those which show a vigorous and healthy growth, taking the cuttings from these.

Always aim to improve your stock. Do not use any yellowish or bottom shoots, as a poor, small-leaved yellow cutting never makes a good flower-bearing plant.

Use a good, clean, sharp sand for your propagating bench and insert over a bottom heat of about 80° to 85°. Shade and keep close, spraying daily. From 20 to 25 days should be sufficient time to root the cuttings and the young plants may then be potted into 2¼-in. pots. Give a few days of nursing after potting, keeping the atmosphere around them a little close and lightly shade, if days are bright; after this the plants will be able to take care of themselves in an ordinary Gardenia house.

About six weeks in 2¼-in. pots will be long enough for the plants to become well rooted and ready for a shift to a size larger pot; even if they get a little hard in the pot it will do them no harm. However, do not let them get pot-bound and starved or they will receive a check from which it will take them weeks to recover. Use a light, porous soil for the young plants and by degrees mix in some well rotted cow manure with it.

Planting

The space to give Gardenias depends entirely on the size of the plants. I should advise three rows of 4-in. plants in a 4-ft. bench, with 20 in. between the plants; in a 42-in. bench three rows and 24 in. between the plants. Always allow Gardenias plenty of room.

If possible, the planting should be done in the early part of May. Any yellowish or feeble plants should be rejected for bench culture. If the bench has been built, as advised, with plenty of drainage, plant the Gardenias in 4½ in. of soil, allowing some space for top dressing later on.

Great care should be taken not to place the roots any deeper than barely below the surface of the soil.

If new houses are being erected, be sure that everything is in the best possible condition before filling them. Very often the benches are slapped up hurriedly in order to get the plants in and started. One had better let the plants grow along in pots for another week than to slight the construction in any way.

Cultural Directions

The best Gardenias are not grown through any secret process, but rather by the most careful attention to the little details necessary to their needs. In the exercise of care and in the use of sound judgment lies the road to success.

When the plants are set and have begun to grow, the owner feels a sense of relief, yet it is just at this time that the most vigilant attention is demanded. Great care is now needed in the use of water and in giving air.

Gardenias will stand plenty of air during the Summer months, keeping the ventilators open fairly well on warm nights. Ventilating in Fall requires considerable judgment, the amount of air at night being regulated in connection with the use of artificial heat.

I strongly advocate starting the boilers early so you can keep an inch of air on, thus avoiding the condensation that will surely collect on the foliage and often causing the buds to drop.

The water should be given around the plants only, and not all over the bench, for the longer the soil can be kept on the dry side between the plants the better rooting system they will have.

Plants always saturated with water may do well apparently during the Summer months, and be a riot of green leaves and shoots, but when the short days and cold nights of September come then such plants will be soft and will fall a prey to club-root or turn yellow.

When the plants have been set out about three months, give them a top-dressing. This is to be of the same compost as used in the filling of the benches. Top-dress every now and then when they need it; I should say a half inch at a time would be nearly right.

Keep the plants sprayed regularly; dampen down the walks before leaving the house for the night. Never

A Gardenia House at John Scott's, Brooklyn, N. Y.
The plants are grown in pots; these are plunged into the benches and covered with moss.

allow the moisture to slack or else the foliage will get spoiled and the buds will get dry and not develop into flowers.

Avoid manure water.

Gardenias should commence to flower in the first part of October, so do not pinch any buds off after the first of August. However, do not let them all flower at the same time. It takes seven to eight weeks for the buds to mature.

Keep the plants well tied up.

Insects

Insects should be destroyed as soon as detected—do not wait until the plants are covered. Every effort should be made to keep the plants clean. Mealy bug and greenfly are the Gardenia's worst enemies. Of the two the mealy bug is the harder to kill. It can be most successfully fought and conquered by not allowing it to get ahead of you. Mealy bug can be kept down by using a good pressure from the hose and syringing carefully. Toward Fall, when the days become shorter, it would be beneficial to once a week spray the Gardenias with some mealy bug insecticide. There are several such advertised in the columns of this paper which are effective for that purpose.

Greenfly can be kept down by frequent fumigations, but I would not advocate tobacco stems for the purpose.

Snails will, at times, in the Winter months and toward Spring, be a pest to the Gardenia. Keep a sharp lookout for them as they can in a night's work spoil several dollars' worth of flowers.

Conclusion

The florist who is anxious to keep abreast of the times and who is quick to note the growing tendency of the people for more variety—something out of the ordinary—is constantly asking himself the question, "Shall I grow Gardenias and encourage my customers to buy them? Or shall I leave the Gardenia question alone and buy those I may have call for from a firm making them a specialty?"

It is the opinion of the writer that the main reason why Gardenias are barred from many an establishment lies in the fear of failure, and not because the owners do not desire to have the prestige and profit a well-grown Gardenia house would bring them.

If as much attention was paid to the Gardenia and its requirements as is paid to Roses, Carnations, etc., it would be an easy matter to have them produce flowers whenever they were wanted.

Commonsense and sound judgment, coupled with a little knowledge of the conditions under which the plants grow in their natural state is nearly the complete guide for the would-be successful Gardenia grower.

As a rule, the smaller grower is more successful with this plant than the florist with a large amount of glass. It stands to reason: the smaller grower has to be successful, he cannot afford to lose, and so he puts all the powers of his knowledge and energy to work. Whereas, the big grower does not have to depend upon his Gardenias entirely, but has his Roses, Carnations and other standbys to help him make both ends meet; he may neglect the Gardenias, not giving them the attention they should have. Often he takes a notion to grow them and will rush his work, does it half way, tries different schemes, and, when the year is over, finds his bank roll decreased.

I may mention the fact that I have grown Gardenias for five years and that I have met defeat once, but through this defeat much knowledge was gained. I found the cause.

The Gardenia is growing in popularity and is fast forcing its way as a leader among the flowers of today.

Stray Notes from Abroad

BY T. A. WESTON

According to the dictionary, the term "stray," means to wander or ramble. Although I endeavor to stick to the path of virtue, I fear that I myself have a tendency to ramble and, with the inherent tendency of the scribbler, am not content unless my pen accompanies me. The old adage has it that a rolling stone gathers no moss, but since circumstances have brought me Londonways again, I shall endeavor to disprove the saying, when applied to the party who is newsgathering. At the same time it must be understood that when I substitute the word "news," for "moss," I do not intend to serve out moss-grown news. After this preamble let me get down to business.

Lady Hillingdon, the New Rose

My esteemed confrère, J. Harrison Dick, recently referred to the new Rose Lady Hillingdon, but his praise was far from sufficient; it is bound to make good both as an outdoor sort and as a forcer. So far the public have only seen it as a forcer, but as it has now been up before the R. H. S. for three successive meetings we have had an opportunity of judging its value. I have no hesitation in saying it will prove as valuable to growers as White Killarney. The parentage of Lady Hillingdon is Papa Gontier and Madame Hoste, but its extraordinary color is right away from either.

As shown on April 5, the flowers were brighter than those exhibited previously, the color being a rich old gold, for all the world like deep creamy butter. In the bud, it has the form of Killarney, long and pointed, possessing all the characteristics of a pure Tea. The color is self throughout, and I am assured that it loses very little color even when open.

The flowers are not very full, possessing just enough petals to make a good-shaped bloom. Growth is vigorous and slender, carrying splendid coppery foliage, while the blooms are freely produced. Mount & Sons staged some 250 blooms and a glorious show they made. Plants are being sold, retail, at 5s. ($1.20) each.

Many New Forms of Daffodils

The Daffodil season is now with us, and the year 1910 promises to be rich in novelties which, in Daffodils, means that a very long pocket is necessary if one desires to purchase; nevertheless, they cause one to gasp not a little. Not only do raisers improve upon older sorts but they give us totally distinct breaks.

In Rags and Tatters and Shock-Headed Peter, Messrs. Cartright & Goodwin give us two giant doubles in the way of the old Eggs & Bacon, and Codlins & Cream respectively. These new sorts are monsters, about four inches.

In Inglecombe we have a pure Buttercup yellow, as double as a Rose and as large as a well-grown Sulphur Phœnix. In white trumpets, this raiser has got right away from Madam de Graaf for size.

Countess of Stanford is as large as King Alfred; The Fawn, Icicle and Empire are three other beautiful sorts.

Wonderful is indeed a wonder, for it is a polyanthus-flowered sort with blooms as big as Ornatus, the cups being bright red. In short, or chalice cup sorts Gadfly is a beauty, the cup, which is brilliant red, showing up against the gleaming white outer petals.

Retail florists are invited to send us items of trade interest for publication on this page; clear photographs of good designs will also be appreciated. These latter should always be packed carefully between boards.

A Coming New Book for Decorators

Mr. R. F. Felton, the well-known florist to the king, bids fair to shine as an author. Not content with penning an article for the Carnation Annual, he is about to issue a book on Decorative Floral Work. If the meat is equal to the crust, then Mr. Felton's book will be worth reading. T. A. W., Eng.

Origin of Mothers' Day

A Worthy Memorial Assuming National Importance

"Mothers' Day," inaugurated in Philadelphia four years ago will, this year, be observed on Sunday, May 8. Its recommendable feature is that it is intended to commemorate the memory of the best mother that ever lived, your own, and it is your privilege to pay public but modest tribute to that mother by wearing a white Carnation.

Miss Anna Jarvis, 2301 North Twelfth st., Philadelphia, was the originator of Mothers' Day. She is a modest, middle-aged woman, whose own mother died five years ago, on May 9. Her own grief brought a realization of the sorrow which a mother's death must always bring to some one, which Miss Jarvis was not slow to act upon. She began her campaign for a national celebration of the day by writing anonymously to editors, ministers, men in public places and heads of fraternities, asking their help. The idea appealed to the deepest and best sentiments of every one and gained such unanimous support that Mothers' Day last year was celebrated in nearly every State in the Union.

The day and its lesson furnished ministers with texts, and it was observed in hospitals, prisons, institutions and almshouses.

In the last four years the plan has taken a firm hold on the public consciousness. A meeting of representative men was recently held, after a lunch in Miss Jarvis' honor, and plans were discussed for making the day a national festival. The originator, however, says: "I want Mothers' Day to exist for all, princes or paupers, Christians or Jews, young or old—the figure of a mother must stand to all for what is most worthy and true."

Florists can, with propriety, place signs in their stores and windows, drawing attention to the observance, and the signification of "the white Carnation" to be worn on that day.

"Was it for this through all the countless years
The sun and dew poured spices in your cup?
Was it for this with patience and with tears
You garnered all your priceless incense up?
Oh, white Carnation, symbol of the flesh,
Your bourgeoning at last has found its own;
Today we break your ointment to refresh
Our memory of mother and of home."

—*The White Carnation Song.*

The Drexel-Gould Wedding Decorations

At the Church

The marriage of Miss Marjorie Gwynne Gould, eldest daughter of Mr. and Mrs. George Jay Gould, to Anthony J. Drexel, Jr., of Philadelphia and London, took place in St. Bartholomew's Church at 4 o'clock on Tuesday afternoon, April 19.

Alexander McConnell, 577 Fifth ave., furnished the floral decorations, which were the most elaborate, beautiful and unique ever seen on any similar occasion in New York City. On either side of the center aisle of the church were eleven great vases, festooned with Asparagus plumosus and filled with Mme. Abel Chatenay and Mrs. Jardine Roses, about one hundred to each vase.

These Roses were so skillfully arranged that each stood out by itself, retaining its own individuality, each a solitaire. Not only in the arrangement of the Roses, but also in placing all the other flowers this plan of bringing out the individual beauty of each bloom was most felicitously followed. It was evident that an experienced floral artist had planned the arrangement of all the decorations, and that he had the executive ability to see to it that his plans were well carried out. In short there was manifest the "art which conceals art," which, after all, is the true art.

As one entered the doors opposite each side aisle he was overshadowed by a great Palm rising out of a tropical luxuriance of wild Smilax, and at the head of each side aisle similar decorations were used.

Between the pillars of polished granite along each side aisle were other great vases, eight in number, wreathed with Asparagus and filled with gigantic Callas of wondrous beauty. Indeed, the nearly two thousand Callas used in the decorations were a unique feature of the decorative scheme.

The choir gallery at the entrance was heavily festooned with wild Smilax intermingled with boughs of Apple, Dogwood and Cherry blooms. The architraves of the granite pillars were wound with wild Smilax with headings of boughs of Azaleas and Apple blooms. On the side walls were ten great bouquets of white Daisies and Asparagus so skillfully placed that they looked like those great and beautiful clumps of Daisies which grow in God's own meadows, unarranged by man.

At the head of the main aisle on either side of the steps leading to the dais in front of the altar were heavy bankings of Callas, white Lilacs and Asparagus, extending up to the altar.

On the right and left of the altar were great overshadowing Palms, under which were twenty-four vases of Callas of glistening whiteness, symbols of purity. On the marble altar itself, at the foot of the cross, stood smaller vases of Callas.

But, after all, this description by the dissective process only feebly described the surpassingly beautiful effect of the whole. It is as futile as is an attempt to bring before the eyes of another the whole beauteous countryside with its wealth of flowers, shrubs, and trees in the rare days of June.

The Bridal Bouquets

The bride's bouquet was made of Bride Roses, Orange blossoms and Adiantum Farleyense, tied with the conventional white ribbon.

The bridesmaids' bouquets were made of pink Moss Roses, Orange blossoms and Adiantum Farleyense, with a shower of pink baby ribbons in the loops of which were caught pink Moss Rose buds. The bouquets were tied with the usual pink ribbon.

The bouttonières were of Orange blossoms.

At the Gould Residence

At the Gould home, Fifth ave. and Sixty-seventh st., a temporary arch erected in the great hallway was wreathed with Smilax and Asparagus, interspersed with pink Roses. Three floors of the mansion were decorated with a great abundance of Asparagus, Smilax, and pink Roses, so as to perfectly harmonize with the surroundings. The color scheme was pink and white, carried out with pink and white Roses, and Apple blossoms.

The Regency Room, at the left of the hall, with its dark walnut woodwork picked out in gold and its rich red hangings, was decorated with American Beauty Roses.

Large Australian tree Ferns were used at the base of the wide stairway, and great Ferns and Palms were arranged through the hall. The foyer hall was also decorated with tree Ferns, Spring flowers and Roses, where Mr. and Mrs. Gould stood to receive. In the ball room a bower of pink and white Roses was erected under which Mr. and Mrs. Drexel and the bridesmaids received. The salon was decorated in pink and white.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

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We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

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We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

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Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

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Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

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The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

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Frank F. Crump — **COLORADO SPRINGS, COLO.** — **Retail Florist**
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

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From New York	Sailing Day	Hour	Pier	Destination
Furnessia	Apl 23	9.00 am.	W. 24th St., N. Y.	Glasgow
Minneapolis	" 23	9.30 am.	W. 16th St., N. Y.	London
Celtic	" 23	10.00 am.	W. 21st St., N. Y.	Liverpool
New York	" 23	10.00 am.	W. 23rd St., N. Y.	Southampton
Pres. Lincoln	" 23	10.00 am.	1st St., Hoboken	Hamburg
Berlin	" 23	11.00 am.	3rd St., Hoboken	Naples-Genoa
Lapland	" 23	11.00 am.	W. 18th St., N. Y.	Antwerp
Re d' Italia	" 25		Gr'nd St., Jer. Cy	Genoa
Kronpr'n Cecilie	" 26	10.00 am.	3rd St., Hoboken	Bremen
Ryndam	" 26	10.00 am.	5th St., Hoboken	Rotterdam
Europa	" 26	12.00 m.	W. 34th St., N. Y.	Naples-Genoa
Campania	" 27	9.00 am.	W. 14th St., N. Y.	Liverpool
Majestic	" 27	9.30 am	W. 21st St., N. Y.	Liverpool
Laura	" 27	1.00 pm.	Bush Dks. Bklyn	Naples-Trieste
Toronto	" 27		6th St., Hoboken	Hull
La Bretagne	" 28	10.00 am	W. 15th St., N. Y.	Havre
Cincinnati	" 28	11.00 am.	1st St., Hoboken	Hamburg
Zieten	" 28	10.00 am.	3rd St., Hoboken	Bremen
Ultonia	" 28	12.00 m.	W. 14th St., N. Y.	Naples-Trieste
Oscar II	" 28	2.00 pm.	17th St. Hoboken	Copenhagen
Florida	" 28		Bush Dks. Bklyn	Naples-Genoa
Minnetonka	" 30	9.30 am.	W. 16th St., N. Y.	London
St. Paul	" 30	10.00 am.	W. 23rd St., N. Y.	Southampton
Oldenburg	" 30	10.00 am	3rd St., Hoboken	Bremen
Amerika	" 30	10.00 am.	1st St., Hoboken	Hamburg
Fred der Grosse	" 30	10.00 am.	3rd St., Hoboken	Naples-Genoa
Columbia	" 30	11.00 am.	W. 24th St., N. Y.	Glasgow
Kroonland	" 30	11.00 am.	W. 18th St., N. Y.	Antwerp
Cedric	" 30	12.00 m.	W. 21st St., N. Y.	Liverpool
Duca di Genova	" 30	12.00 m.	W. 34th St., N. Y.	Naples-Genoa
Floride	" 30	3.00 pm.	W. 44th St., N. Y.	Havre
Perugia	" 30		Uo. Stores, Bkln	Naples
Patris	May 2		Un. Stores, Bkln	Piraeus Patras Smyrna
Chicago	" 2	3.00 pm.	W. 15th St., N. Y.	Havre
Kronpr. Wilhelm	" 3	10.00 am.	3rd St., Hoboken	Bremen
Potsdam	" 3	10.00 am.	5th St., Hoboken	Rotterdam
Carmania	" 4	9.00 am	W. 14th St., N. Y.	Liverpool
Taormina	" 4	12.00 m.	W. 34th St., N. Y.	Nap-Pal-G'n'a
Oceanic	" 4	1.00 pm.	Bush Dks. Bklyn	Napls-Trieste
Pres. Grant	" 4	2.00 pm.	1st St., Hoboken	Hamburg
Adriatic	" 4	2.00 pm.	W. 21st St., N. Y.	Southampton
Estonia	" 4		Bush Dks. Bklyn	Rotdam-Libau
Roma	" 4	1.00 pm.	Pier 33, Bklyn	Naples
La Lorraine	" 5	10.00 am.	W. 15th St., N. Y.	Havre
Geo. Washington	" 5	10.00 am	3rd St., Hoboken	Bremen
Batavia	" 5	2.00 pm	1st St., Hoboken	Naples
C. F. Tietgen	" 5	2.00 pm.	17th St. Hoboken	Copenhagen
Manuel Calvo	" 6		Pier 8, E. River	Barcel'a Cadiz Naples-Genoa
From Boston				
Magentic	Apl 26	12.00 m	B & M Dks, Char	Liverpool
Numidian	" 28	11.00 am.	Mystic W'f Char	Glasgow
Lazio	" 29		Clyde St., E. Bos.	Naples-Genoa
Cambrian	" 29	2.00 pm.	B & M Dks, Char	London
Zeeland	May 3	5.00 pm.	B. & M Dks. Char.	Liverpool
Canopic	" 4	4.00 pm.	44 Ho'sie T. Char	Gib-Nap-Gen.
Philadelphia				
Merion	Apl 23	10.00 am.	53 So. Wharves	Liverpool
Manitou	" 29	10.00 am.	53 So. Wharves	Antwerp
Friesland	" 30	10.00 am.	53 So. Wharves	Liverpool
Mongolian	" 30		24 No. Wharves	Glasgow
Taormina	May 3		80 So. Wharves	Pal-Nap-G'o's
San Francisco				
Manchuria	Apl 26			Honolulu-Japan-China
Chiyo Maru	May 3			Honolulu-Japan-China
Asia	" 10			Honolulu-Japan-China

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We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

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I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — **LOUISVILLE, KY.** — **644 Fourth Avenue**
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA** — **655 St. Catherine St., West**
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Young & Nugent — **NEW YORK** — **42 West 28th Street**
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** — **25 Clinton Avenue, North**
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — **SCRANTON, PA.** — **122 and 124 Washington Ave**
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454. on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** — **20-22-24 West Fifth Street**
We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

For "Supply" Advertisements see pages 746, 747

A House Wedding Decoration

It is easy to make advertising claims for Ribbons, but to make Ribbons that make good the claims, is hard.

PINE TREE RIBBONS we claim to be the best made for the Florists' use. They have the Florist shades, a beautiful luster, many widths in stock at all times, and at the prices we quote these qualities, no Florist can afford to be without them. These are our claims and we make them good. Why not favor us with a trial order?

Samples and prices free.

The Pine Tree Silk Mills Company

Philadelphia, Pa.

806-808-810 ARCH STREET

Please mention the Exchange when writing.

FANCY OR DAGGER FERNS, $1.50 per 1000.

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. GREEN MOSS, $1.25 per barrel. Use our LAUREL FESTOONING, for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. SMILAX, 50 lb. cases, $6.00. PINE, 7c. per lb.

Telegraph office; New Salem, Mass. L. D. Phone Connection

Nice, large bunch of Laurel Branches, 35c. Laurel and Pine wreaths, $2.00 to $3.00 per doz. Boxwood, $12.00 to $15.00 per 100 lbs.

ARBUTUS FLOWERS now in full bloom; send for a sample bunch or more. Large bunches only 15 cents; quick sellers.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

CUT FLOWER AND DESIGN BOXES

All Sizes, Lowest Price

WRITE

C. C. Pollworth Co.

MILWAUKEE

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Spraya.

Dagger and Fancy Ferns, $1.50 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Spraya, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, BOSTON, MASS.

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roplags made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY

962 Mill Street, KENDALLVILLE, IND.

Please mention the Exchange when writing.

WHOLESALE PRICE LIST

GALAX, FERNS AND LEUCOTHOE	Per 1000
Direct from the woods to the dealer.	
Galax: green and bronze	$0.50
Ferns, dagger and fancy.	1.00
Green Leucothoe sprays, regular lengths.	2.00
Green Leucothoe Sprays, 10 to 15-in.	1.00

Special prices on lots of 100,000 and up.

Terms, strictly cash, f. o. b. Elk Park, N. C.

NORTH CAROLINA EVERGREEN CO., Banners Elk, N. C.

Please mention the Exchange when writing.

Southern Wild Smilax

Now ready for shipment.

Write, wire, or 'phone the introducers.

CALDWELL THE WOODSMAN DECORATING CO.

EVERGREEN, ALABAMA

Please mention the Exchange when writing.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

Please mention the Exchange when writing.

F.E.—Best Advertising Medium

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.25	36x8x4	$4.50
18x5x2	2.25	30x5x3½	3.75
24x5x3½	3.00	25x8x5	8.50
21x7x3½	3.25		

Printed free in lots of 200 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
15x16x8	$8.00	36x14x10	$18.50
18x18x6	8.00	26x10x8	10.00
10x20x8	10.00	30x12x7	8.50
14x24x8	12.00	28x12x4	5.50
24x18x8, Pillow Box			12.00
10x15x8, Pillow Box			10.00

10% discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.

Box 205 CASTORLAND, N. Y.

New York Office, 20 East 42nd Street

Please mention the Exchange when writing.

Wreath of Killarney Roses, Lily of the Valley, Lilac and Maidenhair Fern

Retail Notes

LONG BRANCH, N. J.—W. W. Kennedy & Sons have opened a florist store at 232 Broadway.

SUMNER, WASH.—The Sumner Floral Co. has been incorporated with a capital of $8,000. The incorporators are J. W. Thompson, Elizabeth Brentlinger and Andrew Hiker.

WOBURN, MASS.—Stillman S. Hovey has sold his florist usiness to M. J. Aylward & Sons, florists, of this city, who will continue the business under the style of Aylward the Florist.

LEAVENWORTH, KANS.—Miss Kate Dicks, a florist of 429 Shawnee st., has purchased the Custom Flower Store at 404 Shawnee st. from J. F. Meinhardt, and has moved to the new location.

INDIANAPOLIS, IND.—Anthony Wiegand celebrated his fifty-first anniversary in the florist business on the evening of April 13, with a theater party at the Grand Opera House for his twenty employees, ending with a lunch and smoker at the Elks' Club.

CLEVELAND, O.—The flower store of the Smith & Fetters Co., in Euclid ave., was transformed into a reception room on the afternoon of April 14, in honor of the formation of the new organization, which makes former employees members of the company. The shop was a bower of Roses and Spring flowers. Many beautiful bouquets and pieces were sent in by friends of the concern. Favors of bunches of Violets were given to those who called at the store during the receiving hours, 3 to 5. The new company consists of Frank Monroe Smith, president and treasurer, who will have personal supervision of all contract work, as formerly; William S. Krusen, vice-president; Louis A. Koons, Jr., secretary; Clarence A. Myers, decorator; and Timothy Smith, manager.

Received

ERNST BENARY, Erfurt, Germany.—A large lithographed sheet showing that firm's hybrid Gloxinias. The range of colors shown in these hybrids is remarkable.

LEONARD COUSINS, JR., Concord Junc., Mass.—A box of his superior strain of Pansies grown from seed saved by himself from selected plants. The size and range of color shown by these plants was certainly noteworthy.

The Florists' Supply House of America

You will want Memorial Designs—Why not order now?

METALLIC DESIGNS in every style suitable for Memorial Day Celebrations. Every Design we send out is true to nature in foliage and flower. All designs are ornamented with roses, carnations, forget-me-nots and other flowers as desired. Special designs on hand and made to your order, which include Pillows, Anchors, Gates Ajar, etc. IMPORTED MAGNOLIA LEAVES, Green and Brown, for all occasions; CYCAS WREATHS, FANCY IMPORTED WREATHS, etc.

BASKETS OF ALL KINDS FOR JUNE WEDDINGS; order some now and be prepared in advance.

ALL OTHER SUPPLIES IN ABUNDANCE.

Send for our new Catalogue.

H. Bayersdorfer & Co.

1129 ARCH ST., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Lilacs are a glut; one farmer hauled in 1000 dozen to the city which were bought up quickly, while others brought in barrels, boxes and wagon loads of them and the stores and streets had an over supply, selling them as cheaply as 2½c. per bunch—good-sized bunches. One of our growers said the glut was a drawback to the business and would be so until the season was over.

While M. G. Kalb, Catonsville, Md., was at the store of James Glass last Wednesday week, with a load of flower pots, his horses became frightened and ran away, turning out to Brehm's Lane and from there to Belnir rd., where they ran into a building. They then ran down the road at a great rate of speed, and finally dashed into an iron railing, one of the horses being killed. The wagon was a wreck. Mr. Kalb is well known to the trade and much sympathy is expressed by those who heard of his misfortune.

G. Cook has a horse that is thirty years old and is nearly played out. He has had him all his life and is wondering what will be done with him. At his death he will make a five foot horseshoe for him.

Hartford, Conn.

Business the past week has been very satisfactory on account of the large amount of funeral work that has been done; this part of the business has kept the dealers hustling.

Bulbous stock, such as Tulips and Daffodils, are still to be had, but the supply is about exhausted. The demand for these flowers has fallen off considerably the past week. Violets are still in the market but are poor in quality. There is a good supply of Roses, Carnations and Sweet Peas, and the quality remains good. The local seed trade has opened up fairly well but it is a little early to expect very much doing in this line yet.

Page E. Potter has opened a store on Main st. corner of Gold; he has part of the store of the Linus T. Fenn Co., a large house-furnishing store. Mr. Potter is a young man and has the appearance of a hustler, and there is no reason why he should not succeed; he has one of the best locations in town.

Mrs. Spear, wife of David A. Spear of the firm of Spear & McManus, died very suddenly at her home last week of heart trouble. Mrs. Spear had been in poor health for a number of years but the past year had been much better, so that her death came as a great shock. Mr. Spear has the sympathy of a host of friends. J. F. COOMBS.

Seedling Carnation originated by M. J. Schaaf, Dansville, N. Y.

Baltimore

The weather conditions have hampered business somewhat. The six weeks' drought came to an end last Sunday, with extremely heavy rains, and up to Tuesday night the weather was quite wintry. The country is in its full dress of green and many plants and trees are in full blossom. Present indications point to a full supply of horticultural and floricultural products, if Jack Frost does not make his appearance.

Trade has fallen off this week; the pot plant line has almost come to a standstill and funeral work seems to be the only kind of business done. The retail stores are doing little business and some of their clerks are standing idle. However, funeral work is disposed of quickly.

Cut flowers are still in heavy supply.

Schaaf's Seedling Carnation

M. J. Schaaf of Dansville, N. Y. has sent us a photograph of his Carnation seedling No. 12, which, he says, is a cross between Enchantress and Mrs. Thos. W. Lawson. Mr. Schaaf says: "In habit of growth this Carnation is identical with that of Enchantress except the calyx, which absolutely does not split; the color is red; a three year trial has been given it. Photograph shows natural size of flowers." [The flower in our reproduction shown taken "head-on," was 3¾ in. wide. The calyx seems strongly built and well able to bear a bloom of large size.]

Rhododendron Maximum
Hemlock Branches
for Cemetery Use

Always Fresh From the Forests

LOG MOSS in Large Sheets

Good Green Color—Well Dried

$1.60 PER BAG

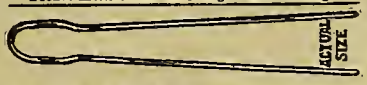
ORDER NOW

Alleghany Mountain Evergreen Company
FARMINGTON, PA.

Please mention the Exchange when writing.

USE KRICK'S
Perfect Handles and Hangers
Just the thing for Easter.
When crowded for space will sustain the weight of 100 pounds.
Sample and prices on request.
CHAS. A. KRICK
1164-66 GREENE AVE., BROOKLYN, N. Y.

Please mention the Exchange when writing.



TIME IS MONEY Save half the time greening your designs by using Florist Greening Pins. 20c. per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c. per lb. Write for prices on larger quantities.

WM. J. SCHLATTER & SON, 422 Main Street SPRINGFIELD, MASS

Please mention the Exchange when writing.

MICHIGAN CUTFLOWER EXCHANGE, Inc.
Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.
Please mention the Exchange when writing.

GREEN GALAX

I can furnish good Medium Size Green Galax up to the 1st of May, at $2.90 per case; this stock is fresh and hardy and would make good cold storage stock, all picked and packed in April, and up to the standard. Send orders at once with cash.

G. A. HOLDER, Round Peak, N. C.

Please mention the Exchange when writing.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire
IGOE BROTHERS
Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes
63-71 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

E. A. BEAVEN
EVERGREEN, ALA.
LOG MOSSES
Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

WE MANUFACTURE
ICE BOXES The Latest Improved
Also Florists' Novelties, Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.
Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK
'Phone 4254 Madison Square

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLD GUARANTEEY
LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

Please mention the Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By single man, A 1 grower of Roses and Carnations. References. Address "Florist," 203 East 19th street, New York City.

SITUATION WANTED—By experienced seedsman; prominent position in seed house expected. Address, L. A., care The Florists' Exchange.

SITUATION WANTED—As working foreman by A 1 Rose grower, competent to take full charge of up-to-date place. References; married, age 40. Address, L. D., care The Florists' Exchange.

SITUATION WANTED—By young man, German, sober, industrious, able to take charge of private estate or greenhouse establishment. Best of references. Y. W., National Soldiers' Home, Maine.

SITUATION WANTED—As head gardener or foreman on private or city place, competent nursery, planting and landscape work, 16 years' experience, 7 years in present position. Address, K. C., care The Florists' Exchange.

SITUATION WANTED—By practical middle aged florist, life experience in growing Roses, Carnations, Violets, Chrysanthemums and bedding plants. Single, sober, industrious; state wages. Address, A. G., Florist, Progress Hotel, 12 Chatham square, New York City.

SITUATION WANTED—By sober, industrious Swede, 6 years in present place, where are grown Pinks, 'Mums, Peas and general lot of bedding stock; vicinity of Providence preferred, but willing to go anywhere if good chance is offered. Give wages and particulars. Address, K. D., care The Florists' Exchange.

SITUATION WANTED—By an American, 24, single, on a Rose growing place as construction man; can erect houses, glaze, set up all kinds of boilers, installing heating systems, can do all kinds of carpenter work and general repairs. Have had experience in growing Killarney, packing and shipping of same. Open for employment at once. Address, L. F., care The Florists' Exchange.

HELP WANTED

WANTED—Undergardener, efficient, steady man for private estate near New York. Apply Pittsburgh Building Company, 787 Fifth avenue, New York.

WANTED—An assistant in Rose and Carnation Houses. Wages $60.00 per month. Apply with references and full particulars to K. H., care The Florists' Exchange.

WANTED—Rose grower for general greenhouse work; married man preferred; permanent position. Call or apply to Edgar C. Hopping, Florham Park, near Madison, N. J., via D. L. & W. R. R.

WANTED—Sober, young married man, to work in greenhouses; good steady position. 6 rooms and $12.00 per week to start. German preferred. K. E. Kaulback, Berlin, N. Y.

HELP WANTED—An experienced man for Carnations, Chrysanthemums and general plant line. Permanent position for good grower. Address Peirce Bros., Waltham, Mass.

WANTED—Two assistants in Rose and Carnation houses; apply at once with references to
THE JOHN YOUNG CO.,
Bedford Station, N. Y.

WANTED—A good general greenhouse man, to work under foreman, mostly Roses; one who can handle the hose to advantage; steady job to a good man. Address, K. G. care The Florists' Exchange.

ROSE GROWER WANTED—By May 1, to take full charge of three modern houses, 20x175 ft.; $40.00 per month and room to begin; interest in business if a successful grower. Must be sober and a good worker. State full particulars and references in first letter. Henry T. Rohner, Madison, N. J.

HELP WANTED

WANTED—Two experienced section men for Rose houses. Apply with references and state wages.
S. J. REUTER & SON, INC.,
Westerly, R. I.

WANTED—An assistant in greenhouse work with some experience; $12.00 per week to start. State references and experience. Steady work to right party. No drinker need apply. Ed. A. Lorentz, Middletown, N. Y.

WANTED—Man to take charge of 6-acre country place. Must know how to grow fruits, vegetables and flowers; married man preferred. Address, stating wages and qualifications, F. L. Wandell, 51 Chambers street, New York City.

WANTED—A good man for steady position, to take charge of small greenhouse where Chrysanthemums, Carnations and general line of bedding stock is grown. Good room and board. Address, C. M. Terry, Phoebus, Va.

WANTED—At once, a working foreman, married, capable of handling help to advantage, on a place of 35,000 feet of glass, where Roses, Carnations, 'Mums, Bedding Plants and general stock are grown to supply our store. Must be a producer of first-class stock. Send copies of references, state age, and wages expected in first letter. John Reck & Son, Bridgeport, Conn.

WANTED—A licensed fireman, to work on large greenhouse establishment located in the country near Boston. Modern boiler house. Must be experienced in greenhouse work and willing to do all kinds of work during Summer. Must be thoroughly reliable in every way. Wages, $45.00 a month, the year around, with five-room house near establishment. Address, L. G. care The Florists' Exchange.

WANTED—Assistant on private place, young man capable of putting out bedding plants, caring for flower beds and making himself generally useful about flower and vegetable garden. Permanent position with $35.00 a month and board, to a good man, who is quick and neat about his work. No others need apply. Apply with references in person or by letter to Gardener care W. R. H. Martin, Belle Haven, Greenwich, Conn.

STOCK FOR SALE

BEGONIAS

BEGONIA Lorraine and Agatha—2½-in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500.
Box Trees, all sizes. Ask for special list.
Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. Y.

BEGONIA VERNON, pink and red, out of 4-in., 100 $8.00; 2-in., 100 $3.00. Dwarf Alyssum, out of 3-in., 100 $3.00. Lobelia, dwarf blue, out of 3-in., 100 $3.00. Gleckoma, Ground Ivy, out of 3-in., 100 $3.00. Ageratum, blue, out of 2-in., 100 $3.00. Geraniums, best mixed colors, out of 4-in., 100 $7.00; out of 3-in., 100 $4.00; out of 2-in., 100 $2.50. Smilax, out of 2-in., 100 $2.00. Dracaena indivisa, out of 3-in., 100 $4.50; 2-in., 100 $2.00. Asparagus plumosus, out of 3-in. pots, 100 $4.76. Clematis paniculata, out of 3-in., 100 $5.00; 2-in., 1000 $20.00. Salvia (Scarlet Sage), Clara Bedman, out of 3-in., 100 $3.00; 2-in., 100 $2.00. Hardy English Ivy, out of 3-in. pots, 2 plants to the pot, 16-in. long, 100 $5.00. Cash with order. All goods at purchaser's risk.
SAMUEL V. SMITH,
3323 Goodman St., Philadelphia, Pa.

BULBS

GLADIOLI—200,000 fine Gladioli bulbs, Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices George Peters & Sons, Hempstead, N. Y.

STOCK FOR SALE—Dahlia Roots, undivided field-grown clump, White Swan, Pearl d'Or, Kreimhilde, Nymphia, Lyndhurst and Catherine Duer. Send for special price list. Wood & Healey, Hammonton, N. J.

DAHLIA BULBS for the trade at $3.50 per 100; $30.00 per 1000. Not over two bulbs of a kind in a hundred lot; all copper wire labelled with printed name and color; just what you need to sell again. C. Peirce, Dighton, Mass.

CHRYSANTHEMUMS

CHRYSANTHEMUMS.

Rooted cuttings, Yellow Bonnaffon, Dr. Enguehard, Polly Rose, Glory of the Pacific, $1.00 per 100; strong cuttings from cold frames. Park Floral Co., Trenton, N. J.

CHRYSANTHEMUMS—Golden Glow, Desjouis, Poehlmann, Pacific, Estelle, Roosevelt, Nonin, Dr. Enguehard, Monrovia, Lynnwood Hall, etc.; strong rooted cuttings, $1.00 per hundred. Ask for list; 25 varieties. Edward Wallis, Atco, N. J.

GLORIA, a large early Enchantress Pink 'Mum; Pres. Taft, a huge glittering White Midseason, both have stems and foliage unsurpassed; R. C. prepaid, $1.00 per 26, $3.75 per 100. Gloria, 2¼ in., $5.00 per 100. Chas. Frost, Kenilworth, N. J.

Continued to next column

STOCK FOR SALE

CHRYSANTHEMUMS

CHRYSANTHEMUMS.

Golden Glow, Col. D. Appleton, Crocus, Major Bonnaffon, Mlle. J. Nonin, Rooted Cuttings, $2.00 per 100, $15.00 per 1000. Plants, $3.00 per 100, $25.00 per 1000.

Ivory, Monrovia, October Frost, Pacific Supreme, Roserie, Cremo, Viviand Morel, Rooted Cuttings, $2.50 per 100, $20.00 per 1000. Plants, $3.00 per 100, $25.00 per 1000.

Golden Eagle, Pres. Roosevelt. Rooted Cuttings, $3.00 per 100, $25.00 per 1000. Plants, $4.00 per 100, $30.00 per 1000.

NEW 1909.

Indiana, Dolly Dimple, Mrs. W. E. Kelley. Rooted Cuttings, $5.00 per 100, $40.00 per 1000. Plants, $6.00 per 100, $50.00 per 1000.

Gloria. Rooted Cuttings, $3.00 per 100, $25.00 per 1000. Plants, $4.00 per 100, $30.00 per 1000.

25 at hundred rate, 250 at thousand rate.
For complete description, see catalog.
Elmer D. Smith & Co., Adrian, Mich.

DRACÆNAS

500 DRACAENA INDIVISA—Strong plants, 3 ft., 6-in. pots, $6.00 per doz.; strong plants, 2 ft., 5-in. pots, $4.00 per doz. 500 English Ivy, 4-in. pots, $15.00 per 100. Large Boston Ferns. Cash with order. Henry Rudolph, Essex Fells, N. J., Tel. 6, Caldwell, N. J.

DRACAENA INDIVISA.
Very strong.
5-inch pot, as good as 6-inch, $21.00 per 100
5-inch, strong, $19.00 per 100
5-inch, good, $18.00 per 100.
No Better to be had for the money.
Morel Bros., 622 East Market st.,
Scranton, Pa.

GERANIUMS

10,000 GOOD STRONG GERANIUMS. In 3½ and 4-in. pots, mostly Nutt, all out in bloom, $6.00 per hundred. Johnson & Garland, Nazareth, Pa.

GERANIUMS—S. A. Nutt, fine plants out of 4-in. pots at $6.00 per hundred. Satisfaction guaranteed. This price for April delivery.
BRANT BROS., INC., UTICA, N. Y.

STOCK FOR SALE—Geraniums S. A. Nutt and Double Lobelia, 2-in., $2.00 per 100, Rooted Cuttings, Double Lobelia, Salvia, Zurich, German Ivy, Ageratums, Gurney and Cuphea, 75c. per 100. Cash with order. F. A. Ezold, Haddam, Conn.

HOLLYHOCKS

FOR SALE—Double Hollyhocks, four colors, 1 year old, fine plants, at $3.00 per 100. John S. Mortlock, Coloma, Mich.

HOLLYHOCKS, double, in separate colors—out 4-in. pots—extra heavy and healthy, Price $8.00 per hundred. A. L. Miller, Florist and Nurseryman, Jamaica ave. opp. Schenck ave., Brooklyn, N. Y.

IVY

IVY—Hardy, English, 4-in. pots, very bushy, 3 to 5 ft. tall, $15.00 per 100. John Reck & Sons, Bridgeport, Conn.

STOCK FOR SALE—Extra fine English Ivy out of 4-in. pots, $12.00 to $15.00 per 100. Variegated Vincas, 2½-in., strong, $3.50 per 100. Herman Bowman, 92 R. R. ave., White Plains, N. J.

NURSERY STOCK

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA

The true large flowering forcing variety, warranted true 2¼-inch pots at $3.00 per hundred, one year field grown strong 12 to 18 inches, $6.00 per hundred, $66.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

PANSIES

CHOICE Pansy plants, Fall transplanted, $1.00 per 100, $8.00 per 1000. Cash. W. C. Myers & Sons, Scottdale, Pa.

Pansies, August sown, in bud and bloom, not transplanted, from cold frame, $3.00 per 1000; big transplanted plants from field, $2.00 per 100. Cash please. Frank Boehme, Watchung ave., Bloomfield, N. J.

ROSES

GRAFTED ROSE STOCK.
Killarney, White Killarney, Brides, Bridesmaids and My Maryland, 2½-in. stock, $15.00 per 100, $125.00 per 1000. C. H. Totty, Madison, N. J.

SALVIAS

STOCK FOR SALE—5000 Salvia Bonfire, 2½-in. pots, $2.50 per 100. Joseph Wood, Spring Valley, N. Y.

SALVIA—Splendens and Bonfire, transplanted seedlings, 75c. per 100. Lemon Verbena, Stevia and Feverfew, rooted cuttings, prepaid, 75c. per 100. Pansy plants from Fall sown seed, prepaid, 60c. per 100; 1000, by express, $3.00. Chas. Frost, Kenilworth, N. J.

STOCK FOR SALE

VEGETABLE PLANTS

MILLIONS of early and late vegetable plants for sale. All kinds and varieties transplanted or not; write for prices. See our display advertisement in this issue of pot plants. Alonzo J. Bryan, Washington, N. J.

NOW READY TO SHIP—A very large stock of Early Cabbage, Tomato, Beet and Sweet Potato Plants, at $1.25 per 1000. Extra plants to help pay express charges. S. J. McMichael, P. O. Box 473, 152 Larkins st. Findlay, O.

VINCAS

STOCK FOR SALE—20,000 Vinca Minor (Myrtle blue fl.) 1 year old strong field grown clumps, $7.00 per 100. 4000 Dracaena Indivisa, extra fine, 4-in., 10c.; 5-in., 20c.; 6-in., 35c.; 7-in., 45c.; 8-in., 60c.; 9-in., $1.00 each.

MISCELLANEOUS

KUDZU VINES, largest stock, strong 1 year $15.00; medium, $10.00; light grade for potting, $5.00 per 100. Teas Nursery, Carthage, Mo.

VIOLETS, good strong rooted runners, Princess of Wales, California and Campbell $1.00 per 100, 7.50 per 1000. W. C. Fray Dobbins, N. J.

FREESIA, 35,000; $2.50 in 10,000 lot; $3.00 in 5,000 lot; $3.50 in 1,000 lot. Honest sample on receipt of 10 cents in stamps. L. Epple, North Pelham, N. Y.

SMILAX
for June or July delivery, $12.50 per thousand; fine plants. Geraniums and Salvias all sold. P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

AMPELOPSIS VEITCHII, strong, well rooted, one year plants, 18 to 24 inches; 50, by mail, $2.00; 100, $3.00; 1000, $20.00; by express. Address, Chas. Black, Hightstown, N. J.

ASPARAGUS SPRENGERI out of 4-in. pots at $6.00 per 100. Asparagus Plumosus out of 4-in. pots at $10.00 per 100. Extra fine. Satisfaction guaranteed.
BRANT BROS., INC., UTICA, N. Y.

6000 Variegated Funkia clumps, $40.00 per 1000; 1000 Green leaved Funkia clumps, $30.00 per 1000; 1000 Hardy Phlox, mixed clumps, $50.00 per 1000; 3000 Hardy White Candytuft, 3 years' clumps, $60.00 per 1000; 1000 Purple Iris, 10 to 15 eyes to the clump, $50.00 per 1000; 500 California Privets, low and branchy, $5.00 per 100. Cash with order. A. F. Johnson, Springfield, L. I., N. Y.

STOCK WANTED

WANTED—Some good potted Poinsettia stock. Write with particulars to L. H., care The Florists' Exchange.

STOCK WANTED—I want to purchase good blocks of Boston and Scottii Ferns. State quantities, sizes, prices and particulars to L. C., care The Florists' Exchange.

FOR SALE OR RENT

FOR SALE—Florist, seed and landscape business, in town of 20,000 population. Good location; 6 years established. Price $800.00. Address, L. E., care The Florists' Exchange.

FOR SALE—Farm, suitable for florist, 3½ acres, 5-room house, within 1200 feet of Long Island Railroad station, rent $20.00 per month, 3 to 5 years' lease, immediate possession. Box 35, Douglaston, Long Island.

TO LEASE—In Brooklyn, 10,000 to 12,000 sq. ft. of glass in good condition. Place fully stocked. Handy to cars. For further particulars, address I. F., care The Florists' Exchange.

FOR SALE—A well established florist business, which has been successfully conducted for seventeen years, consisting of dwelling house, greenhouses and store. Not a large amount of money needed. Address, L. B., care The Florists' Exchange.

FOR SALE TO SETTLE ESTATE—The entire greenhouse establishment of Mrs. F. T. Howell, 18,000 feet of glass, 20,000 feet of piping, two boilers, poles, etc.; plant to be removed. Price $1500.00. R. T. Brown, Pine Bush, N. Y.

FOR SALE—Greenhouse property of 10,000 ft. of glass. A 1 condition. Steam heating, electric light; the same is stocked with Roses, Carnations and bedding plants. The reason for selling: I have two establishments and must dispose of one. Inquire of W. D. Snell, Herkimer, N. Y.

FOR SALE

Florist's establishment, fully equipped, in city of 30,000 people. Hot houses of 6000 square feet, modern in every respect. No similar establishment in town. Death of owner, cause of selling. Address, Greenville Real Estate, Loan & Insurance Co., Greenville, S. C.

FOR SALE—In East Williamsburg, L. I., 2-family dwelling with stable and 4 greenhouses with 6000 sq. ft. of glass; 5 lots, 25x100 ft., and piece of land to hire in rear of property. Place in good condition; convenient to all cars and trains. Estate of Andrew Groll deceased. Inquire of Jacob Amann, Florist, 1702 Metropolitan ave., Middle Village, L. I., at Lutheran Cemetery.

Continued on next page

FOR SALE OR RENT

FOR SALE

Greenhouse establishment with four semi-span frame greenhouses, good barn and outbuildings. Eight room house with hot water heat, 3 acres of level and fertile ground right near good town and handy to New York market. Trolley passes door. This whole place has been built the last 3 years and is in first-class condition, well stocked and beautiful grounds. Price $12,000. Half cash. Address, H. A., care The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO LEASE—June 1, retail greenhouse establishment with land. State out, size, etc. Box 97, Jersey City, N. J.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. L., care The Florists' Exchange.

WANTED—One hundred to three hundred second-hand six-foot hotbed sash in good condition. A. G. Smith & Son, Petersburg, Pa.

SUNDRIES FOR SALE

FOR SALE—One 22-foot smoke stack, 34-in. in diameter, made of ¼-in. iron, as good as new at $1.00 per foot. E. W. Olin, Nobscot, Mass.

FOR SALE—Best brands greenhouse glass, all sizes at special low prices. Small or large lots. C. S. Weber & Co., 10 Desbrosses st., New York City.

FOR SALE—Contents of a greenhouse, consisting of large Palms, Ferns, Rubber Plants, etc. Inquire of Gardener at 623 West 141st street, New York City.

FOR SALE—Paradise fish, little beauties; these fish build their nest on top of the water and are very interesting. Send for prices. Samuel V. Smith, 3323 Goodman st., Philadelphia, Pa.

FOR SALE—To quick cash buyers, 300 boxes 16x24, A double greenhouse glass, 3.25 per box, 300 boxes, B. double, $3.00 per box. Will not accept orders in less than 30 box lots. C. S. Weber & Co., 10 Desbrosses st., New York City.

FOR SALE—All kinds of greenhouse material.

SPECIAL THIS WEEK—200 boxes 10x14 double thick glass, 3000 feet of 4-in. flitchinge pipe, very cheap, at James Monaghan's Greenhouses, 33 Belmont ave., Madison, N. J.

I. SUESSERMAN, 229 Livingston st., Newark, N. J.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 6 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Coming Exhibitions

Boston, Mass., May 26-30, 1910.—Great Exhibition of Orchids and other plants by the Massachusetts Horticultural Society. Secretary, William P. Rich.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, Secretary, 6473 Florissant ave., St. Louis.

FOR SALE

AUTOMOBILE Model F Cadillac, baby touring, guaranteed, with almost new quick-detachable tires, finest thing for business or pleasure, price $200.00.

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 3½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 600 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 160 lbs. pressure, 9c. 6 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete. $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

CARNATION SUPPORTS About 10,000 at $4.00 per 1000.

GLASS New American natural gas made glass, packed 60 sq. ft. to the box, 8x10, 10x12 and 10x16 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Rose Plants

Grown on own roots, kept in cold houses during the Winter, now coming into bud and just right for outdoor planting; General Jacqueminot, Gruss an Teplitz, Clothilde Soupert, Crimson Rambler, etc., 6-in pots, $35.00 per 100.

Prairie Queen, 6-in. pots, very large, $3.00 per doz.; 6-in. pots, very large, $2.40 per doz.

Pres. Carnot, Clothilde Soupert, Richmond, La France, Louis Philipe, Gruss an Teplitz, Gen. Jacqueminot, etc., 5-in. pots, $25.00 per 100.

CRIMSON RAMBLERS FOR GROWING ON, 2½-in. and 3-in. Rose pots, $4.00 per 100.

HYDRANGEAS

HYDRANGEA Otaksa, for growing on, 2½-in. pots, $4.00 per 100, $35.00 per 1000.

HYDRANGEA Otaksa, 3-in. pots, 6 to 8 flower buds, $16.00 per doz.

HYDRANGEA Otaksa, 6-in. pots, 2 to 3 flower buds, $5.00 and $6.00 per dozen.

DRACAENA Indivisa, strong field-grown plants, 6-in. pots, $25.00 per 100; 4-in. pots, $15.00 per 100.

BUTTON DAISIES (Bellis Perennis), large clumps, $3.00 per 100.

FUCHSIAS, GERANIUMS, VERBENAS, PETUNIAS, SALVIA Zurich, PYRETHRUM aureum, etc. Prices on application.

J. William Colflesh

53rd St. & Woodland Ave.

PHILADELPHIA, PA.

Please mention the Exchange when writing.

Rooted Cuttings

	Per 100	1000
Georgia	$2.50	
Rose Enchantress	2.00	$12.50
Afterglow	2.00	16.00
Beacon	2.50	20.00

BOSTON FERNS, from bench, $2.50 per 100, $20.00 per 1000; ready to plant.

QUIDNICK GREENHOUSES

J. H. Cushing, Prop., Quidnick, Anthony P. O. R. I.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

WANTED

Greenhouse man, experienced in the propagation of Shrubs and Perennials. Good position, steady work, for the right man. Give age, references, and salary expected.

CHASE BROTHERS CO., Rochester, N. Y.

Question Box

(106) **Sweet Peas.**—Sweet Pea specialists advise using cow manure as a fertilizer for Sweet Peas. Where this is not obtainable, can horse manure be substituted with good results? How should this be prepared to make it a safe fertilizer, or is there something better? When Sweet Peas grow short-stemmed, is it best to cut down on the vine to get longer stems—cutting small buds? Does this decrease the crop to too great an extent?—M. W. S., Pa.

—If M. W. S. cannot obtain cow manure, well rotted old horse manure can be used with some advantage, also pulverized sheep manure, about 15 lbs. to the 100 ft. of row, worked in the soil; Bone Meal also is to be recommended in the proportion of 10 lbs. to the 100 ft. of row. When Sweet Peas begin to shorten their stems, liquid fertilizer must be used once a week, either of cow or sheep manure, the latter not so strong. The loss of the buds will be not of much account.

A. C. Z.

(107) **Sow Bugs.**—To get rid of the wood lice or sow bug.—C. D., N. Y.

—Mix one part Paris Green and eight parts of granulated or brown sugar. Strew this mixture at night along the edges of greenhouse benches or among the plants. The next morning great numbers of dead wood lice, sometimes called sow bugs, will be found. Repeat as often as necessary.

(108) **Carnation Plants in Poor Condition.**—J. B., N. Y.

—On one partly grown bud on the portion of Carnation plant sent were twelve live aphis. Insects, rather than disease, are ruining your plants. Fumigate with tobacco dust or stems, or use some of the insecticides advertised in our columns often enough to keep down the aphis.

(109) **Geranium Leaves Spotted.**—Penna.

—Give your Geraniums more space, and more air. Keep them on the dry side, if recently repotted, but if the pots are full of roots, water freely.

Notes

NEW CANAAN, CONN.—Mrs. Chas. Crawford is to establish a greenhouse at Darien soon.

MORGAN PARK, ILL.—Robert Bebb of North Ridge has bought a large greenhouse property at Muskogee, Okla.

PINE BLUFF, ARK.—The greenhouses of A. A. Harper were blown down in a cyclone which visited the town on April 11. The loss is reported as being $2000.

MIDDLETOWN, CONN.—Charles Kieft, the florist, has purchased the old Morgan greenhouse plant. Mr. Kieft will make use of his plant at his place at Pike place.

SEDALIA, MO.—The Archias Floral Co. has purchased of John Gelven & Son their entire establishment, consisting of thirteen greenhouses, office and store rooms on Park ave., at a cost of $20,000. The establishment will continue to be under the able management of Charles Gelven.

SEATTLE, WASH.—Wm. Stuppe, formerly at Woodlawn, New York City, has removed to this city and started into business as a landscape architect.

AT AUCTION

WITHOUT RESERVE

The Fruit Auction Co.

200-204 Franklin St., NEW YORK

Horticultural Department, J. P. CLEARY, Mgr.

WILL OFFER

Tuesday, April 26th, 1910

AT 2.30 P. M. SHARP

ONE GREENHOUSE, about 140 feet long by 20 feet wide (part of which is a large Palm House, 34 by 25 feet),

Boiler, Pipe, Benches, Tools, etc., etc.

Also the plants remaining, including **Carnations, Ferns, Arancarias, etc.,** and one large specimen **Latania Borbonica.**

This sale will be held on the premises at 140th Street, near Riverside Drive, New York City, Borough of Manhattan. Reached by Broadway Subway to station at 137th Street, thence a short walk North to 140th Street and West to the entrance at 623 West 140th Street.

The Greenhouse will be shown to prospective purchasers by the caretaker at 623 West 141st Street.

Terms: 25 per cent. cash at time of sale, balance to be paid within 24 hours.

Reasonable time for demolition and removal will be allowed; arrangement to be made at time of sale.

NOTE THE DAY AND DATE

Please mention the Exchange when writing.

ORCHIDS

Just arrived in fine condition a large shipment of

Cattleya Trianae, also **C. Gaskelliana, Oncidium varicosum Rogersii, O. crispum, Miltonia cuneata, Laelia crispa, L. Perrinii** and many more.

Another lot of **Cattleya Mossiae** and **C. labiata** due shortly.

Lager & Hurrell

SUMMIT, N. J.

Please mention the Exchange when writing.

VIOLET CULTURE

Price, $1.50 Postpaid

A. T. De La Mare Ptg. & Pub. Co., New York

2-8 Duane Street New York

Special Offer of Bedding Plants That A Large Cemetery Cannot Use

Changes leaving on my hands a large quantity of **Bedding Plants,** I offer them at the following extremely low prices for immediate sale:

20,000 HARDY IVY CUTTINGS, out of sand, about 18 inches long, at $10.00 per 1000.

10,000 PERIWINKLE, $1 00 per 100; $10.00 per 1000. Also

20,000 ECHEVERIAS, ALTERNANTHERAS, COLEUS, 2½-inch pots.

Plenty of good **S. A. NUTT GERANIUMS** in 4-inch pots.

Ask for Prices

JOHN ALBRECHT PENCOYD, MONTGOMERY CO., PA.

Please mention the Exchange when writing.

Geraniums

Per 100
8 varieties, my selection, 3-in. pots..$4.00
ASPARAGUS Sprengeri, seedlings,.... $7.00 per 1000.. 1.00
DOUBLE PETUNIAS, Seedlings..... 2.50

Cash. No C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

READY MAY 1st.

GERANIUMS, HELIOTROPE, ETC.

S A. Nutt, Beaute Poitevine, La Favorite, A. Ricard, Frances Perkins, Jean Viaud, John Doyle, Mme. Jaulin, Gloire de France, Marquis de Castellane, and Rose Geraniums, 3½-in. pots, $5.00 per 100.

PELARGONIUMS, Victor, 3½-in. pots, $7.00 per 100.

HELIOTROPE, Queen of Violets, Chieftain and Mme. Bionay, 3½-in. pots, $5.00 per 100.

CANNAS, Duke, Queen Charlotte, Florence Vaughan, Martha Washington, (beautiful pink), 4-in. pots, $6.00 per 100.

IVY GERANIUMS, in variety, 3½-in. pots, $5.00 per 100.

FUCHSIAS, Snow White and Avalanche, 4-in. pots, $10.00 per 100.

VINCA Variegata, 3½-in. pots, $5.00 per 100.

BEGONIA Rex, 4 varieties, all good, 4-in. pots, $10.00 per 100.

COBAEA Scandens, 3-in. pots, $3.00 per 100.

BEGONIA Rex and BEGONIA Metallica, 3-in. pots, $4.00 per 100.

VERBENAS, SWEET ALYSSUM, Little Dorrit, 3-in. pots, $2.50 per 100.

PARLOR IVY, HELIOTROPE, two varieties; VINCA Variegata; SALVIA, Bonfire and Splendens; 2½-in. pots, $2.00 per 100.

PELARGONIUM, Victor, 3-in. pots, $4.00 per 100.

Cash with order.

WM. J. CHINNICK
TRENTON, N. J.

Please mention the Exchange when writing.

GERANIUMS

Ready to ship.

Per 100
S. A. Nutt, strong, 4-in. plants in bud and bloom $6.00

Rooted Cuttings, May 1st delivery.

	100	1000
S. A. Nutt and La Favorite	$1.00	$10.00
Castellane	1.00	10.00
Ricard	1.20	11.00

SALVIAS

Rooted Cuttings.

Bonfire and Splendens ..... .85 7.50

Quality guaranteed or stock replaced.

Cash with order.

B. F. BARR & CO. Keystone Nurseries **Lancaster, Pa.**

Please mention the Exchange when writing.

Bedding Stock a Specialty

GERANIUMS, out of 4-in. pots, in bud and bloom, S. A. Nutt, Poitevine, Castellane, La Favorite, Buchner, Doyle and Gloire de France, at $6.00 per 100, or $50.00 per 1000.

VARIEGATED VINCA VINES, 4-in. pots, $7.00 per 100; 2½-in. pots, $2.50 per 100.

SALVIA Bonfire, 2½-in. pots, $2.00 per 100; 4-in. pots, $5.00 per 100.

VERBENAS, 2½-in. pots, $2.50 per 100, $20.00 per 1000.

HELIOTROPE, 4-in., $6.00 per 100.

DRACAENA Indivisa, 5-in. pots, $20.00 per 100.

All stock in first-class condition. Ready for shipping now. Please state how you wish shipments made. Cash with order, please.

E. L. RILEY, Trenton, N. J.
R. F. D. No. 2.

Please mention the Exchange when writing.

GERANIUMS Nutt, Buchner, Ricard, Poitevine, Perkins, $10.00 per 1000, Strong, $1.50 per 100. Best bargains given. Write.

COLEUS Ver. and G. Bedder, extra strong and brightest Fancy, $5.00 per 1000. Very strong branchy from soil, $1.00 per 100.

Giant Leaved, most showy of all, 80c. per 100.

ALTERNANTHERA. Good soil plants; Fall struck, Yellow $6.00, Red Rug $7.00 per 1000.

ASTER Wonder, very large, on long stems, much earlier than Queen 40c. per ¼ oz. Seedlings of the same, 30c. per 100. Cash.

DANIEL K. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

Coleus

Per 100
10 varieties, 2¼-in. pots, April 1.....$2.00
10 varieties CANNAS, 3½-in. pots.... 4.00
ASPARAGUS Sprengeri, 2½-in. pots .. 2.00
400 ASPARAGUS plumosus nanus, 2¼-in. pots 2.00
ALTERNANTHERA, red and yellow April 1st 2.00

Cash. No C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.

Ricard, Poitevine and S. A. Nutt, ready May 15, at $10.00 per 1000.

PLUMOSUS

Fine stock from Rose pots at $25.00 per 1000; sample for 10c.

SMILAX and SPRENGERI

Ready June 1.

Smilax, $12.50 per 1000.
Sprengeri, $15.00 per 1000.

ALBERT M. HERR
LANCASTER, PA.

Please mention the Exchange when writing.

DON'T GET LEFT
Geraniums! Geraniums!

Nutt, Doyle, Buchner, La Favorite, Grant, Bruanti and others, also Rose Geraniums, $13.00 per 1000; 600 at 1000 rates.

Coleus, Rooted Cuttings, in variety, $5.00 per 1000. Verschaffelti, $8.00 per 1000.

Ageratum, Stella Gurney, Pauline and others, R. C., 60c.; 2¼-in. pots, $1.00 per 100. Heliotrope, all dark, R. C., $1.00 per 100; 2¼-in. pots, $3.00 per 100. Feverfew, Little Gem, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Achyranthes Lindeni, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Pilea, Artillery Plant, R. C., $1.00 per 100; 2¼-in. pots, $3.50 per 100. Ivy, German, 2¼-in. pots, $1.50 per 100.

Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

GERANIUMS

Nutt, Buchner and others, 2-in. pots, $2.00 per 100; 3-in. pots, $3.00 per 100; 4-in. pots, $5.00 per 100.

FUCHSIAS, SALVIAS, HELIOTROPES, DOUBLE GIANT, SWEET ALYSSUM, DOUBLE WHITE FEVERFEW, AGERATUM GURNEY, VINCA VARIEGATED, R. C., $1.00 per 100; 2-in. pots, $2.00 per 100.

ASTERS, 2-in. pots, $1.00 per 100.

VERBENAS, MARGUERITE CARNATIONS, SINGLE STAR PETUNIAS, 2-in. pots, $1.50 per 100.

COLEUS

Crimson Verschaffeltii, Golden Bedder and 15 others, R. C., 60c. per 100; $5.00 per 1000.

PANSY PLANTS

50c. and $1.00 per 100; $5.00 and $8.00 per 1000.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

GERANIUMS

RICARD, DOYLE, VIAUD
$12.00 per 1000

NUTT, BUCHNER and GRANT
$10.00 per 1000

FRED W. RITCHY, LANCASTER PA.

Please mention the Exchange when writing.

GERANIUMS

Fine, stocky plants, in bud and bloom, 4-in., Nutt, Poitevine, Ricard, La Favorite, Trego, Perkins, Jaulin, etc., $6.00 per 100.

SALVIAS, large plants from flats—Zurich, Bonfire and Splendens, 75c. per 100, $7.00 per 1000.

Dark blue HELIOTROPE and Dwarf blue LOBELIAS, large plants, from flats, 75c. per 100, $6.00 per 1000.

HILL TOP GREENHOUSES, 84 Churchill Avenue **UTICA, N. Y.**

Please mention the Exchange when writing.

GERANIUMS

S. A. Nutt, from 4-inch pots, at $6.00 per 100. Satisfaction guaranteed.

BRANT BROS., Inc., Utica, N.Y.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings: S. A. Nutt and Buchner, $10.00 per 1000.

Ricard, Poitevine, Castellane and Viaud, ready April 25th.

BEGONIAS

Extra fine transplanted plants of Gracilis Rosea, $1.00 per 100 by mail; $6.00 per 1000 by express. Fine bushy Vernon from 2-in. pots, $2.00 per 100, $18.00 per 1000, by express. Cash with order.

PETER BROWN, 124 RUBY STREET Lancaster, Pa.

Please mention the Exchange when writing.

200,000 First Class Plants

Geraniums in bud and bloom, Nutt, Buchner, Poitevine, Double Grant; Heliotrope in bloom; Lemon Verbenas; Cannas; all fine strong, 3½-4 in., $5.00 per 100. Salvia, Bonfire and Splendens, large, 3½-in., in bud, $4.00 per 100; strong 3-in., $2.50 per 100; large, 2-in., $1.75 per 100. Dreer's Superb Single Petunias, Mammoth Verbenas, Ageratum, blue, Mme. Salleroi Geranium, strong, stocky, 3-in., $2.50 per 100. Ageratum, Mme. Salleroi Geranium, Coleus, 12 varieties, strong, 2-in., $1.75 per 100, $16.00 per 1000. Geraniums, stocky, 3-in., $4.00 per 100. Dracaena Indivisa, extra large and perfect, 6-in., $4.00 per dozen. Cash.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

Rooted Cuttings

Per 100
GERANIUMS, leading varieties, R. C...$1.00
GERANIUMS, leading varieties, 2-in... 2.00
GERANIUMS, leading varieties, 3-in... 3.00
GERANIUMS, leading varieties, 4-in... 5.00
CHRYSANTHEMUMS, leading varieties R. C. 1.00
CHRYSANTHEMUMS, leading varieties 2-in. 2.00
STEVIA, leading varieties, R. C..... 1.00
STEVIA, leading varieties, 2-in..... 2.00
CANNAS, leading varieties, started.... 2.00
CANNAS, leading varieties, 3-in..... 5.00

HENRY HOLZAPFEL, Jr. HAGERSTOWN, MARYLAND

Please mention the Exchange when writing.

CARNATION CUTTINGS

My stock has not been allowed to throw over three blooms per plant and is, therefore, very vigorous, producing cuttings strong and full of life. Cuttings from such stock will produce more and better flowers next Winter than the ordinary grade from stock that has been flowered to death.

	100	1000
Harlowarden	$2.60	$20.00
Enchantress	3.00	25.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Pure White Enchantress	3.50	30.00
Winona	3.50	30.00
Beacon	3.50	30.00

250 at 1000 rate.

Cash with order, or references.

A. A. GANNETT, GENEVA, N. Y.

Please mention the Exchange when writing.

CARNATION, Beacon

From 2¼-inch pots, $35.00 per 1000

Princess of Wales Violets

Rooted Runners, $9.00 per 1000

SEA CLIFF NURSERIES, SEA CLIFF N. Y.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

CARNATIONS

Rooted Cuttings.

Large, strong, well rooted, absolutely no disease, taken from plants grown especially for stock and rooted in a cool house. These will make plants quickly and cannot fail to please you.

	100	1000
Enchantress	$3.00	$25.00
Pure White Enchantress	3.50	30.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Winona	3.50	30.00
Beacon	3.50	30.00
Winsor	3.00	25.00
Harlowarden	2.50	20.00

Cash with order. 250 at 1000 rates.

SMITH & GANNETT, Geneva, N. Y.

SHASTA

Our new white carnation, ready now at $12.00 per 100; $100.00 per 1000. The biggest paying White Carnation you ever saw. We are shipping fine, well rooted cuttings.

BAUR & SMITH, Indianapolis, Ind.

CARNATIONS

Rooted Cuttings

Mrs. C. W. Ward, $12.00 per 100, $100.00 per 1000.

Alma Ward, $15.00 per 100, $125.00 per 1000.

Mrs. J. C. Vaughan, Bay State and Georgia, $6.00 per 100, $50.00 per 1000.

Robert Craig, Afterglow and Harlowarden, $3.50 per 100, $30.00 per 1000.

New crop. Early Flowering Single Chrysanthemum Seed and Gold Medal Pentstemons, at 25c. and $1.00 per package.

CHAS. H. TOTTY
MADISON, N. J.

Please mention the Exchange when writing.

Rooted Carnation Cuttings

	Per 100	Per 1000
White Perfection	$2.50	$20.00
Enchantress	2.50	20.00
Winsor	2.50	20.00
Mrs. Patten	2.50	20.00
Harry Fenn	2.00	16.00

Chrysanthemum Stock, 2¼-in. pots

PINK	Per 100
A. J. Balfour	$2.50
Glory of Pacific	2.50
Maud Dean	2.50
Pink Ivory	2.50
YELLOW	
Col. Appleton	$2.50
Gold Mine	3.00
Monrovia	3.00
Major Bonnaffon	2.50
October Sunshine	2.50
Yellow Eaton	3.00
WHITE	
Alice Byron	$2.50
Jeanne Nonin	2.50
Ivory	2.25
Mrs. H. Robinson	2.50
Beatrice May	3.00
Polly Rose	2.50
Timothy Eaton	2.50
White Dean	3.00
Yanoma	3.00
CRIMSON	
Black Hawk	$2.50
John Shrimpton	2.50
SINGLES	
Rob Roy	$10.00
Anna Spangle	10.00
Irene Cragg	10.00

EDWARD J. TAYLOR,
GREEN'S FARMS, CONN.

THREE NEW CARNATIONS

CONQUEST	SANGAMO	MARY TOLMAN
Fancy overlaid pink	Brilliant pink	Deep flesh pink

$12.00 per 100; $100.00 per 1000

CHICAGO CARNATION COMPANY, A. T. PYFER, Mgr., **Joliet, Illinois**

Please mention the Exchange when writing.

Dreer's Select Potted Roses

FOR OUTDOOR PLANTING

The Roses here offered are field grown plants which have been potted into 5 or 6 inch pots (according to the growth of the variety) during the winter months. They have been stored in cold houses and cold frames and are in the best possible condition to turn over to your retail customers for outdoor planting, giving an entirely different result from stock carried over winter in storage. For best results the plants should be shipped in pots; in this shape they will carry safely to reasonable distances by freight.

Hybrid-Tea and Other Everblooming Varieties

Two-Year-Old Plants
5 and 6 inch Pots

	Per 100
Antoine Rivoire	$30.00
Belle Siebrecht	30.00
Bessie Brown	30.00
Bon Silene	25.00
Clothilde Soupert	30.00
Caroline Testout	25.00
Catherine Mermet	25.00
Comtesse Riza du Parc	25.00
Corallina	30.00
Duchesse de Brabant	25.00
Earl of Warwick	30.00
Etoile de Lyon	25.00
Franz Deegen	30.00
Farben Konigin	30.00
Francisca Kruger	25.00
Gruss an Teplitz	25.00
Grace Darling	30.00
Gladys Harkness	30.00
G. Nabonnand	25.00
Hermosa	20.00
Hon. Edith Gifford	30.00
Joseph Hill	30.00
Kaiserin Augusta Victoria	25.00
Killarney	25.00
Lady Ashtown	30.00
La Tosca	30.00
La France	25.00
La Detroit	30.00
Lady Battersea	30.00
Liberty	30.00
Maman Cochet Pink	25.00
Maman Cochet White	25.00
Marie Van Houtte	25.00
Mrs. B. R. Cant	20.00
Mildred Grant	30.00
Mme. Abel Chatenay	30.00
Mme. Hoste	25.00
Mme. Joseph Schwartz	20.00
Mme. Jules Grolez	30.00
Mme. Margottin	25.00
Mme. Ravary	30.00
Mme. de Watteville	25.00
Mme. Welche	25.00
Papa Gontier	25.00
Perle des Jardins	30.00
Pharisaer	30.00
Prince de Bulgarie	30.00
Queen's Scarlet, or Agrippina	20.00
Richmond	30.00
Souvenir de Catherine Guillot	30.00
Souvenir de President Carnot	30.00
Souvenir de la Malmaison	25.00
Souvenir de Pierre Notting	30.00
Safrano	25.00
Sunset	30.00
Viscountess Folkestone	30.00

Hybrid-Tea Roses

Novelties and Recent Introductions

The Gems of the new varieties introduced in recent years. A few of these planted in your own borders will prove interesting during the entire season.

All in Strong Two-Year-Old Plants

	Each
Betty. (Dickson 1905)	$0.35
Countess of Gosford (McGredy 1906)	.40
Chateau de Clos Vougeot (Pernet Ducher 1908)	.75
Dorothy Page Roberts (Dickson 1907)	.75
Dr. J. Campbell Hall (Dickson 1904)	.50
Duchess of Wellington (Dickson 1909)	2.00

Hybrid Tea Rose Betty

	Each
Dean Hole (Dickson 1904)	$0.50
Elizabeth Barnes (Dickson 1907)	.75
Geo. C. Waud (Dickson 1908)	1.00
Grace Molyneux (Dickson 1908)	1.00
John Cuff (Dickson 1908)	1.00
Hon. Ina Bingham (Dickson 1905)	.50
Lady Ursula (Dickson 1908)	1.00
Lady Faire (Bentley 1906)	.50
Laurent Carle (Pernet Ducher 1907)	1.00
Mary Countess of Ilchester (Dickson 1909)	2.00
Margaret Molyneux (Dickson 1909)	2.00
Mons. Paul Lede (Pernet Ducher 1903)	.50
Mrs. Arthur Robert Waddell (Pernet Ducher 1907)	.75
Mrs. Aaron Ward (Pernet Ducher 1907)	.65
Mme. Leon Paine (Guillot 1904)	.75
Mme. Maurice de Luze (Pernet Ducher 1907)	.75
Papa Lambert (Lambert 1900)	.35
Queen of Spain (Bide 1907)	.75
Rhea Reid (Hill 1908)	.30
Walter Speed (Dickson 1909)	2.00
White Killarney (Scott 1909)	.30
William Shean (Dickson 1906)	.75
The Lyon (Pernet Ducher 1907)	.90

New Tea Roses

	Each
Harry Kirk (Dickson 1907)	$0.90
Hugo Roller (Paul 1907)	.50
Molly Sharman Crawford (Dickson 1908)	1.00

Hybrid Perpetual, Moss and Other Hardy Roses

Strong two-year-old Plants, nearly all in 6-inch pots.

	Per 100
Alfred Colomb	$25.00
Anna de Diesbach	25.00
Alfred K. Williams	25.00
American Beauty	25.00
Blanche Moreau	25.00
Baroness Rothschild	25.00
Baron de Bonstettin	25.00
Camille Bernardin	25.00
Capt. Christy	25.00

HARDY ROSES (Continued).

	Per 100
Crested Moss	$25.00
Comtesse de Murinais	25.00
Captain Hayward	25.00
Common Provence or Damask	25.00
Clio	25.00
Charles Lefebvre	25.00
Crimson Globe	25.00
Duke of Edinburgh	25.00
Earl of Dufferin	25.00
Fisher Holmes	25.00
Francois Michelon	25.00
Fran Karl Druschki	25.00
General Jacqueminot	25.00
Gloire de Margottin	25.00
Gloire de Lyonnaise	25.00
Her Majesty	30.00
Hugh Dickson	25.00
Jean Liabaud	25.00
Louis Van Houtte	25.00
Magna Charta	30.00
Mrs. R. G. Sharman Crawford	25.00
Mrs. John Laing	25.00
Mme. Plantier	20.00
Mme. Victor Verdier	25.00
Mme. Gabrielle Luizet	25.00
Marie Baumann	25.00
Princess Adelaide	25.00
Paul Neyron	25.00
Prince Camille de Rohan	25.00
Queen of Queens	25.00
Rodocanachi	25.00
Rugosa Nova Zembla	25.00
Rugosa Blanc Double D'Courbet	25.00
Rugosa, Red	18.00
Rugosa, White	18.00
Soliel d'Or	30.00
Tom Wood	25.00
Ulrich Brunner	25.00
Victor Verdier	25.00
White Baroness	25.00
White Provence	25.00

Rambler, Climbing and Trailing Roses

	Per 100
Baltimore Belle	$20.00
Climbing Clothilde Soupert	20.00
Climbing Devoniensis	30.00
Crimson Rambler	20.00
Dorothy Perkins	20.00
Flower of Fairfield	50.00
Gloire de Dijon	25.00
Hiawatha	30.00
Lady Gay	20.00
Marechal Niel	30.00
Philadelphia Rambler	20.00
Prairie Queen	20.00
Reine Marie Henriette	30.00
Sweet Brier	15.00
Sweet Brier Lord Penzance	25.00
Sweet Brier Lady Penzance	25.00
Sweet Brier Meg. Merriles	25.00
Sweet Brier Anne of Giersteig	25.00
Sweet Brier Brenda	25.00
Tausendschon	30.00
Trier	25.00
White Microphylla	20.00
White Dorothy	50.00
Wichuraiana Evergreen Gem	20.00
Wichuraiana Gardenia	20.00
Wichuraiana Pink Roamer	20.00
Wichuraiana South Orange Perfection	20.00
Wichuraiana Triumph	20.00
Wichuraiana Universal Favorite	20.00
Yellow Rambler	20.00

Baby Rambler Roses

	Per 100
Crimson	$20.00
White	20.00
Pink	25.00

HENRY A. DREER, Inc., 714 Chestnut Street Philadelphia, Pa.

NOTE—These Prices Are for The Trade Only

Please mention the Exchange when writing.

Lime Sulphur Washes and San Jose Scale

This pest can be controlled best by thorough applications of a lime-sulphur wash prior to the buds opening, or at least before the young apple leaves are half an inch long.

HOME BOILED WASH.—This has been well tested and may be made by putting a few pails of water in a large, iron kettle, over a fire; bring it nearly to a boil, then add thereto 20 lbs. of lime, followed at once by 15 lbs. of sulphur; stir thoroughly and repeat occasionally to prevent the material from caking on the bottom. Some prefer to moisten the sulphur before adding it to the lime. After 30 to 60 minutes of active boiling, a deep brick red color should be obtained in the clear solution. Stir thoroughly and strain the wash through coarse burlap or a fine wire netting. This wash can be boiled equally well with steam, provided the latter is piped down close to the bottom, so as to keep the sediment well stirred. The washes boiled with caustic potash (lye) or sal soda, instead of fire or steam, are good if they are carefully prepared.

HOME MADE CONCENTRATED WASH.—A very satisfactory wash may be made by slaking 60 lbs. of lime in a large cooking vessel and stirring therein 125 lbs. of sulphur, previously made into a paste; add enough water to make 45 gals., and boil rapidly one or two hours. After standing, draw off the clear liquid and dilute to 50 gals. This wash may be kept indefinitely if protected from the air. It should test at least 25° on the Beaume scale, and previous to application may be diluted to 4.5°. This wash has been used the past few years with excellent results in the main, and is a great improvement over the older wash, since there is no danger of the lime sulphides crystalizing.

COMMERCIAL CONCENTRATED WASHES.—These are now on the market under various trade names. The standard washes should test from 32° to 34° Beaume and prior to application may be diluted to 4.5° or approximately 1 to 8. Purchase only the clear liquid, since the sediment has little value as an insecticide. Test carefully, because a variation of even 1° materially affects the value of the wash. Accurate Beaume hydrometers may be purchased from Bausch & Lomb, Rochester, N. Y. and Eimer & Amend, New York City.

MATERIALS.—The powdered commercial sulphur or a sulphur flour is as effective as the more costly and finer flowers of sulphur. Use only good stone lime which will slake readily and leave very little or no sediment. Magnesium lime should be avoided. Generally speaking, the efficacy of the wash is proportional to the lime and sulphur brought into solution, or inversely so to the sediment remaining. E. P. FELT,

Albany, N. Y. State Entomologist.

Hardy Climbers, Etc.

Mr. Florist, we suggest these to you to make sales. Do the same to your customers—it will pay us both.

AMPELOPSIS Strong Dutch-Grown

Ampelopsis Veitchii (Boston Ivy). Extra-strong imported vines, 3-year-old. $1.25 for 10, $12 per 100.

Ampelopsis Veitchii robusta. A very compact-growing variety of the well-known Boston Ivy, and very highly recommended to us; will undoubtedly take the place of the ordinary Veitchii in the near future. $1.75 for 10, $15.00 per 100.

Quinquefolia (American Ivy, or Virginia Creeper). Good for covering walls, verandas, or trunks of trees; affords shade quickly. 25 cts. each, $1.75 for 10, $15.00 per 100.

CLEMATIS

Henryi. Pure white; extra large.
Alba. White.
Jackmanni. Purple.
Sieboldi. Lavender.
Ville de Lyon. Brilliant carmine-red; as good as Mme. Edouard Andre, but contrary to this one, is very free-growing.
Extra-strong plants, 30c. each, $2.75 for 10, $25.00 per 100.
Clematis paniculata. Strong, 2-year-old plants, $2.00 per doz., $15.00 per 100.

ACTINIDIA ARGUTA

A desirable Japanese climber of strong, vigorous growth, with dark green, shining foliage and white flowers with purple centers, which are followed by clusters of edible fruit. An excellent plant for covering arbors, trellises, etc., where a rapid and dense growth is desired. Strong plants, 25c. each, $2.50 per doz.

BIGNONIA (Trumpet Creeper)

Radicans. Dark red, orange throat; free-blooming and very hardy. 20c. each, $2.00 per doz.

ARISTOLOCHIA SIPHO

Dutchman's Pipe. Strong, field-grown, 3 to 4 feet. 35c. each, $3.25 for 10, $30.00 per 100.

WISTARIA SINENSIS
Extra Strong, Field-Grown

Blue, 6 to 7 feet, 40c. each, $3.75 for 10, $35.00 per 100.
White, 6 to 7 feet, 40c. each, $3.75 for 10, $35.00 per 100.

HONEYSUCKLE

Very extra-strong, Holland field-grown plants, 6 to 8 feet long, many branches.
Halliana. Yellow, $3.25 for 10, $30 per 100.

HYDRANGEA PANICULATA GRANDIFLORA

Two-year-old, 3 to 4 branches. Busby, $1.50 per doz., $10 per 100.

ARTHUR T. BODDINGTON, Seedsman 342 W. 14th Street NEW YORK CITY

Please mention the Exchange when writing.

Look—Bargains!

Bedding Plants

For immediate shipment—now ready

CANNAS, ELSELE, 4 in., $8 per 100; English Ivy, 4 in., $1.00.

BEGONIA ERFORDI, new improved variety, 4 in. pots, $8.00 per 100.

BEGONIA VERNON, dark red, improved type, 4 in., $7.00 to $8.00 per 100.

SCARLET SAGE, Clara Bedman or Bonfire, 4 in., $7.00 per 100.

AGERATUM, dwarf, best blue, 4 in. pots, $6.00 per 100.

LEMON VERBENAS, 4 in., $7.00 per 100.

HELIOTROPE, blue, 4 in. pots, $7.00 per 100.

FUCHSIAS, assorted colors, 4 in., $7.00 per 100.

PETUNIAS, double, assorted colors, 4 in., $7.00 per 100.

LANTANAS, assorted colors, 4 in., $7.00 per 100.

Small plants, 2½ to 3-in., $3.00 per 100:

VERBENAS, assorted colors, **PHLOX DRUMMONDI,** dwarf or grandiflora, French dwarf **TAGETES** (the Queen of Marigolds), **COSMOS,** assorted; **COLEUS, Verschaffeltii, Queen Victoria** and **Golden Bedder** (fancy colors, $4.00 per 100); **PETUNIA, California Giant** and **Dwarf Inimitable; NASTURTIUMS** (dwarf); **SWEET ALYSSUM, Little Gem** or **Carpet of Snow; TRADESCANTIA, THUNBERGIA** (Black-Eyed Susan); **MAURANDIA Barclayana; IBERIS** or **CANDY-TUFT, CORN FLOWERS; SALPIGLOSSIS; LOBELIA, Crystal Palace** (blue), dwarf or trailing; **DUSTY MILLER** or **CENTAUREA Gymnocarpa.**

PRIMULA Obconica, 5-in., in bloom, $2.00 per doz.

DRACAENA Indivisa, 5 to 5½-in., 25c.

KENTIA Forsteriana and **Belmoreana,** 4-in. 20c.; **Belmoreana,** 3-in. 10c.; **Forsteriana,** 6-7 in., 40-50-60 in. high, $2.00, $2.50, $3.00 each.

CYCAS Revoluta, or **Sago Palms,** clumps from 3 to 10 lbs., 10c. a lb.

25 plants at 100 rate.

Don't forget we are the wholesale growers and shippers of the genuine **MOON VINE,** the **Ipomoea Noctiflora,** for which we have had, for the last 25 years, a world-wide reputation. A rapid grower; grows in one season 50 ft. and over with thousands of pure white, waxy, fragrant flowers as big as a saucer. We ship 25,000 every season to every state in the Union, Canada and Mexico. 2½-in. pots, $5.00 per 100; 3-in., staked up, $8.00 per 100; 4-in., staked up, $12.00 per 100.

Watch our "ads" for **ARAUCARIA Excelsa, Compacta** and **Glauca.** First shipment, about 6000, will arrive from Belgium about May 10.

All plants must travel at purchasers' risk.

Cash with order, please.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

ROSES FROM 2½-INCH POTS

Fine, Clean, Strong, Well-Rooted Stock

	100	1000		100	1000
My Maryland	$6.00	$50.00	Bridesmaid	$3.00	$25.00
Chatenay	3.00	25.00	Uncle John	4.00	35.00
			Ivory	4.00	35.00

PETER REINBERG, 35 Randolph Street CHICAGO

Please mention the Exchange when writing.

Nassau County (N. Y.) Hort. Soc.

A lively meeting of this Society was held on Wednesday, April 13, President Duthie in the chair. Mrs. D. G. Geddes was elected an honorary member. The winners of the monthly competition were G. Wilson for the best Cineraria and V. Cleres for the best vase of Antirrhinums. Cultural certificates were awarded to E. Fardel for a vase of Ranunculus, also three fine plants of Boddington's Matchless Calceolaria Hybrida. Paul Reid for a Geranium, also a seedling Geranium and climbing Rose Hiawatha. Honorable mention to I. Barton for Spinach, to H. Gaut for Petunias, Stocks and Peas, to V. Cleres for Carnations, and to F. Petroccia for Mushrooms. A very interesting test of Aphine was made during the afternoon. White fly, green fly, aphis, mealy bug, lice and scale all succumbed to a dose of the solution without any injury to the foliage or flower treated. A Pelargonium bloom dipped into the undiluted solution was not injured in the least. It was a very successful test. Henry F. Matz of Glen Cove has secured the agency for this vicinity and will no doubt receive many orders. J. F. Johnston read a very interesting essay on "Evergreens," and was well applauded.

OSCAR E. ADDOR.

Yonkers (N. Y.) Hort. Society

A very interesting meeting of this Society was held in Wiggins Hall on Friday evening, April 15, with Pres. Bennett in the chair, and about forty members present. Six new members were admitted and a number of applications for membership received. The executive committee in reporting on the June show stated that prizes had been donated for all the classes, also three specials, one of them being $25 by the Yonkers Nursery Co., to be used as the Society thought best. The schedule of the Fall Show was submitted and read, and after some discussion adopted. There are 65 classes in all. The prizes offered by Vice-president Cochrane and Louis Melliot were very keenly contested for, and the judges decided in the following manner: First, H Nichols, for a vase of Antirrhinum; second, J. Goff, for Pandanus Veitchii; third, H. Scott, for a vase of Hydrangea Otaksa. The judges were W. H. Waite, E. Berger and W. Shepard. During the discussion of exhibits Mr. Nichols explained how he grew such fine Antirrhinums, and Mr. Goff told of his production of the Pandanus. Prizes for the next meeting were offered by J. Houghton and Mr. Knapper. Mr. Nichols read a very interesting and instructive paper on "The Vegetable Garden," giving his ideas on preparing the soil, time of planting the different seds, and the best varieties for this locality. After the reading a discussion was indulged in by the members. Mr. Frankel, of the Standard Nitrogen Co., was present, and explained the use of the company's different fertilizers, and spoke of the benefit to be derived by using its concentrated nitrogen and inoculated humus. The next meeting will be held on Friday, May 6.

LEE WHITMAN, Cor. Sec.

New Haven Horticultural Society

The regular monthly meeting of this Association was held at its rooms, 400 There was a large attendance of the members and a very interesting meeting was the result.

The Society has grown very rapidly the past two years and a great deal of credit for this belongs to our past president, John H. Murray, through his hard and energetic work, especially in connection with our last Fall show, which was unanimously proclaimed by our members the best we have ever had.

This year we have elected as our president John N. Champion, one of the largest florists in New Haven, to carry on the good work. Mr. Champion is a hustler and already the board of managers has finished its preliminary work for our next show in November. The president has also arranged to have a paper read at every meeting this year by prominent men; the subjects will be announced later.

Great interest is being taken in the amateur garden and window box competition; last year this feature was a great success and, judging by the number of entries received to date, it promises to be quite interesting. The judges have been appointed and will begin their work in May.

Our genial secretary, Fred. Wurty, has earned the goodwill of the members through his energetic work in that position.

Mr. Slocum, one of our most successful growers, has returned from Europe, and we expect a very interesting talk from him at our next meeting.

J. C. MORTON.

Buffalo Florists' Club

A special meeting of the Buffalo Florists' Club was held at Kasting's Hall, April 12, at which it was decided to hold a flower show in the Fall. It is proposed to make this one of the greatest and most uptodate shows Buffalo has ever had. A most able committee has been appointed to arrange all the details, and a report is expected from them at the next regular meeting, May 3. At that meeting, Charles Guenther will read a paper on "Summer Roses," and it is expected that George McClure, Jr., will be prepared with criticism on the paper recently read by R. A. Slattery on "Color Harmony."

WM. LEGG, Secretary.

Morris Co. (N. J.) G. and F. Society

"Rose Night," April 13, brought out a large attendance of the members of this Society. There were no novelties in Roses shown; the standard of the commercial Rose around Madison is usually such that unless a novelty is at its very best there would be no use in exhibiting it. Joseph F. Ruzicka of the L. A. Noe establishment brought down some grand vases of American Beauty, Bride, Bridesmaid and Killarney Roses, which were worthily given cultural certificates. Wm. Mühlmichel, grower for Chas. A. Work, showed Richmond and My Maryland about as fine as was ever seen here. A cultural certificate was awarded him. H. B. Vyse exhibited some magnificent specimens of single stemmed Hydrangea Hortensia. Mr. Vyse is a very successful grower of the Hydrangea in this form and brings lots of them in for Easter.

The next meeting will be on May 11, and the Rose growers are to take charge of it and arrange the Rose section for the final schedule. We want to get as many Rose growers as possible to assist in the making up of the lists, for no one knows what they want as well as themselves. Very satisfactory progress is being made by the committee in charge of the coming flower show. It has offers of support in the way of exhibits from most of the societies from Philadelphia to Boston, and if they all respond as they promise Morristown will have a show worth going a long way to see. The Whippany Club is amply spacious to take care of every exhibit that comes. No more suitable place could have been chosen in all New Jersey.

E. R.

St. Louis Florists' Club

Held its regular monthly meeting Thursday, April 14, in Odd Fellows' Building. The meeting, as was expected, was not well attended owing to the busy season among the greenhouse men. Secretary Beneke stated that all the April meetings previous to this one were also shy on attendance. There were quite a few outoftown members present.

President Windler stated there was much important business to transact which required a better attendance, so, after the preliminary opening business, it was voted to lay these matters over until the May meeting. Several committees failed to report and they, too, were given until the May meeting.

On vote the secretary was instructed to send a letter of sympathy to Mr. W. J. Vesey, Fort Wayne, Ind., on the death of his wife, who was well known to all the members of the Club.

Trustees will, at the next meeting, talk "picnic." This yearly outing will, as usual, take place in July, and will likely be held on the East side, near Belleville.

The chair called for a review of the Easter business and questions. This is always a pleasing feature of these April meetings and interesting points are always brought out.

The meeting then adjourned until May 12.

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	Per 100
SNOW QUEEN	$2.50
WHITE IVORY	2.00
C. TOUSET	2.00
YELLOW	
MONROVIA	2.00
ROBT. HALLIDAY	2.50
GOLDEN BEAUTY	2.50
GOLDEN GLOW	3.00

PINK	Per 100
PINK IVORY	$2.00
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DR. ENGUEHARD	2.00
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Pink: Amorita (very early), Glory of the Pacific, M. Dean, Mary Mann, Rosette, P. Ivory.
Yellow: Golden Glow (very early), M. Bonnaffon, Y. Eaton, Cremo, Robt. Halliday, Golden Eagle, Yellow Jones, Golden Baby.

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900 SMILAX, 2-in., if taken at once, $10.00 for the lot.

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Polly Rose, Dr. Enguehard, 2¼-in., $2.50 per 100, $20.00 per 1000.
AGERATUM, Stella Gurney, 2¼-in., $2.00 per 100.
SMILAX SEEDLINGS, 50c. per 100, $4.00 per 1000.

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October Frost (500 for $9.00)	$2.00	$15.00	$2.50	$17.50
White Seedling No. 1	5.00	40.00	6.00	50.00
White Seedling No. 2	8.00	75.00	9.00	80.00
Virginia Poehlmann	3.00	25.00	4.00	35.00
Alice Roosevelt	3.00	25.00	4.00	35.00
Alice Byron	2.00	15.00	2.50	20.00
Minnie Wanamaker	2.00	15.00	2.50	20.00
Nonin	2.00	15.00	2.50	20.00
White Bonnaffon	2.00	15.00	2.50	20.00
Yanoma	4.00	30.00	5.00	45.00
John Burton (late)	4.00	30.00	5.00	45.00
Chadwick	3.00	25.00	4.00	35.00
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Lynwood Hall	5.00	40.00	6.00	50.00
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Golden Glow (500 for $9.00.)	2.00	15.00	2.50	17.50
Monrovia	2.00	15.00	2.50	20.00
Appleton	2.00	15.00	2.50	20.00
Maj. Bonnaffon	2.00	15.00	2.50	20.00
Golden Eagle (new)	4.00	35.00	5.00	45.00
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Mrs. W. E. Kelley (new)	10.00		12.00	
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Baby (Pompon)	5.00		6.00	
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Rosiere	2.00	15.00	2.50	20.00
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NEW YORK, April 20.—Saturday night found the market with considerable stock unsold, and Sunday morning did not very materially help the situation. On Monday, Tuesday and Wednesday there were about the usual arrivals of flowers, but sales on these days were increasingly slow, and prices consequently took a drop. The street men are having their chance again, and even the aristocratic Gardenia has fallen into their hands. Violets are now out of the market and Sweet Peas are still somewhat scarce. Of everything else there is more than enough to go around.

Roses especially have taken a tumble. Special American Beauty with difficulty realizes 25c. each for the very best, and the lower grades are way down. A few exceptionally good Killarney sell at 8c. in small transactions, but few sales are made at a price above 6c. for the best grades. My Maryland seems to be growing in favor, and notwithstanding the slump realizes, on small sales, 10c. for top grades, and Richmond the same price. Special Bride and Bridesmaid reach only the 5c. mark.

Gardenias find few buyers. About $1.50 per dozen is the best price for the best grade on the market. Lilies are no longer abundant, but the demand is small and for best grades 5c. is the price. Top grade Callas realize 8c., but most sales are around the 4c. mark. The supply of Cattleyas is sufficient and prices remain about the same as last week.

The supply of Carnations is more than the market demands, and the quality is not over good. Very few, if any, sales are made at over $2 per 100.

The best grade Sweet Peas realize $1 per dozen bunches. Miscellaneous and and bulbous stock is moving very slowly. A still further downward movement in prices before the end of the week seems inevitable.

PHILADELPHIA, April 18.—The sales of last Friday and Saturday were sufficiently brisk so that Saturday night found the market, generally, pretty well cleaned up. The rain of Monday forenoon curtailed sales somewhat during the early part of the day, but with clearing weather in the afternoon conditions improved somewhat, though in the general round up at night sales were found hardly up to those for a normal Monday. The supply of flowers is coming in sufficient quantities to easily meet all demands, excepting a slight shortage in Sweet Peas, good Smilax and Dagger Ferns. Lilies and Callas are no longer so much in evidence, and bulbous stock is receiving small attention.

The supply of American Beauty Roses is sufficient, and $3 per dozen is the best price realized on specials. The best grade flowers of Killarney are selling for 8c. each, and special Bride and Bridesmaid at the same price. Richmond is no longer so much in demand and little is moved above the 8c. mark. Some top grade My Maryland realizes 10c. and Mrs. Jardine 15c. each.

The fancy grades of Carnations realize 3c. each, but most transactions are around the 2c. mark.

Best grades of Gardenias sell in small quantities at $3 per dozen, but most sales are at a much lower mark. Lilies, which are no longer in over supply, realize 6c. each for top grade, with Callas a trifle in advance of that figure. Lily of the Valley is moving easily at 3c. for best grade.

Sweet Peas are off crop, and 75c. per 100 is readily obtained for the best. Snapdragons still sell well at $1 to $2 per dozen. Miscellaneous stock finds buyers only at moderate prices.

It is the general consensus of opinion among the wholesale and commission men that sales at present are certainly not above the normal point for this season of the year.

BOSTON, April 19.—Business is much better this week. There is a slight shortage of crops, cooler weather and a little better demand, conditions which have helped to make business better. There is very little surplus of any kind. Roses are not quite as plentiful as they have been and this has helped to keep the prices from sagging any more. Good quality flowers with long stems bring fairly good prices. Carnots are plentiful, Maryland is abundant, and Mrs. Aaron Ward is in great evidence in the best retail stores.

Carnations are not as plentiful as they have been for the past two weeks but there is an abundance to supply the demand. The quality of the flowers still continues good and prices run from $1 to $3 per 100.

Sweet Peas are not quite as plentiful, and long-stemmed flowers bring fairly good prices. Lilies, longiflorum types, are not much sought. Lilium candidum is in good demand and brings 4c. per flower. Antirrhinums are still plentiful but the quality is not as good as we have seen it a few weeks ago. Callas are plentiful. Spanish Irises are just coming into the market and are of fine quality; they sell for $6 per 100. Bulbous stock, such as Daffodils and Tulips, is in abundance and bring from $1 to $1.50 per 100. Lily of the Valley of good quality goes at $2 to $3 per 100, Narcissus poeticus is selling for 50c. to $1 per 100. Marguerites are in good supply; yellow is the favorite color and sells better than the white. Asparagus Sprengeri and plumosus are still scarce. Adiantum is also scarce and of very poor quality. Other green goods are plentiful. R. C.

CHICAGO, April 19.—While in many respects the market conditions are better than a week ago, stock shortening up decidedly, prices have not advanced in a single instance, and at this writing business is very quiet in all respects. The weather turning so extremely cold the past few days has in a way been a great factor in relieving the market of all surplus stock. The outdoor Spring flowers have been affected in many localities through the cold rains that we have experienced, and there is very little chance of a glut of this stock, such as is always felt at the time they are in season. Lilacs from Chicago and suburbs are already offered for sale, being but a very few days behind the stock from the southern part of the State.

American Beauty Roses, while not in over abundance are sufficient in quantity to supply the demand. The best meet with a ready demand and the rest drag. Prices hold at $3 per doz. for first class, other grades bring prices according to quality. The same applies to all other varieties of Roses, with the exception of best grades of Killarney and Richmond, which bring from $6 to $8 per 100, and in a few exceptional cases $10 for extra fine is obtained. Bride and Bridesmaid and other kinds at $3 to $6 is a fair range of prices.

Carnations are still plentiful enough to meet all requirements and are even disposed of at less than quoted prices to get rid of them. The fancy grades hold at $2 and $3 per 100 for shipping orders; fine stock can be had for $1.50 to $1.75. The supply of Lilies has shortened perceptibly, but there is no change in the price, $6 to $8 per 100 being hard to realize. Sweet Peas still continue in active demand and the quality is good; the quantity could be much greater and still meet with a ready sale. Gladioli are in evidence, several of the houses being in receipt of some exceptionally fine spikes in several varieties. While not really in quantity enough to quote, $2 per doz. is being asked for the best. Bulbous stock is confined to Tulips and Jonquils, but an overabundant supply of even these flowers is not to be found at this date. Iris and Stocks, with Gillias are still seen, with an accumulation of miscellaneous stock that practically stands still.

Orchids and Gardenias continue to meet with favor for wedding occasions, and Orange blossoms are looking up in some instances.

Green goods remain as usual, always in demand for certain purposes, although it appears that not so much stock of good quality is available. Ferns continue in the same bad condition having to be sorted after receiving before salable.

The condition of the market is not discouraging to the commission men, as business is usually at a standstill at this season.

INDIANAPOLIS, April 18.—A noticeable difference was caused in the supply of flowers throughout last week because of the large amount of field grown flowers obtainable. Prices had a downward tendency and stock was often disposed of at a small margin to effect a clearance. Those fortunate enough to be busied with quantities of funeral work made a profitable week of it, although this portion of the business was exceptionally light. Counter trade has been good of late, there being many calls for social occasions as well as for the hospitals and sick room.

Tomlinson Hall Market looked more like a holiday period as the florists and also the vegetable gardeners brought in profuse quantities of stock; everything, from the old fashioned Daisy to the choicest cut flowers was represented.

Carnations are once more offered instead of called for at $2 to $4 per 100; 75c. per doz. is the customary retail figure.

Eastern Violets arrive in an indifferent condition; but few of them are being retailed at $1 to $1.50 per 100. Sweet Peas are evidently more to the public's notion as they sell far better at the same price.

Harrisii Lilies and Callas, nice large vases of them, make taking window displays; $10 to $12.50 per 100 is asked by the growers, $3 per doz. by the shopmen.

Orchids are not such good property in the Spring months; it takes diplomacy to replace Spring flowers with them. Some excellent Cattleyas, grown in this vicinity, sell at 35c. to 40c. each.

Offers received from surrounding Rose centers indicate a decline in price. Good Bride and Bridesmaid are wholesaled at $5 to $7 per 100. Select Killarney are not always to be had at $6 to $10. Am. Beauty sell slowly at $5 to $35 per 100 wholesale; $1 to $9 per doz. retail.

Dogwood blossoms, also Crab Apple, are in full bloom and form an artistic decoration in the downtown windows.

Potted Roses of various kinds are an addition to the plant supply. This portion of the trade has been good of late and each day the best specimens are readily disposed of. I. B.

ST LOUIS, April 18.—The report of the flower market for this week is not very encouraging. Since my last report trade has decreased somewhat and prices at the commission houses are almost cut in half. The slow business caused a small glut in Carnations; the consignments in these were heavy and first-class stock sold at $10 per 1000 in all colors. Funeral work, alone, helped to dispose of the bulk of the lighter shades. Roses, too, were most plentiful and sold cheaply. Fancy long American Beauty went down to $2.50 per doz., and others according to length of stem. In the smaller Roses the prices ranged from $2 to $6 per 100. It is only fair to say the commission men had to lump the stock and sell cheaply to dispose of most of their consignments.

In the bulb line, Lilies sold as low as $5 and $6 per 100. Lily of the Valley is of extra good quality and brings only $3 per 100. The market is not overstocked in Tulips, Dutch Hyacinths and Sweet Peas; these sell pretty well when of first grade.

The last Violets for this season were seen last week.

The above prices are for the week of the 11th.

The cold weather, with snow this Monday morning (April 18), will, no doubt, send the prices up a little for this week; that is, if the retail business picks up. ST. PATRICK.

Catalogs Received

M. RUMELY CO., La Porte, Ind.—Annual Catalog No. 58 of Machinery for Plowing, Hulling and Threshing. To those of our subscribers who are also farmers or large planters, a copy of this catalog would prove intensely interesting.

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PHILIP F. KESSLER Commission Dealer in Cut Flowers
Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
55 & 57 W. 26th St., New York City
FINEST CALLAS AND LILIES EVERY DAY IN THE YEAR
Tel. 5243 and 2921 Madison Square. Residence, 345 J. Newtown.

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, April 20th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—		**CARNATIONS—**	
A. Beauty fancy—special	15.00 to 25.00	Inferior grades, all colors	.75 to 1.00
" extra	8.00 to 10.00	White	1.00 to 1.50
" No. 1	6.00 to 8.00	Standard Pinks	1.00 to 1.50
" No. 2	3.00 to 5.00	Varieties Red	1.00 to 1.50
" No. 3	2.00 to 3.00	Yel. & Var.	1.00 to 1.50
Killarney	.75 to 6.00	*Fancy White	1.50 to 2.00
White Killarney	.75 to 6.00	(* The highest grades of Sta'd Pinks	1.50 to 2.00
My Maryland	1.00 to 10.00	varieties) Red	1.50 to 2.00
Richmond	1.00 to 10.00	Yel. & Var.	1.50 to 2.00
Mme. Abel Chatenay	.... to	Novelties	.... to ....
Golden Gate	.... to	Gardenias, per doz.	.50 to 1.50
Bride, Maid, fancy—spec.	3.00 to 5.00	Lilac, per bunch	.25 to .50
" extra	2.00 to 3.00	Lilies, Harrisii and Longi.	1.00 to 5.00
" No. 1	.75 to 1.00	Lily of the Valley	2.00 to 3.00
" No. 2	.... to	Mignonette, per doz.	.05 to .25
Adiantum	.... to 1.00	Narcissus	.50 to 1.00
Crowsanum	.... to 1.00	Orchids, Cattleyas	50.00 to 60.00
Antirrhinum (per bunch)	.50 to 1.50	Cypripediums, per doz.	.... to ....
Asparagus, cut strings	.25 to .40	Dendrobium Formosum	.... to ....
Plumosus, bunches	.15 to .25	Pansies, per doz. bunches.	.25 to .50
Sprengeri, bunches	.15 to .25	Poinsettias per doz.	.... to ....
Bouvardia	.... to	Hyacinths	.50 to 1.00
Callas	4.00 to 8.00	Smilax (per doz. strings)	1.50 to 2.00
Daffodils	1.00 to 2.00	Stevia, per bunch	.... to ....
Daisies	1.00 to 1.50	Sweet Peas, per doz. bun.	.50 to 1.00
Ferns, per 1000	1.50 to 2.00	Tulips	1.00 to 3.00
....	.... to	Violets, single	.... to ....
....	.... to	" double	.... to ....

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST. NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1906 Madison Square
JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

New York

Among the plant dealers, wholesale and retail, trade is fully up to the usual volume for the season, and the refreshing rain of the first days of the week has put the ground in excellent condition and brought more buyers into the market.

Kessler Bros., 50 W. 28th st., are displaying some Paris Daisies in large sizes, and other seasonable plants, and are doing a brisk business.

Philip Kessler, 55 W. 26th st., who handles Callas and Lilies all the year around, furnished nearly two thousand Callas to Alexander McConnell for use at the Drexel-Gould wedding.

H. E. Froment, 57 W. 28th st., is receiving a nice cut of Roses from Coddington, Murray Hill, N. J.

Henshaw & Fenrich, who have been handling an immense number of Violets, now that the Violet season is practically over are specializing in Spanish Iris of excellent quality, in white, blue, and yellow, also Sweet Peas in standard colors.

In one of our items last week we gave the address of P. Hamilton Goodsell, nurseryman, as Room 503, Singer Building. The correct address is Room 503, No. 200 Broadway.

The Morris Nursery Co., 1 Madison ave., reports the earliest and best trade it has ever had, both in fruit and ornamental stock.

Isaac Hicks & Sons, Westbury, L. I., are planting European Lindens in front of J. Pierpont Morgan's residence; also Maples at St. Mark's Chapel and St. George's Church and in other parts of the city. They are making very large shipments South and West.

Charles Millang, who of late has suffered severely from an attack of rheumatic gout, is able to give some attention again to business.

August Buckholtz of Woodside, L. I., reports the bulb season over with him, and that he is exceedingly busy preparing for the large trade in bedding plants at Calvary Cemetery. He is growing a large number of Echeveria plants for outdoor design work.

Eugene Chauroux of Flushing, who grows Callas all the year around, is daily seen in town carrying one of his immense bundles of beautiful Callas of gigantic size.

After a sojourn of four weeks in this country, Frank Hubert, of the Hubert Bulb Co., Portsmouth, Va., sailed for home on S. S. St. Louis last Saturday. Mr. Hubert expresses himself as well pleased with the progress of his bulb industry; much of the prejudice against the American-grown article has disappeared and sales and acreage of planting are both advancing rapidly.

Hugo Mulertt, author of "The Goldfish and Its Systematic Culture," and who is probably the highest living authority on this subject, has decided to again make America his headquarters, after many years spent in Germany with biennial visits to this side. His business here in aquarium supplies he finds sufficiently important to call for this decision.

Van den Abeelee, now in the employ of Charles Zeller & Sons, will soon go into business for himself at Zeiner's place, Vandeveer Park.

For the second time within eighteen months the store of George Saltford, wholesale florist, 43 W. 28th st., was burglarized on Sunday night, April 17. The cracksmen entered the store by forcing a window from the rear yard. They jimmied Mr. Saltford's desk open, where they found a box of cigars, and after a smoke they went to work to open the safe. They tapped a wire and attached an electric drill, and set to work drilling the door. The drill broke and they then knocked off the combination, put in nitroglycerine, and with a fuse touched it off, after covering the safe with blankets. Only a section of the safe door was blown off and they did not get inside. They obtained no money, but they ruined the safe, and also broke in pieces the outside money drawer. The debris from the explosion was blown over the office and the contents of the desk were thrown about, causing Mr. Saltford much annoyance.

Mrs. Johanna Friedlander, widow of Ludwig Friedlander, died on Monday at the home of her daughter, Mrs. Edward Abeles, 200 W. 52d st. She died on her eighty-seventh birthday. Her husband had a florist's store at Broadway and 48th st. for many years.

The sale of Bay trees by the Fruit Auction Company, last Tuesday, was an unqualified success. As was previously announced in the EXCHANGE, the assortment offered included Standards and Pyra-

Headquarters in Western New York

For Roses, Carnations,

And all kinds of Seasonable Flowers

WM. F. KASTING CO.

Wholesale Commission Florists

Dealers in Florists' Supplies and Wire designs

383-87 Ellicott St., BUFFALO, N.Y.

Give us a trial—We can please you

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Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwauke Apr. 19, 1910	Pittsburg Apr. 19 1910	NAMES AND VARIETIES	Boston Apr. 19, 1910	Detroit Apr. 19, 1910	Cincinnati Apr. 18, 1910
35.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	20.00 to 30.00	22.00 to 25.00	to 30.00
20.00 to 25.00	12.50 to 15.00	" extra	10.00 to 15.00	18.00 to 22.00	to
12.50 to 15.00	6 00 to 8.00	" No. 1	4.00 to 8.00	12.00 to 18.00	to
4.00 to 8.00	3.00 to 4.00	" No. 2	2.00 to 6.00	6.00 to 10.00	to
6.00 to 8.00	2.00 to 12.00	Killarney	2.00 to 8.00	to	2.00 to 6.00
6.00 to 8.00	2.00 to 12.00	White Killarney	2.00 to 8.00	to	2.00 to 6.00
to	to	My Maryland	2.00 to 8.00	3.00 to 8.00	2.00 to 6.00
4.00 to 8.00	3.00 to 15.00	Richmond	2.00 to 8.00	3.00 to 8.00	2.00 to 6.00
4.00 to 6.00	to	Perle	to	to	to
to	to	Golden Gate	to	to	to
4.00 to 6.00	2.00 to 10.00	K. A. Victoria	to	3.00 to 6.00	to
to 8.00	to 10.00	Bride, Maid, fancy—special	to 6.00	6.00 to 8.00	to 6.00
to 6.00	to 8.00	" extra	2.00 to 4.00	4.00 to 6.00	to
to 4.00	1.00 to 6.00	" No. 1	to	3.00 to 4.00	to
to 2.00	to 2.00	" No. 2	to	2.00 to 3.00	to 1.00
to 1.00	1.00 to 1.50	Adiantum	1.00 to 1.50	.75 to 1.00	to
to	to	Antirrhinum, (per bunch)	to	to	to
to 30.00	to	Asparagus, Plumosus, bunches	35.00 to 50.00	30.00 to 60.00	to 10.00
to 30.00	20.00 to 30.00	" Sprengeri, bunches	35.00 to 50.00	30 00 to 50.00	to
to	to	Bouvardia	to	to	to
to 10.00	8.00 to 12 00	Callas	to	12.50 to 15.00	4.00 to 8.00
to	to	Chrysanthemums	to	to	to
to	to 1.50	Carnations—Inferior grades, all colors	to	to	.50 to 1.00
1.50 to 2.00	to 2.00	Standard Varieties: White	1 00 to 3.00	1.00 to 2.00	to
1.50 to 2.00	to 2 00	Standard Varieties: Pink	1.00 to 3.00	1.00 to 2.00	to
1.50 to 2.00	to 2.00	Standard Varieties: Red	1.00 to 3.00	2.00 to 3.00	to
1.50 to 2.00	to 2.00	Standard Varieties: Yellow and var.	to	to	to
to 3 00	2.50 to 3.00	*Fancy (*The highest grades of Std'd vars.): White	1.00 to 3.00	2.00 to 3.00	to
to 3.00	2.50 to 3.00	*Fancy: Pink	1.00 to 3 00	2.00 to 3.00	to
to 3.00	2.50 to 3.00	*Fancy: Red	1.00 to 3.00	3.00 to 4.00	to
to 3.00	2.50 to 3.00	*Fancy: Yellow and var.	to	to	to
to 3.00	.50 to 1.00	Daffodils	to	to 3.00	to
to .50	.50 to 2.00	Daisies	to	.75 to 1 50	to
to .25	to .20	Ferns, hardy	to	to .20	to
to	to	Freesia	to	to	to
to .20	to .12	Galax, green and bronze	to	to .12	to
to	to	Gardenias, per doz.	.75 to 1.50	to	to
to	to .25	Lilac, (per bunch)	to	to	to
to 12.50	6 00 to 10.00	Lilies, Harrisii and Longi.	4.00 to 8.00	to 15.00	to
to 3.00	2.00 to 4.00	Lily of the Valley	to	3.00 to 4.00	to
to 3.00	2.00 to 4.00	Mignonette	1.00 to 2 00	3.00 to 8.00	to
to	.50 to 1.00	Narcissus	.50 to 1.50	to 8.00	to
to	60.00 to 75.00	Orchids—Cattleyas	to	to	to
to	to	Cypripediums	to	to	to
to	to	Dendrobium Formosum	to	to	to
to 1.00	.75 to 1.00	Pansies, per doz. bunches	to	to	to
to	to	Roman Hyacinths	to	4.00 to 6.00	to
to 1.50	to 2.00	Smilax, (per doz. strings)	"	1.50 to 2.00	to
to	to	Stevia, per bunch	to	to	to
50 to 1.00	.25 to 1.00	Sweet Peas	.35 to .75	.50 to .75	to .50
to 3.00	to	Tulips	.50 to 1.00	3.00 to 4.00	to
to	to	Violets, single	to	to .60	to
to .25	to .60	" double	to	to .50	to
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. CINCINNATI, O.

All Cut Flowers in Season

I Sell Heller Bros. Roses

I Manufacture Wire Work

Illustrated Catalogue for the asking.

Get your order in now for

HANGING BASKETS

The Best—The Strongest—The Cheapest

Green Sheet Moss, $1.00 per Bundle

Sphagnum Moss, $1.00 per Bale

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GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE

2-8 Duane Street, New York.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

Milwaukee, Wis.

Please mention the Exchange when writing.

The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

937 Liberty Ave. PITTSBURGH, PA.

Please mention the Exchange when writing.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee St., MILWAUKEE, WIS.

'Phone, Main 874. P. O. Box 103.

Please mention the Exchange when writing.

mids in practically all sizes, and the prices obtained varied from $9 to $112.50 per pair, the latter price for a pair of splendid Standards. Palms also sold well and at good prices. In addition to the above were Roses, ornamental shrubs and bedding plants. Perhaps the reason for the extremely good prices was the particularly fine quality of everything offered, the Bay trees and Palms attracting attention from all growers present owing to their quality.

William Elliott & Sons had their usual mid-day auction sale on Tuesday and although the day was stormy the attendance was good and much stock was disposed of. Beside nursery stock a good offering of bedding plants was made. As the weather becomes more settled bedding plants will, of course, be a special feature of future sales.

The greenhouse property at 140th st., near Riverside Drive, New York City, which will be sold at auction, Tuesday, April 26th next, at 2.30 p.m., by The Fruit Auction Co., presents a sale of much importance. It is worthy of consideration by those contemplating the purchase of greenhouse material.

Mr. and Mrs. John Meese of Brooklyn announce the marriage of their daughter, Marguerite Williamson, to James Ebb Weir, Jr., on April 16. Mr. Weir is a great grandson of the original James Weir and a nephew of our well-known and respected John Weir, affectionately called "Pop."

In Flatbush

Among the growers of potted plants, now that the after Easter clean-up has been made, every one is busy putting the left over plants in shape and preparing new ones for Memorial Day. The Pansy trade now is very brisk. The bedding plants are getting a shift, more space and better attention, as the season for their use is near at hand and in some cases already begun. Vegetable plants, especially Tomato plants, which add not a little to the florist's income, are given their share of attention.

At John Scott's, East 45th st. and Rutland rd., several houses of Gardenias showing excellent culture are yielding a tremendous cut of flowers. A fresh importation of Araucaria excelsa is exceptionally good. Nephrolepis Scottii here, in its own home, is to be seen in perfection. Alternantheras and Coleus show good, clean culture and are in the pink of condition.

At Dailledouze Bros. the cut of flowers is still large and of excellent quality. A cutting of large well built blooms of the Carnation White House, which recently won a bronze medal at the Pittsburg convention of the American Carnation Society, were especially beautiful, and a new unnamed pink seedling, several shades lighter than Lawson, gives much promise.

At Hession's, as well as at the other Carnationists, shading where the old plants are has already begun, but the young plants are given the full light. Here also the old plants as well as the young show excellent care, and the former are giving a good cut of flowers.

Many Carnationists will give Mrs. Ward and Dorothy Gordon a trial this season. The old custom of potting young plants seems to be giving way to the better way of planting them out on the benches till the time comes for setting in the field, thus avoiding pot binding and great damage to the young plants.

Many growers with old ranges of glass are gradually pulling down their benches and using solid beds, with concrete sides and ends, partly because of the high price of lumber, and partly because of a belief in their use.

Philadelphia

The S. S. Pennock-Meehan Co. is handling some especially fine American Beauty Roses and Cattleyas.

At the Leo Niessen Co.'s store some especially good My Maryland Roses are noted, and some fine Snapdragon, which latter has met with a ready sale this season.

W. E. McKissick & Bros. are receiving some high-grade Mrs. Jardine Roses. They have secured a good supply of Dagger Ferns, on which the market is somewhat short.

Twenty-three years' hard work in the florist business and only half a day's sickness during all that time is the record of one of our well-known commission men.

Among the recent visitors in town were H. Warendorff, New York City; George Brinton, Wilmington, Del.; George H. Seidel, Hazleton, Pa.; and Mr. Seik, manager for Charles E. Smith & Co., Baltimore, Md.

H. H. Battles is showing some perfect specimens of Colorado Blue Spruce, the queen of Evergreen trees, and several varieties of Japanese Maples, from his nursery at Newtown Square. He reports a very good business in this line as well as in cut flowers.

The Robert Craig Co. is making large shipments now of potted Roses, Ferns, and some wonderfully fine Ficus pandurata, some of which latter are six and seven feet in height.

Edward Reid is receiving a good supply of Cattleyas. He handles quite a quantity of Orchids with his full line of Roses and other seasonable flowers.

John McIntyre is still specializing indoor-grown Lilac, though the blooms of the outdoor stock are in evidence everywhere.

Boston

Things have changed materially since last week and all for the better. The flower market is like the stock market; it has its good and bad times, recovers just as quickly as the latter does, and it is often hard to find out just why a rise in prices and recovery comes so quickly. As far as we can ascertain the reason of the quick recovery this week is that during the hot weather we had right through March a full crop of flowers was cut whilst now there is a slight shortage. Also, the weather has cooled off considerably and it so being more seasonable has caused an increased demand.

Rain was much needed here and Monday night, April 18, we had fully half an inch. There is much fear of the fruit crops, with Peaches, Plums and Pears in bloom, and the thermometer down to 32° and 22° in some sections in this vicinity.

Nurserymen are pushing orders as fast as possible and working long hours as many shrubs are in full leaf now.

On a recent visit to Hugo L. Cameron of North Cambridge, Mass., we found his place brimful of good things in the way of bedding plants. He has about 25,000 sq. ft. of glass and one modern house was built last year. His specialties are Chrysanthemums and Geraniums; of the latter he grows 60,000 plants. He finds a ready sale for them and every year is sold out before Decoration Day. His principal stock consists of the following varieties: Alphonse Ricard, S. A. Nutt, Beauté Poitevine and Mrs. Lawrence. The last variety named is certainly a good thing and has a fine compact dwarf habit, carrying many flower trusses which are of a bright satiny pink slightly tinged with white. Mr. Cameron speaks very favorably of Jean Oberle and says he considers it one of the best for bedding, its color is so satisfying; it is of a pleasing Peach pink. He has also a good word for Jean Viaud. For white varieties he thinks Fleuve Blanc and Mme. Buchner are by far the best. Other bedding plants which he grows in quantity are Petunias, Coleus, Heliotrope, Vinca and Fuchsias.

Mann Bros. are handling at the present time some very fine Lilium candidum, which sells readily, while the longiflorum forms hardly can be disposed of. They have great success with their candidums, not one of their bulbs missing flowering, although they grow many thousands. Mr. Mann attributes their success to the treatment they receive more than to anything else. He says they leave them outside in the Fall until they make all of their first set of leaves, and would never think of taking them into the houses until they were thoroughly frozen, afterward growing them quite cool at first. Their L. candi-

A Carnation Opportunity

A box of 500 or more of our best quality Carnations, our selection as to color, but a splendid assortment of the best grades—$2.00 per 100. 10 per cent. discount if this Advertisement is mentioned.

CARNATIONS per 100, Special $3.00 and $4.00, Fancy $2.00 and $3.00, 1st $1.50.

RIBBONS, SOME OF THE CHOICEST NOVELTIES, EXCLUSIVE PATTERNS, AN ENDLESS VARIETY TO CHOOSE FROM. SUPPLIES OF ALL KINDS. CATALOGUE ON REQUEST.

Other of Our Specials

GARDENIAS, per doz., special $3.00, fancy, $2.00, first $1.00.
GARDENIA Special, a box of 4 dozen of the best blooms, very choicest flowers, for $5.00.
VALLEY, per 100, special $4.00, extra $3.00, No. 1 $2.00.
SWEET PEAS, long and medium, 75c. per 100.
SWEET PEAS, extra long, $1.00 per 100.
DAISIES (White), $1.00 per 100.
DAISIES (Yellow), $1.50 per 100.
MIGNONETTE, splendid spikes, $3.00 per 100.
CATTLEYAS, per doz., $6.00.
CATTLEYAS, per 100, $40.00.
RICHMOND, per 100, special $15.00, extra $10.00, first $6.00, second $4.00.
JARDINES, per 100, special $20.00, fancy $15.00, extra $8.00, first $6.00, second $4.00.
MARYLAND, 2-KILLARNEYS, KAISERINS and BRIDES, special $10.00, extra $8.00, first $6.00, second $3.00.
ROSE SPECIAL No. 1. Special grade Maryland, Richmond, Kaiserin, Bride and the two Killarneys, our selection as to color, in lots of two hundred or more, $6.00 per 100. This is our very finest long-stemmed stock.
ROSE SPECIAL No. 2. Good flowers, medium stems, in lots of two hundred or more, our selection, $3.00 per 100.

1608 to 1620 Ludlow St., PHILADELPHIA, PA. **S. S. PENNOCK-MEEHAN CO.,** 1212 New York Ave., WASHINGTON, D. C.

THE WHOLESALE FLORISTS OF PHILADELPHIA AND WASHINGTON. Stores close at 6 P. M.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Apr. 18, 1910	Buffalo Apr. 18, 1910	NAMES AND VARIETIES	Phil'delphia Apr. 18, 1910	St. Louis Apr. 18, 1910	
..... to 35.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	20.00 to 25.00	12.00 to 15.00	
20.00 to 25.00	15.00 to 20.00	" extra	15.00 to 20.00	8.00 to 10.00	
12.50 to 15.00	8.00 to 10.00	" No. 1	8.00 to 10.00	4.00 to 6.00	
6.00 to 10.00	2.00 to 4.00	" No. 2	2.00 to 6.00	2.00 to 4.00	
5.00 to 8.00	3.00 to 10.00	Killarney	2.00 to 8.00	2.00 to 6.00	
5.00 to 8.00	3.00 to 10.00	White Killarney	2.00 to 8.00	2.00 to 6.00	
4.00 to 8.00	3.00 to 10.00	My Maryland	2.00 to 10.00	..... to	
4.00 to 8.00	3.00 to 10.00	Richmond	2.00 to 8.00	3.00 to 6.00	
3.00 to 6.00	..... to	Perle	..... to	2.00 to 3.00	
4.00 to 8.00	..... to	Golden Gate	3.00 to 8.00	..... to	
4.00 to 8.00	..... to	K. A. Victoria	2.00 to 8.00	..... to	
..... to 8.00	..... to 8.00	Bride, 'Maid, fancy—special	6.00 to 8.00	5.00 to 6.00	
..... to 7.00	6.00 to 8.00	" extra	4.00 to 6.00	3.00 to 4.00	
5.00 to 6.00	4.00 to 6.00	" No. 1	2.00 to 3.00	..... to 2.00	
3.00 to 4.00	2.00 to 4.00	" No. 2	1.00 to 2.00	..... to	
..... to 1.00	1.25 to 1.50	Adiantum	..... to 1.50	..... to 1.50	
..... to	..... to	Antirrhinum (per bunch)	..... to	..... to	
25.00 to 50.0	..... to	Asparagus, Plumosus, bunches	..... to 50.00	..... to	
25.00 to 50.00	..... to	" Sprengeri, bunches	..... to 50.00	25.00 to 50.00	
..... to	..... to	Bouvardia	..... to	..... to	
8.00 to 10.00	..... to 8.00	Callas	6.00 to 8.00	6.00 to 10.00	
..... to	..... to	Chrysanthemums	..... to	..... to	
1.00 to 1.50	1.50 to 2.00	Carnations—Inferior grades, all colors	.75 to 1.00	1.00 to 1.50	
..... to 2.0	1.50 to 2.00	Standard Varieties: White	1.00 to 1.50	1.00 to 1.50	
..... to 2.00	1.50 to 2.00	Standard Varieties: Pink	1.00 to 1.50	1.00 to 1.50	
..... to 2.00	1.50 to 2.00	Standard Varieties: Red	1.00 to 1.50	1.00 to 1.50	
..... to 2.00	..... to	Standard Varieties: Yellow and var.	1.00 to 1.50	..... to	
..... to 2.5	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	2.00 to 3.00	2.00 to 2.50	
..... to 2.50	2.50 to 3.00	*Fancy: Pink	2.00 to 3.00	2.00 to 2.50	
..... to 2.50	2.50 to 3.00	*Fancy: Red	2.00 to 3.00	2.00 to 2.50	
..... to 2.50	2.50 to 3.00	*Fancy: Yellow and var.	2.00 to 3.00	..... to	
2.00 to 3.00	1.00 to 2.00	Daffodils	.50 to 1.00	..... to	
..... to .20	1.00 to 2.00	Daisies	.50 to 1.00	..... to	
..... to	..... to .20	Ferns, hardy	.20 to .25	..... to	
..... to	..... to	Freesia	..... to	..... to	
..... to .10	..... to .15	Galax, green and bronze	..... to .10	..... to	
1.00 to 1.50	..... to	Gardenias, per doz.	1.00 to 3.00	..... to	
..... to	..... to	Lilac, per bunch	.50 to 1.00	..... to	
8.00 to 12.50	8.00 to 10.00	Lilies, Harrisii and Longi	2.00 to 6.00	6.00 to 8.00	
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 3.00	..... to 3.00	
2.00 to 4.00	1.00 to 3.00	Mignonette	1.00 to 2.00	3.00 to 4.00	
..... to 2.00	..... to	Narcissus	2.00 to 3.00	..... to	
..... to	..... to	Orchids—Cattleyas	..... to	..... to	
..... to	..... to	Cypripediums	..... to	..... to	
..... to	..... to	Dendrobium Formosum	35.00 to 40.00	..... to	
..... to .50	..... to	Pansies, per doz. bunches	.35 to .60	..... to	
2.00 to 5.00	..... to	Roman Hyacinths	..... to	..... to	
..... to 2.00	..... to 1.50	Smilax, (per doz strings)	1.50 to 2.00	..... to 1.25	
..... to	..... to	Stevia, per bunch	..... to	..... to	
.40 to .75	.60 to 1.00	Sweet Peas	.60 to 1.00	.20 to .40	
2.00 to 4.00	1.00 to 3.00	Tulips	1.50 to 4.00	..... to	
..... to	..... to	Violets, single	..... to	..... to	
..... to	.40 to .60	" double	..... to .50	..... to	
..... to	..... to		..... to	..... to	
..... to	..... to		..... to	..... to	
..... to	..... to		..... to	..... to	

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BEGONIA LORRAINE
BEGONIA LORRAINE LONSDALE
BEGONIA AGATHA

JUNE DELIVERY

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be **twice shifted.** Orders filled in rotation. 2½-in. pots, $15.00 per 100, $140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

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Beauties THE BEST. $3.00 per dozen. Stems 36 inches and over, good flowers and clean foliage. Excellent quality.

Maryland We have some stock of this grand Rose of exceptional quality. Our best grade is 30 to 36 inches long. $4.00 to $15.00 per hundred.

Carnations Our Best Grade $3.00 per 100. Good stock. $2.00 per 100.

Daisies White.....$10.00 per 1000. Yellow.....$15.00 per 1000.

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Wholesale Florists PHILADELPHIA
Open from 7 A.M. to 8 P.M.

Please mention the Exchange when writing.

EDWARD REID
Wholesale Florist
Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias
All other seasonable flowers
1526 Ranstead St., Philadelphia, Pa.

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Prices Advertised in these Columns are for THE TRADE ONLY

dum flowers have extra broad petals with much substance, but he says that they have no special variety; it is the treatment which makes them develop broader petals. They use French bulbs altogether.

Norris Comley of Lexington has just returned from a trip to Chicago where he purchased several new varieties of Carnations which are to be grown at his establishment at Lexington. He speaks very interestingly of the great establishments in the West and the large things they are doing out there. He has three houses of Sweet Peas in full crop and of excellent quality.

William J. Walke of Salem has a very fine form of Snapdragon which is of a pleasing pink color; he is cutting this stock in quantity and disposes of it at 2 Park St. market.

D. Horrigan of East Foxboro, the Marguerite specialist, is shipping extra quality Spanish Irises to 2 Park St. market, which are handled by J. M. Cohen.

A. J. Hill, formerly of Veitch's of London, is now with the W. W. Rawson Co.

Willow Hill Greenhouses, West Roxbury, are shipping this week Spanish Irises. They grow this product in quantity and find ready sale for the goods.

Sam'l J. Goddard of South Framingham is shipping some very good Carnations to 1 Park St. market. We inspected some fine bunches, this week, of the following varieties, which were all well grown: Beacon, Enchantress, Winsor, Pink Delight, Helen Goddard and White Perfection.

This week we saw at 1 Park St. market some extra well-grown Bride and Killarney Roses from W. J. Aylward of Woburn.

The boys in the markets were pleased to see Augustus Zirngiebel from Oyster Bay who visited them this week. In past days his face used to be familiar and they all welcomed him.

William Cahill, representative of Stumpp & Walter Co. of New York, was in town this week. His health has been poor this Winter and he has just come from the hospital at Waterbury, Conn., where he has been for five weeks. He is a Boston boy and we all wish him the best of health and prosperity

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Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

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FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

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HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

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Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

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"The Busiest House in Chicago"

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WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

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Greenhouses: MORTON GROVE, ILL.

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Send us your orders for delivery in the Northwest, which will have our best attention.

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All Leading Varieties of ROSES AND CARNATIONS

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Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, April 19, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	3.00 to 4.00
30-inch stems.. "	.... to 3.00
24-inch stems.. "	2.50 to 3.00
20-inch stems.. "	.... to 2.00
18-inch stems.. "	.... to 1.50
12-inch stems.. "	.... to 1.00
8-in. stems and shorts "	.... to .76
Killarney	6.00 to 8.00
" extra	.... to 10.00
White Killarney	.... to 10.00
Richmond	6.00 to 8.00
My Maryland	5.00 to 8.00
Bride, Maid, fancy special	5.00 to 6.00
" extra	4.00 to 6.00
" No. 1	.... to 3.00
" No. 2	.... to 2.00
Perle	4.00 to 6.00
Chatenay	3.00 to 6.00
Kaiserin	5.00 to 7.00
Uncle John	.... to 6.00
Mrs. Marshall Field	.... to 6.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Calla Lily	6.00 to 8.00
Chrysanthemums doz.	.... to ....
" fancy doz.	.... to ....
Daisies	.75 to 1.00
Daffodils	1.00 to 3.00
	.... to ....

CARNATIONS		
Standard Varieties	White	1.60 to 2.00
	Pink	1.50 to 2.00
	Red	1.50 to 2.00
	Yel. and Var.	.... to ....
Fancy (The highest grades of Std'd varieties)	White	2.00 to 3.00
	Pink	2.00 to 3.00
	Red	2.00 to 3.00
	Yel. and Var.	.... to ....
Ferns, hardy, per 1000		.... to 2.60
Freesia		.... to 3.00
Galax (green)		.... to 1.00
" (bronze)		.... to 1.25
Gardenias		25.00 to 36.00
Hyacinths		.... to 3.00
Iris		.... to 3.00
Lilac, per bunch		.35 to .50
Lilies, Harrisii and Longi.		6.00 to 8.00
Lily of the Valley		3.00 to 4.00
Mexican Ivy		.... to 1.00
Mignonette		3.00 to 5.00
Narcissus—Paper White		.... to ....
Orchids—Cattleyas		40.00 to 60.00
" Cypripediums		16.00 to 20.00
Pansies		.... to .76
Smilax		12.00 to 15.00
Sweet Peas		.76 to 1.00
Tulips		.... to .40
Violets, single		.... to ....
" double		.... to ....
		.... to ....
		.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

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VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

David Duncan of Arlington has a neat thriving establishment, handily located to Arlington Centre, and has an excellent home trade and also a stall at 2 Park st. to dispose of any surplus. He has been growing bulbous material this Winter with which he has had much success. He has a house devoted to Callas which are bearing heavily now and have been for many weeks. He has a quantity of bedding plants which are now occupying the space the bulbs took up in the Winter time.

Thomas Stock of Dorchester is a large grower of Spanish Irises and has a large cut at the present time; most of them are used in the Galvin stores on Tremont st. and Boylston st.

A new flower appearing on the market this week is Dahlia Jack Rose, which was from W. C. Ward of Quincy, and which was bought up quickly. It is handled by Thomas Peglar at 1 Park St. market.

Rawson's "Success in Market Gardening," a revised edition, has just been issued; it is a practical book which should prove most useful to those interested in market gardening.

Another large new building has been opened this week, which will be excellent for large exhibition purposes; it is located one block from Horticultural Hall on Botolph st. It is called the Boston Arena and has a floor space of 53,000 sq. ft. and will seat 12,000 people. It would be well for the committee of the S. A. F. National Flower Show to have a look at this building before they decide on a hall.

The floor in the large main building at Horticultural Hall has been torn out and arrangements are being made to get it in readiness for the Orchid exhibition, May 26. There are already quite a large number of entries and there is every indication of a good exhibition. It must not be forgotten that the date for entries close on April 30. R. C.

Chicago

The change in the weather is the main feature regarding conditions of the market, as the prolonged spell of cold rains has hurt the outdoor stock, thus creating a greater demand for greenhouse products. Never has such a season in the flower business been encountered, and one hardly knows what to expect next. It is positive that there will not be a vestige of outdoor flowers for Memorial Day, with the exception of Peonies. The prediction is that Peonies will, unless destroyed by frost, be right on time for that occasion. Notwithstanding the cold wave that has prevailed the past week, the Lilacs all about Chicago are in full bloom. Southern Lilac is coming in less quantities, and the Jonquils from the South are practically done for.

City Forester Prost had a most interesting article, in several of last Sunday's papers, on the artistic arrangements and planting of trees and shrubs, which could not fail to meet the approval of all nurserymen and florists interested in the cultivation of this line of stock.

Friday, April 22, being Arbor Day, will be observed in many parts of the city. Several of the women's clubs will celebrate the day by the planting of trees. City Forester Prost will be present at many of the gatherings and will deliver at each an address appropriate for the occasion.

On Saturday, April 23, the art and literature department of the Chicago Woman's Club will decorate Shakespeare's statue in Lincoln Park with flowers, to commemorate his birth.

President Louis Geyler of the Chicago Auto Trade Association has appointed a committee to handle the auto floral parade which is planned for Saturday, May 7. It is expected that at least 500 cars will be in line. Already more than 50 entries have been secured from dealers, who have promised to spend at least $50 each in decorating their cars. It is the committee's chief aim to interest the private owners and thus bring about a united effort to have a distinctive "Annual Automobile Day," and it is thought this can best be done by means of a floral parade. There will be three prizes for the cars best decorated with natural flowers, three for the best floats, three for the best decorated electric runabouts, and three for cars with most unique decorations. It is an ill wind that blows no one some good; this should be encouraged by our florists.

Still later news from Ned Washburn announces that he expects to start for home in a very short time, as his physician states that he has fully recovered from his recent attack of tuberculosis and feels he will not suffer any relapse by his returning.

W. Gerhardt of Wilmette says it is surprising what an early call there is for hanging baskets this season. Already they have had about 200 planted that are meeting with a ready sale.

The A. L. Randall Co. reports the sale of the Evergreen brand of fertilizer as something phenomenal. The indoor vegetable growers have taken up the use of it with marked success.

Vaughan & Sperry are showing a fine grade of American Beauty Roses from the houses of Wm. Dittman, New Castle, Ind. This is the first cut of a new crop and is certainly in good form.

At the greenhouses of Bassett & Washburn, Hinsdale, outdoor work is progressing rapidly. They are already planting their Carnation plants outdoors, three weeks in advance of 1909.

Some fine spikes of Gladioli have been seen in the past ten days at the J. B. Deamud Co.'s. One can always find the new arrivals at this house.

Still the same rush continues at the Winterson's Seed Store, in all lines. Small fruits meet with a lively demand and mail orders are as profuse as ever.

Charles McKellar says he is thankful the southern stock in the bulb line is over this season; it has been harder to handle than usual.

John Mangel has been kept exceptionally busy the past week with the floral arrangements and decorations at the Blackstone Hotel, for the many functions held since the formal opening. The main feature of the decorations throughout, has been the grouping of Hydrangeas and Daisies with Palms and Ferns.

Miss Virginia Poehlmann, the young daughter of August Poehlmann, who underwent an operation at St. Augustine's hospital ten days ago, has fully recovered and is again at home.

Ben Zalinger, who has been with Sinner Brothers for the past five years, is branching out in business for himself, soliciting orders for plants and flowers for clubs, funerals, social functions, etc.

Wm. Feniger of Toledo, O., spent several days in Chicago recently.

John Algotz, manager of the many small parks around Chicago, has been appointed as superintendent of the city nurseries on the Gage farm, and will at once begin the erection of greenhouses and a dwelling for his family. This is a new enterprise of the city and will be watched with interest.

The John C. Moninger Co. has purchased a piece of property adjoining their plant. The buildings contained on same they will use as a warehouse.

Among the visitors last week was C. A. Brazee of Wilmington, California, who is taking a business and pleasure trip to the East and will visit Pittsburgh, Boston, Philadelphia and New York.

Vaughan's greenhouse force is busy this week unloading and unpacking the large shipment of Bay trees just arrived. At the store, owing to the weather turning so cold, the counter trade has slackened up a little, thus giving a chance to catch up with the accumulation of mail orders.

James J. Manusos was absent from his store on Tuesday, owing to the illness of his wife.

Joseph Mendall has started the erection of a bungalow, 37x37 ft., at Fox Lake, which he will occupy with his family this Summer. This is adjoining the house and property formerly owned by Mr. Mendall.

Bowling

The bowling season wound up last Thursday, April 14, in a blaze of glory, the Carnations taking first place. Violets were second, Orchids third and Roses fourth. The Deamud cup for individual championships was won by T. C. Yarnall, Victor Bergman winning highest single game and high average for three games. Next Thursday a meeting will be held at J. Kruchten's, when the affairs of the League will be settled. The Foley umbrellas and the Reinberg fobs, with the other prizes, will be distributed. Arrangements will be made for a series of games to be bowled by the ten highest average men, to determine the team that will represent the Chicago Florists' Club at the meeting of the S. A. F. at Rochester.

HARRISBURG, PA.—Joseph Schmidt, the oldest florist in this part of the State, celebrated his eighty-third birthday in most informal manner on April 12, at his home, 222 Forster st., with his wife and children around him. Mr. Schmidt was born in Bavaria April 12, 1827. He came to America in 1860 and arrived in Harrisburg from Philadelphia Oct. 10, 1865, making his permanent home in this city. Many friends called during the day to extend congratulations and wish the venerable florist many more happy years.

MEDFORD, MASS.—Richard Iverson, superintendent of parks of La Crosse, Wisconsin, formerly of Medford, has received notice from City Clerk Fred Fries, of San Antonio, Texas, that he has been awarded the third prize in the contest for a landscape scheme for the new mission cemetery of that city. Prizes were $500, $300 and $200, respectively. The winners of the first and second prizes had the advantage, viewing the cemetery, a difficult feature in planning which was due to the fact that it provides a section for every nationality and religious belief.

Louisville, Ky.

Though business during the past two weeks has been more or less irregular, most of the Louisville florists have had plenty to do. A general demand for Spring stock has been in order, and plants and flowers appropriate to the season have been sold in satisfactory volume. There have been an unusually large number of funerals of prominent citizens, and the floral decorations for these have been handsome. Roses, including American Beauty, Killarney and Richmond varieties, have been selling well, while the Wallflower has taken firm hold this season. Darwin Tulips have become popular with the trade, and the lavender, purple and wine-colored varieties have attracted great attention. Sweet Peas and Lily of the Valley, which were in favor during Easter, are still in demand.

Fred Schulz has been selling a good many Roses and Carnations. His store in the Weissinger-Gaulbert is enticing and draws considerable trade.

F. G. Walker has just returned from New Orleans, where he attended the gathering of the Shriners. He saw some of the Crescent City florists, who told him that trade was very good. Ever-blooming Roses have been in good demand at Mr. Walker's establishment.

Nanz & Neuner have been doing a good deal of work for out-of-town people, several large orders being sent to Cumberland Gap this week. The plant trade, owing to the favorable weather, has been exceedingly heavy.

Pot Roses, Ivy, etc., have been selling well, according to Henry Fuchs, who added that much Spring planting is being done, making the demand for stock of that character extremely heavy.

Mrs. C. B. Thompson said that Stocks had been selling well, as also had Sweet Peas. Roses are plentiful and good, she said, and she has been kept busy with funeral work, many handsome designs being shipped into the interior of the State, Eminence, Campbellsville and other Kentucky cities ordering heavily. Mrs. Thompson is rounding out twenty-five years in the business, and has just leased her store on Fourth ave., in what is now known as "Florists' Row," for five years longer.

William Walker recently made up a handsome design which was sent to St. Louis for the funeral of William Grayson, Sr. The design was sent by the Louisville Baseball Club, of which William Grayson, Jr. is president.

Lily of the Valley has been the best seller with F. C. Haupt. American Beauty, Killarney and Richmond Roses have also sold well. Mr. Haupt did a large part of the work for the funeral of Col. Morris B. Belknap, covering the entire grave with Lily of the Valley, which was used exclusively. The family had requested that no flowers be sent, but the floral offerings were in many cases unusually elaborate.

Mrs. M. D. Reimers is selling a great many of the Darwin Tulips, the wine-colored, lavender and purple ones being very popular. She has also made up some handsome designs for New York and other out-of-town points. Choice Ten-Week Stocks and Snapdragon have been in favor again this Spring.

William Speed has been appointed to superintend the work on the grounds of the new State Capitol, for which the Legislature made an appropriation of $50,000. He succeeded Cecil Fraser of Louisville, who died at Frankfort while engaged in the work.

The Women's Outdoor Art League, in which Louisville florists are much interested, began this season with two Cleaning-Up Days, Friday, April 22 and Saturday, April 23. Sixty thousand leaflets were distributed, calling on citizens of Louisville to clean up their premises. The Mayor endorsed the work heartily. Regarding the plans of the League, Mrs. John B. Castleman said that during this season the school gardens would be a great feature. These gardens are planted in the yard of every school, the children taking care of them and planting seeds which are furnished by the League at a charge of one cent a package. Trees, 100 in number, were planted at the schools Arbor Day, April 8, these having been given by the Park Commission. The League is in charge of Lincoln Place, an open space adjoining the postoffice, and has planted shrubs and flowers there and made it a popular gathering place in Summer. Property-owners have been interested to the extent of turning over their vacant lots to the League, and these, instead of being made unsightly with weeds and rubbish, are taken care of by children in the neighborhood, who plant flowers and vegetables. Charitable institutions of various kinds are given flowers and shrubs, the only condition being that they will take care of them. Churchyards are beautified in the same way, and efforts are now being made to secure the co-operation of the Street Railway Company so as to make the loops where the cars turn at the end of the lines beautiful with flowers. The League recently had a meeting at which John Davey, "the tree doctor" spoke, advocating better care of trees in the cities. Mrs. Castleman expressed great appreciation of the aid of the florists, who give the League flowers frequently. As an instance of their help, she said that at the State Fair last September they gave her enough small plants to provide each of 900 children who attended Children's Day something to take home and plant.

The firm of J. Weber & Kneisel, florists, have given place to two individual firms, one being the Kneisel Floral Bazaar, at 1229 West Market st., of which R. Kneisel is proprietor, and the other having been established in Clifton Heights by Mr. Weber.

The Commercial Club will probably offer a medal or cup, it is announced, for the best exhibit by florists from outside of the State at the Kentucky State Fair in Louisville next Fall. The matter was brought to the attention of the Club by C. L. Brunson, superintendent of plants and flowers of the Fair.

The Louisville Seed Co. has been made a member of the Merchants' and Manufacturers' Association. The demand for seeds is usually good, it was reported there.

The opening of the Children's Free Hospital, which recently completed its new building, was marked by generosity on the part of the florists of the city, who sent flowers of all sorts in quantity. Apple blossoms, Buttercups, Lily of the Valley, Roses, Dogwood and Cherry blossoms and Violets converted the building into a bower. Local florists vie with each other on occasions of this sort, and give to all the hospitals as opportunity offers. C.

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24 sheets . . . $0.75
144 sheets . . . 3.50
288 sheets . . . 6.50
1728 sheets . . 35.10

"NICO-FUME" LIQUID

Furnishes the Most Nicotine for the Money!

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Over 40% Nicotine By far the CHEAPEST. Just Note Prices!

Pint $1.50
½ Gallon . . . 5.50
Gallon 10.50
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Put up in 12 pound cans. Price $2.00

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The Mastin Automatic White-Wash and Spraying Machine is Reliable, Practical and Durable

The tank is made of galvanized sheet steel, and in brass.
The pump is of brass throughout, simple and powerful.
The mixing device keeps the contents of the tank well stirred up from start to finish.
When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.
All parts are made to gauge, and may be had for repairs.
Ask your dealer about our Extension Hose, Extension Rods, and the Mastin White-wash Nozzle for Bordeaux mixture.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

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Shredded or Pulverized

WIZARD BRAND MANURES

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for quid top-dressing. Unequalled for all field use. Write for circulars and prices.

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KILMDEAD
The best of all the tobacco dusts for Dusting or Fumigating

25 lbs., $1.00 100 lbs., $ 3.00 1000 lbs., $27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., 52.50

Stumpp & Walter Co. 50 Barclay St., New York.

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Green Flies and Black ones too

are easy to kill with The Fumigating Kind Tobacco Powder

$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

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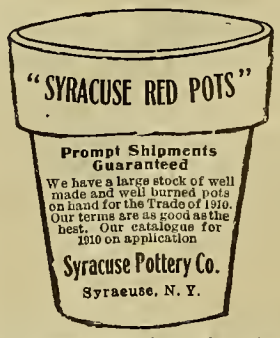

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Packed in small crates, easy to handle.

	Price per crate.		Price per crate.
1500 2 in. pots in crate,	$4.88	120 7 in. pots in crate,	$4.20
1500 2¼ " "	5.25	60 8 " "	3.00
1500 2½ " "	6.00		
1000 3 " "	5.00	HAND MADE	
800 3½ " "	5.80	48 8 in. pots in crate,	$3.60
600 4 " "	4.50	48 10 " "	4.80
456 4½ " "	5.24	24 11 " "	3.60
320 5 " "	4.51	24 12 " "	4.80
210 5½ " "	3.78	12 14 " "	4.80
144 6 " "	3.18	6 16 " "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.

August Rolker & Sons, Agts., 51 Barclay St., N. Y. City

Red Standard Pots

We have these in stock from 1 inch to 18 inches. What are your needs for the coming Spring? Let us know them and give us an opportunity to quote you. Our goods are equal to the best; to prove it send us a trial order; small as it may be, it will be appreciated. Try us.

THE KELLER POTTERY CO.

213-223 Pearl St., NORRISTOWN, PA.

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All the Clay

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Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

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By Geo. W. Oliver, Propagator to the Bureau of Plant Industry, U. S. Department of Agriculture.

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Every florist, nurseryman and grower will find Plant Culture the most useful assistant in his office. Order a copy of the book now, or send for free sample pages.

A. T. DE LA MARE PTG. & PUB. CO., Ltd.

NOS. 2 TO 8 DUANE ST., N. Y.

The Week's Work

BY

FRITZ BAHR

Rose Notes

Preparing Stock for Next Winter and Spring Forcing.

If you are a retail grower you couldn't possibly invest a few dollars to better advantage than to purchase a good number of dormant hybrid perpetual Roses, as well as a few Ramblers. These Roses, if cut back severely and potted up into 5" and 6" pots, plunged up to the rim outofdoors, and properly cared for during the Summer months, make after all the only real good material for forcing, whether wanted for as early blooming as January or as late a date as April 16, on which Easter falls next year. Roses grown in pots during the Summer are ready for forcing during the Winter months whenever the grower is. They are not like Fall potted stock, which has to make roots first before anything can be done with it. If you have use for Roses in pots at all around Easter try to grow your supply in pots during the Summer, that is, if you are sure that the stock will receive the proper attention. If there is any doubt about this in your mind, don't think of this method of growing for a minute; it would surely result in failure if the strictest attention is not paid to it—let the other fellow do the growing for you, and buy the finished plants in Fall; they are worth every cent asked for them if done well.

Carnations

Hardening Off the Young Stock.

With us, every hand is busy just now bringing the young Carnations to the cold frames. For years we have made it a practice to give them a few days in the frames before they go to the field, and find it a good plan. The unusually warm weather we have had so far this Spring makes one almost take the risk of planting the young stock right out into the field. However, this would be wrong throughout the middle West. Stock which has been indoors up to this date is too soft and tender to be planted out into the field before May 1. While a light frost might not ruin the plants altogether, it certainly doesn't benefit them any. A far better way is to give the little plants a week or so in a coldframe where if a sudden cold or wet period should set in, one can protect them with glass or wooden shutters, even cloth. It doesn't take many days outdoors to harden the stock to such an extent as to make the plants fit to withstand any ordinary bad weather which might set in during the early part of May. We go over the plants when loading the flats in which they are brought outdoors, and if any of them need pinching back this is a good time to do it, as well as remove the weeds if there are any; and what is of great importance, opportunity is given for the stirring up of the soil in the pots containing the 2" and 2½" stock, such as has been in the little pots quite a while; this is almost as good as a shift, don't overlook it. The stock lately shifted don't need it, but the others do. Any plant in a pot where the surface of the soil is either covered with green moss or weeds of any kind suffers, and you cannot afford to let that happen to the young Carnations—even if you should intend planting them out into the field within 8 or 10 days should not be any reason for neglecting this work.

Lilies

Stock Intended for Decoration Day.

With most of us, it will be a matter of holding the plants back rather than forcing them in order to have them just right for Decoration Day. This Spring, so far, has kept us all guessing as to just what to do. Usually a hot spell of a few days is followed by a cold one, but this year up to this time it has all been one way. I should call Lilies which are just showing buds about right for the last day of May. I would almost like to see them a little more advanced than less, for the reason that if we should get a few more dark and cold days than we ought to have in May, it might affect the Lilies. With the man who grows a house full of them it is an easy matter to control the temperature by firing, not so with the smaller grower, the one who has only a few dozen plants; he might find it difficult to do much forcing, and it would not pay him to do it just for the Lilies; with him it is far easier to keep the plants back. Let them come along now, for while there is with most of us an increased demand for the flowers on Decoration Day, well worth going to the trouble of preparing for, we need and can use the flowers right along. Plants which will be found ready to open two weeks before Decoration Day can be easily kept in good shape by placing them in a cool cellar, or deep frame where they can be kept well shaded. Keep the plants nicely staked up, it is as important now as it was for the Easter stock, and do not overlook fumigating or spraying with a nicotine solution. Green fly should not be allowed to get a foothold and that means the application of a preventive and not the remedy.

Ampelopsis Veitchii

Pot Up a Good Supply of This, and Other Hardy Climbers

Don't overlook this: There are always calls during the Summer months for Boston Ivies or other hardy vines. Dormant stock is out of the question and the pot grown has to be made use of. Ampelopsis Veitchii is the most desirable, if a vine is wanted which is to cling to a wall. Ampelopsis Engelmanni is far coarser, but yet in demand where heavier foliage is wanted. Get a good number potted up; what are not sold will come in handy for next Spring, but it is far more likely you won't have enough. If you have other dormant field grown plants of hardy climbers on hand pot up a few and let them come along in the greenhouse; Honeysuckle, Crimson Ramblers and other climbing Roses are always in demand, and so are Wistaria and Clematis paniculata.

Canterbury Bells and Foxgloves

Sow Seed Now of Both of These Useful Plants

While you think of it, get a trade package of Campanula media and sow it out. It isn't one bit too early to do so, if large plants are wanted by next Fall. There is a greater call for Canterbury Bells this Spring with us than for any other what we term "hardy" plants. The Fall potted plants which were kept in cold frames all Winter and brought to the Violet house in early March are now in full bloom, and what a sight they are. Far more of them should be grown by the average florist. You couldn't possibly get a more showy Easter plant than they make, and the same as a border plant. Sow the seed in a cold frame in drills, the seedlings won't need transplanting until we are through with the Spring rush. Get the mixed seed; all the colors are beautiful. If in want of blooming plants of Digitalis or Foxglove for next year, better sow out seed at once; a large percentage of the later in the season sown seed will not bloom, at least we find it that way. A little package of seed will produce hundreds of plants. Sow thinly, every seed will produce a plant and as with a lot of other things when we see the plants in bloom or get a call for some we say "I must grow some another season," but we soon forget about it in the rush of other work. The only way to do is to get busy ordering the seeds while thinking of it; it just takes a few minutes to sow them out.

Annuals

Every Retail Grower has Call for Them in Spring

For the outoftown florist it pays to have a good stock of the different annuals on hand, such varieties as a customer will use for the old-fashioned flower border. There are a great many which form suitable material to cut from, but there are really only a few which one is expected to have on hand; among them, outside of Asters, are Marigolds, Zinnias, Cosmos, Chinese Pinks, Bachelor's Buttons, Snapdragons and Scabiosa. A sowing of all of these can be made now in the hotbed. When given plenty of room, say 4" to 5", between the rows, and sown real thinly, the little plants can stay there without being transplanted, and may be taken up as your customers want them. We are selling these seedlings, when a few inches high, at 25c. per doz., and find it a paying proposition. There is an increasing demand for them every Spring. Nasturtiums are also in demand, especially that splendid dwarf sort Empress of India. We sow them broadcast in flats, about the end of April, and pot them up afterwards, about 4 to 6 plants in a 3½" pot. There are always some of our customers who either have bad luck with the seed they sow out or have forgotten to sow; they will come in at the last minute, so to speak, asking for plants—sow out a few.

Tuberous Rooted Begonias

Potting the Plants Started in Flats

The plants intended for bedding out should be far enough advanced to go into 3½" and 4" pots. We came across a few flats of Begonias which had been removed from the hot water returns several weeks ago, and were at the time placed on shelves near the glass. While in other years these flats remained there

Bind Your Trees With Strokum

IT stops caterpillars. Strokum is easy to apply, guaranteed not to injure trees; is not unsightly, lasts entire season.

$3.00 buys a sample package of 15 pounds, enough to band fifteen trees three feet around. Express paid East of the Mississippi; West of the Mississippi, 50c. extra.

Order now, don't wait until the caterpillars have begun to crawl. Let us send you our illustrated booklet.

George Stratford Oakum Co.

165 Cornelison Avenue, Jersey City, N. J.

Please mention the Exchange when writing.

for four or five weeks before the plants needed potting up, the mild weather and sunny days have produced an unusually heavy growth and nothing can be worse for a Tuberous Rooted or any other Begonia than a crowded condition of the plants. A short, stocky growth is the proper thing for them. They are not any too hardy at that, as bedding plants. While the ideal place for the potted stock would be the hotbed, a light sunny bench soil will do. Don't shade the plants yet, give them all the sun there is and plenty of ventilation. Not before the middle of May is shading needed, and then only a little during the noon hours; any more will only have a tendency to produce a spindly growth. If you intend filling some 10" or 12" bulb pans with Begonias for porch or veranda plants, fill them now; five to seven strong plants for pans of these sizes is sufficient, they will grow into splendid specimens by June 1. With us they are in great demand during the Summer months. We always find about one third of the tubers in the flats without a sign of growth, but as long as they are solid they're good; put them back and they will soon show life if exposed to bottom heat. This is far better than to pot them, in which case, if placed on a bench without bottom heat it will take them a long time before they make a growth.

Asters

Time to Sow Out the Midseason and Late Sorts

This is just about the right time to make the sowing intended for the main crop. Few of our Summer flowers are of more value than the Asters to us, and among them the midseason and late branching sorts are the best; and white, light pink and a pale lavender are the colors most useful for the florist. Asters, like Chrysanthemums, are successfully grown in almost any soil, whether light or heavy, and yet a stiff loam is to be preferred. While we use the greenhouse and shallow flats to sow out the early varieties, which by this time have been transplanted, for the present sowing the mild hotbed is the thing. Sow thinly, in rows about three inches apart; every seed will come up, and the little plants will be ready for transplanting about the middle of May and go to the field about one month later. Don't buy the mixed seed; such as is offered in separate colors costs but a few cents more and is much to be preferred. If you have a call for the small plants, as most of us who conduct a retail place have, it is well to get a small portion of a good red, deep pink and deep lavender. For the real late ones seed can be sown for three weeks yet, for far more depends on the weather conditions during August and September as to what success one has than the time of sowing the seds. Look our for the early ones; don't let them suffer on some shelf near the glass. A better place by far is the cold frame; either place the flats the plants are in on top of the soil in the frames, or, what is better, plant the little plants right out—they love the cool soil and suffer in a 90° house.

Albany, N. Y.

During the past week business in Albany has been very brisk in funeral work line, but in cut flowers it has been rather quiet, probably on account of the rush at Easter time just past. A number of prominent Albanians have passed to the world beyond which necessitated using up surplus stock of all kinds.

Fred Keller, who had taken the greenhouse establishment of R. W. Zobel has gone into bankruptcy. His stock was sold at auction to the lowest bidders on Wednesday last to satisfy creditors.

The Albany Florists' Club will hold a special meeting on Thursday evening, April 21, to arrange for a Club flower show for members only. Vases of Carnations, Roses and cut flowers of different varieties grown by members will be on exhibition. The show is to be given to create interest among the members, and will be followed by a stag smoker and entertainment, and the event promises to be a great success for all interested.

John Butts, decorator and designer for W. C. King, was laid up with pneumonia for two weeks, including Easter time, and getting over that for a period of time has been again stricken with appendicitis. He was operated on and is expected to pull through all right. He has the best wishes of all in the business for a speedy recovery.

There has been in the past week a number of Hollanders coming through here, en route to their Fatherland, all reporting a great sale of Box, Bays, and shrubs of all kinds. W. C. K.

Estimates Cheerfully Furnished **S. JACOBS & SONS** Get Our Prices and Catalogue

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Clear Gulf Cypress GREENHOUSE MATERIAL

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Everything for Erection

We carry the largest stock of **HOT-BED SASH** in the United States

Our Now **VENT APPARATUS** Will Lift Easy 100 Feet

DOUBLE LIGHT **HOT-BED SASH** Requires No Covers

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Rochester, N. Y.

The market is just recovering from being badly overstocked; in fact, since Easter until the latter part of last week all grades of stock were a glut on the market and the buyer had pretty much his own way as to matters of price. At the time of writing, however, the prospects look much brighter and the market has stiffened up and will no doubt keep in this condition if stock does not get overplentiful again. Carnations have shortened up to a marked degree and the same may be said in regard to Roses and Sweet Peas. The latter are in good demand and no trouble is experienced in getting rid of all that come in, providing of course, the quality is good; up to the present time we have had no cause to complain on this score. Violets have shortened in supply, so also has the demand, and the quality is not all that can be desired, due to the hot weather. The season is very nearly over for these flowers.

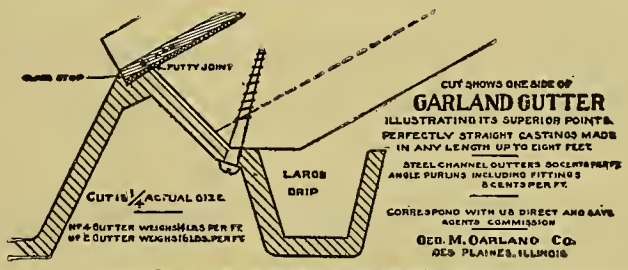
Inquiries are coming in in regard to budding stock. Although it is much too early yet to tell what the prospects are it may be said they look promising for a brisk trade and preparations are being made by the various growers for a good demand.

C. H. Vick, supt. of the trade exhibition of the S. A. F., reports very satisfactory work in connection with the souvenir album for the convention, and he is greatly encouraged by the orders coming in daily for advertising space.

Thomas Cogger has been forced to move from his Main st. location at the corner of Main and Worth sts., owing to the tearing down of the building to make way for the extension of the Sibley, Lindsay & Curr Co., who will occupy the entire block. Mr. Cogger has secured premises further up the street and contemplates opening for business again on Saturday, April 23, or thereabouts.

Club Meeting

The regular monthly meeting of the Rochester Florists' Association was held on Monday, April 11. Owing to the inclemency of the weather the attendance was not as large as would have been desired. The members were entertained by an address by Professor Judson, of Cornell, on "The Use of Ether in Forcing the Various Kinds of Bulbs." The main topic, however, was Professor Judson's remarks in regard to the Bill now in Assembly, for the appropriation of $50,000 for a range of glass houses and service building at Cornell University for the purpose of carrying on experimental work in floriculture. The benefits to be derived therefrom by the florists were very ably put forward by Mr. Judson, and a resolution was unanimously adopted by the Association heartily endorsing the appropriation. Members were also requested to write personally to their representatives urging them to take immediate action in trying to get the bill reported out of the committee on ways and means. H. B. S.



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PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

Send for Circulars **DILLER, CASKEY & KEEN.** Successors to JENNINGS BROS.

S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

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Write to us about your **Materials and Plans** for any size and style of **GREENHOUSE** for new structure or repairs.

Hot-Bed Sash in stock or any size required.

Pecky Cypress Benches most lasting—least expensive.

THE FOLEY MFG. CO. Western Ave. and 26th St., CHICAGO.

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SUMMER IN WINTER BY USING **Standard Greenhouse Boilers** One cent gets our catalog. **GIBLIN & CO., Utica, N. Y.**

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Holds Glass Firmly See the Point **PEERLESS** Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid. HENRY A. DREER, 714 Chestnut St., Phila., Pa. FULL SIZE No 2

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MASTICA FOR Greenhouse Glazing USE IT NOW. F. O. PIERCE CO. 12 West Broadway NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS N. COWEN'S SON, 14 & 16 Wooster Street, New York

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Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

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For safe, light, efficient and durable construction our houses have stood the test. Ask our customers about them.

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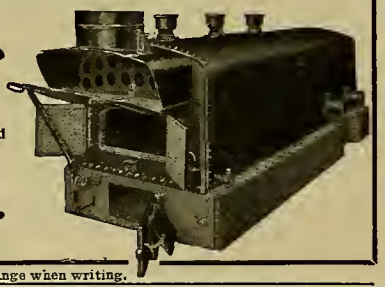
IS THE ONLY PERFECT
Hot Water Boiler



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No. 15 for a range of 50,000 sq. ft. glass heated to 60 at 15 below zero.
Prices and Catalogue on application.
KROESCHELL BROS. CO.
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Washington, D.C.

The prolonged drought which has proven such a menace to agriculture broke on Saturday last and heavy rains followed. Lilacs and other hardy shrubbery flowered profusely during the week and are now passing; the blossoms were never finer or in greater profusion.

Two new organizations are being formed in Washington which, if successful, will mean an increased local demand for seeds and plants. The first is a movement to beautify all vacant lots and unsightly places with quick growing shrubbery and vines. The second organization has already inaugurated its work, having secured no less than three plots of ground in as many different sections of the suburbs, upon which the poor are invited to raise vegetables for their own use. A certain proportion of land will be allotted each applicant, and the whole placed under a competent superintendent to direct the work. This, like the foregoing is to be carried on by public subscription, with some of the Washington ladies in charge. Prof. D. G. Fairchild of the Dept. of Agriculture is president of the latter very worthy undertaking.

It is understood from good authority that in Baltimore a company is forming for the purpose of introducing and putting on the market a new fertilizer, the discovery of a German, and which it is claimed has been tested in that city for several years with most satisfactory results. While the chemical fertilizer is used for all purposes, and put up in different forms accordingly, the chief feature of merit seems to lie in its beneficial results for all kinds of trees and shrubbery. For such use it is put up in capsules which are placed in the soil about the tree and conducted by moisture and rising sap. It is claimed to absolutely kill all scale and disease, to produce a vigorous growth, and that the chemicals continue active in the soil for four years without renewal. The local Department of Agriculture is now conducting a series of tests.

JAS. L. CARBERY.

Providence, R. I.

Waller Sword, florist, of Valley Falls was married on April 16 to Mrs. Almira J. Bishop. After the ceremony the couple left for Boston and New York on a wedding trip.

John Macrea is cutting a very fine stock of Daffodils, Carnations and Harrisii Lilies.

J. A. Budlong & Sons Co. have an immense crop of good Roses on. At the present time they grow My Maryland, Richmond, Killarney, American Beauty, Bride and Bridesmaid. This concern is one of the largest in Rhode Island.

T. L. O'Connor, manager of the O'Connor salesrooms on Westminister st., reports the greatest Winter and Spring business ever had. This concern does most of the business of the "four hundred" here.

Olney H. Williams & Sons of Pocasset, R. I., have closed their store on Mathewson st. here. Mr. Williams bought this flower store two years ago from Thomas F. Kellar, a florist, to use as an outlet for the great quantity of cut flowers and bedding plants he grows, and as a convenience to the retailers here, as the Williams greenhouses are five miles from the center of this city. Mr. Williams was forced to abandon the store owing to his increasing business at his greenhouses. Mr. Williams was appointed, during the past week, custodian for his father's estate, the late Alfred A. Williams, under a bond of $15,000.

Ernest Johnson, first assistant and shipping clerk at T. J. Johnston & Co.'s store, is a bright active young man and with his new checking system of delivery mistakes are unknown here. Mr. Johnson took a position here three years ago as an errand boy, and today he is an expert designer and salesman.

Alex and Walter S. Macrea are of the committee of arrangements on the Sixty-sixth anniversary of Roger Williams Lodge, I. O. O. F., to be held at a future date.

Howard Pepper, manager of the Melrose Garden Co., has leased a lot of land at the corner of Elmwood ave. and Wilson st., where he has set out 2500 Rose bushes for show and commercial purposes.

J. L. Reynolds, clerk at T. J. Johnston & Co.'s, who has been in the R. I. Hospital since Thanksgiving week with a complication of blood poisoning and pneumonia, is not convalescing as fast as his many friends had hoped. Mr. Reynolds was up and around the hospital grounds for a week or more but had to take to his bed again recently.

Mrs. Timothy O'Connor, wife of Timothy O'Connor, Sr., is confined to her bed with rheumatism, from which she has been a great sufferer for years.

John Canning, son of J. B. Canning, who is only out of school a year, has become an expert designer. He is also bookkeeper and head man in the making-up department of his father's place.

The Market

The great influx of cut flowers of all kinds coming in a week ago has greatly diminished, owing to a very good week's business and a decided drop in temperature, but there is still a great sufficiency. Funerals, weddings and social functions were very numerous during the past week and transient trade was good. On Monday the market was cleaned out of Lily of the Valley, Sweet Peas, American Beauty, Richmond and Killarney Roses and Orchids, owing to a charity ball at the Narragansett Hotel that evening. Sweet Peas have shortened up considerably and are selling for $1 to $1.25 per 100. The Violet season has passed but there are still plenty of flowers in the market at $2 per 1000. Roses My Maryland, Killarney and Mrs. Taft are bringing $5 to $8 per 100; Richmond, $6 to $10; American Beauty, $15 to $35; Bride and Bridesmaid, $4 to $6. Carnations are coming in plentifully and in good condition and are selling for $1.50 to $2.50 per 100. Bulbous stock is very abundant and good stock of Tulips and Daffodils are bringing from $1.50 to $3 per 100. Harrisii Lilies bring $8 to $10 per 100, and Callas 75c. to $1 per doz. Double White Stocks are to be had at 50c. per doz. Trailing Arbutus is about finished for this season, the last selling for $5 per 100 bunches. Mignonette, Pansies, Candytuft, Forget-me-nots and Daisies are to be seen in great quantities, as well as hardy trees and shrubs. Green goods, Asparagus, Adiantum and Ferns are selling fairly well. Nurserymen report business 50 per cent. better than last year.

G. A. J.

Stephen Green of H. Bayersdorfer & Co., Philadelphia, was a recent visitor and reports trade very good.

Johnston Bros., Dorrance st., have a large decoration on hand this week, using over 5000 Winsor Carnations.

Reed & Keller's representative was in town Saturday and Sunday of last week.

It is reported that the best Sweet Peas coming to Providence are grown by A. Holcher, who has the best display of Sweet Peas the writer has seen this season.

Willis S. Pino, of the leading florist supply and retail seed house of Providence, reports business far ahead of previous seasons.

No serious damage has been reported from the effects of the present cold weather. Wednesday morning the thermometer registered 30 degrees, some reports from the suburbs were as low as 22 degrees.

Noonan Bros. are bringing in some very fine Pansies.

H. C. N.

Are you going to build a **Sash Bar, Semi-Iron Frame** or **Iron Frame Greenhouse?** We have interested others in our methods of construction and in our prices—why not you?

ISAAC CASSIDY,
Summer Ave. and Erie R. R.
NEWARK, N. J.

Please mention the Exchange when writing.

GLASS
Higher Prices Sure
Save on Construction or Repairs
Buy now. Write us for prices.
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The Most Economical and Efficient Boiler for Greenhouse Heating

CENTRALIZE YOUR HEATING PLANT

The economy in heating large ranges of glass from a central plant is so great that the first cost is repaid in a few years.

Following are a few plants which we designed and installed:

THOMAS YOUNG, JR.
BOUND BROOK, N. J.

150,000 sq. ft. glass heated by steam from a central plant; the exhaust from pumps is passed through a condenser which heats 2-150 foot propagating houses with hot water.

F. R. PIERSON CO.
SCARBOROUGH-ON-HUDSON, N. Y.

150,000 sq. ft. glass heated by steam from a central plant; the steam is passed through condensers and the hot water is forced through the houses with circulators.

JOHN N. MAY
SUMMIT, N. J.

75,000 sq. ft. glass heated by steam from a central plant.

Estimates and Full Information Furnished Without Charge

JOHNSTON HEATING CO.
138 East 31st St., New York

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The book of WATER GARDENING
By Peter Bisset. Price, postpaid, $2.50
A. T. DE LA MARE PTG. & PUB. CO. Ltd

Indianapolis

E. T. Barnes of Spencer, Ind., has in the past few years earned quite a reputation as a grower of field flowers. His Dahlias, Gladioli and Asters are well known in the surrounding States. Mr. Barnes was in the city last week arranging for the sale of a quantity of field grown bulbous stock, his latest venture. The quality is certainly fine and much lower in price, naturally, than is possible for the indoor goods.

Anthony Wiegand celebrated his fifty-first anniversary in the florist business last week with a theater party at the Grand Opera House, followed by a lunch and a smoker at the Elks' Club.

The nurserymen and landscape gardeners are enjoying a most profitable season; propitious weather and liberal orders keep them busy.

Robert Ellis of Bertermann's has had his men busy planting a large shipment of hardy shrubs and conifers at the Cumberland plant.

W. Fachmann, the wire man, has invented a popular puzzle appropriately termed "Treeing the Possum."

Henry Rieman has been busy with large funeral orders of late.

Bauer & Smith are cutting fancy Gladioli.

Roepke and Rieman offer several thousand fancy Sweet Peas daily.

Alvin Schrieber has recovered and is again with the boys.

Irwin Bertermann visited Knightstown and Richmond last Sunday. I. B.

Milwaukee

Unusual weather conditions have prevailed in this territory since the first part of March. With the exception of two or three days we had continuous sunshine daily throughout the month and the average temperature was that of April and May.

The season is advanced just about thirty days over last year. Tulips have been in bloom for over a week now. Lily of the Valley is in bud. Lilacs are well in bud and will be in full bloom in a few days. Forsythias and Weigelas, as well as Apple, Plum and Cherry trees, are in full bloom. All outdoor shrubs are thus well advanced.

The unusual early season made it difficult for the nurserymen, who were not prepared to handle the early rush; stock that was heeled in and kept shaded was sprouting rapidly. Indications are that there will be no outdoor flowers for Decoration Day, except possibly Peonies, which heretofore were shipped up from Southern States, but with continued warm weather here might come in about right.

Cut flower trade was only fair the past two weeks; nothing special was doing to stimulate the demand, and there was plenty of stock in all lines to meet the demand. White Carnations and Sweet Peas were about the only items which cleaned up daily. Callas were a glut on the market. Outdoor Tulips and Daffodils were also plentiful. The demand for bedding stock is beginning and a heavy trade in that line is looked for.

Mauke Bros., Mueller and Shrader are adding two houses each for Carnations.

C. B. Whitnall, a member of the Florists' Club, was elected city treasurer on the Social Democratic ticket.

Jas. Karins of H. A. Dreer was a recent caller. C. C. P.

For Good Serviceable **SECOND-HAND PIPE**
Our prices are—1 in. pipe, $2.52; 1¼-in., $3.56; 1½-in., $4.05; 2-in., $5.55; 2½-in., $8.50; 3-in. $11.00 per 100 feet. We also sell Boiler Tubes.
ALBERT & DAVIDSON, Brooklyn, N. Y.
Tel. 2225 Williamsburg 68-70 Troutman St
Please mention the Exchange when writing.

GREENHOUSE GLASS
ALL SIZES
16x24 A. & B. Double a Specialty
C. S. WEBER & CO.,
10 Desbrosses St., New York
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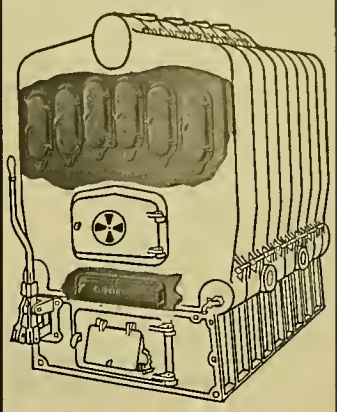
The Burnham



Every flue has its own separate clean-out door—you can clean any flue at any time with any fire.

Do not warp out of shape like big doors and affect the draft.

LORD & BURNHAM CO.
IRVINGTON, N. Y.
New York Boston Philadelphia Chicago

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Payne "T" Bar Greenhouses

THE LIGHTEST AND STRONGEST MADE

SEND FOR DESCRIPTIVE CIRCULAR

JOHN A. PAYNE, Horticultural and Heating Engineer
260-274 Culver Ave., JERSEY CITY, N. J.

Please mention the Exchange when writing.

We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.

The A. T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

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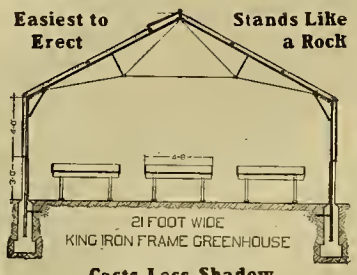
How About This?

"The Best Houses we have and we erected them ourselves without any trouble."—*From one of the well known growers in Jersey.*

Easiest to Erect

Stands Like a Rock



Casts Less Shadow

"Ask the Man Who Has One"

John Young Co., New York City, 54 by 561.
Scott & Son, Sharon Hill, 5 houses, 25 by 166.
John N. May, Summit, N. J., Whole Range, 5 houses, 28 by 228.
E. W. Fengar, Irvington, N. J., 3 houses, 28 by 150.
G. F. Neipp, Chatham, N. J., 42 by 300.
C. E. Meehan, Holland, Pa., 50 by 300.
Florex Gardens, North Wales, 172 by 700.
John W. Young, Germantown, Pa., 2 houses, 35 by 300.

Why Not You?

KING CONSTRUCTION CO., NORTH TONAWANDA, N. Y.

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Order Your Material Now!!!

DON'T wait until May or June and then expect to get your goods in double quick time. Take the matter up right after Easter and get things under way so you will not be delayed this Spring.

This is going to be the biggest building year yet and if you have the money and space by all means put up some more glass and do it at once!

Send for our catalogs:
No. 4—Greenhouse
No. 5—Boiler
No. 6—Pipe & Fittings

John C. Moninger Co., Chicago
906 Blackhawk Street

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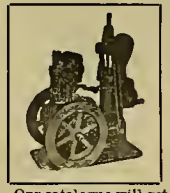
WATER SUPPLY



HAVE you figured out how much COAL and TIME you use for your **pumping during the summer months**, and compared this with the expense of a few cents worth of gas or gasoline used by THE STANDARD PUMPING ENGINE for doing BETTER WORK IN LESS TIME?

Our catalogue will get you to thinking about it. Sent on request.

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to trim lawn edges. With Barr's Lawn Edger one can trim around flower beds, fence borders, walk edges, while standing. A lady or boy can use it—it's light, strong, simple, durable. First practical edger ever made. Guaranteed 1 year. Money back if not as stated.

$1.50, delivered to any part U. S.
Barr-Ribsam, Ltd., Lancaster, Pa.
Dealers, ask for price

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STRICTLY RED GULF CYPRESS, milled to any detail.
SASH, BARS, in all lengths up to 32 feet.
HOT BED SASH a specialty.

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CHEAPER AND MORE DESIRABLE THAN WOOD.
ANY WIDTH—ANY LENGTH.
PERMANENT—NO REPAIRING.
PATENTED SYSTEM ALLOWS ANY AMOUNT DRAINAGE DESIRED.

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ONE MADISON AVE.
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The Truly Successful Method of Greenhouse Building

You send your order for certain cypress parts of your house to one firm, just because they say: "That's all they make, and ought to know how to make it."

You buy glass from another concern; fittings from still another, shopping about with half a dozen or more firms and then to cap the climax, you go to your local hardware man for the paint and putty.

At once your troubles begin—one order comes and another doesn't; others come straggling along, and you have no end of correspondence with all these different firms, each doing business in a different way. Finally, when at last everything is on the ground, ready for erection, you have a grand mixture, each lot fairly good in itself, but being made by different firms, there is no uniformity, no relation one part to another, and things won't go together the way materials do that are all turned out by *one concern*, with the *one idea* of making that *one house of yours* the best possible. So this matter of placing your order all with one concern is economy for you. And there is no one concern equipped to handle your job as we are.

The Sectional Iron Frame House is the safe and sure house for all widths.

LORD & BURNHAM COMPANY

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NEW YORK	BOSTON	PHILADELPHIA	CHICAGO
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That we manufacture Steam and Hot Water Boilers.
That we contract for and erect Heating Apparatus.
That we make a specialty of curing defective apparatus.
That our staff of Heating Engineers is reliable and competent
That our Mechanics—pipe fitters—boiler makers, etc., are all first-class.
That it will pay you to get our suggestions and estimates.

ESTABLISHED NEARLY 50 YEARS

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U. G. SCOLLAY, Manager L. D. Telephone, 1492 Main

PROPOSED FORMATION OF A GLADIOLUS SOCIETY | A MEMORIAL DAY WINDOW DECORATION

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 18 | NEW YORK AND CHICAGO, APRIL 30, 1910 | One Dollar Per Year

Widener Hall N.A.C. Amherst MASS

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IN BUD AND BLOOM

Fine plants for immediate or later sales.

6-in. pots, five to six blooms each, **75c.** and **$1.00** each.

Select Ferns For Fine Store Trade

Nephrolepis elegantissima Improved. Finest of this type. An improved form of Elegantissima, which shows no tendency to revert to the Boston, making it an exceptionally desirable fern for commercial or private use.

Fine plants in 4-in. pots, **$3.00** per doz.; 6-in., **$6.00** per doz.

Nephrolepis superbissima. A very distinct fern; very compact, with dark green foliage and of dense growth.

Extra fine plants in 4-in. pots, **$3.00** per doz.; 6-in., **$6.00** per doz.; 8-in., **$12.00** per doz.

Nephrolepis Bostoniensis. Extra fine, large plants, 10-in., **$3.00** and **$4.00** each; 12-in., **$5.00** and **$6.00** each; larger specimens, **$7.50** to **$10.00** each—according to size.

Small Ferns for Fern Pans, Assorted, $4.00 per 100.

F. R. PIERSON CO.

Tarrytown-on-Hudson **NEW YORK**

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A. N. PIERSON, Inc. Cromwell, Conn.

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NEWER VARIETIES

Special Planting Prices.

Gloria, Pres. Taft, Mrs. W. E. Kelley, Patty, Dolly Dimple, Merry Jane, Lynnwood Hall, Golden Chadwick, Virginia Poehlmann. Rooted cuttings, $4.00 per 100, $30.00 per 1000; plants from 2¼-in. pots, $5.00 per 100, $40.00 per 1000.

STANDARD VARIETIES

WHITE.

EARLY: **George S. Kalb, Polly Rose, Early Snow, October Frost, Ivory, Clementine Touset.**

MID-SEASON: **Mrs. Clay Frick, Mrs. H. Robinson, Beatrice May, Alice Byron, Miss Minnie Wanamaker, White Cloud.**

LATE: **Mrs. McArthur, Timothy Eaton, W. H. Chadwick, J. Nonin, Moneymaker.**

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EARLY: **Glory of the Pacific, Roeiere, Pacific Supreme.**

MID-SEASON: **Pink Ivory, J. K. Shaw, A. J. Balfour, William H. Duckham, Morton F. Plant.**

LATE: **Maud Dean, Mayor Weaver, Dr. Enguehard.**

YELLOW.

EARLY: **Monrovia, Golden Glow, Crocus, Comoleta.**

MID-SEASON: **G. Pitcher, Col. D. Appleton, Mrs. Wm. Duckham.**

LATE: **Major Bonnaffon, H. W. Reiman, Yellow Eaton, Mrs. E. D. Smith, Nagoya, Golden Eagle.**

RED.

Cullingfordii, Merstham Red.

Rooted cuttings: 5c. each, 50c. per doz., $2.00 per 100, $15.00 per 1000. From 2¼-in. pots, 5c. each, 60c. per doz., $3.00 per 100, $25.00 per 1000.

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PINK: **Eleganta, Alma, Alena, Acto.**

YELLOW: **Baby, Klondike, Quinola, Zenobia, Sunshine, Lodi, Savannah.**

From 2-in. pots, 5c. each, 60c. per doz., $3.00 per 100, $25.00 per 1000.

BABY MARGARET

We have a large stock of this dainty White Pompon, and no mistake is made in planting this variety where White Pompons are in demand.

Plants from 2-in. pots, $1.00 per doz., $4.00 per 100, $35.00 per 1000.

POMPON ANEMONE

GARZA. The well-known white variety; considered the best variety in its class.

From 2-in. pots, 5c. each, 50c. per doz., $3.00 per 100, $25.00 per 1000.

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Asparagus Plumosus Nanus

Extra heavy strings

50 cts. each

Have a fine lot of young Rose plants to offer:

American Beauty, My Maryland, Kaiserin, Bride, Rhea Reid, Bon Silene and **Safrano.**

Write for prices

W. H. ELLIOTT

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Our collection is acknowledged to be the finest and most complete in the country, being awarded in 1910 a diploma of maintained superiority for five years by the American Institute of New York. Our catalogue describes over 100 varieties, at $2.00 per 100, $18.50 per 1000.

CANNAS, Jean Tiseot, Pres. Meyers, Pennsylvania, Buttercup, Louisiana, Egandale, Florence Vaughan, Alph. Bouvier, from 3-in. pots, at 75c. per doz., $3.00 per 100, $25.00 per 1000.

	2-in. Per 100	2-in. 1000	3-in. 100
CENTAUREA Gymnocarpa	$2.00	$18.50	$3.00
CINERARIA, Maritima Candidissima	2.00	18.50	3.00
APPLE GERANIUMS	2.00	18.50	4.00
ALTERNANTHERA, Red and Yellow	2.00	18.50	
COLEUS, Golden Bedder and Verschaffeltii	2.00	18.50	3.00
GERMAN, or PARLOR IVY	2.00		
GERANIUMS, Standard Varieties	2.00	18.50	
GERANIUM, Ivy Leaved	2.00	18.50	3.00
FUCHSIAS	2.00	18.50	3.00
LEMON VERBENA	2.00	18.50	3.00
PETUNIAS, Double Mixed Colors	2.00	18.50	3.00
PETUNIAS, Dreer's Superb Single	2.00	18.50	3.00
VERBENAS, Red, White, Pink and Purple	2.00	18.50	3.00
SWAINSONA, alba	2.00	18.50	3.00
HARDY IVY	2.00	17.50	
SALVIA, Bonfire and Zurich	2.00	17.50	3.00
ASTERS, Vick's Early and Late Branching, Select colors, strong, transplanted plants	2.00	18.50	

DAHLIA PLANTS, from 2-in. at $2.00 per 100 up; for $18.50 cash, we will send 1000, 50 each of 20 distinct varieties including Show, Decorative and Cactus.

Cash with Order. Visitors Always Welcome.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

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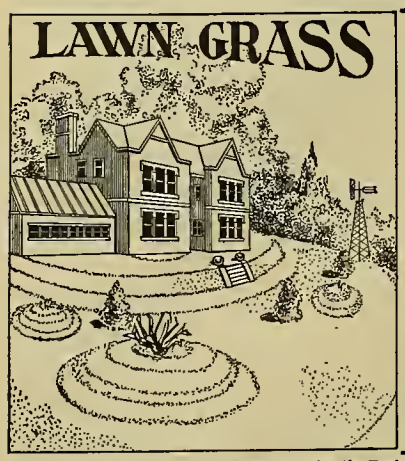

Grass Seed

Put up in handsome lithographed packages. Pints, $4.00 per 100. Quarts, $7.00 per 100.

Ground Bone

200 pounds, $4.00; Ton, $35.00.

Nitrate of Soda

50 pounds, $2.25; 100 pounds, $4.00.

Wm. Elliott & Sons

42 Vesey St., NEW YORK

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Order now and be sure to grow this year

Rawson's Gold Medal Chinese Primulas

Without doubt the finest strain in the country

We offer the following colors: Pure White, Brilliant Pink, Deep Blue, Crimson, Salmon, Bright Chrietmae Red, and White with Red Eye; also a wonderful mixture at the price of:

Per Hundred seeds, 50c.; thousand seeds, $4.00

The proper time to sow Primulas is during the month of May, so please do not delay in ordering.

W. W. RAWSON & CO., Seedsmen

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KENTIA SEED For Immediate Delivery

	Per 100	1,000	10,000
Kentia Forsterlana	$0 50	$4 50	$40 00
" Belmoreana	50	4 00	37 50
Cocos Weddelliana	1 00	7 50	70 00
Areca lutescens	1 00	7 50	70 00
Latania Borbonica	30	2 50	20 00

	Per 100	1 000	10 000
Livistona rotundifolia	2 00	$17 50	
" Chinensis	1 00	7 50	$70 00
Phoenix Canariensis	30	3 00	27 50
Phoenix Roebelenii	1 00	7 50	
Musa Ensete	1 00	7 50	

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HIGHEST GRADE ONLY

Send for special wholesale catalogue for Market Gardeners and Florists

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Flower Seeds, Market Garden and Field Seeds, all kinds of Tender and Hardy Plants, Tuberoses, Dahlias, Gladioli, Small Fruits.

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Pint packages, 75 cents. per dozen, $6.00 per 100; quart packages, $1.50 per dozen, $12.00 per100; bushel (16 lbs.), $2.75

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PRIMROSE SEED

IMPROVED CHINESE

Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 600 seeds, $1.00; 1000 seeds, $1.50; half pkt., 50c. Have the varieties separate, also.

PRIMULA Kewensis, the grand, new, sweet-scented, Yellow Primrose, pkt. 25c.

CINERARIA Finest large-flowering dwarf, mixed, 1000 seeds, 50c.

GIANT PANSY The best large flowering varieties, critically selected 5000 seeds, $1.00; half pkt., 50c.; oz., $2.50. 500 seeds of Giant Mme. Perret Pansy Seed added to every $1.00 pkt.

CASH. Liberal extra count.

JOHN F. RUPP, SHIREMANSTOWN, PA.

RUPPTON: The Home of Primroses

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Try The Following

CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
STOCKS—"Burnett's Perpetual White."
CAULIFLOWER—Burnett's Selected "Snowball."
BURNETT'S LIBERTY TOMATO

Write for our Illustrated Catalogue

BURNETT BROS.,
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72 Cortlandt St., New York City
Telephone 2223 Cortlandt

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FRESH MUSHROOM SPAWN

ENGLISH AND AMERICAN

VAUGHAN'S SEED STORE

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Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C. Trade Mark **American Spawn Co., St. Paul, Minn.**

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Tuberoses

	100	1000
PEARL DOUBLE. No. 1, large, 4/6	$0.90	$7.00

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(CALADIUMS)

	Doz.	100
7/9-inch	$0.50	$3.00
9/11-inch	.85	6.00
11/12-inch	1.50	10.00
12/18-inch	2.00	15.00

Cycas Stems

Fresh, just in from Japan.	Per lb.
10-lb. lots	$0.10
25-lb. lots	.08
100-lb. lots	.07½
Case (300 lbs.)	$21.00

STOKES' SEED STORE
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	Per 100	1000
BEET PLANTS	$0.20	$1.25
CABBAGE PLANTS, full list of leading varieties, 10,000 and over, 85c. per 1000	.20	1.00
EGG PLANTS	.40	2.00
LETTUCE PLANTS, Grand Rapids, Big Boston, Boston Market and Tennis-Ball, 10,000 and over at 85c. per 1000	.20	1.00
PEPPER PLANTS, Bull Nose, Sweet Mountain and Ruby King.	40	2.00
TOMATOES, Small Plants of Earliana, Early Jewel, Dwarf Stone, Champion, Ponderosa and Matchless	.30	2.00
TOMATOES, Small Plants of Stone, Paragon, Favorite and Success	.20	1.00

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Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

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Seasonable **Seeds** for the **Florists**

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THE EXCHANGE—Best Advertising Medium

DOUBLE PEARL
Tuberoses
Extra Large Bulbs, 4 to 7 in. in Circumference
90 cents. per 100, $7.00 per 1000

CALADIUMS
(ELEPHANT'S EARS)
Clean, Sound Bulbs with Center Shoots

	Per 100
5 to 7 inches	$1.25
7 to 9 "	3.00
9 to 11 "	6.00
11 to 14 " Extra quality	10.00

See our Bulb Offer in last week's Exchange

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SEASONABLE SEEDS
CALADIUM esculentum, Fancy Caladiums from Brazil.
GLADIOLI, all sorts. Japan IRIS. Japan LILIES.
Double-flowering CHERRIES.
Send for our new Spring list.
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S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.
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BURPEE'S SEEDS
PHILADELPHIA
Blue List of Wholesale Prices mailed only to those who plant for profit.
Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS NANUS
NEW CROP
100 Seeds..... $0 50 500 Seeds..... $2.00
1000 Seeds.....$3.50
Our Flower Seed Catalogue free on application
THE MOORE SEED CO., 339 Market Street PHILADELPHIA, PA
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GRANDEST COLLECTION of ASTERS EVER OFFERED
100 Named Varieties, one plant each of every variety, $1.25; ½ doz. of each variety, $5.00; one doz. of each variety, $7.50.
Queen of the Market, Late Branching, Comet, Chrysanthemum Flowered, Peony Flowered, Victoria and Ostrich Plume, in the different colors, separate, 40c. per 100, $2.50 per 1000, $20.00 per 10,000, $1.75 per 100,000.
ASTERS IN GRAND MIXTURES
Mixture No. 1. A superb Florists' Novelty Mixture including all the best cut-flower varieties from the earliest to the latest, furnishing flowers the entire season through, 50c. per 100, $3.25 per 1000, $30.00 per 10,000, $250.00 per 100,000.
Mixture No. 2. This is strictly a Florists' Mixture of standard varieties, not one objectionable variety in the lot, 35c. per 100, $2.00 per 1000, $18.00 per 10,000, $150.00 per 100,000.
National Co-Operative Show Gardens
SPENCER, INDIANA
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7-Top Turnip Seed
ADVANCE ORDERS NOW TAKEN FOR CHOICE GRADES OF
Seven-Top Dixie Frost King Prize Taker
Now in full bloom on Bloomsdale Farm. Contract Price, $200 per Thousand Pounds.
Plants from this Seed of hardy Northern breed, very superior to the less hardy Southern type stand any amount of snow and ice without injury.
The Seed will be harvested about the 20th of June and ready for shipment about the 1st of July.
D. LANDRETH SEED COMPANY
Also KALE—Dwarf German, $20 per 100 lbs. Siberian . . . 18 per 100 lbs.
BRISTOL, PENNA.
Please mention the Exchange when writing.

We Would Announce the Opening of Our New Store
"BUDS"
76 Barclay St, NEW YORK
HIGH GRADE SEEDS BULBS and PLANTS
CARL R. GLOECKNER, Pres.
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I Sell Aphine
I Sell Privet
I Sell Everything for the Florist and Private Trade
C. McTAGGART
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BOSTON, MASS.
SEEDS
For Florists, Market Gardeners and Critical Buyers
Wholesale list mailed to those using seeds in quantity
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CAULIFLOWER CABBAGE SEED
MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK
Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS
ALL COLORS
SEND FOR LIST
ANTON C. ZVOLANEK, Bound Brook, N. J.
Please mention the Exchange when writing.

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4238 Gramercy NEW YORK CITY
Please mention the Exchange when writing.

FAMOUS ASTER **Lady Roosevelt**
Last Special Offer of Seed This Season, ⅛ oz. 25c., ¼ oz. 40c. Order to-day and get my special Aster Plant Catalogue. Plants ready to ship by Mail or Express by May 10.
JOHN S. WEAVER
Box F Glen Mawr Seed Farms KINZERS, PA.
Please mention the Exchange when writing.

AMERICAN SEED TRADE ASSOCIATION

President J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard H. Vaughan, Chicago.

IMPORTS, ETC.—April 19.—Maltus & Ware, 121 cases trees; W. Elliott & Sons, 22 cases trees; J. Friedenberg, 5 cases trees; McHutchison & Co., 1 case shrubs and trees; Rooney & Spence, 18 cases shrubs and trees; Davies, Turner & Co., 1 case bulbs; C. C. Abel & Co., 18 cases bulbs; C. A. Haynes & Co., 5 case plants and bulbs. April 20.—Maltus & Ware, 1 case Orchids; J. Roehrs Co., 5 cases Orchids; F. B. Vandegrift & Co., 2 cases Rose trees. April 23, 24.—L. Dupuy, 5 cases plants; Maltus & Ware, 4 cases Orchids.

League Directors' Meeting

A Board Meeting of the Wholesale Seedsmen's League will be held in New York City on Thursday, May 5, to suggest what, in the opinion of the Board, should be the wholesale values, at this present time, of certain scarce varieties of garden seeds sold for immediate shipment, also as respects trade prices for advance orders for certain biennial seeds now being daily booked for shipment next Winter.

This proposed course of naming trade values is only suggestive and will be taken by the Board consequent upon the marked advance in price of all unsold European stocks of seed of biennials, past crop 1909 and all uncontracted stocks of incoming crop 1910, the values, notably of Beet, Cabbage and Turnip, having in many cases enormously increased in France, Germany and England.

European Notes

Further news from southern France confirms previous reports of the extensive damage done by the frost on March 31, but in the main it appears to be confined to the early vegetables (primeurs), very little injury having been done to the growing crops of seeds. This disturbance appears to have broken up the cold drought which has in many districts given place to warm, showery and rather dull weather; all of which is just what we require. If growers were only as amenable to our overtures as their land is to the kindly offices of plow and hoe, all would be well. What the final result will be we must "wait and see."

The brisk demand for Onion seed still continues and stocks of the long keeping varieties are now very low. The demand for these special strains has been better than for some years past and shows that the gardeners are preparing to follow a

If you see a pile of empty Lily Bulb boxes stencilled "Horseshoe Brand" in a grower's back yard, it is an indication that he buys the best the market affords. You will find good quality within, and it is a safe place to buy. It gives the grower a reputation for buying the best the market affords. "Horseshoe Brand" Giganteums are produced from the choicest seed-bulbs in the world. They will produce the best average in quantity and quality of flowers of any brand known.

Write us or call

RALPH M. WARD & CO.
12 West Broadway—New York

"NOT HOW CHEAP—
BUT HOW GOOD"

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Headquarters for Spring Bulbs

Begonias, Cycas Stems
Caladiums, Iris Roots
Cannas, Cinnamon
and Madeira Vines

250 Varieties Dahlias

We are headquarters for Dahlias and can supply every worthy sort; highest quality at lowest price.

Our selection best commercial sorts, **$1.00** per dozen, **$8.00** per 100.

Gladioli by the 100 thousand; **Japanese Lilies, Tuberoses, Fern Balls.**

Everything in bulbs, seeds, plants and horticultural supplies. Our catalogue will interest you. Send for copy today. Lowest wholesale prices for good goods.

HENRY F. MICHELL COMPANY, 10th and Market Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Cannas

Our own home-grown stock is true to name. Extra Selected, plump, sound, roots.

	Per 100		Per 100
Alsace, white	$1.50	McKinley	$1.40
B. Poitevine	1.75	Niagara	2.50
Buttercup, new	1.50	Pennsylvania	1.50
Black Beauty	2.50	Premier, gold ed	1.75
Brandywine	2.00	Pres. Meyers	2.00
Chas. Henderson	1.50	Queen Charlotte	2.00
D. of Marlboro'	2.00	R. Wallace	2.50
Egandale	1.50	So. d'A Crozy	2.25
Express, dwarf	2.00	Venus, new	3.00
King Humbert	4.50	Wm. Saunders, new	10.00
Louisiana	1.50	Wm. Boffinger	1.50
Mad. Crozy	2.00	Sep. colors mix.	1.00
Mont Blanc	4.50		

CALADIUM Esculentum (Elephant's Ears).

	Doz.	100
6-8 in. circumference	$0.25	$1.75
8-10 in. circumference	.50	3.50
10-12 in. circumference	.75	5.50

TUBEROSES, Dwarf Pearl, 1st size, $7.50 per 1000, 80c. per 100; 2nd size, $4.50 per 1000.

Shellroad Greenhouses
Grange, Baltimore, Md.

Please mention the Exchange when writing.

CANNAS

KING HUMBERT, CHAS. HENDERSON, EX. CRAMPBELL, MAD. CROZY, ALPHONSE BOUVIER, MLLE. BERAT, FLORENCE VAUGHAN, SOUV. DE ANTOINE CROZY.

Write for special prices, stating quantity wanted.

FRESH TOBACCO STEMS. Bale of 300 lbs. $1.75; Ton $9.00.

W. C. BECKERT
SEEDSMAN
103 Federal St., N. S., Pittsburg

Please mention the Exchange when writing.

¼ Million Canna Plants

OVER 100 VARIETIES

Started in beds out of doors, strong well-rooted plants.

Prices range from $1.50 per 100 up, according to varieties and quantity wanted. Plants ready after April 15, they will be packed light in moss. Send us a list of your wants and let us quote you prices. We also have dry roots in many varieties.

Frank Cummings Bulb & Plant Co.
Canna Growers, MERIDIAN, MISS.

Please mention the Exchange when writing.

Canna Plants

750 Charles Henderson } 35 plants in a flat.
750 Alphonse Bouvier } $1.50 per flat.
These Cannas were grown in the flats.

VINCAS

400 Vincas, 3½ inch pots, $8.00 per 100.

QUIDNICK GREENHOUSES
J. H. Cushing, Prop., Quidnick, (Anthony P. O.) R. I.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

falling market, for the present prices offer no inducement to increase the culture. The earlier and softer varieties of Onion are practically neglected; the same is true of Leek.

Spinach is rather an interesting subject for us just now. Such a large percentage of last year's crop was destroyed by the rains, that when all orders were completed our stores were empty. And now inquiries for Summer supplies are beginning to come in. An early harvest may possibly enable us to ship seeds of Bloomsdale, Early Giant Thick-Leaved and Viroflay sufficiently early for Autumn sowing, but the experience of the past three years makes this very doubtful, except in the case of the Bloomsdale.

An extraordinary increase is shown in the demand for New Zealand Spinach, and as growers of this article are prepared to accept a very moderate price the sale of this most reliable and useful vegetable is worthy of the seedsman's attention.

In the "Novelty Number" of The Florists' Exchange (far and away the best publication of the kind that has ever appeared, and for which the seedsmen of two continents have reason to be very grateful) special mention is made of the Dimorphotheca aurantiaca and Gerbera hybrida. It may be of interest to state that the sales of these two splendid novelties have beaten all records; nothing approaching them has been known for many years. As they are both well adapted for your climate the writer ventures to predict an immense demand for them in the near future. When understood, they are as easy of culture as the Eschscholtzia or Shasta Daisy.

A steadily growing demand is reported for the lovely Nice Stocks which have been so energetically pushed to the front by E. Benary. These are just now (April 11) in full bloom, and are a charming spectacle. All the colors needed to make an effective display are now available; the culture is simple and the graceful habit of the plant combined with the delightful fragrance of the flowers should commend them to florists and amateurs alike. Another Stock that is worthy of the attention of both seedsmen and florists is the white Wallflower-leaved East Lothian, renamed "All the Year Round," an appellation that it well deserves. As a pot plant it is easily grown, very lasting and very beautiful; the percentage of doubles is very high and the color absolutely pure. It has been in bloom for the past two months, a time when white flowers are appreciated. The clove-like perfume is not in the least offensive even in a small room.

EUROPEAN SEEDS.

American Notes

April a Record Month

It is universally conceded by the entire seed trade that the month just closing has far eclipsed in sales any April ever experienced. It would seem to be actually impossible to designate any one special line of seed selling as being deserving of particular mention, as it has been the really wonderful expansion of sales in everything handled by the seedsman that has produced the perfectly enormous totals of business accomplished this April. During the last decade, the seedsman more than ever before has recognized the fact that his

J. BOLGIANO & SON

WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS

BALTIMORE, MD.

Please mention the Exchange when writing.

customers look to him not only for seeds proper but also for their wants in bulbs, plants, nursery stock, garden tools and requisites. The natural result has been that as all these special lines have received increased attention, in just such proportion has the total volume of trade increased. Such a state of affairs will continue to intensify itself as the years go on, and it should be so; in fact, it must be obvious that the seedsmen of the large cities should act, so to speak, as the representatives of the growers of nursery stock, plants, etc. There has been a most wonderful increase this season in the demand for everything handled by seedsmen.

Immediate business continues very active, although it may now be said that the orders are under control and are being filled fairly promptly. Sunday work is practically over, and it will not be long now before the night work will begin to lessen; it has certainly been the most strenuous season that the seed trade, as a whole, has ever experienced.

Shirley Poppies

Among annuals, no class of plants will be found more ready sellers for retail counter trade than the Shirley Poppies. The range of color includes all shades of delicate rose, pink, carmine, and the most brilliant crimson; many of the large single-flowered varieties are edged with white. There are both double and single-flowered varieties, but the latter will be found to give customers the most satisfaction, and can be sold for five cents per packet. These Poppies will please every customer; they are sure to succeed in any fair location, and can be planted all through May and June. In fact, to enjoy them until frost, successive sowings should be made every ten days until well into July. For these reasons and the wonderful brilliancy of colors of Shirley Poppies they may be pushed strenuously in retail counter trade, with the surety that every customer will be pleased.

Retail Counter Business

May is the acknowledged banner month of retail counter business of the whole year, and there is no trade the seedsman does that requires more exacting attention. This retail business demands much time and care devoted to each customer's order but, well attended to, becomes a most lucrative part of the season's total sales. The most experienced employees and best seedsmen should look after this retail counter business, as no part of the entire season's orders requires more knowledge of things horticultural, so varied will be the questions asked by customers, regarding seeds, plants, nursery stock, and a hundred and one other matters. But be patient and give all the information desired; the result will be a goodly and very profitable month.

V.

DAHLIAS

Charles Clayton is my best introduction; for brilliancy, form and stem, this new Cactus leads them all. Other superb Novelties are: Mrs. W. K. Jewett, Manitou, Princess Yetive, Corona, Olive Tracy. These with other fine varieties were awarded a Bronze Medal at the Alaskan-Yukon Exposition, last season. Select list of Standard Dahlias; and Field-Grown Hollyhocks, both Double and Allegheny. Catalogue on application.

W. W. WILMORE, P. O. Box 382, Denver, Col.

Please mention the Exchange when writing.

DAHLIA SEED

From Giant Singles

Newport's Best Mixture, per packet, **20c.**

Roots of the above strain, in mixture, strong divisions of field-clumps, 15c. each, $1.50 per dozen.

Alexander MacLellan
NEWPORT, R. I.

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

Commercial Violet Culture *Price $1.50*

The Florists' Exchange, 2 to 8 Duane St., N. Y

Clean Up Sale of Roses at Cost

The following varieties we will close out at **$7.00 Per 100**

Magna Charta, Mrs. John Laing, Gabriel Luizet, John Hoppe, Victor Verdier, Duke of Connaught, American Beauty, General Jacqueminot, Alfred Colomb, Turner's Crimson Rambler, Mme. Chas. Wood, Tausendschon, Catherine Mermet, Paul Neyron, Anna de Diesbach, Dinsmore, General Washington, Captain Christy, Baron Bonstetten, Perle Beanche.

IN 100 LOTS ONLY FOR CASH

WM. ELLIOTT & SONS

(Auction Department) 42 VESEY STREET, NEW YORK

Please mention the Exchange when writing.

Gladiolus

	Per 100	1000
White and Light Shades	$1.50	$14.00
Pink Shades	1.50	14.00
Red and Scarlet Shades	1.25	10.00
Striped and Variegated	2.50	22.00
Groff's Extra Choice Mixed	1.25	10.00
Choice Mixed	1.00	8.00

Tuberoses

Dwarf Double Pearl, 4 to 6-in.	.90	8.00

WEEBER & DON

SEED MERCHANTS and GROWERS

114 Chambers St., NEW YORK

Please mention the Exchange when writing.

Gladioli

Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck and Pactole.

LILIES, IRIS, CINNAMON VINES and other bulbs for Spring planting.

Send for prices.

E. S. MILLER

WADING RIVER, LONG ISLAND, N. Y.

Please mention the Exchange when writing.

HEADQUARTERS FOR GLADIOLI and Other Bulbs

JOHN LEWIS CHILDS

FLORAL PARK, N. Y.

Please mention the Exchange when writing.

New York Seed Trade

The storm of Monday interfered considerably with the retail trade, which is now in full swing, but the falling off was quickly made up. Bedding plants and nursery stock now occupy the center of the stage with the seedsmen, as the heavier sales of seeds have slacked somewhat. The yearly retail business with the seedsmen may be said to be now at its very best.

Harry Van Koolbergen, representing Messrs. Koolbergen & Sliedrecht, Boskoop, Holland, who has been making his yearly business trip among the seed trade, sailed for Holland this week on the S. S. Kronprincessin Cecile. Mr. Koolbergen reports a most satisfactory number of orders booked for Holland bulbs.

The interior fittings of the "Buds" Seed Store, at 76 Barclay st., are almost completed, and when finally finished will present model arrangements for handling both flower and vegetable seeds.

A. F. Hills, who for some time has been in the flower seed and bulb department at Boddington's, has accepted a position with W. W. Rawson & Co., Boston.

C. McTaggart is this week holding a special sale of bedding plants including some particularly good Pansies and started Cannas.

S. D. Woodruff & Sons at Orange, Conn., and also at their Vesey st. store here, have been doing so far this season a business in seed Potatoes, Onion sets and their other specialties, much in excess of that of a year ago.

Burnett Bros. find the recent addition to their store helps them materially in handling the heavier seeds and nursery stock which their trade has this year demanded.

Wm. Elliott & Sons are making, in their auction department, a special offering of hardy Roses at $7 per hundred. The assortment which they offer at this price includes a large number of the very best varieties.

Vaughan's Seed Store is very busy this week with plant sales, having encouraged this line of trade by large and attractive sidewalk displays at their Barclay st. store.

Philadelphia Seed Trade

The seedsmen are still very busy, but are no longer so pressed as they have been for several weeks. Even now, however, the concensus of opinion among the seedsmen is that the seed trade river has not yet recovered from its freshet, and withdrawn within its natural banks.

The call for vegetable and flowering plants is very large, and the supply will, it is said, be hardly adequate to meet the demand. It is noted that for two weeks past even potted Tomato plants have met with a brisk sale to amateur gardeners, who no doubt are trusting to the tender mercies of an all wise Providence to keep off the usual frosts from the gardens.

It has been decided that the Henry F. Michell Co. will make permanent the new store opened this Spring at 518 Market st. This is one of the most spacious and convenient seed stores in America. The entire five stories and cellar are devoted to the seed business, giving something like sixty-five per cent. more room than at the old store at 1018 Market st. All shipping orders received at both stores will be packed at the new store after July 1. The new store will be very convenient for those coming across the ferries from the New Jersey side. Here, and also at 1018 Market st., the call for both hand and horse lawn mowers has been early and larger than ever before, and the demand for bulbs and roots, of which there is a complete variety, is very brisk.

At Henry A. Dreer's, a full supply is noted, not only of everything seasonable but especially of hardy flowering plants, among them varieties of Columbines, including some of the newer ones, such as Queen Helena. Rose bushes are being shipped in very large numbers; last week a carload was sent to Dubuque, Ia.

The "peeping" of chickens at the Johnson Seed Co.'s store gives the visitor a hint where he can buy good incubators, as well as good seeds.

Stokes' Seed Store is making this season very large sales of Gladioli. From its greenhouses at Moorestown, N. J., this company is a large shipper of the blooms of Lily of the Valley, which just now are bringing top prices. Here also 50,000 or more of potted Tomato plants, which by the way are said to be in short supply with many plant growers this season, are grown, of which 25,000 are being handled through the store and the rest sold direct to the New Jersey vegetable growers.

The Moore Seed Co. is showing for sale the only potted Strawberry plants thus far seen. They are of a new variety named Big Victor. The company is sending out large quantities of field Corn. The dear old Sweet William of our grandmothers is seen on sale at several seed stores, and is again becoming one of the popular hardy plants.

SURPLUS STOCK

LILIUM AURATUMS

8 to 9 inches (130 in a case), $4.50 per case

LILIUM SPECIOSUM ALBUMS

8 to 9 inches (220 in a case), $13.00 per case

CYCAS STEMS

3 to 8 lbs. (300 lbs to a case), $16.50 per case

Prices F. O. B. New York. Sold only in case lots. Stock limited. Order at once.

BAMBOO STAKES

Natural and green, various sizes always on hand

YOKOHAMA NURSERY CO., Ltd. 31 BARCLAY ST. NEW YORK

Please mention the Exchange when writing.

Ferns in Flats—SEEDLINGS

Order Now for July—August Delivery

Japanese Lily Bulbs

FOR FALL DELIVERY Special Quotations on Application

McHUTCHISON & CO.

17 MURRAY STREET NEW YORK

Please mention the Exchange when writing.

SEDALIA, MO.—L. H. Archias, President Archias' Floral Co., accompanied by Mrs. Archias and two daughters, Elise and Edith, sail from New York May 14, on S. S. Konig Albert for a three months' visit in Europe.

ATLANTA, GA.—H. G. Hastings & Co. advise us, under date of April 25, to the following effect: "We have disposed of our interest in the Alexander Seed Co., of Augusta, Ga., which for the past few years has been under the management of Mr. C. E. Brush, formerly with this firm. We understand that Mr. Brush will hold the controlling interest in the Alexander Seed Co. and, as he is a young man of ability and energy, we have no doubt but that the business will develop both rapidly and satisfactorily. We wish our friends in the seed business to know that we have no longer any connection with this firm."

Crop Damages in the Chicago Garden District

The Leonard Seed Co. advises us as follows:

At this date (April 25) the extent of the damage to early crops in the Chicago garden district cannot be fully determined. In most cases the gardeners are optimistic and hope for the best. It is generally conceded, however, that the first planting of Radishes is lost and that Carrots and Beets that have broken through the ground will stand a poor chance of making a crop. Head Lettuce, which has been transplanted to the open ground from the hotbeds, will be greatly damaged. Early Cabbage and Cauliflower, similarly set out, will likely stand the adverse condition, but the serious check to the growth will lessen the uniformity of the crop and cut it down considerably. Onions and Onion sets will not be hurt to any extent. Peas may pull through, but any Beans that were sprouted will perish. Early Sweet Corn and other half-hardy vegetables, where sufficiently advanced to be above the ground, will not recover. Spinach, which in some places was about ready to be

500,000 PANSIES BEST MARKET STRAIN GROWN

Grown from seed of our own raising, this strain is the result of over 25 years' careful selection and for size, form and substance and wide range of color in clear, brilliant selfs and novel shades and markings, they will be found unsurpassed. The colors are very evenly assorted and the growth is very strong and stocky. Fall transplanted plants ready to bud and bloom.

Price $10.00 per 1000. Larger Sizes $15.00 and $20.00 per 1000.

EXPRESS ONLY CASH WITH ORDER

I. E. COBURN, - 291 Ferry Street, - EVERETT, MASS.

Please mention the Exchange when writing.

GIANT EXHIBITION PANSIES

$1.00 per 100, $10.00 per 1000.

FORGET-ME-NOTS, BELLIS PERENNIS, large plants, $1.00 per 100, $10.00 per 1000.
SWEET WILLIAM, 3-in., $3.00 per 100.
SALVIAS, Bonfire and Zurich, 3-in., $4.00 per 100; 2¼-in., $2.00 per 100.
HELIOTROPE, Blue, 4-in., $6.00 per 100.
VERBENAS, PETUNIAS, Star, and Giants of California, 2¼-in., $2.00 per 100.
CANNAS, Austria, 3-in., $4.00 per 100.
STOCKS, 3-in., $3.00 per 100.
DRACAENAS, 5-in., 20c. each; 6-in., $40.00 per 100.
VINCA Variegata, 4-in., $8.00 per 100.

VEGETABLE PLANTS

Strong and transplanted.
CABBAGE, Wakefield, 50c. per 100, $4.00 per 1000.
TOMATOES, Dwarf Stone, Acme, Earliana, Tenderloin, and Stone, 50c. per 100, $5.00 per 1000.
LETTUCE, 25c. per 100.
Sweet Potato Plants later, $1.50 per 1000.

J. S. BLOOM
RIEGELSVILLE, PA.

Please mention the Exchange when writing.

PANSIES

Fall Transplanted, Finest Mixed, also 5 separate colors, in bud and bloom; $10.00 per 1000, $1.25 per 100; also a few extra strong seedlings left, $2.50 per 1000.

COLEUS

Verschaffeltii, 2-in., $15.00 per 1000, $1.75 per 100; Rooted Cuttings, $5.00 per 1000.
Cash Please.

RUDOLF NAGEL, LANCASTER PA.

Please mention the Exchange when writing.

READY NOW
250,000
SUPERB STRAIN
PANSIES

Fall transplanted pansies in bud and bloom. A trial order will convince you that our Superb Strain is the best you have ever handled. $1.25 per 100; $10.00 per 1000. Cash with order.

Leonard Cousins, Jr.
Concord Junction, Mass.
Largest Grower of Field-Grown Pansies in America

Please mention the Exchange when writing.

Pansy Plants

Large plants in bloom, $1.25 per 100, $10.00 per 1000; smaller plants that will bloom soon, at $2.00 per 1000.

DAISIES (Bellis), FORGET-ME-NOT, in bloom, $1.50 per 100, $12.50 per 1000.
CINERARIAS, 4-in., bud and bloom, $5.00 per 100.
STOCKS and DUSTY MILLERS, 2½-in. pots, $2.00 per 100, 200 for $5.00.
CABBAGE PLANTS, ready for field, $1.25 per 1000, 5000 for $5.00.

J. C. SCHMIDT
BRISTOL, PA.

Please mention the Exchange when writing.

PANSY PLANTS

Of my largest flowering Mixture of Show Varieties, unsurpassed quality, short, bushy, transplanted plants, in bud and bloom, at $1.25 per 100, $10.00 per 1000.

BELLIS Perennis (Daisies), largest double red and white, not transplanted, but fine strong plants commencing to bloom, at $2.00 per 1000; 500 at 1000 rate.

GUSTAV PITZONKA, Bristol, Pa.

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

PANSIES

Brown's Prize Pansies, Fall transplanted, large stocky plants, in bud and bloom. Mixed Colors, in any quantity. 15,000 Giant Yellow with dark eye, $1.25 per 100, $10.00 per 1000. Cash with order.

PETER BROWN, 124 RUBY STREET Lancaster, Pa.

Please mention the Exchange when writing.

PANSIES

Fine cold-frame plants, in bud and bloom; $1.25 per 100.
PANSY Snow Queen, pure white, large plants in bud and bloom, $1.25 per 100.
PANSY SEED, finest mixture, $1.00 per pkt. of 4000 seeds, $5.00 per oz.
Cash with order.

E. B. JENNINGS, Lock Box 254 Southport, Conn.

Grower of the Finest Pansies

Please mention the Exchange when writing.

out for market is wilted and practically unsalable. This will entail considerable loss, as many of the gardeners have been depending upon this for early money returns.

In the localities where the soil is somewhat sandy and where early planting is the rule, the crops are much further advanced than in the cold clay soil. It is a question whether this advanced condition will be of benefit. Some of the gardeners seem to think that the further advanced the small vegetables are, the greater the damage will be. On the other hand, some of them are of the opinion that where the crops are the farthest advanced the damage will be less. Taken as a whole, the loss will be serious at best, and if re-planting is to be done there are many of the varieties of seeds that are out of the market and it will be hard for the growers to secure the proper varieties if re-planting is necessary.

The weather, which has continued cold and cloudy since the hard freeze, is doing the right thing, for a sudden return of sunshine and warmth would have been wholly disastrous to the stricken crops.

More Government Competition

The seed trade is not the only sufferer from Government competition, although probably the worst hit. The following appeal, made by a National Joint Committee (of printers and lithographers) so closely parallels the experience of the seed trade, that it may do good to publish it here.

"Perhaps it is necessary for the Post Office Department to control the making of stamped envelopes, but it certainly is not necessary for the Department to print corner cards or addresses on stamped envelopes without charge, and it is very unjust to submit makers and printers of and dealers in envelopes to such unfair and destructive competition.

"You have not time to read a labored argument against this wrong. We feel that we only need to ask how would manufacturers and dealers in other commodities feel if the Government unnecessarily entered into competition with them, and supplied consumers with their goods at cost or less than cost? If the Government were a direct competitor of manufacturers and dealers in other lines of goods, selling at cost or less, and were using the mails, without postage, to induce their customers to leave them, and if every postmaster were an agent to give destructive force to such outrageous competition, would they not want help to secure relief? Surely they would; and all of us who handle different lines of goods would be glad to aid them all in our power.

"Manufacturers and dealers have suffered this destructive competition in silence for many years, but of late the Post Office Department has been so aggressive and persistent in its efforts to increase the use of printed stamped envelopes that they are forced to make vigorous protest. The Department has even repeatedly distributed broadcast through the mails without postage, and by the agency of postmen directly, immense quantities of artfully written and illustrated circulars urging people to use more Government stamped envelopes. Reports from various parts of the country indicate that this promotion campaign has been so successful that from 10 to 25 per cent. of all business envelopes used are furnished by the Post Office Department.

"The industries directly affected by this outrageous competition are trying to secure the passage of a bill now before Congress, forbidding the Government to print corner cards or addresses on stamped envelopes. We ask you to help us for two reasons. First, because you are of course glad to assist fellow business men suffering injustice, and, second, because if this tendency toward paternalism continues, your own business or industry may be attacked at any day. We must stand together for a square deal."

The printers and lithographers have identical bills pending in both the House and the Senate, and a successful outcome of their agitation for the removal of this unnatural competition is expected. If this most desirable result is brought about it will establish a precedent and open a way for the seed trade to follow suit.

The grievance of the printers is just, so is that of the seedsmen. The loss inflicted on the seed trade is as serious as that being perpetrated on the printers, probably more serious. Both call for an early redress at the hands of just men.

Free Seed Waste by Uncle Sam

In an article by F. D. Coburn of Kansas, under the above heading, which appeared recently in the N. Y. Evening Post, several strong points are taken, among them:

Begun with the best intentions, benevolent in theory, capable of no little good if rightly supervised and kept within bounds, under the present method it has become a joke. * * *

It is the old influence at work, of apparently getting something for nothing, and wherever that appears possible, there will always be a crowding up to the trough. * * *

How long would the distribution of seeds, as now practiced, continue if based entirely upon the advancement of agriculture? Not twenty-four hours. There is no serious claim that it is of advantage to the farmer, and more often it is not the farmer who receives the principal part of the seeds, nor he that wants them. * * *

Great good could be accomplished with the money now spent for seeds if it were appropriated and pro-rated equitably between the various agricultural colleges and experiment stations, for experimental work in originating, developing, and improving superior strains of wheat, corn, oats, cotton, and other crops especially adapted to or which give promise of worth to each particular State or Territory. * * *

By diverting the appropriation as suggested impetus will be given a well-directed work already under way, and there will be none to mourn the passing of the day of "free" seeds. * * *

Secretary Wilson says there are now distributed something over forty million packets of garden and flower seeds annually, and of standard sorts, available everywhere, and this "is the largest single business this office has to handle." The secretary further says: "As there is no practical object to be gained in distributing this kind of seed, it seems very desirable that some kind of change be made, as the fact remains that this work does not accomplish the end for which the law was originally framed."

Buffalo, N. Y.

Business the past week has been fair, funeral work and a good steady counter trade contributing thereto. Carnations have been scarce; Roses plentiful. Outdoor stock, such as Lilac, Narcissus, etc., has been in receipt in good condition and is selling well. Violets are getting poor. While there are not many big weddings booked there are quite a few coming within the next two months.

W. J. Palmer & Son, 304 Main st., had the largest wedding of the season, when the daughter of E. H. Butler, the proprietor of the Buffalo Evening News, was married the past week. Seven hundred American Beauty Roses were used in one room and the rest of the house was decorated on the same generous order. The decorations were in charge of E. A. Slattery.

E. A. Slattery and Edward Walther have just returned from New York City where they went to place a casket cover on the coffin of one of Mr. Palmer's customers.

James Lougley, one of W. J. Palmer's employees, lost his mother by death the past week; he has the sympathy of the craft.

Geo. McClure & Son, the landscape gardeners, are rushed with orders.

The matter of the Fall flower show is in the hands of the committee, and next week I hope to be able to give some definite information about it.

W. H. GREVER.

HELLO! Here is a chance for

CHEAP SPRING STOCK

Geraniums, all varieties, in bud and bloom; Ageratums, new varieties; Begonia Vernon and Stocks, 4-in. pots, at $6.00 per 100.
Double Petunias, white, very large flowering and variegated varieties, and Flowering Vincas, 4-in. pots, $7.00 per 100.
Cannas, all varieties, 4½-in. pots, $7.00 per 100.
Hydrangeas, for planting out, 2½-in. pots, $3.00 per 100.
Periwinkle, very long vines, $10.00 per 100; nice plants, but not so long, $7.00 per 100, in 4-in. pots.
Coleus, in 10 fancy colors; Ageratum, Alternantheras, red and yellow; Cigar Plants, Ground Ivy, Sweet Alyssum, Petunias, Phlox, Pyrethrum or Golden Feverfew, Verbenas, Lobelia, long and short; Begonia Vernon, all in 2-in. pots, $2.50 per 100.
Cash with order, please.

MRS. J. H. CLAUS,
1119-21 Roy St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

40,000 Vinca Variegata

Rooted Cuttings 90c. per 100, $8.00 per 1000.
ASTERS, Market White, $3.00 per 1000.
PANSIES, Giant, $2.00 per 1000.
SWEET WILLIAMS, $3.00 per 1000.
SWAINSONA alba, 2-in., 2c.
GERANIUMS, Grant, etc., 2-in., $2.00 per 100.
FEVERFEW, Double White, small plants, 75c. per 100, $6.00 per 1000.
FEVERFEW, 2-in., $2.00 per 100.
VINCAS, 2-in., $2.00 per 100.
ALTERNANTHERAS, 2-in., $2.00 per 100.
CUPHEA, 2-in., $1.50 per 100.
Rooted Cuttings, prepaid per 100: Heliotrope, $1.00; Paris Daisy, yellow, white, $1.00; Cuphea, 75c.; Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, Rosea, P. Major, Aurea nana, Fall struck cuttings, 50c. per 100, $4.50 per 1000; Ageratum, 3 kinds, 60c.; Swainsona alba, $1.00; Dbl. Petunias, 10 kinds, $1.00.
Cash with order.

Byer Bros., Chambersburg, Pa.

Please mention the Exchange when writing.

PETUNIAS Single Petunias of Ruffled Giant, California Giant, and Ruffled, striped and blotched. A No. 1 stock. 2¼-in. pots, $2.00 per 100, $18.00 per 1000.
GERANIUMS, 4-in., in bud and bloom, Nutt, Ricard, Viaud, Peter Henderson, Buchner, Poitevine, and Rose Geraniums, $6.00 per 100, $50.00 per 1000.
LOBELIA, Crystal Palace, 2¼-in., $2.00 per 100. Cash please.

S. A. PINKSTONE, 206 Court Street UTICA, N. Y.

Please mention the Exchange when writing.

TRADE LIST

FERNS, Scottii. From 3-in. pots, $5.00 per 100.
FUNKIA variegata, strong plants, 4½-in. pots, $1.00 per doz.
CLEMATIS, large-flowering varieties, 2-year-old plants; Jackmanni, Henryi, Mme. Veillard, $3.00 per doz.
CLEMATIS paniculata, strong plants, $10.00 per 100; 3-in. pots, $6.00 per 100.
DRACAENA Indivisa, 4-in. pots, $10.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100. Seedlings from flats, 50c. per 100.
GERANIUMS, Mrs. Parker, 3-in. pots, $6.00 per 100.
PASSIFLORA coerulea, 3-in. pots, $5.00 per 100.
PASSIFLORA Pfordti, 4-in. pots, $1.00 per dozen.
Plants from 2½-in. pots, $3.00 per 100: ACHYRANTHES; LOBELIAS, double and single blue; PARLOR IVY; VINCA variegata; AGERATUM, blue; COLEUS, Verschaffeltii, Golden Bedder, Queen Victoria, Quntricolor.
STOCK from 3-in. pots, $4.00 per 100: GERANIUMS, Rose and Nutmeg; LANTANA, Le Nuine; FEVERFEW, The GEM; IVY GERANIUMS; IVY, Hardy English;. EUONYMUS radicans and Golden Variegated.
HONEYSUCKLE Halleana, and WOODBINE. Plants, from 4-in. pots, $1.50 per doz.
LEMON VERBENAS, 3-in. pots, $5.00 per 100.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: "Saw your advt. in F. E."

Dreer's Select Potted Roses

FOR OUTDOOR PLANTING

The Roses here offered are field grown plants which have been potted into 5 or 6 inch pots (according to the growth of the variety) during the winter months. They have been stored in cold houses and cold frames and are in the best possible condition to turn over to your retail customers for outdoor planting, giving an entirely different result from stock carried over winter in storage. For best results the plants should be shipped in pots; in this shape they will carry safely to reasonable distances by freight.

Hybrid-Tea and Other Everblooming Varieties

Two-Year-Old Plants
5 and 6 inch Pots

	Per 100
Antoine Rivoire	$30.00
Belle Siebrecht	30.00
Bon Silene	25.00
Clothilde Soupert	20.00
Caroline Testout	25.00
Catherine Mermet	25.00
Comtesse Riza du Parc	25.00
Coralina	30.00
Duchesse de Brabant	25.00
Etoile de Lyon	25.00
Franz Deegen	30.00
Furbea Konigin	30.00
Francisca Kruger	26.00
Gruss an Teplitz	25.00
Gladys Harkness	30.00
G. Nabonnand	26.00
Hermosa	20.00
Hon. Edith Gifford	30.00
Kaiserin Augusta Victoria	26.00
Killarney	25.00
La France	25.00
La Detroit	30.00
Lady Battersea	30.00
Liberty	30.00
Maman Cochet Pink	25.00
Maman Cochet White	25.00
Marie Van Houtte	26.00
Mrs. B. R. Cant	20.00
Mildred Grant	30.00
Mme. Abel Chatenay	30.00
Mme. Hoste	25.00
Mme. Joseph Schwartz	20.00
Mme. Jules Grolez	30.00
Mme. Margottin	26.00
Mme. de Watteville	25.00
Mme. Welche	25.00
Papa Gontier	25.00
Perle des Jardins	30.00
Pharisaer	30.00
Prince de Bulgarie	30.00
Queen's Scarlet, or Agrippina	20.00
Richmond	30.00
Souvenir de Catherine Guillot	30.00
Souvenir de President Carnot	30.00
Souvenir de la Malmaison	26.00
Souvenir de Pierre Notting	30.00
Safrano	26.00
Viscountess Folkestone	30.00

Hybrid-Tea Roses

Novelties and Recent Introductions

The Gems of the new varieties introduced in recent years. A few of these planted in your own borders will prove interesting during the entire season.

All in Strong Two-Year-Old Plants

	Each
Betty. (Dickson 1905)	$0.36
Countess of Gosford (McGredy 1905)	.40
Chateau de Clos Vougeot (Pernet Ducher 1908)	.76
Dorothy Page Roberts (Dickson 1907)	.76
Dr. J. Campbell Hall (Dickson 1904)	.50
Duchess of Wellington (Dickson 1909)	2.00

Hybrid Tea Rose Betty

	Each
Dean Hole (Dickson 1904)	$0.50
Elizabeth Barnes (Dickson 1907)	.75
Geo. C. Wand (Dickson 1908)	1.00
Grace Molyneux (Dickson 1908)	1.00
John Cuff (Dickson 1908)	1.00
Hon. Ina Bingham (Dickson 1906)	.50
Lady Ursula (Dickson 1908)	1.00
Lady Faire (Bentley 1906)	.60
Laurent Carle (Pernet Ducher 1907)	1.00
Mary Countess of Dchester (Dickson 1909)	2.00
Margaret Molyneux (Dickson 1909)	2.00
Mons. Paul Lede (Pernet Ducher 1903)	.60
Mrs. Arthur Robert Waddell (Pernet Ducher 1907)	.75
Mrs. Aaron Ward (Pernet Ducher 1907)	.66
Mme. Leon Paine (Guillot 1904)	.75
Mme. Maurice de Luze (Pernet Ducher 1907)	.76
Papa Lambert (Lambert 1900)	.35
Queen of Spain (Bide 1907)	.75
Rhea Reid (Hill 1908)	.30
Walter Speed (Dickson 1909)	2.00
White Killarney (Scott 1909)	.30
William Shean (Dickson 1906)	.75
The Lyon (Pernet Ducher 1907)	.90

New Tea Roses

	Each
Harry Kirk (Dickson 1907)	$0.90
Hugo Roller (Paul 1907)	.50
Molly Sharman Crawford (Dickson 1908)	1.00

Hybrid Perpetual, Moss and Other Hardy Roses

Strong two-year-old Plants, nearly all in 6-inch pots.

	Per 100
Alfred Colomb	$25.00
Anna de Diesbach	26.00
Alfred K. Williams	26.00
American Beauty	25.00
Blanche Moreau	25.00
Baroness Rothschild	25.00
Camille Bernardin	25.00
Capt. Christy	25.00

HARDY ROSES (Continued).

	Per 100
Crested Moss	$25.00
Comtesse de Murinais	26.00
Captain Hayward	26.00
Common Provence or Damask	26.00
Clio	26.00
Charles Lefebvre	25.00
Crimson Globe	25.00
Duke of Edinburgh	25.00
Earl of Dufferin	26.00
Fisher Holmes	26.00
Francois Michelon	26.00
Frau Karl Druschki	25.00
General Jacqueminot	25.00
Gloire de Margottin	26.00
Gloire de Lyonnaise	25.00
Hugh Dickson	26.00
Jean Liabaud	26.00
Louis Van Houtte	25.00
Magna Charta	20.00
Mrs. R. G. Sharman Crawford	26.00
Mrs. John Laing	26.00
Mme. Plantier	20.00
Mme. Victor Verdier	26.00
Mme. Gabrielle Luizet	25.00
Marie Baumann	25.00
Princess Adelaide	26.00
Paul Neyron	25.00
Prince Camille de Rohan	25.00
Queen of Queens	25.00
Rodocanachi	25.00
Rugosa Nova Zembla	25.00
Rugosa Blanc Double D'Courbet	26.00
Rugosa, Red	18.00
Rugosa, White	18.00
Soliel d'Or	30.00
Tom Wood	26.00
Ulrich Brunner	25.00
Victor Verdier	25.00
White Provence	25.00

Rambler, Climbing and Trailing Roses

	Per 100
Baltimore Belle	$20.00
Climbing Clothilde Soupert	20.00
Crimson Rambler	20.00
Dorothy Perkins	20.00
Gloire de Dijon	25.00
Hiawatha	30.00
Lady Gay	20.00
Marechal Niel	30.00
Philadelphia Rambler	20.00
Prairie Queen	20.00
Reine Marie Henriette	30.00
Sweet Brier	15.00
Sweet Brier Lord Penzance	25.00
Sweet Brier Lady Penzance	25.00
Sweet Brier Meg. Merrilies	25.00
Sweet Brier Anne of Gierstein	25.00
Sweet Brier Brenda	25.00
Tausendschon	30.00
Trier	25.00
White Microphylla	20.00
White Dorothy	50.00
Wichuraiana Evergreen Gem	20.00
Wichuraiana Gardenia	20.00
Wichuraiana Pink Roamer	20.00
Wichuraiana South Orange Perfection	20.00
Wichuraiana Triumph	20.00
Wichuraiana Universal Favorite	20.00
Yellow Rambler	20.00

Baby Rambler Roses

	Per 100
Crimson	$20.00
White	20.00
Pink	20.00

HENRY A. DREER, Inc., 714 Chestnut Street Philadelphia, Pa.

NOTE—These Prices Are for The Trade Only

Please mention the Exchange when writing.

Commendable Factory Enterprise

The Thomas J. Plant Co., shoe manufacturers of Jamaica Plain, Mass., is engaged in a unique piece of work for the betterment of its employees. It owns five acres of land around its factory which has practically been a dumping place for all kinds of rubbish; this it has had leveled off and soil to the depth of 2 ft. has been put on all the land. R. & J. Farquhar & Co. are doing the landscape work and the planting; Mr. James Farquhar has had 100 men working on the job for the past three weeks and has done wonders already. No expense is spared as the company wants this ground to be of use to its employees as soon as possible. Trees have been planted, from 40 ft. to 50 ft. in height, with large balls of earth. The kinds used are mostly Maples and Elms. Two hundred very large trees and shrubs have been planted and thousands of smaller kinds and of many varieties. A large number of seats are to be made, principally from concrete, and are to be placed near the large trees so as to afford shade.

A greenhouse, 40x150 ft., is to be built by Mr. Wilson of Nahant, and Carnations are to be grown for the employees. The number of blooms this house will produce will be about 700 per day; a day's cut will be given to each room in succession, so until the whole factory has been supplied and then the distribution will commence all over again. As far as we know this is the first time in this part of the country where such generosity has been shown to the employees of a factory, and we have no doubt but this scheme will be copied by other manufacturers over the country. This is ideal for business, and nurserymen throughout the country should advocate such things to manufacturers and, in this way, it would be helping their own business along. Mr. Plant is fortunate in getting a man with such ability as James Farquhar. This work comes to him, no doubt, through the excellent work he did on the Japanese garden at Horticultural Hall last year. By the way, he is preparing two elaborate plans for two Japanese gardens at the present time. R. C.

Coming Exhibitions

Boston, Mass., May 26-30, 1910.—Great Exhibition of Orchids and other plants by the Massachusetts Horticultural Society. Secretary, William P. Rich.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, Secretary, 6473 Florissant ave., St. Louis.

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.
BEDFORD, MASS.

Please mention the Exchange when writing.

INDOOR GRAPE VINES

Strong, one year old planting canes, just right for present planting.

In the following varieties:

MUSCAT OF ALEXANDRIA
BLACK HAMBURGH
BUCKLAND SWEET WATER
DIAMOND JUBILEE
MILTON CONSTABLE
GROS COLMAN

Price, $2.50 each (Two dollars and fifty cents)

SCOTT BROS. Elmsford Nurseries ELMSFORD, N. Y.

Please mention the Exchange when writing.

KOSTER & CO.

HOLLANDIA NURSERIES
Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

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EBBINGE & VAN GROOS

Formerly THE HORTICULTURAL CO.
BOSKOOP, HOLLAND

Hardy Nursery Stock such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.
Ask for catalogue.

Please mention the Exchange when writing.

August Haerens

Somergem, Belgium

Special grower of High-Grade and new AZALEAS, KENTIAS, ARAUCARIAS, BAYS, etc.

August Rolker & Sons, 51 Barclay St., New York, American Agts

Please mention the Exchange when writing.

BERBERIS THUNBERGII

Bushy Plants, 18 to 24 inches at $9.00 per 100; 12 to 18 inches, at $6.00 per 100.

Seedlings, 3 to 5 inches, $8.00 per 1000, with 6-in. roots; 2 to 3 inches, $5.00 per 1000, with 6-in. roots.

NORWAY MAPLES

8 to 10 ft. .....$30.00 per 100
7 to 8 ft. (1 inch diameter).. 15.00 per 100

CAROLINA POPLARS

2 years, clean and smooth, nicely branched.
10 to 12 ft. .....$15.00 per 100
8 to 10 ft. ..... 10.00 per 100
7 to 8 ft. ..... 8.00 per 100

LOMBARDY POPLARS

Low branched.
7 to 9 ft. .....$10.00 per 100
6 to 7 ft. ..... 8.00 per 100

NORWAY SPRUCE

Several times transplanted.
3 to 4 ft. .....$30.00 per 100
2 to 3 ft. ..... 8.00 per 100

ARBOR VITAE

Transplanted.
3 to 4 ft. .....$40.00 per 100
2 to 3 ft. ..... 8.00 per 100

CALIFORNIA PRIVET

2 yr. cut back, extra heavy.
100 1000
2 to 4 ft. $4.00 $35.00

This is the best stock GOOD GROWING can produce.

C. R. BURR & CO.
The Burr Nurseries
MANCHESTER, CONN.

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P. OUWERKERK

216 Jane Street
WEEHAWKEN HEIGHTS, N. J.
P. O. No. 1, Hoboken, N. J.

Just Received From Our Holland Nurseries
Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

PRICES MODERATE

Please mention the Exchange when writing.

Funkia Undulata Fol. Var.

EXTRA FINE LARGE PLANTS
$4.00 per 100; $35.00 per 1000.
F. W. O. SCHMITZ, Prince Bay, N. Y.

Pink Climbing Rose—Dorothy Perkins

Without doubt the most valuable of all the new Climbing Roses of comparatively recent introduction. The beauty of the double pink flowers is admirably set off by the rich green foliage, which is free from the attacks of insects.

In addition to this charming kind, we have all the popular varieties in climbing and bush Roses. Our General Catalogue, which will be mailed on request, contains descriptions of all the best Roses—also

Fruit and Ornamental Trees, Shrubs and Hardy Plants.

ELLWANGER & BARRY,
Mount Hope Nurseries. Rochester, N. Y.

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ALMA NURSERIES, Oudenbosch, Holland

NURSERIES AT OUDENBOSCH AND BOSKOOP

Proprietors { U. J. Heerma Van Voss. H. A. M. Swellengrebel.

Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.

Large stock of Ornamental Trees and Shrubs, Conifers, Evergreens, etc. First-class stock only. Prices reasonable. Sole American Agent:

J. MEERKAMP VAN EMBDEN, JR. Mount Vernon, N. Y.

Ask for our General Catalogue and special offer.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Hardy American Grown Roses

Standard—Tree Box—Pyramidal

General List of Nursery Stock
Write for Trade List

W. & T. SMITH COMPANY
64 YEARS GENEVA, N. Y. 800 ACRES

Please mention the Exchange when writing.

Evergreens Shade Trees Shrubs Privet

100 Acres of Nursery. Ask for quotations upon your own list of wants.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Please mention the Exchange when writing.

Norway Spruce

A well-rooted, shapely lot of trees, 2 or more times transplanted.
500—12 to 18 in. .....at $5.00 per 100
600—18 to 24 in. .....at 8.00 per 100
500— 2 to 3 ft. .....at 12.00 per 100
500— 3 to 4 ft. .....at 20.00 per 100

MAURICE J. BRINTON, Christiana, Pa.

Please mention the Exchange when writing.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES
WILLIAM WARNER HARPER, Proprietor
Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

New Rose American Pillar

NO Climbing Rose is attracting the attention that "American Pillar" does, and most deservedly so. It is by far the best single-flowered climbing rose for outside purposes; and on account of the great durability of its flowers, it is the best single-flowered forcing rose.

July 12, 1909.

Gentlemen:
Let me tell you, too, that the American Pillar is a better Rose than you know, perhaps. The plant I had from you, which was planted this Spring under unfavorable conditions, is now giving us a succession of most exquisite bloom.
Yours truly,
J. HORACE McFARLAND,
Pres. of American Civic Association, Harrisburg, Penna.

COMMENT FROM THE LONDON GARDEN

"A most notable feature in this glorious display (Temple Flower Show in London) was the New 'American Pillar' Rose. The large and attractive rich rose pink blooms are produced in immense clusters, the white centers of the blooms adding to their attractiveness. —Florists' Exchange.

2½-inch pot plants, $1.50 per dozen, $8.00 per 100, $75.00 per 1000.

4-inch pot plants, $3.50 per dozen, $25.00 per 100.

The Conard & Jones Co.

WEST GROVE, PA.

Please mention the Exchange when writing.

NORTHERN GROWN NURSERY STOCK

We Grow a General Assortment of

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.

Prices Reasonable. Wholesale Trade List for the Asking

THE BAY STATE NURSERIES, North Abington, Mass.

Please mention the Exchange when writing.

AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-president; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer.

MINOT, N. D.—The United Nurseries Co. has been incorporated with a capital stock of $25,000. Arthur C. Hanson, Geo. Valker, and L. J. Palda, Jr., are incorporators.

NEW YORK.—The F. W. Kelsey Nursery Co. says: "Judging from our own experience, this has been a "rush" season in the nursery business. The early Spring accentuated early orders and a number of large orders brings up the average here to a very satisfactory season's business with more in prospect. While in a few lines there is a shortage of good stock, with a free market nearly all kinds of stock is available for the demand. All those in the nursery business of resource and established reputation, and who are uptodate in methods of handling business will, from results and indications thus far, have no reason to complain of the business for the Spring of 1910."

Æsculus glabra Horse-Chestnuts have long been favorite lawn trees, for where they thrive they surpass in beauty many other park favorites, their flowers and their handsome foliage distinguishing them from all other trees surrounding them. The one of our notes is the native one, Æsculus glabra, usually called American Horse-Chestnut, to distinguish it from the European species, Æ. Hippocastanum. Our species is demanded in all collections, nevertheless it is not the equal, in its flowers, of the other, neither are its leaves as large. It is well fitted to plant where one not so large as the European is required, for it never makes the imposing appearance a large tree of the European does.

The tree we illustrate is growing in a position Horse-Chestnuts like, that is, a deep and damp soil, and with small shrubs growing around it, which keep the soil cool in Summer.

It is useless to plant a Horse-Chestnut of any species in hard, dry ground, or in a position where the soil will become very hot in Summer, for in this case the growth would be poor and the foliage would drop early in the Autumn.

Horse-Chestnuts are rarely suited as street trees, because of the lack of the requisites aforesaid. Often, one is planted along a sidewalk of a street, but rarely is it satisfactory; usually the tree is bare of leaves before the Summer is over—very different from the handsome, thrifty one of our photograph, which is well suited in the deep and damp soil it is in.

Nothing grows easier than Horse-Chestnut seed sown as soon as they are ripe, but if let become dry for a few weeks they spoil, the "kernel" drying up. Even when kept damp in a box all Winter but few are sound when Spring comes.

Æsculus glabra—American Horse-Chestnut

Japanese Maples In early Spring, when foliage is unfolding, one of the loveliest sights on a lawn is the blood-leaved Japanese Maple, Acer polymorphum atropurpureum. The intense dark red of its leaves has no competitor in either shrub or tree. Of the many Japanese Maples it leads all in color. There is another one with dark red leaves in the Japanese section, the Acer dissectum atropurpureum, but the foliage is so much dissected that it cannot give the mass of color the other does, and if it could the color is not such a rich red.

The habit of the last named differs from the first. Instead of an upright growth, it is almost entirely of a spreading nature, so that planted side by side, plants of the same height, it would soon be left behind in growth by the blood-leaved one first mentioned. In fact it, the dissectum atropurpureum, if carried up to a single stem to a height of a few feet and then allowed to form a head, takes on a weeping form—at least as much so as many things sold as such—but its best appearance comes with its growing in a natural way, bushy from the ground.

In addition to the two named there is another one, overlooked by many who plant for Spring effect, the Acer polymorphum reticulatum. As it expands in Spring there is a yellowish green to the foliage which contrasts nicely with the foliage of the other two, or with the foliage common to most all trees.

It is hard to say what conditions suit these Maples the best. As the climate of Japan is of a humid nature, we are told, one would look for the best results here under like conditions. The Spring hereabouts has been a very dry one, yet it is a common remark that these Maples never looked better. In Summer it is the aim to keep them in a situation free from the sun in the height of the day; yet if too much shade be given the color of the leaves fades from its deep red.

There is no doubt that if florists would keep a number of these Maples in pots they would sell well. Everybody wants one who has room for it. The polymorphum atropurpureum is the best seller. It needs a lot of plants set together in a store to give an idea of what a bed of them on a lawn would look like.

Is Halesia diptera Hardy? Halesia diptera is known in the trade as the Southern Snowdrop Tree, though both it and H. tetraptera are southern trees; but the latter is more hardy than the former. H. diptera will not endure the cold tetraptera will, though it is not hurt by cold at Philadelphia when planted in a fairly well sheltered place. A few years ago there was one growing in the old Bartram Gardens; and at Morrisville, Bucks County, Pa., at the Moon Nurseries, there is a large tree of it, planted, we understand, by the father of the present proprietors, Mahlon Moon.

This species flowers a little later in Spring than the one so common, H. tetraptera, but there are so few of them to be found in collections that comparisons between the two sorts are not easily made. Both of these species make large trees, though they are often set out as shrubs, because they bloom when but two or three feet high, much the same as Magnolias do, and then their style of growth is that of a shrub.

It is hard to define the line between a tree and a shrub; something more than height is wanted. The two kinds now referred to, the Halesia and the Chinese section of Magnolias, are not trees in the way we look on an Oak, Elm, Ash and like trees. Both the Halesia and the Magnolias are always thought of as shrubs when planted—the Chinese and Japanese ones are meant—yet specimens of both exist near Philadelphia, perhaps 40 ft. in height.

However, returning to the subject of the hardiness of Halesia diptera, it is certainly hardy about Philadelphia, but not nearly so far north as the H. tetraptera.

Daphne Mezereum All the Daphnes are favorite shrubs, chiefly because of their fragrant flowers, for all are sweet-scented save one, the D. Genkwa, and even this one is listed in works as a sweet-scented one, but the writer has never found it to have odor of any kind. The one these notes relate to chiefly, the D. Mezereum, is a favorite because of its hardiness, its early blooming and its fragrance. It is classed as one of the earliest of Spring-flowering shrubs. While its flowers are not large, they are so numerous and so fragrant that every one's attention is attracted to them when passing in their vicinity. The typical form is the red one; the white one, though oftener seen in collections, is considered but a variety of it.

European botanical works say of this Daphne that it is a straggling grower. This does not at all fit its character with us, for it is one of the most upright growing of all shrubs.

It is valued for its red berries, which form and soon ripen in Spring, adding much to its attraction, in fact its appearance is more pleasing with its red berries than when it has its flowers; it is only the fragrance of the blossoms that makes them interesting.

The lovely trailing Daphne, Cneorum, is often grafted on small plants of the Mezereum, giving rather stronger plants than when on their own roots. The hardy character of both of these Daphnes is much in their favor; and the Cneorum has to its credit its evergreen character.

Pruning the Japanese Snowball Passing a garden, recently, in which a large Japanese Snowball bush had been pruned, the bush presented such an object lesson of wrong pruning that I must need refer to it. It had made some strong shoots the past Summer, two to three feet in length. These shoots are the ones to give flowers, as all gardeners know. Well, every one of these had been cut back almost entirely; here and there one or two eyes had been left at the base, but on the rest of the bush not a bit of the young wood had been left. As it appeared to the writer, if a dozen flowers were produced this season it would be all there would be; whereas a thousand or more would have been there if the shoots had not been pruned away. The person who pruned this bush evidently thought it too large, and cut it back to lessen its size. What he should have done was to wait until the flowers had faded and then cut back all the tall shoots, leaving some of the smaller ones, in order that the shrub should not be weakened too much by losing such a lot of its new foliage. As it is now, the bush having had only its last year's growth cut away it will be no taller than it was last year, after this year's growth is made.

What is said here applies to all the shrubs that are blooming now and will be flowering, one after the other, in Spring. Prune them as soon as possible after the flowers fade, so that new growth will not be wasted in the cutting.

Making Evergreens Bushy Because evergreens will not permit of pruning them beyond their living foliage, many suppose they cannot be pruned at all, but this is a mistake; they may be pruned and made so bushy that a bird could hardly pass through them. A sight of a bushy White Pine recently brought this to the writer's mind. Let grow at will, this Pine, while of good form, is not over bushy; but put the knife on it and there is no evergreen forming a bushier, handsomer tree than it does. Common Pine that it is, it is still one admired by everyone for the beauty of its foliage and its outline.

This Pine, and all Pines, may be pruned safely and to advantage by being careful not to cut the shoots back beyond the live needles. Very few Pines or other coniferous trees will break afresh from the old wood. One sees the Pitch Pine doing it sometimes in the forests, where they have been broken off, but it is an exceptional case. It is safer to be sure there are live needles beyond the cut. As the needles live but a year or two this means that the pruning can only be applied to, say, the one year growths. If it be early Spring the cut-off part will be from the shoots made last Summer. If done in Summer or Autumn it will be the shoots just formed and ripened.

Keeping this in mind, evergreens can be pruned annually if so desired, by which fine specimens may be secured.

In nearly every case Pines are rendered more serviceable by adding to their bushiness through pruning, as also are many of the Spruces. The Douglas Spruce, Pseudotsuga Douglasii, is one that wishes to make a rapid, upright growth if left alone—it and the Pinus Strobus being two of the fastest growing evergreens we have—hence, the effect of pruning in adding to its bushiness soon becomes apparent.

Dianthus, Sweet William and Hardy Pinks

A fine assortment of strong plants, from 2¼-inch pots, at **$3.00** per **100.**

F. O. B. our shipping point, Trenton, N. J.

200 SWEET WILLIAM—Single, red and white.
700 " " —Everblooming hybrid, Dianthus atrococcineus, ll. pl.
200 " " —Single, crimson.
1400 " " —Single, white.
1000 " " —Maroon.
200 HARDY PINKS—Dianthus plumarius sempervirens.
400 " " —Single, mixed.

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Send for price list.

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AVALANCHE (Snow-white)

LORRAINE (Pink)

Both are easy to grow and will keep better than any Hydrangea in cultivation.

2½ inch pots, ready to plant out, $5.00 per dozen.

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Choice lot of Brides and Bridesmaids, from 2½-in. pots, $2.00 per 100; from 3-in. pots, $2.50 per 100; all on own roots from Grafted Stock, also

5000 GALVANIZED CARNATION SUPPORTS, three rings, Parker's Patent, $5.00 per 1000 delivered at greenhouse, or $6.00 packed, almost as good as new.

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Surplus Stock of Specimens

ELMS, American and European Stock. 4-in to 6-in. diameter, 18 to 25 feet in height.
TSUGA Canadensis, 6 to 9 feet.
PICEA Excelsa, 6 to 10 feet.
PICEA Pungens Glauca, good blue color, 5 to 8 feet.
THUYA Occidentalis, 6 to 10 feet.
All above stock well grown and transplanted.
The soil lifts in a ball.

Extra large plants of general variety of Shrubs, too numerous to list here.

JAMES J. McMANMON, Nurseryman
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For large orders in carload lots we can do better, and will ship you 10,000 18 to 24 inch, 4 to 6 branches, in bulk in car, for **$100.00.** Cash with order. Other sizes in proportion.

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50,000 CALIFORNIA PRIVET, fine 1-year-old stock, 18 to 24 in., $2.00 per 100, $16.00 per 1000; 24 to 30 in., $2.50 per 100, $20.00 per 1000. Special prices in 5000 lots to dealers, all No. 1 stock. 5,000 extra strong AMPELOPSIS Veitchii. Field grown vines, live tops and roots, now in cellar. $4.00 per 100, 500 at $3.50 per 100. P. S. 25,000 Canna Roots.

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White Killarney, (Waban strain), $8.00 per 100.

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IN 4 AND 4½ INCH POTS, 18 to 24 inches, well branched, at $10.00 per 100: Souv. du Pres. Carnot, Caroline Marinesse, Burbank, Bessie Brown, Leonie Lamesch, Mme. Caroline Testout, Baby Rambler (white) (Zeimet), Baby Rambler (pink), Kaiserin Augusta, White Maman Cochet, La Detroit, Safrano, Climbing Wootton, Mme. Abel Chatenay, Hermosa, Mary Washington, Pink Maman Cochet, Achen Muller, Little Pet, Papa Gontier, Bride, Helen Gould, Mrs. Robert Garrett, Marie Van Houtte, Cardinal, White Bon Silene, Marion Dingee, Mme. A. Guinoisseau, Souv. de la Maimaison, Golden Gate, Maman Cochet (open ground). HYBRID PERPETUALS, 2 years, from open ground, at $8.00 per 100:—Captain Hayward, Dr. Audrey, Clio, Magna Charta, Vick's Caprice, Anna de Diesbach, Ulrich Brunner, Marchioness of Lorne, Eugene Furst, Francois Levet, John Hopper, Gen. Jack. HYBRID RUGOSA, 2 years, from open ground, at $8.00 per 100:—New Century, Sir Thomas Lipton, Conrad Ferdinand Meyer.

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Rose Pots .....$15.00 per 100
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WHITE KILLARNEY, MY MARYLAND, RICHMOND, PINK KILLARNEY, AMERICAN BEAUTY

3-inch Pots .....$9.00 per 100
4-inch Pots .....$12.00 per 100

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Verbena and Coleus plants ready for shipment, at $20.00 per 1000.

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We have an exceptionally fine stock of grafted plants, strong, clean and healthy.

White Killarney, My Maryland, Kaiserin, Bride, 2½-inch pots, $15.00 per 100, $120.00 per 1000.

OWN ROOT STOCK, NOW READY

White Killarney, 2½-inch pots, $8.00 per 100, $75.00 per 1000.

Bride, Bridesmaid, Kaiserin, Carnot, W. R. Smith and President Taft, 2½-inch pots, $5.00 per 100, $10.00 per 1000.

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Own-Root
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Grown on own roots, kept in cold houses during the Winter, now coming into bud and just right for outdoor planting; General Jacqueminot, Gruss an Teplitz, Clothilde Soupert, Crimson Rambler, etc., 6-in pots, $35.00 per 100.

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CRIMSON RAMBLERS FOR GROWING ON, 2½-in. and 3-in. Rose pots, $4.00 per 100.

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HYDRANGEA Otaksa, for growing on, 2½-in. pots, $4.00 per 100, $35.00 per 1000.

HYDRANGEA Otaksa, 8-in. pots, 6 to 8 flower buds, $15.00 per doz.

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Roses in plenty

on own roots

Summer grown, Winter rested

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	2½-in. Doz.	2½-in. 100	4-in. 100
Bougere			$3.
Bridesmaid	$0.50	$3.	$25. 8.
Catherine Mermet	.50	3.	25. 8.
Christine de Noe	.50	3.	27½
Coquette de Lyon	.50	3.	26.
Devoniensis	.50	3.	26.
Golden Gate	.50	3.	25.
Isabella Sprunt	.50	3.	26. 8.
Madame Lombard	.50	3.	27½
Mlle. Franziska Kruger	.50	3.	26. 8.
Meman Cochet, Pink	.50	3.	27½ 8.
Marie Guillet	.50	3.	26.
Marie Louise	.50	3.	26. 8.
Marie Van Houtte	.50	3.	26.
Papa Gontier	.50	3.	27½ 8.
Souv. de Pierre Netting.	.50	3.	25.
The Bride	.50	3.	26. 8.
The Queen	.50	3.	25. 8.
White Bougere	.50	3.	25.
White Maman Cochet	.50	3.	27½ 8.

Hybrid Teas

Blumenschmidt	.50	3.	30.	
Cherry Ripe		3.	30.	8.
Helen Gould (Balduin)	.50	3.	27½	
Jacob's Perle	.50	4.	40.	10.
Killarney	.60	4.	40.	15.
Kaiserin Augusta Victoria.	.50	3½	30.	
La Detroit	.50	3.	27½	
Mme. Jenny Guillemet	.50	3.	30.	3.
Mlle. Helene Gambier	.50	3½	30.	
Meteor	.50	3.	27½	
My Maryland	1.00	7.	60.	16.
Rhea Reid	.60	4.	35.	10.
Striped La France	.50	3.	27½	8.
Wellesley	.50	3.	30.	10.

Hybrid Perpetuals

American Beauty	.85	6.	50.	15.
Anna de Diesbach	.50	3½	30.	
Ball of Snow	.50	3½	30.	
Clio	.50	3½	30.	
Coquette des Alpes	.50	3½	30.	
Dinsmore	.60	4.	35.	7.
Frau Karl Druschki	1.00	7.	60.	
Giant of Battles	.50	3½	30.	7.
Gloire Lyonnaise	.50	3½	30.	7.
Jubilee	.60	4.	35.	8.
La Reine	.60	4.	35.	7.
Madame Charles Wood	.60	4.	35.	7.
Madame Masson	.50	3½	30.	
Madame Plantier	.50	3½	30.	7.
Magna Charta	.50	3½	30.	7.
Paul Neyron	.50	3½	30.	7.
Ulrich Brunner	.75	6.	50.	
Vick's Caprice	.60	4.	35.	8.

Climbers

Climbing Soupert	.50	3.	25.	
Climbing Devoniensis	.50	3.	25.	
Climbing Meteor	.50	3.	27½	
Cloth of Gold	.50	3.	25.	
Empress of China	.50	3.	25.	
James Sprunt	.50	3.	25.	
Lamarque	.50	3.	25.	8.
Marechal Niel	.50	3½	30.	12.
Mary Washington	.50	3.	25.	8.
Reine Marie Henriette	.50	3.	25.	8.
Selfatare	.50	3.	25.	8.

Hardy Climbers

Baltimore Belle	.50	3.	25.	
Crimson Rambler	.50	3.	25.	
Debutante	.50	3.	25.	
Dorothy Perkins	.50	3.	26.	
Lady Gay	.50	3.	25.	
Manda's Triumph	.50	3.	25.	
Philadelphia Rambler	.50	3.	25.	
Pink Rambler	.50	3.	25.	7.
Seven Sisters	.50	3.	25.	7.
South Orange Perfection	.50	3.	26.	
Sweetheart	.50	3.	26.	
Tausendschoen	.50	3.	30.	
Tennessee Belle	.50	3.	25.	7.
Universal Favorite	.50	3.	26.	
White Rambler (Thalia)	.50	3.	25.	
Wichuraiana	.50	3.	25.	

Miscellaneous

Aennchen Mueller	.50	3.	25.	
Catherine Zeimet	.50	3½	30.	8.
Clothilde Soupert	.50	3.	25.	8.
Gruss an Teplitz (V. R. Coxe)	.50	3.	27½	
Henri Martin (Red Moss).	.75	4½	40.	
Louis Philippe	.50	3.	25.	
Mousseline (White Moss).	.75	4½	40.	10.
Mrs. Degraw (Bourbon)	.50	3.	27½	8.
Queen's Scarlet	.50	3.	25.	

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FIRST CLASS STOCK

	Doz.	100
DRACAENA Indivisa, 5-in.	$2.50	$20.00
VINCA Variegata, 4-in.	1.50	10.00
IVY GERANIUMS, 2½-in.	.50	2.50
GERANIUM Mme. Salleroi, 2-in.		2.00

PANSY PLANTS, field-grown, $1.00 per 100, $8.00 per 1000.

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San Francisco

The Market

There is considerable improvement in market conditions this week, compared with those of last. There continue to be abundant supplies in practically all grades of flowers and plants, but business on the whole appears to be on the increase, and most of the town florists seem to think that a steady demand for flowers will be in evidence from now on. Carnations are in heavy crop all over and the market is oversupplied with blooms of average quality, although good blooms of the finer varieties fetch fair prices considering the lateness of the season. Tulips continue much in evidence in the stores, with prices about the same. Darwins appear to be the most popular with the general public, and nice bunches of the Parrot section sell rapidly. Quite a few Spanish Iris are to be seen in the stores at present and will sell well until the outdoor crop makes its appearance. Roses of all descriptions are in abundance, and prices are absurdly small, considering the high-class of stock being brought into the market by the growers. Quite a lot of Lilac is coming from out-of-town growers and is eagerly bought up as soon as it is displayed in the stores, as also is Cherry blossom. Spring weddings appear to be plentiful this year and there is quite a demand for choice flowers of all kinds. Orchids are plentiful and sell rapidly, while Lily of the Valley is fetching better prices than it has for some time past.

Various Notes

H. Plath is busy at present installing a new boiler at his Ocean View establishment.

V. Matraia, the genial president of the Pacific Coast Horticultural Society, is a busy man these days and seems to have his store on the rush at all times. The versatility of "Pete" was shown this week, when he officiated at a musicale given by a well-known lady in town.

April 18 was the anniversary of the great earthquake and fire of 1906 and, four years after, celebrations were in vogue all over the city.

Mme. Roeckel Davis, of the State Floral Society, gave a concert and dance on April 20, which was largely attended by the members of the Pacific Coast Horticultural Society and State Floral Society.

A batch of 500 plants of Schizanthus Wisetoniensis in the conservatory at Golden Gate Park is making a great show at present, and has been much admired by the thousands of people who pass through there daily.

A field day will be held by the Pacific Coast Horticultural Society the second week in May, when the Society will visit the extensive nurseries of the E. Gill Rose Co. at West Berkeley. All members are requested to turn out in force, and bring a few friends along with them to see the famous Berkeley Roses in full bloom. Full particulars as to date and place of meeting will be mailed to each member later.

David Basset of Ross Marvin County was in town this week.

The many friends of F. Ludemann of the Pacific Nurseries will be pleased to hear that he is rapidly recovering from his recent illness. Mr. Ludemann is one of San Francisco's leading horticulturists and a well-known figure in this vicinity.

Domoto Bros. are adding two new houses to their Elmhurst plant.

J. B. Coryell of Menlo Park will add two more houses to his uptodate establishment at Fair Oaks this Summer. Cattleyas will be grown principally.

H. E. Zothin has been making extensive alterations to his estate at Ross Valley. The MacRorie-McLaren Co. of San Francisco were the architects for the landscape part of the work.

A recent visit to Robert Murray of Redwood, the well-known Carnation grower, proved very interesting. The writer has seldom seen Carnations look in such a perfect state of health. One large house of Enchantress looked particularly fine, as also did a house of White Enchantress, which Mr. Murray informed me had beaten all records this Winter for cutting. The variety O. P. Bassett looked as if it would do well in California and Mr. Murray intends to plant it in quantity next year. He has some exceptionally fine seedlings on trial at present, and I think that at least two of them will be heard from later.

The MacRorie-McLaren Co. has started work on its new nursery at Beresford, near San Mateo. The Lord & Burnham Co. will supply the plans and material for the glass department.

The Stockdale Nursery has had an exceptionally busy season tree planting in Burlingame and the surrounding districts, shade trees being a prominent feature in the work.

Real estate men on both sides of the bay are beginning to realize more and more the value of beautifying their property with suitable trees and shrubs, as a means of inducing people to settle on their land. The MacRorie-McLaren Co. are doing great work in this line, and contracts for Fall planting are already beginning to come in.

Frank Mills of Palo Alto was in town recently. He states that business is rushing in the University town.

Society of American Florists' members, also members of the American Rose Society, please take notice that San Francisco in 1915 will be the most talked of city on earth, and will be the scene of one of the greatest exhibitions ever held in any country. I refer to the World's Fair being planned by the people of the West to celebrate the opening of the Panama Canal. What would be more fitting than to have America's premier horticultural society hold its annual convention in San Francisco that year, also the American Rose Society. It is, perhaps, a trifle early to talk on this subject, nevertheless the suggestion is worth considering. WM. McM. B.

Rochester, N. Y.

Trade conditions are decidedly better and the demand brisk for cut stock. Carnations are very scarce and move easily. Roses, while not scarce, find a fairly good demand, the medium grades moving more quickly than the long stock. Sweet Peas are still in good demand and the supply is not equal to the demand for these popular flowers. Violets are still coming, but are of uncertain quality, owing to the weather conditions, which cannot be avoided at this time of the year. Bedding stock is making its appearance on the market, but it is much too early for many calls for this stock at present, the weather also being cold and wet.

Owing to lack of interest the Bowling Club has been forced to discontinue its meetings. H. B. STRINGER.

Syracuse, N. Y.

The weather continues very warm, in fact it is quite hot, and everything is fairly jumping. Never before can I remember so many things in bloom at this date. All kinds of fruit trees are fairly covered with blossoms, and if we escape a heavy frost the crop will be a heavy one. The Lilacs, Forsythias, Deutzias and Pyrus Japonica are in full bloom as well as Tulips, Hyacinths, Daffodils and other bulbs. Our parks and many private places present a gorgeous sight. I cannot recall our parks looking so well as now. Supt. Campbell has steadily increased his bulb stock, till it is now a very large one. To him must the credit be given for the increase in the number of private places adorned with the beautiful harbingers of Spring.

Large numbers of Pansies are being sold; almost every grocery store seems to be handling them. As a general rule the quality is very indifferent. Quinlan & Co., Burt and Morris have the best I have seen, so far. It is always inexplicable to me why growers will grudge paying a little more for a first-class strain, for the finer flowers would command a better price.

There has been great activity the past two weeks in getting Carnations planted in the field. Quinlan has had a small army of men rushing the work. A heavy rain storm Saturday night will be of material help.

Business still continues very good indeed, very little stock going to waste. The outlook for Decoration Day is very bright and the florists are bound to reap a good harvest, as outside flowers will be practically over. Prices for pot plants have never been, nor will be advanced on that day.

Planting of shrubs is being rushed in all directions and it is safe to say there has never been such a heavy demand for them as this Spring. In very many grounds surrounding old homesteads, where they have been content with plain lawns, ornamental beds filled with flowering shrubs have been made—and so the good work goes on. H. Y.

Bargains in Pot-Grown Plants

Ready for market at once.

ABUTILONS, 3½-in., 6 varieties, in bloom, $6.00 per 100.
AGERATUM, Blue or White, 2½-in. pots, strong plants, $2.00 per 100; Rooted Cuttings, 75c. per 100.
ALYSSUM Large Giant or Little Gem, 2½-in., $2.00 per 100.
BEGONIA Vernon, in bloom, 3-in., $6.00 per 100.
BEGONIAS, Flowering, 8 fine varieties, 4-in., in bloom, $10.00 per 100.
CANNAS, Large-flowering, any color, 20,000 from 4-in. pots, fine stock, $5.00 per 100.
COLEUS, Golden Bedder, Verschaffeltii, or decorative varieties, from 2½-in. pots, $2.50 per 100.
FUCHSIAS, Storm King, Little Beauty, or 8 varieties mixed, in bloom, 4-in., $8.00 per 100.
FUNKIAS, variegated (Day Lily), $5.00 per 100.
GERANIUMS, 30,000 from 4-in. pots, fine plants, in bloom, of 10 Standard Varieties, $7.00 per 100.
HELIOTROPES, 4-inch, 3 kinds, fine plants, $8.00 per 100.
MARGUERITES, 4-in., in bloom, $5.00 per 100.
PANSIES, Fine Varieties Mixed, transplanted plants, $1.25 per 100.
HARDY PHLOX, of 5 leading varieties, field-grown clumps, $4.00 per 100.
PRIMULA OBCONICA, fine plants, full of bloom, mixed colors, 4-in., $5.00 per 100.
SALVIAS, Bonfire, strong plants, from 2½-in. pots, $2.50 per 100; 3-in., $3.00 per 100.
SMILAX, large plants from 2½-in. pots, $2.00 per 100.
VERBENAS, Fine Mixed Colors, in bud and bloom, 2½-in. pots, $2.00 per 100.
DUSTY MILLER, fine 4-in. plants, $5.00 per 100.

CABBAGE and **TOMATO PLANTS**, $2.00 per 1000, any varieties.
TOMATO PLANTS, extra large transplanted, $5.00 per 1000.
LETTUCE PLANTS, 5 kinds, $1.25 per 1000.
BEET PLANTS, $1.25 per 1000.
PEPPER PLANTS, 6 kinds, $7.50 per 1000.

Also all other kinds of Vegetable Plants by the thousand. Write me for special prices. A 1 Plants only. Liberal count given to help pay the express. Try them.

ALONZO J. BRYAN
Wholesale Florist, Washington, New Jersey

Please mention the Exchange when writing.

Double and Single PETUNIAS

Fine plants.

DREER'S STRAIN, 3-in., $3.00 per 100.

	Per 100
DRACAENA Indivisa, 6 and 7-in.	$20.00
LANTANAS, Trailing, 2 in.	2.00
SALVIA, Splendens, Bedman and Zurich, 2-in.	2.00

MOON VINES, Smith's Hybrid, the largest, whitest and sweetest, 2¼-in. pots, per 100, $3.00.

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

Alternantheras

Strong Rooted Cuttings

	100	1000
P. Major, Red	$0.50	$4.00
A. Nana, Yellow	.50	4.00
Brilliantissima, Best Red	.60	5.00

R. R. DAVIS & CO., Morrison, Ill.

Please mention the Exchange when writing.

200,000 First Class Plants

All Fine Stock—Sure to Please

Geraniums in bud and bloom, Nutt, Buchner, Poitevine, Double Grant; Heliotrope in bloom; Lemon Verbenas; Rose Geraniums; Cannas; all fine strong, 3½-4 in., $5.00 per 100. Salvia, Bonfire and Splendens, large 4-in., in bloom, $4.00 per 100; strong 3-in., $2.50 per 100; large, 2-in., $1.75 per 100. Dreer's Superb Single Petunias, Mammoth Verbenas, Ageratum, blue, Alyssum. Salleroi Geranium, strong, stocky, 3-in., $2.50 per 100. Ageratum, Mme. Salleroi Geranium, Coleus, 12 varieties, strong, 3-in., $1.75 per 100, $14.00 per 1000. Geraniums, stocky, 3-in., in bloom, $4.00 per 100. Dracaena Indivisa, extra large and perfect, 6-in., $4.00 per dozen. Cash.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

ROSES

Own Root, Fine Stock

White Killarney, 2¼-in., $1.50 per doz., $8.00 per 100. Chatenay, Carnot, Kaiserin, Killarney, Perle, Richmond, Sunrise and Sunset, $5.00 per 100. Bride, Bridesmaid, Golden Gate and Uncle John, $4.00 per 100.

Mammoth Verbenas

Rooted Cuttings, $1.00 per 100, $8.00 per 1000.

Asparagus Plumosus

From 3-in. pots, $5.00 per 100; from 2¼-in. pots, $3.00 per 100.

Asparagus Sprengeri

From 4-in. pots, $10.00 per 100.

Dracaena Indivisa

4-in., $15.00 per 100; 6-in., $20.00 per 100.

MISCELLANEOUS

ABUTILON Savitzi, 2¼-in. pots, $3.00 per 100.

AMPELOPSIS Veitchii. Pot grown, $3.00 per 100 and $6.00 per 100 (two sizes).

ACHYRANTHES. Best varieties, $1.00 per 100, $8.00 per 1000.

AGERATUM. Blue and white, $1.00 per 100, $8.00 per 1000.

CANNAS, Dormant Tubers, $2.00 and $3.00 per 100, $18.00 and $25.00 per 1000.

CARNATIONS: From pots and Rooted Cuttings; send for catalogue for varieties and prices.

CHRYSANTHEMUMS, 60 fine varieties, Rooted Cuttings, $1.50 and $2.00 per 100.

COLEUS. Bedding and fancy varieties, $1.00 per 100, $8.00 per 1000.

CUPHEA platycentra. $1.25 per 100.

BEGONIA Erfordi. Pink and white, $2.00 per 100; Crimson Bedder, $2.00 per 100.

FEVERFEW, The Gem. $1.50 per 100, $12.00 per 1000.

FORGET-ME-NOT, $1.50 per 100.

FUCHSIAS. Double and Single, $2.00 per 100.

GERANIUMS. Double and Single, $3.00 per 100, from 2¼-in. pots.

GERANIUMS, Ivy-leaved, 2¼-in. pots, $3.00 per 100.

GERMAN IVY, $1.50 per 100.

HELIOTROPE. 8 best varieties, $1.25 per 100, $10.00 per 1000.

LOBELIA. New double blue, $2.00 per 100.

MOONFLOWER (True). White, $2.00 per 100; $15.00 per 1000.

SALVIA, New varieties, $1.50 per 100; $12.00 per 1000. Splendens and Clara Bedman, $1.25 per 100; $10.00 per 1000.

STEVIA, Variegata and Compacta, per 100, $1.25.

SMILAX, from 3-in. pots, $4.00 per 100.

VINCA, Variegata and Elegans, 1 year, strong, from 4-in. pots, $10.00 per 100.

WOOD BROTHERS, FISHKILL, NEW YORK

Please mention the Exchange when writing.

Some Plant Bargains

DRACAENA Indivisa, 6½ and 6-in. pots, 24 to 36 inches high, $4.00, $6.00, $9.00 per doz., also by the 100.

BOXWOOD Bushes, 20c., 25c., 35c., 60c. and 75c. each; also by the doz. or 100.

BOXWOOD Pyramids, 3 feet above tub, $3.00 a pair.

DRACAENA Fragrans, 6½-in. pots, 60c.; 6-in. pots, 75c.; 7-in. pots, $1.00; 8-in. pots, $1.50 and $2.00 each.

DRACAENA Lindeni, 6½ and 7-in. pots, $1.25 and $1.50 each.

DRACAENA Massangeana, 6-in., $1.00 each; 6½-in., $1.25 each; 7-in., $1.50 each.

PHOENIX Roebelini, 4-in. pots, 60c.; 4½-in., 75c.; 5-in., $1.00; 6-in., $1.50 each.

CYCAS Revoluta, 60c. to $1.50 each.

RUBBERS, single plants, 7-in. pots, 3½ to 4 feet high, $1.00 each; 7 and 8 in. pots, 4½ feet high, $1.50 each.

RUBBERS, combinations, 10-in. pots, 3½ feet high, 3 plants in a pot, $3.00 each; 11-in. pots, 4 feet high, 4 plants in a pot, $4.00 each; 9-in. pots, 3 feet high, 4 plants in a pot, $3.50 each.

ROSES

Timed to bloom in about a week, fine bushes; Flower of Fairfield, new everblooming Crimson Rambler, best ever introduced, $12, $18 and $24 a dozen.

Crimson Ramblers, in bud, fine bushes timed for Decoration Day, $75.00 per 100.

Tausendschon, pink, very fine, $1, $1.50 and $2 each.

Mrs. Cuthush, pink, $9 and $12 a dozen; Lady Gay, Dorothy Perkins and Hiawatha, assorted, $9 a dozen; timed for Decoration Day.

Standard Roses, in variety, established in pots, $1 each.

ANTON SCHULTHEIS, COLLEGE POINT, (L. I.) N. Y.

Please mention the Exchange when writing.

Dracaena Indivisa

A Fine Stock In All Sizes

4 inch, 12 to 15c.; 5 inch, 20 and 25c.; 6 inch, 35 and 50c.; 7 inch, 75c.

SCOTTII FERNS, 6 inch, 50c.

COCOS WEDDELLIANA, 2¼ inch, 10c. each, $9.00 per 100.

ASPARAGUS PLUMOSUS, 2¼ inch, strong, $3.00 per 100; 4 inch, $10.00 per 100.

Henry Weston

Hempstead, N. Y.

Please mention the Exchange when writing.

DRACAENA INDIVISA

Bench grown, 1 year, transplanted; $1.50 per 100, $12.00 per 1000.

Dwarf Alyssum, Giant Stocks, Senecio (Parlor Ivy), Feverfew, and Alexander Daisy, from 2½-in., all at the low price of $1.50 per 100. Strong Started Cannas, 1½c. each. Pansies and Daisies all sold.

Cash prices.

E. FRYER, Johnstown, Pa.

Please mention the Exchange when writing.

DRACAENA Indivisa 4-in., $10.00 per 100.

CANNAS. Pennsylvania, $1.50; A. Bouvier, $1.50; Austria, $1.25; Italia, $1.75; B. Beauty, $2.50; Egandale, $1.50; Marlborough, $2.00; America, $1.25; D. Harum, $2.00 per 100.

HYDRANGEA Paniculata grandiflora, 2 to 3 ft., $10.00; 18 in. to 24 in., $6.00 per 100.

PRIMULA Obconica, 2-in., $1.50 per 100; 3-in., $4.00 per 100; 4-in., $6.00 per 100.

GERANIUM, Ricard, 3-in., $2.00 per 100.

FICUS Elastica, 6-in., $30.00 per 100.

ASPARAGUS Sprengeri, 2-in., $2.00 per 100. Plumosus, 2-in., $2.00 per 100.

ENGLISH IVY, R. C., 75c. per 100; var. R. C., 75c. per 100.

ENGLISH IVY, 2 in., $2.00 per 100.

FERNS, Scottii, 2½-in., $5.00 per 100; 3-in., $10.00 per 100; 4-in., $15.00 per 100; 5-in., $20.00 per 100; 6-in., $36.00 per 100.

FERNS, Boston, 3-in., $5.00 per 100; 4-in., $15.00 per 100.

J. H. DANN & SON

Westfield, N. Y.

Please mention the Exchange when writing.

DOMOTO BROS.

Wholesale Florists

Store, 2729 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.

Headquarters for

Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.

We respectfully solicit your patronage.

Please mention the Exchange when writing.

Albany, N. Y.

Preparations for the second annual flower show were discussed at a special meeting of the Albany Florists' Club held on Thursday of last week, at the establishment of W. C. King. Fred. A. Danker, chairman of the show committee last year, gave a preliminary report on the finances of the show held at the State Armory in November. The report showed that the committee had a large cash balance on hand and that there is a large balance still due the Club for advertisements in the official program and for tickets yet to be accounted for by members. All bills had been paid except a few premiums. A full report of the show to clear everything will be on hand at the next regular meeting, the first Thursday in May. A committee of five members was appointed, with John Sambrook, of Sambrook Bros., Troy, as chairman, to call upon the different florists who did not exhibit last year, to see if they won't be interested in the next show sufficiently to exhibit, thus making it a full show for all concerned. The evening was passed very pleasantly and was conspicuous by two features. One was a small private show given by members only. President Fred Goldring of Slingerlands, N. Y., brought in from his greenhouses some seedling Carnations which were exceedingly large. Fred A. Danker placed on exhibit a beautiful vase of light pink seedling Carnations of his own growing, which deserved comment. Henkes Bros. of Newtonville, had on exhibition two handsome vases of seedlings of a maroon red of their own growing, which were fine. W. W. Hannell, Watervliet, had three very fine and large vases of white, light pink and dark pink seedlings of his own growing. He also exhibited a vase of Bride and Bridesmaid Roses which certainly were fine, both in size, color and stems. After the show and meeting a fine repast was prepared by the genial Pat Hyde and committee on refreshments, and about fifty members went in for the good things to eat, drink and smoke. The gathering ended with a few selections by the good entertainer, J. J. McCarthy, and all were satisfied with the good time and treat which they had.

Visitors: Morris Cohen, of Wertheimer Bros., and J. Dilloff, of Schloss Bros., New York. W. C. K.

Kalamazoo, Mich.

A week of raw cold weather, at times accompanied by snow, has not been of much benefit to the florists, while the damage to the fruit crops (which were all in full bloom) must be enormous.

As showing the peculiar effects of the season on the fruit trees in this section I mention the fact that the earliest of the Cherries and the latest of Apples were in blossom at the same time, viz., April 18, a circumstance never before noted so far as I can find out.

While trade in the cutflower line is in a very moderate way those who do landscaping and planting are being rushed with work and there is lots doing along this line. William Thomas is specializing on this work and says he has all the work he can attend to with his present force, and has to turn much away on account of the difficulty of securing efficient help.

The help problem is somewhat a knotty question among the florists here as elsewhere.

In reference to your editorial on the cost of production and marketing the stock it seems more than strange that so vital a question should be passed without comment from some of the leading growers and shippers. That there is such a thing as "first cost" appears to have escaped the view of most florists, hence we have the prices of today, for the most part, on the basis of those of twenty years ago. Sometime, I suppose, in the future, we shall learn enough to know how to adjust the price list to the cost price, and maybe to keep the supply and demand in closer touch than at present. Doubtless, however, such commonsense methods will only be reached through a new generation of florists who will be in the business to make a living.

The Central Nursery Co. will soon be doing business in their new store on Burdick st.; this is one of the choicest localities in the city and should bring that firm lots of business. S. B.

WACO, TEX.—Wolfe, the florist at Garden City, is making extensive additions to the greenhouses there.

A Few Good Things You Want

DRACAENA Indivisa, 3-in., $5.00 per 100; 4-in., $10.00 per 100.

BEGONIA Rex, 2-in., $5.00 per 100.

ASPARAGUS plumosus, 2-in. $3.00 per 100; 3-in., $5.00 per 100. Cut sprays, 25c. per bunch.

ASPARAGUS Sprengeri, 3-in., $5.00 per 100.

GERANIUMS, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in., $3.00 per 100.

FERNS. Whitmani, 4-in., 25c. each. Boston, 4-in., 15c. each; 5-in., 25c. each.

COLEUS, ALTERNANTHERAS, red and yellow, **VERBENAS, HELIOTROPE, CIGAR PLANT, SALVIA** (Scarlet Sage), **Zurich** (always in bloom), **VINCA Variegata**, 2-in., stock of these, $2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'e properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

From 3-inch pots, $5.00 per 100; $45.00 per 1000, Cash with order please

FLORAL HILL GARDENS

G. F. NEIPP, Prop.

CHATHAM, N. J.

Please mention the Exchange when writing.

ORDER NOW For June Delivery

Begonia Gloire de Lorraine

2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen

2½-in., $5.00 per 100, $45.00 per 1000

Poinsettias

2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis

2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.

Scranton, Pa.

Please mention the Exchange when writing.

Why Delay Ordering Your Begonia Gloire de Lorraine?

You will soon want them sure. We are equipped better than ever to supply Excellent Stock; 2½-inch pots, twice transplanted, at $15.00 per 100, $140.00 per 1000.

CYCLAMEN, 3-inch pots, $7.00 per 100; 4-inch pots, $15.00 per 100.

POINSETTIAS, 2½-inch pots $5.00 per 100; $45.00 per 1000. Write us for Katalog.

SKIDELSKY & IRWIN CO., 1215 Estz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

CYCLAMEN

Splendens Gigenteum Hybrids.

The strain which I offer is unsurpassable, August Seedlings, twice transplanted from flats in 5 colors including fringed varieties $3.00 per 100, $25.00 per 1000; from 2½-in. pots, $5.00 per 100, $45.00 per 1000; from 3-in. pots, $7.00 per 100, $65.00 per 1000. Now ready.

GERANIUMS

Alph. Ricard, John Doyle, Castellane, Mme. Thibaut, S. A. Nutt, Beauty Poitevine, E. G. Hill, Jean Viaud, Mme. Landry, Mme. Jaulin, La Favorite, extra well grown plants in bud and bloom from 3½-in. pots, $6.00 per 100, $55.00 per 1000. Satisfaction Guaranteed.

PAUL MADER, EAST STROUDSBURG, PA.

Please mention the Exchange when writing.

CROTONS

Fine varieties, first-class plants, highly colored, 25c., 35c., 50c., 75c. and $1.00 each.

DRACAENA SANDERI, 3-in., 35c.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

VOLUME 1 NUMBER 1

BODDINGTON'S STORE NEWS

SATURDAY, APRIL 30th, 1910

PUBLISHED EVERY NOW AND AGAIN

Remember you may deduct 5% if cash accompanies order.

CANNAS

We are sold out of all Cannas, with the exception of the following varieties, and offer until sold at the prices quoted.

F. O. B. NEW YORK OR CHICAGO
FOR IMMEDIATE DELIVERY

RED-FLOWERING CANNAS

	100	1000
A. Bonvier, 5 ft.	$1.50	$14.00
Black Prince, 3 to 4 ft.	1.75	15.00
Exp. Crampbell, 5½ ft.	1.50	14.00

RED, GOLD-EDGED AND SPOTTED SHADES

Gladiator, 4 ft.	2.75	25.00
Indiana, 3 to 4 ft.	1.75	15.00
Queen Charlotte, 3½ ft.	2.25	20.00
Mad. Crozy, 5½ ft.	2.00	17.50
S. de A. Crozy	2.00	17.50

PINK SHADES

Louise, 5 ft.	1.75	15.00
Mlle. Bernt, 4½ ft.	1.75	15.00

BRONZE-LEAVED, FLOWERING CANNAS

Egandale, 4 ft.	1.50	14.00
Shenandoah, 6 ft.	1.76	15.00

ORCHID-FLOWERING CANNAS

Italia, 4½ ft.	1.75	16.00
Kronus, 5 ft.	1.75	16.00
Mrs. Kate Grny, 6 ft.	1.75	15.00

Our Cannas are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at 1000 rate. It is cheaper for you to buy a box than 200 at 100 rate.

Not less than 25 of one variety at 100 rate or 250 of one variety at 1000 rate.

Chicago and Western agents for our Cannas:
WINTERSON'S SEED STORE
45-47-49 Wabash ave., Chicago, Ill.

CALADIUM ESCULENTUM

ELEPHANT'S EAR

Bulbs 6 to 8 inches in circumference, 200 in a case, 25c. per doz, $2.00 per 100, $15.00 per 1000.

Bulbs 8 to 10 inches, 100 in a case, 50c. per doz., $3.50 per 100, $30.00 per 1000.

Bulbs 10 to 12 inches, 75 in a case, 75c. per doz., $5.50 per 100, $50.00 per 1000.

Bulbs 12 to 13 inches, 50 in a case, $1.00 per doz., $8.00 per 100, $75.00 per 1000.

Full cases at 100 rate.

TUBEROSES

"RED SEAL BRAND," EXCELSIOR PEARL

4 to 6 inches 75c. per 100, $6.60 per 1000; 5 to 7 inches, $1.00 per 100, $7.50 per 1000; 6 to 8 inches, $1.25 per 100, $12.00 per 1000.

GLADIOLI

America. This beautiful new Gladiolus is likely to produce as great a sensation as the now famous Princeps. The flowers, which are of immense size, are of the most beautiful flesh-pink color, and, as a florist who saw it said, it is "fine enough for a bride's bouquet." 50c. per doz., $3.25 per 100, $30.00 per 1000.

1900. Nothing finer for florists' use. Rich shade of red with very prominent white spots on three lower petals. $2.00 per 100, $15.00 per 1000.

Groff's Hybrids (originator's strain). $1.25 per 100, $10.00 per 1000.

Shakespeare. White and rose. $4.75 per 100, $45.00 per 1000.

May. Pure white, flaked rosy crimson, the best forcer selected bulbs. $1.75 per 100, $16.00 per 1000.

Brenchleyensis (true). Fiery scarlet; first size bulbs. $1.25 per 100, $9.00 per 1000.

Boddington's White and Light. Extra-selected bulbs, 1¾ inches and up. $1.50 per 100, $14.00 per 1000.

American Hybrids. A mixture of the choicest varieties of Gladiolus. $1.00 per 100, $9.00 per 1000.

Pink and Rose Shades. $1.50 per 100, $14.00 per 1000.

Lemoine's Hybrids. $1.50 per 100, $12.00 per 1000.

Childsii. $2.00 per 100, $18.00 per 1000.

Finest All Colors Mixed. 75c. per 100, $7.00 per 1000.

DAHLIAS

After considerable consideration and observation, and "talks" with the trade, we have decided to offer the following Dahlias to florists this season. Our retail Catalog, which will be mailed free, contains a larger collection, but few are superior to the following and all are good size, divided clumps that have been field-grown and are strong and healthy.

Price of all the below-named varieties of Dahlias, large divided clumps or roots, except where noted, 10 cts. each, $1.00 per doz., $3.00 per 100, $75.00 per 1000.

Jack Rose (Decorative type). The variety Jack Rose is rightly named and is a florist's Dahlia, "from the ground up." The color is similar to the Jacqueminot Rose, and is a unique color in the Dahlia, which lights up beautifully at night. The habit of the plant is stocky, very free-flowering. Producing its blooms in great profusion, upon erect, long, stiff stems, making it invaluable for cutting. You cannot afford to be without it, if you sell cut-flowers. 35c. each, $3.50 per doz., $25.00 per 100.

DECORATIVE DAHLIAS

Sylvia. Best described as a Giant Nymphæa, being stronger, larger and deeper colored. Flowers 4 to 6 inches in diameter, of fine form and full to the center, which is white, shaded to soft pink on the outer petals. One of the best cut-flower varieties. 10c. each, $1.00 per doz., $7.50 per 100.

Catherine Duer. Crimson-scarlet.

Clifford W. Bruton. Best yellow. 10c. each, $1.00 per doz., $7.50 per 100.

Frank L. Bassett. Bright purple, shading to blue.

Lyndhurst. Bright scarlet.

Maid of Kent. Cherry-red, tipped white.

Nymphaea. Color clear, light shrimp-pink.

Orange King. Rich glowing orange; early and profuse.

William Agnew. Rich, dazzling red; immense size.

CACTUS DAHLIAS

Berlichingen. Deep crimson-carmine shading to bright carmine at the tips.

Blitz. A rich, brilliant geranium-lake.

Bravo. Rich Jacqueminot-red; one of the best for cutting.

Countess of Lonsdale. Amber and salmon. 10c. each, $1.00 per doz., $7.50 per 100.

Earl of Pembroke. Bright plum. 15c. each, $1.50 per doz., $12.00 per 100.

Helene. Center creamy.

Kriemhilde. One of the finest pink Cactus Dahlias. 10c. each, $1.00 per doz., $7.50 per 100.

Libelle. A fine purple.

Ortwin. Beautiful salmon-flesh.

Standard Bearer. Brightest scarlet; profuse bloomer. 15c. each, $1.50 per doz., $12.00 per 100.

SHOW AND FANCY DAHLIAS

A. D. Livoni. Beautiful soft pink; early and profuse bloomer. 10c. each, $1.00 per doz., $7.50 per 100.

Arabella. Pale primrose, tipped and shaded old rose and lavender.

Camelliaeflora. A fine large pure white.

Grand Duke Alexis. Very large white, tinted pale lavender.

Glowing Coal. Brilliant red.

Green's White. One of the best whites for cutting.

Harlequin. Brilliant crimson, striped and tipped white.

John Thorpe. Very large; soft rich pink.

Meabeddy Beauty. Fancy buff, with crimson spots, free long stems, large bloom. 8c. each, 80c. per doz., $6.00 per 100.

Frank Smith. Rich, dark purple maroon, tipped pinkish white. A superb flower. 25c. each, $2.50 per doz.

Queen Victoria. Deep yellow; fine for cutting.

Red Hussar. Pure cardinal, red flower, very free bloomer, splendid for cutting.

White Swan. Snow-white, with long stems.

SINGLE DAHLIAS

The 20th Century. Intense rosy crimson, with white tips and white disc around yellow center. 10c. each, $1.00 per doz., $7.50 per 100.

DAHLIAS TO COLOR

We can also furnish, without names, in mixture, all colors separate, or all colors mixed, as follows:

Mixed Pinks, Mixed Whites, Mixed Reds, Mixed Yellows. 75c. per doz., $5.50 per 100, $50.00 per 1000.

Mixed, all colors. 60c. per doz., $4.50 per 100, $40.00 per 1000.

PAEONIES

The roots offered below are extra strong pieces, having 3 to 5 eyes.

PAEONIA OFFICINALIS
Double to Color.

	Per doz.	100
Rubra. Deep crimson; can be forced for Easter	$0.75	$6.00
Alba. White	1.25	10.00
Rosea. Rose; also a good forcer	1.00	7.50

PAEONIA CHINENSIS
Double to Color.

White Varieties	1.25	10.00
Pink Varieties	1.00	8.00
Red Varieties	1.00	7.50

Case containing 67 Double White, 66 Double Red, 67 Double Pink Paeonias, very strong roots, 3 to 5 eyes, 200 in all, $17.50 per case, 3 cases for $50.00.

CHOICE NAMED PAEONIA CHINENSIS

Hamlet. Fiery red.
Fragrans. Bright red.
President Harrison. Deep red.
Mad. Benoit. Soft red.
Albert Victor. Crimson.
Elegante. Pink.
Pink Beauty. Bright pink.
Marie Louise. Soft rose.
Her Majesty. Rose, light center.
Blushing Bride. Soft rose.
Sunbeam. Rosy white.
Comte de Nancy. Silvery rosy white.
Mons. Offoy. Blush-white.
Princess May. Creamy white.
Cleopatra. Silvery pink.
La Noblesse. Fine rosy pink.
Marie Hamilton. Lively rose.
Alba plena. Pure white.
Queen Victoria. Snow-white.
Gloria Mundi. Creamy white.

Any of the above strong roots, 10c. each, $1.00 per doz., $7.60 per 100.

EXTRA CHOICE PEONIES

Agida. Bright red. 15c. each, $1.25 per doz., $10.00 per 100.
Albert Crousse. Beautiful rose. 75c. each, $7.50 per doz.
Charlemagne. Rosy white, with lilac center; very late-flowering. 20c. each, $2.00 per doz., $15.00 per 100.
Charles Leveque. Delicate rose. 30c. each, $3.00 per doz., $24.00 per 100.
Cytheri. Creamy white, tinted rose. 15c. each, $1.50 per doz., $12.00 per 100.
Duchesse de Nemours. Pure white; perfect flowering; fine. 15c. each, $1.50 per doz., $12.00 per 100.
Duke of Wellington. Ivory-white, creamy center. 15c. each, $1.50 per doz., $12.00 per 100.
Festiva Maxima (true). The finest white Paeonia in cultivation. 15c. each, $1.50 per doz., $12.00 per 100.
Lady Leonora Bramwell. Lovely silvery pink; the best of all pinks. 15c. each, $1.50 per doz., $12.00 per 100.
Marie Lemoine. Satiny white; grand flower; late. 35c. each, $3.25 per doz., $25.00 per 100.
Mont Blanc. Snowy white; very early. 35c. each, $3.25 per doz., $25.00 per 100.

HARDY CLIMBERS, Etc.

AMPELOPSIS Strong Dutch-Grown

Ampelopsis Veitchii (Boston Ivy). Extra-strong, imported vines, 3-year-old. $1.25 for 10, $12.00 per 100.

Ampelopsis Veitchii robusta. A very compact-growing variety of the well-known Boston Ivy, and very highly recommended to us; will undoubtedly take the place of the ordinary Veitchii in the near future. $1.75 for 10, $15.00 per 100.

Quinquefolia (American Ivy, or Virginia Creeper). Good for covering walls, verandas, or trunks of trees; affords shade quickly. 25c. each, $1.75 for 10, $15.00 per 100.

ACTINIDIA ARGUTA

A desirable Japanese climber of strong, vigorous growth, with dark green, shining foliage and white flowers with purple centers, which are followed by clusters of edible fruit. An excellent plant for covering arbors, trellises, etc., where a rapid and dense growth is desired. Strong plants, 25c. each, $2.50 per doz.

CLEMATIS

Henryi. Pure white; extra large.
Alba. White.
Jackmanni. Purple.
Sieboldi. Lavender.
Ville de Lyon. Brilliant carmine-red; as good as Mme. Edouard Andre, but contrary to this one, is very free-growing.

Extra-strong plants, 30c. each, $2.75 for 10, $25.00 per 100.

Clematis paniculata. Strong, 2-year-old plants, $2.00 per doz., $15.00 per 100.

BIGNONIA (Trumpet Vine)

Radicans. Dark red, orange throat; free-blooming and very hardy. 20c. each, $2.00 per doz.

ARISTOLOCHIA SIPHO

Dutchman's Pipe. Strong, field-grown, 3 to 4 feet. 35c. each, $3.25 for 10, $30.00 per 100.

WISTARIA SINENSIS

Extra strong, field grown.

Blue. 6 to 7 feet, 40c. each, $3.75 for 10, $35.00 per 100.

White. 6 to 7 feet. 40c. each, $3.75 for 10, $35.00 per 100.

HONEYSUCKLE

Very extra-strong, Holland field-grown plants. 6 to 8 feet long, many branches.

Halliana. Yellow. $3.25 for 10, $30.00 per 100.

HYDRANGEA PANICULATA GRANDIFLORA

Two-year-old, 3 to 4 branches, bushy. $1.50 per doz., $10.00 per 100.

DIELYTRA SPECTABILIS

(Bleeding Heart)

Field-grown, 75c. per doz., $6.00 per 100.

INCARVILLEA

INCARVILLEA Delavayi (Hardy Gloxinia) The foliage resembles that of the acanthus, while the blossoms appear like clusters of pink Gloxinias. Strong roots. 10c. each, 75c. per doz., $5.00 per 100.

CINNAMON VINE

Large-size bulbs. 50c. per doz., $3.00 per 100, $25.00 per 1000.

CALLAS, SPOTTED LEAF

(Richardia albomaculata)

Very free Summer-blooming variety. $3.00 per 100, $25.00 per 1000.

HYACINTHUS CANDICANS

HYACINTHUS Candicans (Cape Hyacinth) Large bulbs, $1.50 per 100, $12.00 per 1000.

MADEIRA VINES

Large bulbs, $1.25 per 100, $10.00 per 1000.

MONTBRETIAS

Crocosmaeflora. Orange-scarlet. 75c. per 100, $5.00 per 1000.

Etoile de Feu. Rich scarlet, yellow center. 75c. per 100, $6.00 per 1000.

Rayon d'Or. Deep yellow, very large. 75c. per 100, $5.00 per 1000.

Pottsii grandiflora. Bright yellow, flushed with red. 75c. per 100, $6.00 per 1000.

Soleil Conchant. Bright red. 75c. per 100, $5.00 per 1000.

JAPANESE IRIS

(Iris Kaempferi)

Named varieties, our selection, $1.25 per doz., $10.00 per 100, $75.00 per 1000. 25 at 100 rate, 250 at 1000 rate.

AMARYLLIS

Vittata Hybrids. These are grown especially for us and contain a remarkable range of colors from self pure white to darkest crimson, or flaked and striped. These are easily grown. Florists should certainly grow a few of this delightful plant that sells on sight. 40c. each, $4.00 per doz., $8.00 for 25, $30.00 per 100.

Belladonna major. $1.00 per doz., $7.00 per 100.

Johnsoni (Bermuda Spice Lily). Crimson flowers, white stripes. $1.75 per doz., $14.00 per 100.

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200 cases **Cattleya Trianae** in perfect condition. If potted now **will flower this season.** Order at once.

Cattleya Labiata, due in two weeks.

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Largest Importers, Exporters, Growers and Hybridists in the world.

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A large and attractive lot of established plants; also importations coming, which we offer at advantageous prices.

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CATTLEYA TRIANAE arrived in fine condition, also Oncidiums, Laelias, Miltonias, and many more. All other Commercial kinds to arrive shortly.

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From pots, strong, healthy plants, $3.50 per 100; including Enchantress, R. P. Enchantress, Lady Bountiful, Pres. Seelye, White Perfection, Crimson Beauty, Beacon, Pink Imperial, Harlowarden, Mrs. Patten, Variegated Lawson and Winsor.

Cash with order.

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From 2¼-inch pots, $35.00 per 1000

Princess of Wales Violets

Rooted Runners, $9.00 per 1000

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F. Dorner & Sons Co.
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CARNATIONS

Rooted Cuttings.

Large, strong, well rooted, absolutely no disease, taken from plants grown especially for stock and rooted in a cool house. These will make plants quickly and cannot fail to please you.

	100	1000
Enchantress	$3.00	$25.00
Pure White Enchantress	3.50	30.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Winona	3.50	30.00
Beacon	3.50	30.00
Winsor	3.00	25.00
Harlowarden	2.50	20.00

Cash with order. 250 at 1000 rates.

SMITH & GANNETT, Geneva, N. Y.

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FERNS ASSORTED FOR DISHES

Full grown plants from 2¼-in. pots, $3.00 per 100, 3-in. $6 per 100, 4-in. $12 per 100.

Asparagus P. Nanus 3-in. pots, $6.00 per 100.

Cocos and Kentias For Centers, 2¼-in. $10.00 per 100, 3-in. 15c. each.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

Firms Who are Building

ATLANTIC CITY, N. J.—Chas. C. Mason recently completed one large greenhouse and expects to put up more in the Fall.

New Bedford, Mass.

There was a fairly good demand for cut flowers the past week, with the supply equal to it. Funeral work was good, using up large quantities of flowers. Carnations retail at 50c. and Roses at $1.50 per doz. Violet are done; Sweet Peas at $1 per 100. Bulb stock is getting low; Paperwhites are about all done; Daffodils and Tulips are still to be seen; these retail at 50c. per doz. Snapdragons at $1 per doz. Ten-Weeks' Stock around here will be about right for Memorial Day.

R. E. Nofftz has some excellent window displays these days.

Boston and Whitmani Ferns, sell well at prices within reach of all.

Vegetation is opening up quickly under the warm sun and the nice mild weather we are having. Pansy and Daisy roots sell well.

Plans for the June Rose show are being made by the Hort. Society. It is probable that the show will be free to the public and it may be held in a local department store, perhaps on a Friday or Saturday afternoon or evening; the date of the exhibition will be announced later. It is hoped to have a display from the gardens of Miss Fay at Woods Hole. Mr. Walsh, Miss Fay's gardener, has made exhibitions in this city before and what he has to show always attracts wide attention. Mr. Walsh probably grows a larger collection of Roses than any other grower in this section.

Tulips and Daffodils are in full bloom out-of-doors. HORTICO.

Detroit

Prices ruled considerably firmer last week compared with those of the previous week, still the demand was below normal. Inclement weather reduced counter sales to a minimum, and a lack of large funeral work helped materially to bring about a reduction in business. Fortunately for the growers hereabouts, they are all off crop and therefore we have the peculiar situation of a low business barometer, with no glut, in the middle of April.

Violets and bulbous stock are about at an end. Outdoor bulbs would now bring better returns than those grown indoors last Winter, but few growers hereabouts pay any attention to them. Spanish Iris, Daisies and Sweet Peas find a very good market here. Hydrangeas have sold well but are about gone. Calls for Boston Ferns and Kentias are plentiful but they are very, very scarce.

Mayor Philip Breitmeyer recently spent two days in Buffalo, on account of the death of his mother's sister.

Prospects for a good Spring trade are very good indeed and the prevailing cool weather is really a relief, because it stops the impatient one from demanding his bed of Geraniums planted at once.

The D. M. Ferry Co. is distributing Candytuft seed free, to bring about a general planting of this flower in honor of the Elks convening here next July. Several outside firms are canvassing local business houses for orders for decorations for this convention, but they are only the old-fashioned bunting and flag affairs. There will be more than plenty of work for those florists who design something original and tasty.

FRANK DANZER.

FERNS FERNS

Assorted Ferns for Jardinieres, in 6 to 3 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $25.00 per 1000. FERN SEEDLINGS, from flats, in 10 best varieties, ready June 1.

THOMAS P. CHRISTENSEN
SHORT HILLS, N. J.

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SHASTA

Our new white carnation, ready now at $12.00 per 100; $100.00 per 1000. The biggest paying White Carnation you ever saw. We are shipping fine, well rooted cuttings.

BAUR & SMITH, Indianapolis, Ind.

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CARNATION CUTTINGS

My stock has not been allowed to throw over three blooms per plant and is, therefore, very vigorous, producing cuttings strong and full of life. Cuttings from such stock will produce more and better flowers next Winter than the ordinary grade from stock that has been flowered to death.

	100	1000
Harlowarden	$2.60	$20.00
Enchantress	3.00	26.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Pure White Enchantress	3.50	30.00
Winona	3.50	30.00
Beacon	3.60	30.00

250 at 1000 rate.

Cash with order, or references.

A. A. GANNETT, GENEVA, N. Y.

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FERNS
MY SPECIALTY

Adiantum Cuneatum and Gracillimum, 2¼ in., $3.60 per 100, $30.00 per 1000.

FERNS FOR FERN DISHES

Extra strong, healthy, bushy, full grown, 2¼ in. stock, guaranteed to please; in assortment of 11 best varieties, $3.00 per 100, $25.00 per 1000. 3 in., $6.00 per 100, $55.00 per 1000.

250 at 1000 rate.

Asparagus plumosus nanus. Excellent 2¼ in. stock, $3.00 per 100, $25.00 per 1000.

J. F. ANDERSON, Short Hills, N. J.

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Scholzeli Fern

The best payer and most prolific Fern to date. 2¼-in. $7.00 per 100.

	Per 100
Superbissima, 2¼-in.	$7.00
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Scottii, 2¼-in.	5.00

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WHITMANI, 2¼-in., $5.00 per 100; $40.00 per 1000.
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All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready June 1. Terms and price on application to,

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G. and F. Club of Boston

The regular monthly meeting of the Club was held at Hort. Hall, Tuesday, April 26. The month of April is a busy one, both for florists and gardeners, and the April meeting is generally the smallest of the year. There were about 100 members present. Peter Millar, the vice-president, presided. The committee, consisting of William J. Stewart, Patrick Welch and William Downs, brought in the resolutions on the death of the late treasurer of the Club, Edward Hatch. They were read and approved and the secretary was instructed to send a copy of the same to the bereaved family.

A satisfactory report was read from the landscape class.

Many letters were read by the secretary from congressmen and others, approving of the action of the Club in regard to the free distribution of seeds and the Parcels Post, and they all promised to do all they could to help the cause.

A letter was read by the secretary from John W. Duncan, resigning the office of president and also withdrawing his membership from the Club, both of which were accepted.

Peter Fisher was unanimously elected treasurer of the Club.

In place of the regular lecture several horticultural topics were discussed and a short time was given to each of the following subjects:

1. The best early flowering shrubs for Massachusetts.

2. Useful annuals for cut flowers under glass in Winter.

3. What varieties of herbaceous perennials are better planted in the Spring than in the Fall in New England?

4. What are some of the most desirable early flowering herbaceous perennials, varieties which will bloom in April?

5. What is the best time to propagate Chrysanthemums to be grown as single stems for the Boston market? Do early, midseason, or late varieties pay the best?

6. What is the best fertilizer for Strawberries in the open garden and when is it best applied?

The first query proved by far the most interesting and instructive.

Mr. Curtis, from the Arnold Arboretum, brought with him a handsome lot of specimens of early flowering shrubs in bloom with which he illustrated his talk. His description of each shrub and its various uses were well pointed out and the members greatly appreciated his remarks.

The second query was answered by William Swan of Manchester, who sent a short instructive paper as he was unable to attend.

The third query was answered by Frederick Rea of Norwood, who also sent a paper, and several others took part in the discussion, but no new points of any value were brought out.

The sixth was answered by Wilfred Wheeler of Concord, who sent a very instructive paper which was read by the secretary.

On the whole the questions and answers did not prove as interesting as a good lecture on one subject, and we hope the Executive Committee will get some good papers for the rest of the meetings of the year.

There were a few exhibits. The most interesting came from Louis Dupuy, Whitestone, Long Island, N. Y., who sent two plants of Hydrangea hortensis var. Avalanche, with fine large heads of white flowers. The plants were much admired. Mr. Dupuy says this is by far the best Hydrangea in cultivation; it received a report of merit. Mr. Dupuy sent also a nicely grown plant of Erica ventricosa magnifica, which was much admired; this also received a report of merit.

A good vase of Stocks came from Fred. Palmer of Brookline, which received a vote of thanks.

Snapdragons from John Dorgan received a report of merit.

Mrs. E. M. Gill received a vote of thanks for a nice lot of herbaceous Calceolaria.

Peter Fisher exhibited his seedling No. 409, which is an improved Beacon. He says it holds its color well in the Spring and thinks, after another year's trial, it will turn out to be a good variety.

R. C.

PITTSBURGH, PA.—John Lang, aged 82 years, a well-known gardener of No. 213 Denniston ave., East End, died at his home, April 19, from infirmities of age. He was born in Germany and came to Pittsburgh when a child. He is survived by two daughters, Mrs. William J. Krufp and Mrs. J. P. Geisler.

CENTREVILLE, IND.—The Davis greenhouse was considerably damaged by wind April 16.

MONTREAL, CAN.—The Mount Bruno Floral Co. has been incorporated with a capital of $50,000.

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1000 OCTOBER FROST or GOLDEN GLOW, out of 2½-in. pots, $17.50; 500 for $9.00.

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White Seedling No. 1	5.00	40.00	6.00	60.00
White Seedling No. 2	8.00	75.00	9.00	80.00
Virginia Poehlmann	3.00	25.00	4.00	35.00
Alice Roosevelt	3.00	25.00	4.00	35.00
Alice Byron	2.00	15.00	2.50	20.00
Minnie Wanamaker	2.00	16.00	2.50	20.00
Nonin	2.00	15.00	2.60	20.00
White Bonnaffon	2.00	15.00	2.50	20.00
Yanoma	4.00	30.00	5.00	45.00
John Burton (late)	4.00	30.00	6.00	45.00
Chadwick	3.00	25.00	4.00	35.00
Novelties.				
Lynwood Hall	5.00	40.00	6.00	60.00
Pres. Taft	10.00		12.00	
Pompon Baby Margaret	10.00		12.00	
YELLOW.				
Golden Glow (500 for $9.00.)	2.00	15.00	2.50	17.50
Monrovia	2.00	15.00	2.50	20.00
Appleton	2.00	15.00	2.60	20.00
Maj. Bonnaffon	2.00	16.00	2.50	20.00
Golden Eagle (new)	4.00	35.00	6.00	45.00
Golden Chadwick	3.00	27.00	4.00	35.00
Mrs. W. E. Kelley (new)	10.00		12.00	
Virginia (new)	10.00		12.00	
Baby (Pompon)	5.00		6.00	
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Rosiere	2.00	15.00	2.50	20.00
Minnie Bailey	2.00	15.00	2.60	20.00
Dr. Enguehard	2.00	15.00	2.50	20.00
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Black Hawk	3.00	25.00	4.00	35.00

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Rose Enchantress	2.60	20.00
White Enchantress	2.50	20.00
Beacon	2.50	20.00
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3-inch stock of following: Salvias, Lobelias, Petuniae, Ice Pink, Salleroi, Geraniums, German Ivies, Thunbergiae, and all standard cutting and seedling stock, $3.00 per 100, $25.00 per 1000.

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Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the Exchange.

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2¼-inch pots

PINK	Per 100
A. J. Balfour	$2.50
Glory of Pacific	2.50
Maud Dean	2.60
Pink Ivory	2.60
YELLOW	
Col. Appleton	$2.60
Gold Mine	3.00
Monrovia	3.00
Major Bonnaffon	2.50
October Sunshine	2.50
Yellow Eaton	3.00
WHITE	
Alice Byron	$2.50
Jeanne Nonin	2.60
Ivory	2.26
Mrs. H. Robinson	2.60
Beatrice May	3.00
Polly Rose	2.50
Timothy Eaton	2.50
White Dean	3.00
Yanoma	3.00
CRIMSON	
Black Hawk	$2.60
John Shrimpton	2.60
SINGLES	
Rob Roy	$10.00
Anna Spangle	10.00
Irene Cragg	10.00

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Chrysanthemum Stock

Polly Rose, Pacific, Shaw, Monrovia, Halliday, Ivory, Nonin, Bonnaffon, Enguehard, Adelia, $1.50 per 100, $10.00 per 1000. Chadwick, $2.00 per 100.

900 SMILAX, 3-in., if taken at once, $10.00 for the lot.

ENGLISH IVY, 3-in., $8.00 per 100.

Two-year-old EVERGREENS, $5.00 per 100.

Cash with order, please.

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(SPORT OF HELEN FRICK)

2½-inch pots, $6.00 per 100; $50.00 per 1000.

PAUL FISCHER

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Please mention the Exchange when writing.

Skaneateles, N. Y.

J. G. White is very pleased with his Winter's trade. He has had quite large crops of Carnations, Sweet Peas and Callas, all of which sold readily, and hardly a flower was wasted. Upon my visit a few days ago I found everything in fine shape. All the stock is healthy and vigorous. The Carnations are remarkably good and the Sweet Peas are the finest lot I have seen for some time, flowers large with stems a foot long. His bedding stock is very good, in fact, the whole place is a credit to him.

Mrs. Daneer, who carries on the nursery established by her father, the late James A. Root, reports trade as very good. At this place a specialty is made of evergreens; millions of seedlings are sold yearly, gathered from clearings in the forests in exposed places, and they are found to produce quicker and better results than those usually raised in the nursery. Very large shipments are made to Pennsylvania, one firm alone in Philadelphia this Spring taking 80,000. All the stock is looking good and has stood the long hard Winter well. H. Y.

Catalogs Received

S. J. McMICHAEL, Findlay, O.—Wholesale and Retail Trade List of Vegetable Greenhouse and Bedding Plants.

THEO. KOSS, 488 National ave., Milwaukee, Wis.—Catalog of Garden and Farm Seeds, Poultry Supplies, etc. Illustrated.

MORRIS & SNOW SEED CO., Los Angeles, Cal.—Catalog under the title of "A Few Hints on Gardening," covering Seeds, Bulbs, Plants, Trees, Shrubs, Insecticides, etc.

HEINRICH JUNGE, Hameln, Germany.—Illustrated Catalog of Novelties and Hardy Perennials, including Bush Asters, Spiræas, Iris, Peonies, Aquatics, Evergreens and Flowering Shrubs.

KOOLBERGEN & SLIEDRECHT, Boskoop, Holland.—Catalog of General Nursery Stock, including Rhododendrons, Azaleas, Roses, Clematis, Boxwood, Peonies, Hardy and Forcing Plants and Shrubs.

GEORG ARENDS, Ronsdorf, Germany. Catalog of Plants and Seeds, including Hardy Herbaceous Plants of various kinds, Spiræas, Iris, Peonies, Alpine Plants, Swamp Plants, Aquatics, and Dahlias. The volume contains 84 pages, is well illustrated, and embraces several novelties.

STATE NURSERY CO., Helena, Mont.—Catalog of Seeds, Plants, Trees, etc. The publication covers flowering and decorative plants, including Palms and Ferns, Hardy Perennials, Hardy Shrubs and Vines, Hedge Plants, Shade and Ornamental Trees, Fruits and general lines of seeds, both flower and vegetable. Profusely illustrated. The greenhouses of the company cover 155,000 square feet.

McCRAY REFRIGERATOR CO., Kendallville, Ind.—"Refrigerators for Flower Shops" is the title of a catalog which aptly describes the contents. It is a very handsome publication of 16 pages and contains, besides descriptions of the different kinds of refrigerators made by the company, some interesting information in regard to florists refrigerators. There are many fine illustrations, including some of store interiors of well-known florists.

RALPH M. WARD & CO., 12 West Broadway, New York.—Catalog of Horse Shoe Brand of Products, embracing Japanese Bulbs and Plants; Formosa and Loochoo Lily Bulbs; Bulbs from France, Germany and Holland; American Callas; Azore Bulbs; Belgian Azaleas; and Bay Trees. This is a 24-page publication, 12 by 18 inches in size, and contains much valuable information in regard to Lily and other flowering bulbs. The Japanese section occupies the greater portion of the book, and the illustrations are very fine, including many field and warehouse views from Japan, and greenhouse interiors at home. A fine line of Japanese Nursery stock is listed and described, and Bamboo canes and poles for staking are listed and the methods of handling them illustrated. Messrs. Ward are the American representatives of Seitaro Arai of Yokohama, Japan, and Martial Bremond, Ollioules, France.

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VERBENAS, 2½-in. pots, $2.50 per 100, $20.00 per 1000.
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Baltimore

Business has fallen off considerably and many cut flowers and pot plants are thrown on the market, inferior grades being offered at a very low figure. The weather is accountable for the condition. Rain for the past several days has handicapped business in nearly all lines. The seed business has taken a big drop due to the fact that ground is in very bad shape and cannot be worked for a few days.

Trade among the retailers is dull, excepting for funeral work. At the city market many plants are taken home just as brought in, and the street men stay a little later than usual trying to dispose of their stock. The street fakirs are out in full force, but business has been slow even with them. So far as can be learned we have not been hurt by the frost and weather conditions and crops are in apple-pie order.

August Eberhardt had an attractive stall in the market last Tuesday, showing 1000 Pansy plants on an incline. The appearance was enough to catch good trade.

Conrad Hess, is offering a choice lot of various Ferns, but they move slowly.

C. E. Smith & Co. have an attractive window display of seasonable blooms and nursery stock.

The Holland is making fine window displays.

J. Bolgiano & Sons are certainly making a hit in the local newspapers with details of various bargains in potted plants. Their store from early morning until a late hour is crowded with a continuous stream of buyers.

Griffith & Turner Co. had a record-breaking season this year in all branches of their business. Many private estates in this section were supplied with the G. & T. well-known seeds.

S. L. Lamberd Co. are showing a complete line of lawn mowers and their sample room of "set-up" articles makes quite a hit.

Club Meeting

A regular meeting of the Gardeners and Florists' Club of Baltimore was held last Monday night, April 26, in the Club rooms over the Florists' Exchange. Owing to the unfavorable weather conditions the attendance was small. However, those present did not regret turning out, as an interesting meeting was held and considerable business of importance was discussed. Some hot discussion was on hand and the question box brought forth many matters of interest. R. J. Irwin of Philadelphia was elected a member of the Club. James Hamilton of Mt. Washington, Md., showed two vases of Darwin and Tournesol Tulips that attracted attention. The smoker that is to be held May 23 next should provide a royal good time for the members and their friends. The committee is doing its utmost to make it a big success.

Bowling

The ladies' bowling teams of the Washington and Baltimore Clubs made the following scores at the Garage Bowling Alleys on Tuesday night:

Washington 544-480
Baltimore 465-466

J. L. T.

POUGHKEEPSIE, N. Y.—The plant of Charles Mitchell, greenhouse contractor, was damaged to the extent of about $1000 on April 18.

GERANIUMS

S. A. Nutt, from 4-inch pots, at $6.00 per 100. Satisfaction guaranteed.

BRANT BROS., Inc., Utica, N.Y.

Please mention the Exchange when writing.

DON'T GET LEFT

Geraniums! Geraniums!

Nutt, Doyle, Buchner, La Favorite, Grant, Bruanti and others, also Rose Geraniums, $18.00 per 1000; 500 at 1000 rates.

Coleus, Rooted Cuttings, in variety, $5.00 per 1000. Verschaffelti, $6.00 per 1000.

Ageratum, Stella Gurney, Pauline and others, R. C., 60c.; 2¼-in. pots, $1.00 per 100. Heliotrope, all dark, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Feverfew, Little Gem, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Achyranthes Lindeni, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Pilea, Artillery Plant, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Ivy, German, 2¼-in. pots, $1.50 per 100.

Cash with order.

J. E. FELTHOUSEN

154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

Rooted Cuttings

Per 100

GERANIUMS, leading varieties, R. C...$1.00
GERANIUMS, leading varieties, 2-in... 2.00
GERANIUMS, leading varieties, 3-in... 3.00
GERANIUMS, leading varieties, 4-in... 5.00
CHRYSANTHEMUMS, leading varieties R. C. 1.00
CHRYSANTHEMUMS, leading varieties 2-in. 2.00
STEVIA, leading varieties, R. C..... 1.00
STEVIA, leading varieties, 2-in..... 2.00
CANNAS, leading varieties, started.... 2.00
CANNAS, leading varieties, 3-in..... 5.00

HENRY HOLZAPFEL, Jr. HAGERSTOWN, MARYLAND

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings: S. A. Nutt and Buchner, $10.00 per 1000.

Ricard, Poitevine, Castellane and Viaud, ready April 25th.

BEGONIAS

Extra fine transplanted plants of Gracilis Rosea, $1.00 per 100 by mail; $6.00 per 1000 by express. Fine bushy Vernon from 2-in. pots, $2.00 per 100, $18.00 per 1000, by express. Cash with order.

PETER BROWN, 124 RUBY STREET Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

Nice stocky 3-in. stock of the following varieties: Nutt, Ricard, Poitevine, Castellane, Jaulin, Grant and Doyle, $4.00 per 100, $35.00 per 1000.

F. SCHELL & CO., Florists LANCASTER PA.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.

Ricard, Poitevine and S. A. Nutt, ready May 15, at $10.00 per 1000.

PLUMOSUS

Fine stock from Rose pots at $25.00 per 1000; sample for 10c.

SMILAX and SPRENGERI

Ready June 1.

Smilax, $12.50 per 1000.
Sprengeri, $15.00 per 1000.

ALBERT M. HERR

LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS

Fine, stocky plants, in bud and bloom, 4-in., Nutt, Poitevine, Ricard, La Favorite, Trego, Perkins, Jaulin, etc., $6.00 per 100.

Dark blue HELIOTROPE and Dwarf blue LOBELIAS, large plants, from flats, 75c. per 100, $6.00 per 1000.

HILL TOP GREENHOUSES, 84 Churchill Avenue UTICA, N.Y.

Please mention the Exchange when writing.

HASTINGS, NEB.—A hailstorm on April 14 did considerable damage to the greenhouses of C. W. Sidles, C. B. Tanner and Chas. Winkler. About half the glass on the Tanner greenhouse was broken and at the other two the loss was from a third to one-half.

NOW READY

GERANIUMS, HELIOTROPE, ETC.

S. A. Nutt, Beaute Poitevine, La Favorite, A. Ricard, Frances Perkins, Jean Viaud, John Doyle, Mme. Jaulin, Gloire de France, Marquis de Castellane, and Rose Geraniums, 3½-in. pots, $5.00 per 100.

PELARGONIUMS, Victor, 3½-in. pots, $7.00 per 100.

HELIOTROPE, Queen of Violets, Chieftain and Mme. Bloomy, 3½-in. pots, $5.00 per 100.

CANNAS, Duke, Queen Charlotte, Florence Vaughan, Martha Washington, (beautiful pink), 4-in. pots, $6.00 per 100.

IVY GERANIUMS, in variety, 3½-in. pots, $5.00 per 100.

FUCHSIAS, Snow White and Avalanche, 4-in. pots, $10.00 per 100.

VINCA Variegata, 3½-in. pots, $5.00 per 100.

BEGONIA Rex, 4 varieties, all good, 4-in. pots, $10.00 per 100.

COBAEA Scandens, 3-in. pots, $3.00 per 100.

BEGONIA Rex and BEGONIA Metallica, 3-in. pots, $4.00 per 100.

VERBENAS, SWEET ALYSSUM, Little Dorrit, 2-in. pots, $2.50 per 100.

PARLOR IVY, HELIOTROPE, two varieties; VINCA Variegata; SALVIA, Bonfire and Splendens; 2½-in. pots, $2.00 per 100.

PELARGONIUM, Victor, 3-in. pots, $4.00 per 100.

PETUNIAS, Single, large-flowering, 3-in. pots, $2.50 per 100.

Cash with order.

WM. J. CHINNICK

TRENTON, N. J.

Please mention the Exchange when writing.

GERANIUMS

Ready to ship.

Per 100

S. A. Nutt, strong, 4-in. plants in bud and bloom $6.00

Rooted Cuttings, May 1st delivery.

	100	1000
S. A. Nutt and La Favorite	$1.00	$10.00
Castellane	1.00	10.00
Ricard	1.20	11.00

Cash with order.

B. F. BARR & CO. Keystone Nurseries Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

Nutt, Buchner and others, 2-in. pots, $2.00 per 100; 3-in. pots, $3.00 per 100; 4-in. pots, $5.00 per 100.

FUCHSIAS, SALVIAS, HELIOTROPES, DOUBLE GIANT, SWEET ALYSSUM, DOUBLE WHITE FEVEREFEW, AGERATUM GURNEY, VINCA VARIEGATED, R. C., $1.00 per 100; 2-in. pots, $2.00 per 100.

ASTERS, 2-in. pots, $1.00 per 100.

VERBENAS, MARGUERITE CARNATIONS, SINGLE STAR PETUNIAS, 2-in. pots, $1.50 per 100.

COLEUS

Crimson Verschaffeltii, Golden Bedder and 15 others, R. C., 60c. per 100; $5.00 per 1000.

PANSY PLANTS

50c. and $1.00 per 100; $5.00 and $8.00 per 1000.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

GERANIUMS Nutt, Buchner, Ricard, Poitevine, Perkins, $10.00 per 1000, Strong, $1.50 per 100. Best bargains given. Write.

COLEUS Ver. and G. Bedder, extra strong and brightest Fancy, $5.00 per 1000. Very strong branchy from soil, $1.00 per 100. Giant Leaved, most showy of all, 80c. per 100.

ALTERNANTHERA. Good soil plants; Red Rug 70c. per 100; Imp. P. Major, none brighter, $1.00 per 100.

ASTER Wonder, very large, on long stems, June and July. Strong Seedlings, 30c. per 100; transplanted plants, 40c. per 100. Cash.

DANIEL K. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

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The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

A Call for a Gladiolus Convention

Sometime ago I sent a personal appeal to the most prominent Gladioli enthusiasts in this country, for the purpose of ascertaining if a Gladiolus Society was really wanted. Replies received indicate clearly that a Gladiolus Society is not only wanted, but is absolutely necessary. I enclose with this letter extracts from replies received, which show the feeling of the American growers.

For the purpose of forming such a Society, I now call for the first formal meeting, to take place at Horticultural Hall, Boston, Mass., May 27, at 3 p.m. All those interested in the culture of the Gladioli are hereby invited to be present at this meeting, and to help in the formation of what, no doubt, will become one of the most influential societies in America.

Your readers are kindly requested to suggest a suitable name for this Society, and such suggestions should be addressed to MAURICE FULD, Sec. pro tem.

Boston, Mass., April 23, 1910.

Mr. Fuld encloses copies of letters from the following growers and specialists, nearly all of whom express themselves unqualifiedly in favor of and considerably interested in the proposed organization:

Umpleby, John H., Lake View, N. Y.
Lewis, E. B., South Easton, Mass.
Brown, E. Stanley, East Moriches, N. Y.
Crawford, M., Cuyahoga Falls, O.
Kunderd, A. E., Ft. Wayne, Ind.
Stevens, F. H., Saginaw, Mich.
Miller, E. S., Wading River, N. Y.
Barnes, E. T., Spencer, Ind.
Larrowe, J., Cohocton, N. Y.
Cowee, Arthur, Berlin, N. Y.
Pryal, W. A., Oakland, Cal.
Austin, Mrs. A. H., Mayland, O.
Hendrickson, I. S., Mgr. J. L. Childs, Floral Park, N. Y.
Massey, W. F., Salisbury, Md.
Leatherman, D. W. & Son, Anderson, Ind.
King, Louisa, Alma, Mich.
Macomber, E. R., Woodfords, Me.

The prevailing ideas among the writers find expression in the following statements: If a sufficient number of people enter into the organization this should be the means whereby many things could be straightened out that need rectification. * * * Wonderful progress has been made in the popularizing of this flower during the past ten years, and especially during the last five years, and it is certainly gaining prestige and becoming more popular as the new and artistic varieties are being cultivated and placed on the market. * * * The time has come when something must be done by the trade to avoid the naming of so many inferior varieties as well as giving different names to the same variety as is being done at the present time. * * * For the best interests of all growers let us have a Gladioli society just as soon as possible."

English Horticultural Notes

The International Exhibition It has been decided to hold an international horticultural exhibition in London in the months of May and June, 1912. There has been no such international meeting in London since 1866, when an exhibition resulted in great financial success, though the first few days' results gave rise to great anxiety on this score. That exhibition was mainly supported by British nurserymen, and there were comparatively few foreign firms figuring in the enterprise. Another "International" was proposed for the year 1879, but owing to a big show falling due at Amsterdam, and the recurrence of the Great Quinquennial Exhibition, the London show never materialized. The one now projected is likely to cost between £12,000 and £15,000, and will be a great affair. We hope to see America well represented. No more particulars can be given up to the present.

The Florists' Exchange in England Readers and supporters of the EXCHANGE may like to know that their favorite trade organ turns up everywhere in the horticultural circles over here. I see Mr. Engelmann quoting my remarks on his new Carnation Carola in one of his advertisements, and all the "live" firms get a copy regularly. This is good for them, for the paper, and for the paper's advertisers. Certainly the proprietary of the EXCHANGE deserves the assistance of both American and English florists and nurserymen for the consistent encouragement it gives to international affairs. Its "international exhibitions" in the form of news and pictures come oftener than the one I have just made note of.

American Florists Criticised I shall use no stronger phrase or headline than this; but shall leave my readers to say what they like, after me. I have before me a splendidly-written essay (which I also heard read by the author some months ago) on the subject of "Renaissance Gardens." It is by Thos. H. Mawson, garden designer, who is quite the leading exponent of his particular phase of the craft in England, who also laid out the gardens around the palace of the Peace Congress at the Hague, Holland, and whose work is also well known in the United States. Mr. Mawson, in the course of his discussion of the merits of the Renaissance gardens, and of matters of taste generally, quotes from a letter from America. He says: "I read a letter the other day which shows to what a pitch vulgarity descends when men follow their own novelties undisciplined, and what silly lengths it leads them to; and it serves to show that the rule of order and discipline always come out at the top. After all, our extravagancies and novelties produce in the end the longing desire for Renaissance order and sanity."

These are his own comments; but the following is the part that pours contempt upon the florists. Mr. Mawson quotes it thus: "Here in America is the home of the grotesque as well as of the picturesque. Aristocracy and democracy jostle each other, and aristocracy gets the worst of it. We had a boiler explosion here lately, and among the emblems sent to the victims' funeral was a floral clock set for the hour of the explosion; a theatrical treasurer's club sent to a funeral a floral pass, 'Admit one.' Gates ajar, open windows with plaster doves thereon, and tawdry wire frames showing through pillars of red and yellow flowers, all tend to vulgarize funerals and to inspire the words, 'No flowers.' When the city council is inaugurated, then are the florists busy. Gigantic keys, Indian clubs, desks, chairs—all are in hand; the natural flowers distorted to suit perverted tastes. *We need a Renaissance in art to strike the florists here, and strike them hard.*"

It is not for me to say whether these criticisms, or strictures rather, are necessary—I have my own opinion; but at any rate, there they are.

A New Book Though new books on various sections of gardening are appearing almost every week, the one I wish to notice is that famous work, "A History of Gardening in England." This is the third edition, and the price is very reasonable indeed —12s. (under $3). The authoress has had the best of opportunities for getting at ancient English manuscripts, and has done her work with great pains. The later chapters on nineteenth century gardening and on the gardening development of the last twenty years, are valuable and interesting to every one.

A Great Lily Nursery When Mr. W. H. Page of Tangley Nurseries, Hampton, near London (who is another reader of the EXCHANGE) told me that he was a specialist in Lilium longiflorum, I felt a bit surprised, but a short chat with him soon proved that there is much to master in the details of what constitutes the best possible type of Lily bulb. He and his four brothers have a huge acreage of glass at Hampton and grow mainly Liliums, Roses, Carnations and Spring bulbs (Daffodils). They buy all the new American novelties in Carnations, and have the best in stock. They have given the bench system of Carnation culture a fair trial, but, in common with our best growers for Covent Garden, they are going back to pots. In England, our Winter light is too dull, and our conditions so moist as to require a different system to that which suits America. Mr. Page and his brothers buy great quantities of Lilium longiflorum (Harrisii) from Japan each season, and from their 25 years' experience they now know just what to buy and where it can be procured. Indeed, they keep their Japanese agents employed farming their special strain of bulbs. The result of this great care is that their flowers are, perhaps, the finest that go to London, and even some of the nurserymen are supplied at second hand from the Messrs. Page Bros. The bulbs are grown on slowly and as cool as the conditions allow, three bulbs in an 8-in. pot. They are never crowded in growth, and are kept absolutely free from fly. The paths and houses, I noticed, were kept well damped even in March, and a nice buoyant atmosphere prevailed. A little liquid manure is given toward the end, when the buds are swelling. The largest consignment at any one time, sent by Mr. W. H. Page himself, from his own nursery (each brother's business is distinct, though side by side), was 1050 bunches, 12 stems in a bunch, being a total of 12,600 Lilium stems at one cutting! I should like to know how that compares with some of your best records either in New York or Chicago. This cut was for Christmas, last year. At the time of my visit, 30,000 potfuls were under way for the Easter season. Mr. Page grows his own Narcissi bulbs for forcing, but the prices have ruled very low for forced Daffodils in recent years, owing to the large importations of flowers from France, the Channel Islands, and Scilly (off Cornwall). Nevertheless, the number of N. ornatus, the fine form of Pheasant's-eye, which he forced in the season of 1908, was 660,000; but the number varies. In 1909 it was down to 220,000, with a quarter of a million Golden Spurs.

Mr. Page has a new Geranium named His Majesty, and if Mr. Richard Vincent of White Marsh has his eyes open, he will at once look after this.

J. HARRISON DICK.

Books Received

THE GOLDFISH AND ITS SYSTEMATIC CULTURE. By Hugo Mulertt Octavo, cloth, 150 pages.

This is a new and revised issue of a well-known work, the author having been a national figure in this particular line for the past forty years. The book contains a colored frontispiece, a portrait of the author, twelve plates on water color paper showing outline drawings of goldfish ready for painting in colors, and many halftone illustrations from nature; also diagrams of aquariums, enemies of the goldfish and other designs necessary to illustrate the text.

The author claims as his own the originality of keeping and breeding of goldfish described in this work, which has been translated into four languages, and is today used all over the civilized world as the acknowledged authority on the subject of which it treats. Repeated revises of this book have made it, we venture to say, as complete a work as can possibly be written, and therefore, the subject matters covers practically everything which can be made known in regard to the care, handling and propagating of these pets of the household and of the ponds.

Part 1 contains five chapters on the "Goldfish and its Types," including their History; Part 2 is devoted to "The Aquarium, its Construction and Care"; Part 3 deals with "Ponds and their Construction," and includes full details in regard to the Propagating Bed and the Rearing, Storage and Winter Ponds; Part 4 has to do with "The Propagation and Care of the Goldfish," giving this information to the most minute details; Part 5 treats on the "Enemies and Diseases of the Goldfish," Requisites, Tools, etc. This is followed by an appendix which is additional to all previous editions, and describes the proper way of handing food to fish, with a chapter on plants that "need watching," culminating with sundry directions pertaining to information not given in the body of the book.

Mailed, postpaid, to any address on receipt of $2.00. Orders filled by The Florists' Exchange.

GARDEN GUIDE: A Practical Handbook for all Garden Lovers. By Walter P. Wright. Publishers, Headley Bros., Bishopsgate st. Without, London, E. C. 12 mo., cloth, 160 pages, illustrated with diagrams and a few leading halftones.

This is a remarkably interesting book by a well-known horticulturist, and whilst its cultural directions are intended for the climate of Great Britain, there is so much additional information in its contents as to make the book well worthy of recommendation by florists and seedsmen on this side to their amateur customers. The author states that in the present work he has set himself the task of showing in the clearest language that can be chosen, and with the plainest illustrations which can be prepared, how to start gardening economically and how to conduct it with efficiency. "I have stated the cost of everything, from a hoe to a greenhouse. And I have used tables freely so that the amateur can get at what he wants by the shortest of

cuts. And I have devoted paragraphs to the principal plants in alphabetical order."

The title is inclusive, and a summary of the contents would but prove that fact.

The book is interesting, primarily because the amateur will find the desired information with very little trouble, the work being "boiled down" materially so as to make this possible. Persons acquainted with the process of condensing information will understand fully the difficulty of Mr. Wright's work in this direction and appreciate the results he has accomplished.

Particularly valuable chapters are those on How to Plan Gardens, Border Flowers with lists and descriptions, Flower Beds with diagrams and descriptions of the plants best suited for the purpose. A chapter on Annuals and Biennials is exceedingly condensed, but informatively valuable; the chapter covering the Lawn or Grass Plot is well treated and deals with making same from turves as well as from seed. Plants to be Grown under Glass, Insects and Diseases and Fruit and Vegetable Culture are each given their deserved attention.

Naturally, a book of this same character, written expressly for climatic conditions on this side, and as well, giving the prices of labor and implements, would be more valuable than the one we are speaking of, but as this latter is not available in the same condensed form and low cost, we heartily endorse Mr. Wright's book. Copies can be had from this office, price $1.00, postpaid.

Editor The Florists' Exchange:

We notice an article in your edition of April 23, from W. F. Massey, condemning the idea of treating trees with capsules, and branding the idea as "nonsense." As we are the only ones and the first ones to put forth this idea we feel that this is a blow at our business and we are surprised that you would publish it without some inquiry or reference to some one who knew.

We are not interested in what Mr. Massey may think of our system of fertilization, but we do want to put ourselves right with the readers of The Florists' Exchange, and we wish to say, for your own information, that we have evolved a new idea in the matter of treating plants and trees. If we were all like Mr. Massey the world would never have made a step forward, and our invention, like all others, has its unbelievers and its enemies, but when these statements come from narrow and foolish persons we do not believe it is the desire of The Florists' Exchange to publish anything to the detriment of any legitimate business.

Our system is the result of five years of study and experiment along a new line or new idea in the matter of plant food. We combine the elements of plant food with an anti-toxin in a base which holds them together until all the plant food is taken up. We do not claim to kill the scale; what we do claim is set forth in our catalog in the following words: "Experiments have shown that trees with the San José scale and yellows have been materially benefited, and by the additional use of an insecticide spraying compound at the earliest and strongest flow of sap, in March and April, the disease can be controlled."

If Mr. Massey was really interested, instead of prejudiced, we could very soon convince him that the world is making steps forward in the fertilizer business as well as in other lines. We enclose herewith a catalog in the closing pages of which you will find some recommendations from practical men.

You are at liberty to publish this letter and we hope you will publish enough of it to set us right before your readers, as we believe the article above referred to will damage our business. We will be glad to furnish you any further information or evidence that we are able to accomplish all we claim.

THE PLANT AND LAND FOOD CO.,
J. H. MILLER, Sec. & Treas.

Baltimore, Md., April 26, 1910.

[Prof. Massey, in his statement (page 741) to which our correspondent takes objection, was, no doubt, misled to some extent through the original account of this new plant food, printed on page 711, which read: "The food is also said to contain an anti-toxin which will remove the scale and fungus growth on plants and trees," etc. Mr. Miller's explanation herewith materially elucidates that erroneous qualification. Readers of The Florists' Exchange are all intensely interested in whatever fertilizer preparations are found to be superior in their results, and we have no doubt that this particular one will be tried out when it is generally made known.

The Florists' Exchange stands for fair play and a free expression of opinion at all times; its readers look to it for the truth—and generally get it. We note among the recommendations for this new plant food a warm endorsement for it from a well-known florist and gardener, C. L. Seybold, Supt. of Carroll Park, Baltimore, whose opinion is entitled to respect.—ED.]

Fire at the A. H. Hews Factory

On Saturday night, April 23, at 10 p.m., a fire occurred at the A. H. Hews Company's flower pot factory, North Cambridge, Mass., which if it had not been handled quickly, would have proved a very serious one. A carload of hay which was standing on the railway near the factory was set on fire by some one; in a few minutes there was an immense blaze and the flames soon ignited the storage house which was close by. The Cambridge firemen responded quickly and the damage done to the building and the goods it contains was only slight.

They have been very busy at the pottery this year and, now that the Spring season is closing on large deliveries, especially good business is reported, far exceeding previous seasons.

We are pleased to see that E. L. Pierce, of this company, has improved very much in health and that his Southern trip has given him renewed strength, and to see him back at business again. R. C.

Anemone Japonica Alice

From Bindekunst.

Anemone Japonica Alice

This novelty is a remarkable improvement over the well-known variety Koenigin Charlotte (Queen Charlotte). The color of the petals is a shimmering lilac, while the center is a fresh carmine pink, surrounded by the stamens in a thick golden yellow circle. This generally pleasing effect is heightened by the silvery band bordering the petals. The flowers rise well above the leaves and appear in great profusion. Altogether Anemone Alice seems eminently suited to the purposes of the florist for border as well as for decorative work. It was originated by the well-known firm of Wilhelm Pfitzer of Stuttgart, Germany.—Text and illustration from *Bindekunst.*

Resolutions on the Death of Edward Hatch

Adopted by the Gardeners and Florists' Club of Boston

WHEREAS, The Supreme Ruler of this universe has seen fit in His infinite wisdom to call to his eternal rest our well beloved friend and brother, Edward Hatch; and

WHEREAS, Edward Hatch was a man worthy of our highest esteem because of his nobility of character, his blameless life, his great heart, his ever-ready sympathy and charity to the poor and needy, therefore

BE IT RESOLVED, That we, The Gardeners and Florists' Club of Boston, while bowing reverently to God's will, do so with hearts full of sorrow at the loss we have sustained in the death of a friend so dear, one who stood ever ready to help with wise advice and unselfish aid the members of this organization which he loved so well and served so faithfully as treasurer for many years.

Edward Hatch spoke few criticisms of those with whom he disagreed; he said no evil things of others; he was remarkably free from resentfulness; his noblest virtue was his willingness to forgive and his ability to forget; and no opportunity was ever lost by him to give a kindly word of praise for anyone he liked.

His genial presence we shall all miss, but his memory will be ever with us, and his name will always shine as a bright star in the list of our departed members. Our Club will not forget his spontaneous generosity as displayed on very many occasions. No man ever won and retained so thoroughly the affection of our members as did Edward Hatch. He was the idol of those who knew him best.

RESOLVED, That these resolutions be inscribed in the records of the Gardeners and Florists' Club of Boston and that a copy thereof be sent to his bereaved family.

Caution to Subscribers

Recent advices reach us that a fraud is again on the road, this time operating in south-eastern Pennsylvania, endeavoring to collect subscriptions for the trade press. We beg to advise Florists' Exchange subscribers, repeating what we have said over and over again, that any representative approaching them from this paper will always be able to show full credentials, and that no money should be paid on any account to unknown men presenting themselves as agents of The Florists' Exchange unless they produce such credentials.

Obituary

John Brantford Alcott

John Brantford Alcott, widely known as a grass expert, died at his home in South Manchester, Conn., April 23, of dropsy. He was born in Manchester in 1830. He traveled extensively in this country and abroad and had made a special study of Grasses, having in his garden, it is said, species of Grass from almost every quarter of the globe. He laid out the Grass gardens of the Smithsonian Institute, Washington.

James Bolling

James Bolling, florist, of 884 Montgomery st., Jersey City, N. J., died at his home on Saturday, April 23, of infirmities incident to old age, after an illness of one week. The deceased was born in Kent, England, 85 years ago, and early in life learned the florists' business. He had resided in Jersey City, where he conducted his business, for 40 years, and was highly respected by all who knew him. His wife died about two years ago, since which time his health gradually failed. He is survived by a son, Chas. J. Bolling and two daughters, Emma M., a school teacher, and Mary E. Bolling.

George W. Williams

George Washington Williams, treasurer of the W. E. Barrett Co., seed and agricultural implement dealers, Providence, R. I., died at his home, 28 Sycamore st., in that city on April 24, after a three weeks' illness due to heart trouble.

Mr. Williams was 74 years of age and had lived all his life in the city of Providence or its vicinity. He was a descendant of the founder of the city, Roger Williams. After a public school education supplemented with collegiate and business courses at prominent institutions he, when 18 years of age, entered the seed and agricultural implement house of Burdick & Barrett which had been established in 1848, and five years afterward he bought Mr. Burdick's interest and the firm name became W. E. Barrett & Co. After Mr. Barrett's death in 1891 the concern was incorporated as the W. E. Barrett Co., with Mr. Williams as treasurer and his son, George F. Williams, secretary.

The deceased was prominently connected with business and social affairs in his city, and at the time of his death was president of the Rhode Island Poultry Association, treasurer of the Prudence Land Company, vice-president of the Warwick Club and the Rhode Island Business Men's Association, member of the Providence Board of Trade, Commercial Club, West Side Club, Squantum Club, Rhode Island Yacht Club, Order of Founders and Patriots of America, and of the following Masonic bodies: What Cheer Lodge, Calvary Commandery, Palestine Temple of the Mystic Shrine, and of the Scottish Rite bodies to the 32d degree.

He was twice married, his first wife dying in 1876 and the second in 1895. He is survived by five sons, George F., Leon J., Edward B., Clinton N., and Ralph E. Williams, and one brother, Francisco C. Williams of Pawtucket.

The funeral was held on Tuesday afternoon, April 26, and was largely attended by friends and business associates. The floral tributes were beautiful and numerous.

Greenhouse Construction and Heating

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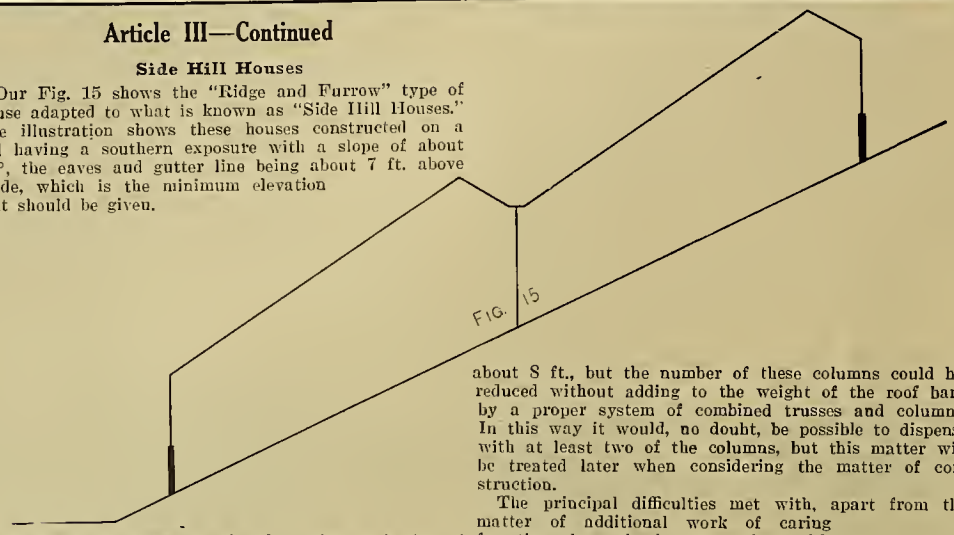
By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article III—Continued

Side Hill Houses

Our Fig. 15 shows the "Ridge and Furrow" type of house adapted to what is known as "Side Hill Houses." The illustration shows these houses constructed on a hill having a southern exposure with a slope of about 25°, the eaves and gutter line being about 7 ft. above grade, which is the minimum elevation that should be given.



Ventilators are generally placed on the south side of the ridge only, unless in the case where the houses are made of considerable width, when ventilators are placed on both sides of the ridge.

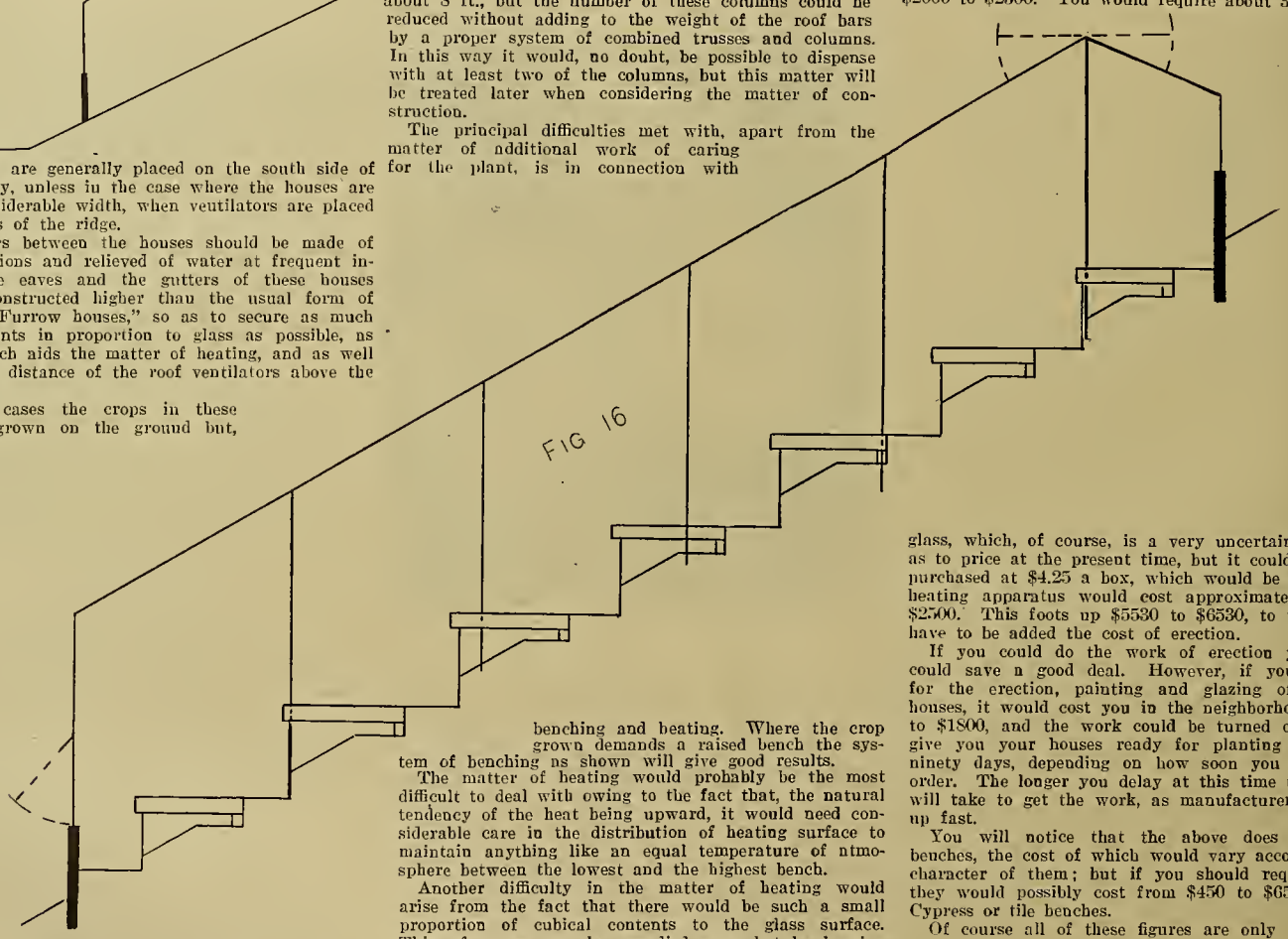
The gutters between the houses should be made of small dimensions and relieved of water at frequent intervals. The eaves and the gutters of these houses should be constructed higher than the usual form of "Ridge and Furrow houses," so as to secure as much cubical contents in proportion to glass as possible, as this very much aids the matter of heating, and as well increases the distance of the roof ventilators above the plants.

In many cases the crops in these houses are grown on the ground but, when beds are necessary, they are generally built so that the tops of same are level, but stepped so as to conform to the grade. This gives practically the same result as the ¾ span house. The plan and general arrangement for a range of this character would be similar to Fig. 5, shown in previous article.

Fig. 16 shows another form of "Side Hill Houses" which is a little unusual but is particularly adapted to a steep grade of about 7 in. to the foot. As before mentioned, it is rather an unfortunate condition to have to contend with such steep grades, but where the only land available is of this class, with a southern exposure, excellent results can be obtained from a growing standpoint with a house of this character.

The house shown in the illustration measures about 34½ ft. from the south side to the center of ridge on a level line. The roof surface is, therefore, equivalent to a little more than one-half of a house 69 ft. wide, built on the level ground. The vertical supports of the roof are shown so that the span of the roof bars would be about 8 ft., but the number of these columns could be reduced without adding to the weight of the roof bars by a proper system of combined trusses and columns. In this way it would, no doubt, be possible to dispense with at least two of the columns, but this matter will be treated later when considering the matter of construction.

The principal difficulties met with, apart from the matter of additional work of caring for the plant, is in connection with benching and heating. Where the crop grown demands a raised bench the system of benching as shown will give good results.



The matter of heating would probably be the most difficult to deal with owing to the fact that, the natural tendency of the heat being upward, it would need considerable care in the distribution of heating surface to maintain anything like an equal temperature of atmosphere between the lowest and the highest bench.

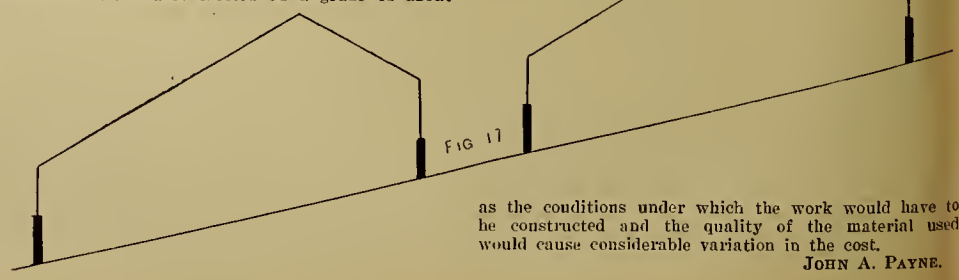
Another difficulty in the matter of heating would arise from the fact that there would be such a small proportion of cubical contents to the glass surface. This, of course, can be remedied somewhat by keeping the roof from 10 ft. to 12 ft. above the grade.

Where it is desired to erect separate houses on a side hill location if the grade of the hill is not too steep it is possible to erect very good growing houses on the lines shown in Fig. 17.

This shows two houses erected on a grade of about 3 in. to the foot and set far enough apart so that the shadow from the ridge of the south house, with the sun at an altitude of about 25°, will strike on the sill of the north house; both the south and the north walls are of the same height, the result being that the house is almost a cross between what is known as the "¾ Span House" and the "Shadeless Ridge." In such a location it is possible to build separate houses with much less waste of space between them than in the case of the houses built on the level, as they can be placed much closer together without the south house shading the north house. With specially high side walls such a house could be used to good advantage for growing American Beauty Roses.

In the foregoing we have considered almost every form of greenhouse with very little reference as to the size, but as this latter phase is a most important matter, and as an intelligent decision should be reached in this connection before construction is started, we will next consider the question of the size of houses.

(To be continued)



GREENHOUSE CONSTRUCTION and HEATING INQUIRY DEPARTMENT

I have a place where I could erect two greenhouses, 30′ by 200′. Could you give me any idea of the cost of such houses, which are to be suitable for Lettuce, Cucumbers, Tomatoes, etc?—W. T. R., Long Island.

You could purchase all of the wood and iron material for two 30 ft. by 200 ft. iron frame houses for about $2000 to $2500. You would require about 360 boxes of glass, which, of course, is a very uncertain commodity as to price at the present time, but it could possibly be purchased at $4.25 a box, which would be $1530. The heating apparatus would cost approximately $2000 to $2500. This foots up $5530 to $6530, to which would have to be added the cost of erection.

If you could do the work of erection yourself you could save a good deal. However, if you contracted for the erection, painting and glazing of these two houses, it would cost you in the neighborhood of $1400 to $1800, and the work could be turned out so as to give you your houses ready for planting in sixty to ninety days, depending on how soon you placed your order. The longer you delay at this time the longer it will take to get the work, as manufacturers are filling up fast.

You will notice that the above does not include benches, the cost of which would vary according to the character of them; but if you should require benches they would possibly cost from $450 to $650 for pecky Cypress or tile benches.

Of course all of these figures are only approximate, as the conditions under which the work would have to be constructed and the quality of the material used would cause considerable variation in the cost.

JOHN A. PAYNE.

Sixty Years of Retrospect
With Notes by the Way

By Stephen Taplin, Nurseryman and Florist

Besides the blooming plants required to keep the conservatory and plant houses gay at all seasons, it took no end of space to keep up a supply for the rooms in the house, while the family was at home. There were all kinds of dishes, vases, stands, boxes, etc., in china, glass, marble, silver and other material, for which plants must be grown in certain sized pots, from 3 in. up to any size. Many plants which we used for that purpose were only good for two or three days, then they would have to be changed for fresh ones. In Winter and early Spring bulb stock was very useful, small Ericas and Epacris, Mignonette, Heliotrope and Violets were always in demand, as well as Gloxinias, Gesnerias, and Achimenes, both for rooms and plant houses; and so many other things that in some cases I have forgotten what they are if by chance I hear a name. On the terraces in front of the windows there was large marble vases, boxes and stands. These would be filled in the Fall with specially grown green and variegated shrubs, which would be replaced as Spring advanced with small fruit and flowering shrubs brought forward under glass, and which were often ruined before the week was out by frost. The next filling would be Rhododendrons, Kalmia and hardy Azaleas, all of which had been brought forward in intermediate houses. These would finish up the season till the family left for London.

At the end of the London season the family would go to Dunraven Castle, Scotland, for a few weeks. Fruit, flowers and vegetables were sent to London every day while they were there.

I have not gone into the fruit forcing department, which was on an equally extensive scale with the plant department. I was not engaged in any part of the forcing. The only opportunity I had of seeing much of that was on Sunday. Then, as my work had to be finished by 10 a.m., I usually finished up the day with some of the fruit men, as they would be kept busy till 4 or 5 o'clock. In a general way, the young men were nice sociable fellows. Drunkenness was unknown among them. If a new one came who considered himself of some importance he would find in a short time that some one else knew as much as he did, and the conceit was soon taken out of him.

About the time my second year was up the gardener came to me and told me he would put the whole of the plants in my charge, as the man who was then in charge of the soft wood plants was not a success, having no idea of using men to advantage, and his work was always behind. I thanked him for his confidence but declined to take the responsibility, as I knew the material I should get as assistants. He did not like my refusal and told me he had put me forward faster than any man on the place; but I wanted a change and outside work.

At the end of the month I left Trentham, with a letter to Veitch of Chelsea, London, hoping to be employed in the Orchid department. I wanted to get into the outdoor specimen grounds in one of their branches just outside of London, but I found on going to Chelsea there was no chance of that till later in the season.

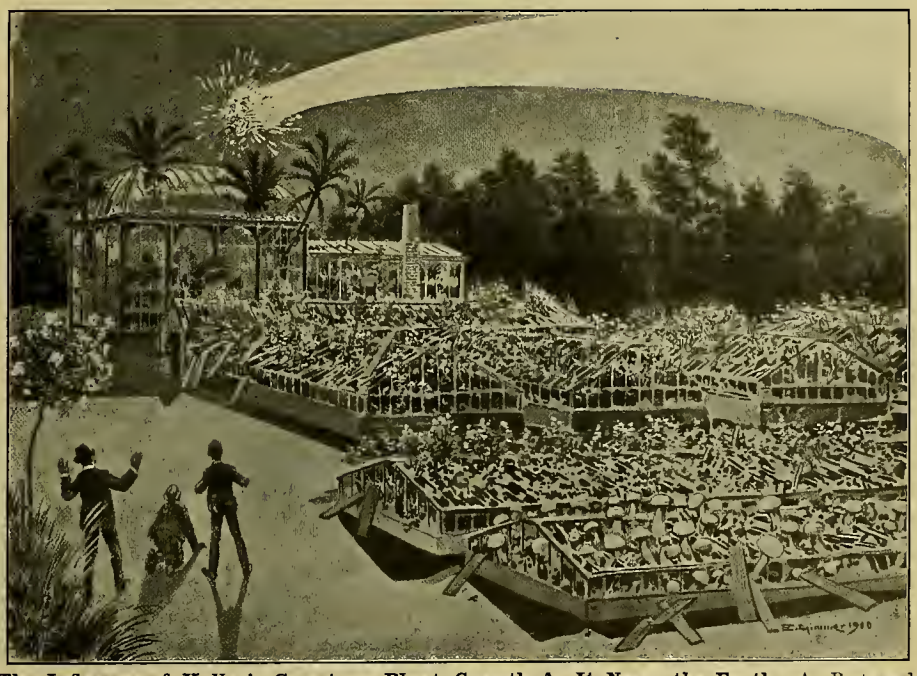
The next day I went to see some friends at the place I left before going to Trentham. They were holding a local show the following day, a cottagers' show, and about all the gardeners for ten miles around would make an exhibit to add to the attraction. The show consisted of plants, cut flowers, fruit of all kinds, both from under glass and open ground, vegetables, and all kinds of floral designs. The exhibits of the cottagers, amateurs and professionals were in separate classes. There was as much excitement among the cottagers over the first prize for a collection of their products as there would be among racing men over the winner of the Derby. A country show was the place to see the big Gooseberries and other monstrosities which are often read about and not credited. I do not know of anything promoting as much interest, fun and amusement as could be found at a local show, when it was conducted as it was at that time. In some cases it was almost dangerous to judge the cottagers' collections, as they all thought they were a few points ahead of the others. One old gardener on that committee said he knew I could fight through it all right, so I took charge of the class covering those collections. As three judges were appointed for each class we came out all right; we had neither fight nor hard words. We not only got through our class in good time but helped out with two other classes that were behind, which enabled all the judging to be finished by noon when the gates were opened to the public. Judges were not supposed to disband till 2 p.m., in case of any dispute that could be explained away, so we were conducted to a temporary office to turn in our reports and sample liquid refreshments till 3 p.m., when dinner was prepared for us and our responsibility was over.

Among the gardeners on one of the committees was a stranger to me. He was in need of a foreman who could take charge of houses, assist in planting, laying out of grounds, etc. I was recommended to him as the man he wanted, and the next day I visited and looked over the place, and was engaged at once, he accepting a testimonial to my moral character, etc., which proved quite satisfactory. The rooms I was to live in were not quite ready and there was no suitable place for me to stop at near enough, so I put in about ten days visiting different gardens of note, such places as I could take in without paying out much in traveling expenses, as funds were very low and I had no income at that time. I walked one trip of about 40 miles with three light lunches on the road, and felt ready for a good supper at the end of the journey, about 8 p.m. I stayed there till noon the next day and saw all of interest at that place. Then I started on a 16-mile trip, ten miles by rail, and finishing the distance walking, reaching the end of my journey about 7 p.m., again ready for supper, which was all ready. That was Saturday, so I put in a good long day on Sunday sightseeing and left at 5 a.m. Monday. I then started on a 60-mile trip, a 10-mile walk and 50 miles by rail. That was in South Wales. I stayed at my destination two days and saw a lot of mountain side planting of forest trees. The second morning I left there at 4 a.m., walked 5 miles, then went by rail to Chester, to Shrewsbury and to Albrighton, then had five miles to walk. I reported for duty at 6 a.m. the next day.

That ended my vacation, the first and last I ever took. I saw lots of interesting things, had lots of amusement and some fun, but no curious adventures worthy of record. I saw many well-managed places, but not one where in some one or more important matter there had not been a dead failure, generally for want of experience in what might be called trifling points.

The place where I was then starting in as general foreman covered about eight acres inside the walls, all there was left of the old place. The fruit and plant houses were all inside the walls, and the flower garden and pleasure grounds some distance from the walled garden. All the fruit trees on walls and borders were worn out and had to be replaced with new trees. New Grape and Peach houses had to be planted, in fact it took about two years to replant everything. They had one house of Pines started and two houses of Grapes planted. The other houses were furnished or planted as fast as they were ready. Among other improvements on the estate was a new gas plant, just outside of the walled garden, for furnishing light for the mansion, garden and farm. When I saw it I spoke of it as being dangerous so near the plant houses. I was assured that all sewers and drains were so perfect that there was no danger of damage to anything. There was one house just finished and filled with assorted greenhouse plants. Three days later I found the leaves dropping from the hard-wooded plants, the blame for which was laid to my treatment, neglect in watering, shading, etc. It was not a bright prospect for me at the commencement, but as I had so recently been through the gas mill I knew it was gas all right, although to convince others I was right meant trouble. In the first place, I found out from the manager of the gas plant the time and arrangements for cleaning out retorts, replacing purifying materials, etc., and all particulars as to the working of the plant, particularly of the night shift, as I occasionally detected an odor of gas in the house at night, although I kept a slight ventilation at all times. After watching a few nights I found the gas came in between midnight and 3 a.m. It then took me three nights to find out how the gas got in and the cause of it at that particular time, with plenty of ventilation on. The third day I had everything taken out and the house closed up. Then the gardener and several others came to investigate and found gas enough to choke them. The next morning the Earl and all the heads of departments came to investigate. I was then prepared to explain everything in detail, which caused some hard feelings, but my statement was so convincing that everything I suggested to them was ordered to be carried out and there was no further trouble with gas. That was the end of trouble No. 1, and everything went on as smoothly as is usual at a private place, with plenty of work and plenty of experience in the planting and care of fruit of all kinds, both indoors and out.

(To be continued)



The Influence of Halley's Comet on Plant Growth As It Nears the Earth.—As Portrayed by Moeller's Deutsch Gaertner-Zeitung

New Plants Seen in Boston

On Saturday, April 23, there was exhibited at Horticultural Hall, Boston, by R. & J. Farquhar & Co. a new species of Clematis, from China. The seed from which the plant was raised was collected by E. H. Wilson, the plant collector for the Harvard Arnold Arboretum. If this plant proves thoroughly hardy it will be a great acquisition. Mr. Farquhar says that he grew plants of this Clematis out of doors and left them out all of last Winter, and they retained their foliage and look all right at the present time.

It is a climbing plant, with dark green, leathery, trifoliate leaves. When the flowers are in bud they are of a pink color and when they open they are pure white, 3½ in. across. They are in axillary clusters of about four flowers in a cluster. The pure white flowers are exceedingly fragrant and would remind one of the fragrance of Stephanotis flowers. Even if the plant does not prove hardy it will make a good pot plant for florists' use, as if the plants only bore half a dozen flowers they would be enough to perfume a whole room.

This species of Clematis is closely related to the one Veitch of London is sending out under the name Clematis Æmandii, which was collected by Mr. Wilson. The Veitch plant has flowers 2 in. across, and in their description there is no word about the flowers being fragrant. Awarded first-class certificate of merit.

Another of Mr. Wilson's new plants was exhibited by Walter Hunnewell of Wellesley. This was a new Rhododendron (Azalea) Indicum, closely related to the variety Kæmpferi, and much resembling it in the color of its flowers. The seed of this plant was collected at an elevation of 5000 ft. and it is thought, the newcomer should prove hardy here. The committee awarded it honorable mention.

Carnation Canary Bird

Originated by Henry Schrade, Saratoga Springs, N. Y. See description, page 368, Feb. 26, 1910.

Among the Growers

Queen City Floral Co., Manchester, N. H.

The Queen City Floral Co., Manchester, N. H., the greenhouse plant of which was formerly the property of A. G. Hood but is now owned by the S. H. Mead Co., is a progressive concern, and the establishment is the largest in Manchester and vicinity. The greenhouses embrace 40,000 sq. ft. of glass, and the equipment is modern in every way. The location is easily accessible, being on the Lake line of the electric road. A comfortably appointed waiting room, from the bay window of which the approach of cars may be observed in ample time to catch them, is a feature of the establishment.

A 340 ft. house is devoted entirely to the cultivation of Carnations, and contains about 14,000 plants, covering some twenty varieties, among them Rose Pink Enchantress, Winsor, White Perfection and Harry Fenn. Among the newer varieties is Canary Bird, the handsome yellow introduced this year by Henry Schrade of Saratoga Springs, N. Y.

Other houses are devoted to Roses, the stock including most of the standard varieties, and all looking well.

Other houses contain Sweet Peas, Stocks and Snapdragon, from which an excellent cut is being made.

Bedding plants are something of a specialty and a large stock has been brought along for this season's trade. Varieties suitable for window boxes are particularly prominent, and little would seem to be wanting in this direction.

Decorative plants such as Ferns, Ficus, etc., are also grown in quantity.

H. D. Darlington, Flushing, L. I., N. Y.

On a visit to the establishment of H. D. Darlington that gentleman was found among his Ericas and Acacias, his Boronias, and Epacris. Of the first two he grows some fifteen or more varieties of each.

His standard Acacias and Genistas were in excellent shape and will make fine specimens for holiday sales. System and good culture were noticeable throughout the establishment. A good-sized block of Otaheite Oranges, the plants now sweet with blooms, was observable.

Mr. Darlington grows large numbers of Geraniums also. Castellaine is grown instead of Nutt, having larger florets, a looser truss, and longer stem. Mrs. Lawrence, a salmon, is being tried out alongside of Beaute Poitevine for comparison. Other standard varieties, such as Buchner and Ricard are grown.

Louis Dupuy, Whitestone, L. I., N. Y.

If a visitor at Darlington's finds that he has tumbled into a sea of well-grown Ericas and Acacias at every stage of growth, when he gets to Louis Dupuy's greenhouses at Whitestone he finds it is only to fall into another ocean of Acacias and Ericas, and many other rare and interesting plants besides. Here is to be seen the Hydrangea Souvenir de Claine, a substitute for Otaksa, and Mr. Dupuy's two new introductions in Hydrangeas: Lorraine, a beautiful pink with immense florets; and Avalanche, a beautiful white, with much larger florets than Thomas Hogg; also an odd Japanese variety, lilaciana.

Among the Acacias, some forty varieties of which Mr. Dupuy grows, was podylasifolia, the national plant of New Zealand.

There are also to be seen here Crassula coccinea, not new, but an attractive pot plant; Gardenia radicans, the dwarf type of Gardenia; and a new Jasminum introduced by E. H. Wilson, the well-known collector.

A visit to uptodate establishments such as Dupuy's and Darlington's, not only entertains and instructs the visitor, but he comes away more deeply impressed than ever with the fact that plants such as he has seen can be grown by no haphazard methods, and that the growers are putting brains right into the work.

H. Dreyer, Woodside, L. I., N. Y.

A visit to this establishment discloses a house of Palms in excellent condition. Another house contains a stock of well budded Hydrangeas, which promise to be ready for Memorial Day; a bench of Lilies which will be in bloom for the school graduations in June; and another of Aucuba variegata, with nice clean foliage all ready for window box use. Especially attractive is a house of Dracæna Massangeana. In one house may be seen a new unnamed sport of the Boston Fern, a dwarf variety, resembling Scottii, some large specimens being very pleasing. The very large number of fronds on each plant presents a fine effect. Kessler Bros., of 50 West 28th st., New York, who purchased the entire stock from Emil Savoie, the originator, have disposed of one-half interest in the same to Dreyer, who is growing the Fern for them, and will later give it a name.

The Dreyer estate has sold its holding of eight and one-quarter acres, on a portion of which the greenhouses stand, to the Queens County Realty Co., for $120,000. The establishment will not be moved at present, as the Realty Co. has granted a lease on it for five years, dating from August next.

Queen City Floral Co., Manchester, N. H.

Mathew J. Leach & Sons, Providence, R. I.

When a young man, Mathew J. Leach learned the trade of a stone cutter and some years later took to farming. It was while engaged in this business, thirty-three years ago, that he took up the culture of Carnations as an experiment and a side-issue. He built a greenhouse 50x10, and sold the product to his friend and adviser, the late Robert Johnston of Providence. For some years Mr. Leach's product of Carnation blooms was very limited owing to small area of glass and lack of experience, consequently his cut was very limited, so much so that he did not go to market but once in two weeks, and then he carried his cut in a shoebox.

But through a natural liking for the business, and much hard work joined to practical experience, Mr. Leach has become one of the leading growers and retail florists of Eastern Massachusetts and Rhode Island.

I visited this enterprising establishment a few days ago and it proved very interesting to hear Mr. Leach relate how he began; the incident I remember very well. The establishment embraces over seventy-five acres. A square of three hundred feet is occupied by the greenhouses, lighting, heating and watering system, cold frames, hotbeds, cold storage and shipping, also office buildings.

The location is on the northeast border of Rhode Island, in the State of Massachusetts and town of Seekonk, on the banks of the beautiful Ten-Mile River, and only three miles from the most enterprising city of its size in New England, the city of Pawtucket, R. I., with a population of 50,000 people, and with the cities of Providence and Central Fall near by. The range consists of twelve greenhouses of various dimensions from 225x50 to 65x10.

The Violet houses are two in number; Princess of Wales is grown exclusively. The original house Mr. Leach started with has been extended to a length of 125 ft. and is used for a propagating house. Five houses are occupied principally by Carnations, and four are taken up with a line of house and decorative plants and bedding stock. One of these houses contains a bed of 500 Callas of which Mr. Leach is very proud, as he started this bed with one bulb given to him by an old friend, the Hon. George F. Wilson, some years ago.

Mr. Leach thinks that outside of his new unnamed seedling white Carnation, White Enchantress is the best white, with White Perfection next best. Mr. Leach's seedling is the finest white Carnation I ever saw and reminds one very much of a white Anemone Japonica; it is very fragrant, has a long calyx and stem and large petals and is a good keeper. It will be shown next season at the various exhibitions in commercial circles. The firm has several other unnamed seedlings and some decided novelties among them; one, a maroon in color, ought to prove a valuable variety.

The Queen does well here and is the most productive of the white varieties but smaller in size. Mrs. Thos. W. Lawson and Boston Market do remarkably well here. Victory is grown for red and is satisfactory. As it splits, Harry Fenn is to be discarded for their own unnamed maroon seedling. For pink is grown Pink Enchantress, Rose Pink Enchantress and Winsor; the latter does the best. The firm has discarded Queen Louise and Fair Maid for their new seedlings. All Carnations are grown on solid benches. The young stock looks very fine and consists of 50,000 plants.

Specializing is not the firm's aim, as they conduct a first-class wholesale and retail flower store at 15 Broad st., Pawtucket, under the management of Mr. Leach's oldest son, Herbert. They do an immense business here and all over the Blackstone Valley, as well as in so.-eastern Massachusetts. Consequently they grow a general line of all kinds of cut flowers (except Roses) that there is the most demand for around this section. Also a line of house plants for their trade, immense numbers of Pansies and all other bedding plants.

Mr. Leach, Sr., is a natural mechanic and has designed his houses, the setting of heating apparatus, the piping, ventilating system, mason work, etc. The plant is heated by steam and with the one pipe system, no returns, and gives very satisfactory results.

The water supply is abundant as the place is on the border of Ten-Mile River. The water is supplied by an elevated water tower of 20,000 gallon capacity, fifty feet high. They have recently installed a gasoline engine of twenty horsepower to assist in the pumping, as well as to run a dynamo which lights the entire plant and also the beautiful new home Mr. Leach has just completed. There is all kinds of good loam on the farm from a light sandy to a dark red so much sought by Rose growers. Mr. Leach's second son, Edward, fills the position of foreman, while his youngest son, Raymond, both members of the firm, is a bright young man with great mechanical abilities. He is just out of school, has patented a new gasoline engine, and is now studying wireless telegraphy; he is master mechanic here.

Mr. Leach, Sr., is 66 years of age and has served his town by holding every office in it except that of medical examiner. He enjoys himself at his business, also when he is away from it.

His business ability, popularity and capacity for work accounts for his prosperity. He is a member of the Society of American Florists and has taken part in all its conventions for a number of years; he is also an active member of the R. I. Florists and Gardeners' Club.

G. A. JOHNSTON.

Chinese Aster Sada Yakko

This novelty, which has been introduced by Dammaa & Co., Naples, Italy, is noteworthy for some very distinct characteristics. It belongs to the race of Chrysanthemum-flowered Chinese Asters. It grows to a height of about 27 ins. and bears 30 to 40 flowers, arranged in a fine pyramid, on erect stems. The flowers are of medium size, with somewhat tubular petals, which curve in slightly toward the center; the color is a lovely pinkish white, resembling in its freshness that of the Almond. Unlike many other flowers, the delicate color of the Sada Yakko does not fade in the sun; but perhaps the strongest recommendation of this variety is the durability of the single flowers and the duration of the period of blossoming, which is fully one month longer than that of other Chinese Asters. It is a fine flower for bouquets, on account of its long stems, and is especially fine for borders, massed in groups, or as showy single plants. The requirements for its free growth are two or three transplantings, a rich soil, air and sunlight.—*Revue Horticole.*

New Dahlia "Blaustrumpf" (Blue Stocking)

Two New German Dahlias

Among the novelties introduced by the Dahlia specialist, W. Knopf of Rossdorf-Genthin, Germany, are two that should become popular. A yellow variety, Poesie, is considered as one of the most perfect of its kind. The color at the base of the petals deepens into canary yellow which runs toward the middle into a delicate lilac pink, and then shades off again into a greenish chamois yellow at the tips. This unique lovely combination of colors makes Poesie especially suited for decorative purposes and where effects of light are sought for. The flowers are perfect in shape and of medium size. It is one of the earliest sorts to bloom, and most profuse. It grows to a height of somewhat over three feet and the flowers rise high above it on long, wiry stems.

Blaustrumpf (Blue Stocking), which will be introduced this coming May, is a dark violet blue, more pronounced in color than found in any other sort. The plant grows to a height of a little over three feet, and is a profuse bloomer, the flowers rising on stout stems freely above the leaves. Blaustrumpf, which is equally serviceable as a cut flower or for decorative purposes, may be regarded as one of the best noveltes in Dahlias as to color and the uses to which it may be put.—Moeller's.

New Dahlia "Poesie"

The American Carnation Society

Registration

Registrations of new Carnations by Hy. Eichholz, Waynesboro, Pa., have been made, as follows:

Princess Charming. Helen Boseler × Enchantress; salmon pink, 3 to 4 inches; very strong, vigorous grower; very free producer of first class flowers; keeping and shipping qualities excellent.

Christmas Cheer. Alvina × Victory; fiery scarlet, 2 to 3 inches; habit dwarf, though stems reach 2½ ft. after Christmas; extremely floriferous; will produce 100 or more blooms per plant in a season; especially fine for pot culture. Through an error this name is printed "Winter Cheer" in the judges' report in the annual report. A. F. J. BAUR, Secy.

Indianapolis, April 21.

Stray Notes from Abroad

BY T. A. WESTON

Engelmann's Carnation, Carola

Was looking fine at the R. H. S., and for size it will take a lot to beat. Five inches at present is the limit, but Mr. Engelmann's dream is of an eight-inch bloom. It will not be found in Carola, yet there is no knowing what Engelmann has up his sleeve. Mr. Page hints of a six-inch white, so United States growers must keep moving. Speaking of Carola, there is some doubt as to whether it will be a bread and butter sort. Its originator gives a shrug and remarks that it depends whether Carnations keep up to present prices. A very good dark crimson variety that finds its way into Covent Garden is Union Jack; it makes a fine companion to Britannia.

Phyllis, a New Baby Rambler Rose

There appears to be a steady influx of Baby Ramblers and a variety that will hit Baby Dorothy badly is Phyllis. As shown by H. B. May & Sons it is easily the best bright pink. That firm thinks a great deal of Phyllis.

New Auriculas

I don't know whether any of your millionaires go in for Auriculas, but if any of them were to cast their eyes upon James Douglas' beauties I fancy some of them would shout for a supply. Douglas had a choice lot on show recently, one of them (new) called Phyllis Douglas, gaining an award of merit. The individual flowers were about 1½ in. and in color a beautiful prune with a white eye. The show Auricula is not everyone's plant, but when done well it has an extraordinary attraction, particularly the green-edged sorts and the scarlets.

An International Exhibition in 1912

The proposed International Horticultural Exhibition is to become an accomplished fact. On April 5, a meeting was held at Westminster, Sir Trevor Lawrence in the chair, and it was decided to hold a show in May and June, 1912. A large and influential committee has been appointed, so it's now up to Americans to make preparations for bringing over all their greatest and best in Roses and Carnations. There will be no flies on this coming great show, for everyone who is anyone is going to work with a bang.

Failures in the "Puff" Family

Judging by things that have gone before I doubt whether California growers will have much to fear from the 'Frisco ladies. Over here we have had the Violet puff, the Potato puff, and the French garden puff. Each was going to put piles of money into the hands of people who liked to take the thing up, and many women calculated on making fortunes only to find that newspaper puffs are not always reliable.

New Rose Juliet

Paul & Sons of Waltham Cross have been showing a new Rose under the name of Juliet. It is one of those peculiar varieties which vary considerably in color. The flowers are full and large, freely produced and the foliage is good. The color on the inner side of the petals varies between deep shining cerise and bright pink, the reverse being deep buff yellow, which shows up strongly. As a garden Rose this variety ought to come out well, but as shown it seems inclined to come double centered.

New Ribes (Currant) Hybrids

As the result of twenty-three years of patient labor and experiment C. A. Stache, nurseryman in Klein-Tschansch near Breslau, Germany, has succeeded in growing an extraordinary new race of Ribes hybrids. He tells the story of his efforts in a recent number of Moeller's Deutsche Gaertner-Zeitung. After a few years of unsuccessful trials in planting various sorts of Ribes for the purpose of obtaining seedlings, that should produce seed, he began to cross-fertilize some Ribes seedlings, which he grafted in their second year on stout Ribes stems. Some of these yielded a very satisfactory crop as to quantity, although the individual berries were rather small; but the second generation was more satisfactory. During the last fifteen years he has tried and discarded many thousands of seedlings, until, at length, he is in a position to say that he has succeeded in growing Ribes for seed, and also a number of varieties with tasty fruit.

He has selected three varieties out of the thousands of seedlings comprising his assortment for which he has requested the certificate of merit of the Society of German Florists; these are Nos. 870, 1107 and 102; the first two have obtained the certificate applied for. No. 870 yields a very full crop, and the berries are especially large in size. They are coal black and resemble the Black Currant in taste though without the latter's (to many people) unpleasant by-flavor. The heavy clusters ripen evenly toward the middle of August. No. 1107 is very much like No. 870, but the fruit is brownish red, and somewhat more tart in taste. Both of these sorts are excellent for preparing fruit juices, on account of their deep color, and these juices may also be used for coloring other juices, wine, cordials, marmalade, etc. Fruit subjected to fermentation has produced an excellent wine.

Mr. Stache has divided his Ribes into three classes: Class I includes all the black and brown fruit, about 300 varieties. The fruit is very large, abundant, juicy, and in taste somewhat like the Black Currant; it ripens in August. Class II, includes the red and copper-colored fruit, about 200 varieties. The fruit is more aromatic,

A 2-year branch 1-year branches

New Currant Hybrids

pleasant, and somewhat sour in taste; it ripens later than Class I, toward the end of August. Class III includes the yellow fruit, about 250 varieties: The fruit is very abundant, though somewhat small; it ripens early or late, and is sweet or sour in taste, according to the variety. Some are very much like the Gooseberry in shape and taste. An important point in favor of this section, as a table fruit, is that they ripen after the ordinary Currants and Gooseberries are gone.

Moreover they are a valuable addition to nursery stock, says Mr. Stache, for even four-year seedlings put forth five or six slender shoots, that often grow nearly 7 ft. high, and make much less work than layers or cuttings, although the development is rather slow in the beginning, taking about four years. The stem is all that a stem should be, smooth, stout, and always ready for grafting; they may be used for this purpose even in the second year, and later they are valuable as seed bearers. The plant is furthermore a very ornamental one, with its mass of flowers, and later with its brilliant clusters of fruit showing amid the fresh green of the leaves.

Mr. Stache has named his new race Heerenbeeren (Gentlemen's Berries) intimating that men especially will like this new fruit raw, as soon as it is more widely known—but it is not quite clear why women and especially children should not likewise reach for those inviting clusters when they see them.

Three Cute Little Baltimore Florists

We present the picture of three little florists who toil in the soil of their father's greenhouses, August Eberhardt, N. Baltimore st. The three are Annie I. Marie, August Ernest and William Thomas. Mr. Eberhardt is a regular city market florist who has four stalls on the go and handles great quantities of cut flowers and bulbous stock; he reports a successful Easter business.

Three Cute Little Baltimore Florists

A Municipal Window Box Competition

The city of Berlin, Germany, will be gay with window boxes this Summer. The Society for the Improvement of Transient Travel has suggested the idea of a competition, and the preliminary work is being undertaken by the Society of Florists of Greater Berlin, with the financial aid of other business associations; 10,000 copies of a pamphlet will be distributed, urging the citizens to enter into the competition. They are advised how to make their displays as diversified as possible, and to suppress the obtrusive, though popular reds and pinks. While boxes planted with Pelargoniums Meteor and the pink peltatum will not be excluded from the competition, they will be relegated to the second place. A number of other suitable plants are given in the pamphlet. Prizes for the best displays will be distributed in the latter half of August.—*Der Handelsgaertner.*

Retail florists are invited to send us items of trade interest for publication on this page; clear photographs of good designs will also be appreciated. These latter should always be packed carefully between boards.

Mothers' Day, Sunday, May 8

As noted in our issue of April 23, the observance of Mothers' Day is, from all we can learn, becoming more general each year, and enterprising florists are recommended to place notices in their stores calling the attention of the public to the observance of the day and the reason therefor. As already noted, Mothers' Day is intended to commemorate the memory of the best mother that ever lived (one's own), and public tribute is paid through the wearing of a white Carnation.

Poor little Cupid and Psyche have been put in cold storage. It appears that the pair, graced with memories of a romance almost as pathetic as their own, were placed by a mother over her daughter's grave in Greenwood Cemetery. The trustees of that burying ground, in solemn conclave assembled, decided that the lovers of old Hellas were undesirable citizens in the austere precincts of death, and they were forthwith banished to the icebox of a florist shop without the gates. Poor little Cupid and Psyche! One cannot help but wonder if any of the grave and reverend trustees knew the symbol that they banished: Love awakening the Immortal Soul. Possibly, nay probably, Psyche was scantily clad, but then Truth is a very naked lady. Would not her gracious loveliness in the guise of immortality help us far better to find something beautiful in death than a thousand princely robed angels weeping over funeral urns?—*N. Y. Sun.*

Some day, not far off either, all Retail florists will appreciate the advantage of this Department. But why wait? Break the ice now, and write us freely. Good photos wanted.

A Memorial Day Window

Memorial Day is almost upon us again with its attendant memories, and as it is distinctly a day of mourning for our Nation's dead, something appropriate, and at the same time not gruesome, is in order for the florist's window.

I would suggest the setting as shown in the sketch for a large window 9 ft. high by 14 ft. wide; or it could be divided into two separate windows of smaller dimensions, if desired.

First procure four good-sized American flags and drape them in the following manner: For the center take two flags and tie the unions together. Nail them exactly in the center and rear of the window and bring the two ends up to the ceiling, as far apart from each other as possible, which will produce graceful folds. Hang the remaining two, one in each corner of the window as shown in the sketch. Fasten an upright strip of wood 6 ft. high, 4 in. wide and 2 in. thick solidly to the floor of the window, exactly in the center and rear.

Take four thinner strips, 2 in. wide and 1 in. thick, and fasten them, at equal distances apart, from the ceiling down to the upright and either side of window, forming two triangles with one-half of base resting on the upright and the other half on either side of the casing. Cover these with green crêpe paper or cheese-cloth and fasten Cycas leaves, either by wiring or small staples, over the front side, covering every part of same. Old or damaged stock Cycas would do for this.

Now select some well-shaped leaves, 18 in. to 2 ft. long, and fasten them in a branching form as shown in the drawing, using larger leaves for the center. Southern Smilax could be used on the left arch only, instead of the Cycas leaves, if it could be procured in good condition at this time of the year. Hang a large cornucopia vase on top of the upright and fill it with large white or pale pink Peonies.

Bank a few good-sized Kentia Palms from the rear well out to the front, making a sort of dividing line for the two scenes, which we will take up presently. Place a border of Scottii Ferns around them to hide the pots or tubs.

Arranging the "Military" Section

In the left section, cover the floor with green moss, and sprinkle, lightly in some parts and heavily in others, with sand. Take three sticks about 3 or 3½ ft. long—moss bale sticks would do—and tie them together at the top with a stout cord, forming a tripod. Suspend a hanging pot from the tripod and insert in it a nice Whitmani Fern. Stick three or four Orchid tubes in the Fern, placing a white Peony in each. Moss a round, flat basket 6 in. in diameter, wet it thoroughly and stick it full of Asparagus plumosus. Secure three or four charred pieces of wood and lay them on the basket, allowing the ends to protrude. Sprinkle the floor well with sand under the tripod and place the basket exactly under the pot. Insert in the basket stalks of red and, where possible, a few stalks of yellow Gladioli, allowing them to come up around the pot to resemble flames. Tie a narrow piece of ribbon around the top of the tripod to cover the cord and you have a good representation of a camp fire.

Place a wax figure, dressed in the uniform of a soldier of 1861-5 period, in the left corner of the window, the figure holding a musket in position as shown in the drawing. The figure and musket can be hired for a very nominal amount.

Now fill in the background with Palms and Scottii Ferns. Place stalks of various colored Gladioli through the Ferns, and set a tall vase of Snowballs in the center of the background. Hang a row of cornucopia glasses on the left front side and fill same with various colored Peonies.

Make a shield in the following manner: Cut the head and wings of an eagle, with a shield as the body, out of heavy cardboard or thin lumber. Moss this and make the head and wings out of yellow Immortelles. On one-half of the shield make the stars and stripes out of red, white and blue Immortelles—the stars may be made out of white pasteboard and glue on. On the other side of the shield the Confederate stars and bars may be made in the same manner. Hang the shield in the center of the left section or quarter of the entire window, about 3 ft. down from the ceiling.

Catch a piece of 2½ in. wide red, white and blue ribbon at the bottom of the shield, leaving streamers long enough to reach to the side and center upright, forming a bow at each end. Now paint or paste the numbers 1861-5 at equal distances from the center.

Arranging the "Peace" Section

Hang a piece of purple ribbon of the same width, and caught up in the center in the claws of a white dove suspended from the ceiling over the other half of the window, with the two numbers 1910 at equal distances apart.

Cover the floor of the right half of the window with dark green cloth. Make a wreath of Galax or Magnolia leaves, about 5 ft. in diameter, with Orchid tubes inserted to hold cut flowers. Cover well around the Orchid tubes with Asparagus plumosus, which will keep fairly well for a week. A few large Cycas leaves could also be used with effect. Place the wreath on an easel, the wreath just touching the floor. Stretch a piece of broad purple ribbon across the wreath, with a bow and streamer at each end, with the inscription "In Memoriam" in large gold letters. Place two vases of white Peonies in the foreground, with Smilax falling from them. Bank in the background with Palms and Scottii Ferns, same as in the other half, but instead of using assorted colored Gladioli, use white, or a very pale pink. Hang a row of cornucopia glasses filled with white Peonies in the right foreground. Numerous other details can be used in this side, such as low vases of Spring flowers, being careful, however, to use mourning colors only.

You now have a window arrangement, one side typifying a scene during the war, with various colored flowers placed through the background; the other side typifying the "peaceful present," with the white dove emblematical of peace fluttering overhead.

JOS. MEIKLEJOHN.

A Memorial Day Window

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — **ALBANY, N. Y.** — **11 North Pearl Street**
Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — **Leading Florist** — **AMSTERDAM, N. Y.** — **SCHENECTADY, N. Y.** — Estab. 1877

Atlanta Floral Co. — **ATLANTA, GEORGIA** — **41 Peachtree Street**
We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** — **124 Tremont Street**
We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** — **24 Tremont Street**
Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Zinn the Florist — **BOSTON, MASS.** — **No. 1, Park St. No. 2 Beacon St.**
Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Robt. G. Wilson — **BROOKLYN, N. Y.** — **Fulton St. and Greene Ave**
Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — **BUFFALO, N. Y.** — **W. J. PALMER & SON, 304 Main St.**

Hauswirth — **CHICAGO, ILL.** — **The Auditorium Florist, 232 Michigan Ave.**
The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

JULIUS BAER, — **CINCINNATI, O.** — **Fourth St.**

Frank E. Crum — **COLORADO SPRINGS, COLO.** — **Retail Florist**
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co. — **CONNECTICUT** — **New Haven** — **1026 Chapel St., Opposite Yale College**
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. G. Matthews — **DAYTON, OHIO** — **Florist, 16 West Third Street**
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Boston Retail Notes

There were noticed this week in Doyle's Boylston st. window some very beautiful designs of white china for cut flower arrangements, in the way of Vases, small baskets, small garden designs, etc., which lent themselves charmingly to certain flowers. Mr. Doyle imports these direct from Germany and says he has a large sale for them. He has also a fine stock of English "gathering" baskets for which he has a great demand from all over the country.

A very pretty new flower made its appearance this week at Zinn's Park st. store. It is Gypsophylla elegans, and it is a charming little plant with a myriad of star-shaped flowers. It is not like Baby's Breath, being a low growing plant with larger flowers. Other good things in this window were Gladiolus Blushing Bride and good plants of Calceolaria rugosa.

Comley on Park st. has in his window nicely grown pots of Strawberry plants, well fruited, and disposes of them in baskets six plants in each baskets. He has a good demand for them. Also noticed in his display were good sprays of Cattleya Mossiæ and nice little plants of the pretty old Geranium Happy Thought. Small pots of Thrift—Armeria maritima—which were nicely flowered made a nice edging for the window. Gladiolus Blushing Bride was in good evidence by handsome bunches.

Edward MacMulkin has a pink display in his window this week. He uses pink-colored baskets of which one was filled with a pretty pink double-flowered Prunus. Others were filled with pleasing shades of pink Sweet Peas. Some of the baskets had white Marguerites. There was a good display of Orchids, principally Cattleyas, from the MacMulkin greenhouses.

Carbone's window, as usual, was tastefully arranged, principally with Gladiolus Blushing Bride, Erica ventricosa, Calceolaria Stewartii and small pots of Heaths and small Pelargoniums.

Penn has a magnificent display of American Beauty Roses and Daffodils.

Wax Brothers has an attractive window with Gladioli, Roses, Orchids and other Spring material. Newman has always a neatly arranged window, with lots of variety, and has always a good supply of the leading things in the market. R. C.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Minnetonka	Apl 30	9.30 am.	W. 16th St., N.Y.	London
St. Paul	" 30	10.00 am.	W. 23rd St., N.Y.	Southampton
Oldenburg	" 30	10.00 am.	3rd St., Hoboken	Bremen
Amerika	" 30	10.00 am.	1st St., Hoboken	Hamburg
Fred der Grosse	" 30	10 00 am.	3rd St., Hoboken	Naples-Genoa
Columbia	" 30	11.00 am.	W. 24th St., N.Y.	Glasgow
Kroonland	" 30	11.00 am.	W. 18th St., N.Y.	Antwerp
Cedric	" 30	12 00 m.	W. 21st St., N.Y.	Liverpool
Duca di Genova	" 30	12.00 m.	W. 34th St., N.Y.	Naples-Genoa
Floride	" 30	3 00 pm.	W. 44th St., N.Y.	Havre
Uranium	" 30		Pier 38, Bklyn	Rot'dam-Ham
Patris	May 2		Pier 22, Bklyn	Piraeus Patras Smyrna
Chicago	" 2	3 00 pm.	W. 15th St., N. Y.	Havre
Kronpr. Wilhelm	" 3	10 00 am.	3rd St., Hoboken	Bremen
Potsdam	" 3	10.00 am.	5th St., Hoboken	Rotterdam
Carmania	" 4	9.00 am.	W. 14th St., N. Y	Liverpool
Taormina	" 4	12.00 m.	W 34th St., N. Y.	Nap-Pal-G'n'a
Oceania	" 4	1.00 pm.	Bush Dks. Bklyn	Napls-Trieste
Pres. Grant	" 4	2.00 pm.	1st St., Hoboken	Hamburg
Adriatic	" 4	2.00 pm.	W. 21st St., N. Y.	Southampton
Estonia	" 4		Bush Dks. Bklyn	Rotdam-Libau
Roma	" 4	1.00 pm.	Pier 33, Bklyn	Naples
La Lorraine	" 5	10.00 am.	W. 15th St., N. Y.	Havre
Geo. Washington	" 5	10.00 am.	3rd St., Hoboken	Bremen
Batavia	" 5	2.00 pm.	1st St., Hoboken	Naples
C. F Tietgen	" 5	2.00 pm.	17th St. Hoboken	Copenhagen
Manuel Calvo	" 6		Pier 8, E. River	Barcel'a Cadiz Naples-Genoa
Arabic	" 7	9.30 am.	W. 21st St., N.Y.	Liverpool
Philadelphia	" 7	10.00 am.	W. 23rd St., N.Y.	Southampton
Neckar	" 7	11.00 am.	3rd St., Hoboken	Naples-Genoa
Finland	" 7	11.00 am.	W. 18th St., N. Y.	Antwerp
Caledonia	" 7	3.00 pm.	W. 24th St., N. Y.	Glasgow
Luisiana	" 7		Bush Dks. Bklyn	Naples-Genoa
Themistocles	" 7		Bush Dks. Bklyn	NaplesPiraeus Smyrna
Sicilian Prince	" 7		Pier 38, Bklyn	Rotdm-Hamb
Regina d' Italia	" 9	11.00 am.	Gr'nd St., Jer.Cy	Genoa
Ka. Wilhelm II.	" 10	10.00 am.	3rd St., Hoboken	Bremen
New Amst'rdam	" 10	10.00 am.	5th St., Hoboken	Rotterdam
Hamburg	" 10	11.00 am.	1st St., Hoboken	Gib-Nap-G'n'a
Oceania	" 10	12.00 m.	W 34th St., N.Y.	Naples-Genoa
Mauretan'a	" 11	9.00 am.	W. 14th St., N.Y.	Liverpool
Teutonic	" 11	9.30 am.	W. 21st St., N.Y.	Southampton
Pennsylvania	" 11	11 00 am.	1st St., Hoboken	Hamburg
La Savoie	" 12	10.00 am	W. 15th St., N.Y.	Havre
Bremen	" 12	10.00 am.	3rd St., Hoboken	Bremen
From Boston				
Zeeland	May 3	5 00 pm.	B & M Dks, Char	Liverpool
Canopic	" 4	4 00 pm.	44 Ho'sic T.Char	Gib-Nap-Geo.
Lancastrian	" 6		B&A Dks, E.Bos	London
Ivernia	" 10	10.00 am.	B&A Dks, E Bos	Liverpool
Parisian	" 13	10.00 am.	Mystic W'f Char	Glasgow
Romania	" 14	2.00 pm.	B.&M. Dks. Char	Naples-Genoa
Philadelphia				
Friesland	Apl 30	10.00 am.	53 So. Wharves	Liverpool
Mongolian	" 30		24 No. Wharves	Glasgow
Taormina	May 3		80 So. Wharves	Pal-Nap-G'n'a
Menominee	" 13	10.00 am.	55 So. Wharves	Antwerp
Haverford	" 14	10.00 am.	53 So. Wharves	Liverpool
Carthagenian	" 14		24 No. Wharves	Glasgow
San Francisco				
Chiyo Maru	May 3	1.00 pm.		Honolulu-Japan-China
Asia	" 10	1.00 pm.		Honolulu-Japan-China
Mongolia	" 24	1.00 pm.		Honolulu-Japan-China

Preserving Plants in Their Natural State and Color

The following method, in the "Pharmaceutical Journal," is recommended as a means of preserving flowers and plants in their natural state:—One litre of fine white sand is sifted, washed, and dried; then the following solution is made: 3 gms. of stearin, 3 gms. of hard paraffin, and 3 gms. of salicylic acid in 100 gms. of absolute alcohol, dissolving by aid of heat. With this solution the sand, previously heated, is treated little by little, until all the grains are moistened, when the whole is exposed to the air to dry. The plants and flowers to be preserved are placed in a suitable box on a layer of the prepared sand, and more of the sand is sprinkled over them so as not to disturb the natural position, until they are completely covered. The box is now placed in a warm place (30° to 40° C.) for two days, after which time the sand is carefully drawn off, the best means of doing this being to provide the box with an opening in the bottom, from which a cork or other suitable stopper may be withdrawn.

The Park Floral Co. — **DENVER, COLORADO** — **1706 Broadway**
J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

John Breitmeyer's Sons — **DETROIT, MICH.** — **Broadway and Gratiot Ave.**
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — **INDIANAPOLIS, IND.** — **241 Massachusetts Ave.**
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — **JACKSONVILLE, FLA.** — **20 Laura St.**
We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — **KANSAS CITY, MO.** — **1017 Broadway**
I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — **LOUISVILLE, KY.** — **644 Fourth Avenue**
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA** — **855 St. Catherine St., West**
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Young & Nugent — **NEW YORK** — **42 West 28th Street**
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** — **25 Clinton Avenue, North**
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — **SCRANTON, PA.** — **122 and 124 Washington Ave**
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** — **20-22-24 West Fifth Street**
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see pages 792, 793

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By Rose grower; American; aged 25. Address, M. C., care The Florists' Exchange.

SITUATION WANTED—By man of good education and experience as manager of Rose growing place. State salary and particulars in first letter. Address, M. A., care The Florists' Exchange.

SITUATION WANTED—By first-class man as manager or foreman on private or commercial place. Well up in all branches. American, married, aged 33. Address, M. B., care The Florists' Exchange.

SITUATION WANTED—By expert gardener, many years' experience in England and America. Can fill any position. Very best of references. Capt. Bratherton, 326 West 34th st., New York.

SITUATION WANTED—By first-class florist, German, 30 years of age, 15 years' experience in cut flowers and pot cultures; able to handle men. A 1 references. Address, M. E., care The Florists' Exchange.

SITUATION WANTED—As assistant gardener on private place. Thoroughly understands lawn, drives, vegetables, also greenhouse work; all letters answered. First class references. Address, M. D., care The Florists' Exchange.

SITUATION WANTED—By French gardener and florist, 48, single; small private place preferred. Good references. Wages expected, $35.00, with board and room. Life experience as an all-around man. Address, W. Kamper, 111 Mead ave., Portchester, N. Y.

SITUATION WANTED—By a thoroughly experienced florist and gardener, middle aged Scotchman, on private or commercial place; advertiser understands how to grow flowers, fruits and vegetables. Please state full particulars. Address, M. H., care The Florists' Exchange.

SITUATION WANTED—By an American, 24, single, on a Rose growing place as construction man; can erect houses, glaze, set up all kinds of boilers, installing heating systems, can do all kinds of carpenter work and general repairs. Have had experience in growing Killarney, packing and shipping of same. Open for employment at once. Address, L. F., care The Florists' Exchange.

SITUATION WANTED—By a well-educated gardener, 30 years of age, as working foreman on a greenhouse place where a man is wanted who understands how to grow Carnations, Chrysanthemums and a general line of bedding stock; acquainted with funeral designing and decoration work. Good steady position expected. New Jersey or Maryland preferred. Only best of references. Address, M. G., care The Florists' Exchange.

SITUATION WANTED—By a strictly competent and sober American florist who would like to change present position. Advertiser is thoroughly experienced in the wholesale cut flower business and would not consider a place with less than 30,000 square feet of glass. My stock at present position is my reference which I would be pleased to have my future employer inspect. Address, M. E., care The Florists' Exchange.

HELP WANTED

WANTED—An assistant in Rose and Carnation Houses. Wages $60.00 per month. Apply with references and full particulars to K. H., care The Florists' Exchange.

WANTED—Rose grower for general greenhouse work; married man preferred; permanent position. Call or apply to Edgar C. Hopping, Florham Park, near Madison, N. J., via D. L. & W. R. R.

WANTED—Sober, young married man, to work in greenhouses; good steady position. 6 rooms and $12.00 per week to start. German preferred. K. E. Kaulback, Berlin, N. Y.

Continued to next column

HELP WANTED

HELP WANTED—An experienced man for Carnations, Chrysanthemums and general plant line. Permanent position for good grower. Address Peirce Bros., Waltham, Mass.

WANTED—Two assistants in Rose and Carnation houses; apply at once with references to

THE JOHN YOUNG CO.,
Bedford Station, N. Y.

WANTED—A single, German man to take charge of a small greenhouse. Must be sober and a good worker. State full particulars. Apply to The West Side Greenhouse, 10 N. Main st., Bethlehem, Pa.

WANTED—A strictly sober, well recommended young man for general greenhouse work; one with experience in growing ferns preferred. Wages according to ability. J. F. Anderson, Short Hills, N. J.

WANTED—Young man in growing shipping place with chance to share in business in future. Must be good propagator, careful and conscientious worker and not be afraid to tackle any job. J. L. Schiller, Toledo, Ohio.

WANTED—A good man for steady position, to take charge of small greenhouse where Chrysanthemums, Carnations and general line of bedding stock is grown. Good room and board. Address, C. M. Terry, Phoebus, Va.

WANTED—An assistant in greenhouse work with some experience; $12.00 per week to start. State references and experience. Steady work to right party. No drinker need apply. Ed. A. Lorentz, Middletown, N. Y.

WANTED—Competent storeman; must be good salesman and designer and able to take full charge if required; position permanent, if satisfactory. References required. M. Hendberg, 415 Washington st., Hoboken, N. J.

WANTED—Good competent man who knows how to grow good Roses, Carnations, 'Mums, and bedding plants and has some idea of designing. Up-to-date commercial place; steady work all year. State wages wanted. E. Jacobi, Florist, Irvington, N. J.

WANTED—At once, a working foreman, married, capable of handling help to advantage, on a place of 35,000 feet of glass, where Roses, Carnations, 'Mums, Bedding Plants and general stock are grown to supply our store. Must be a producer of first-class stock. Send copies of references, state age, and wages expected in first letter. John Reck & Son, Bridgeport, Conn.

WANTED—Assistant on private place, young man capable of putting out bedding plants, caring for flower beds and making himself generally useful about flower and vegetable garden. Permanent position with $35.00 a month and board, to a good man, who is quick and neat about his work. No others need apply. Apply with references in person or by letter to Gardener care W. R. H. Martin, Belle Haven, Greenwich, Conn.

STOCK FOR SALE

BEGONIAS

BEGONIA Lorraine and Agatha—2½-in., twice transplanted, $12.00 per 100; in 600 lots, $50.00 per 600.
Box Trees, all sizes. Ask for special list.
Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. Y.

BULBS

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices. George Peters & Sons, Hempstead, N. Y.

DAHLIA ROOTS, undivided field-grown clumps, Kreimhilde, Nymphia, Lyndhurst and Catherine Duer. Send for special price list. Wood & Healey, Hammonton, N. J.

DAHLIA BULBS for the trade at $3.50 per 100; $30.00 per 1000. Not over two bulbs of a kind in a hundred lot; all copper wire labelled with printed name and color; just what you need to sell again. C. Peirce, Digbton, Mass.

CHRYSANTHEMUMS

CHRYSANTHEMUMS.
Golden Glow, Col. D. Appleton, Crocus, Major Bonnaffon, Mlle. J. Nonin, Rooted Cuttings, $2.00 per 100, $15.00 per 1000. Plants, $3.00 per 100, $25.00 per 1000.
Ivory, Monrovia, October Frost, Pacific Supreme, Roserie, Rooted Cuttings, $2.50 per 100, $20.00 per 1000. Plants, $3.00 per 100, $25.00 per 1000.
Golden Eagle, Pres. Roosevelt. Rooted Cuttings, $3.00 per 100, $25.00 per 1000. Plants, $4.00 per 100, $30.00 per 1000.
NEW 1909.
Indiana, Mrs. W. E. Kelley. Rooted Cuttings, $5.00 per 100, $40.00 per 1000. Plants, $6.00 per 100, $50.00 per 1000.
Gloria. Rooted Cuttings, $3.00 per 100, $25.00 per 1000. Plants, $4.00 per 100, $30.00 per 1000.
25 at hundred rate, 250 at thousand rate.
For complete description, see catalog.
Elmer D. Smith & Co., Adrian, Mich.

Continued to next column

STOCK FOR SALE

CHRYSANTHEMUMS

CHRYSANTHEMUMS.
Rooted cuttings, Yellow Bonnaffon, Dr. Engushard, Polly Rose, Glory of the Pacific, $1.00 per 100; strong cuttings from cold frames. Park Floral Co., Trenton, N. J.

CHRYSANTHEMUMS—Golden Glow, Desjouls, Poehlmann, Pacific, Estelle, Roosevelt, Nonin, Dr. Engushard, Monrovia, Lynnwood Hall, etc.; strong rooted cuttings, $1.00 per hundred. Ask for list; 26 varieties. Edward Wallis, Atco, N. J.

CHRYSANTHEMUMS, transplanted cuttings, Estelle, Pacific, Oct. Frost, Touset, Halliday, Whilidia, Bonnaffon, Maud Dean and other varieties, $1.25 per 100, $12.00 per 1000. Baylis & Sons, West Grove, Pa.

GLORIA, a large early Enchantress Pink 'Mum; Pres. Taft, a huge glittering White Midsseason, both have stems and foliage unsurpassed; R. C. prepaid, Taft, $1.00 per 25, $3.75 per 100. Gloria, $2.50 per 100, 2½-in., $3.50 per 100. Chas. Frost, Kenilworth, N. J.

DRACÆNAS

500 DRACAENA INDIVISA

Strong plants, 3 ft., 6-in. pots, $6.00 per doz.; strong plants, 2 ft., 5-in. pots, $4.00 per doz. 500 English Ivy, 4-in. pots, $15.00 per 100. Large Boston Ferns. Cash with order.
HENRY RUDOLPH, ESSEX FELLS, N. J.
Tel. 6, Caldwell, N. J.

DRACAENA INDIVISA.
Very strong.
5-inch pot, as good as 6-inch, $21.00 per 100
5-inch, strong, $19.00 per 100
6-inch, good, $18.00 per 100.
No Better to be had for the money.
Morel Bros., 622 East Market st., Scranton, Pa.

GERANIUMS

10,000 GOOD STRONG GERANIUMS. In 3½ and 4-in. pots, mostly Nutt, all out in bloom, $6.00 per hundred. Johnson & Garland, Nazareth, Pa.

GERANIUMS—S. A. Nutt, fine plants out of 4-in. pots at $6.00 per hundred. Satisfaction guaranteed. This price for April delivery.
BRANT BROS., INC., UTICA, N. Y.

STOCK FOR SALE—Geraniums S. A. Nutt and Double Lobelia, 2-in., $2.00 per 100. Rooted Cuttings, Double Lobelia, Salvia, Zurich, German Ivy, Ageratums, Gurney and Cuphea, 75c. per 100. Cash with order. F. A. Ezold, Haddam, Conn.

HOLLYHOCKS

HOLLYHOCKS, double, in separate colors—out 4-in. pots—extra heavy and healthy. Price $8.00 per hundred. A. L. Miller, Florist and Nurseryman, Jamaica ave. opp. Schenck ave., Brooklyn, N. Y.

IVY

IVY—Hardy, English, 4-in. pots, very bushy, 3 to 5 ft. tall, $16.00 per 100. John Reck & Sons, Bridgeport, Conn.

STOCK FOR SALE—Extra fine English Ivy out of 4-in. pots, $12.00 to $15.00 per 100. Variegated Vincas, 2½-in., strong, $3.50 per 100. Herman Bowman, 92 R. R. ave., White Plains, N. J.

NURSERY STOCK

CALIFORNIA PRIVET, 1½ doz., 6 ft., specimen plants; 2 doz. 4 ft. specimen plants, for sale very reasonable. Florist, 47 Jefferson Market, New York.

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA

The true large flowering forcing variety, warranted true 2¼-inch pots at $3.00 per hundred, one year field grown strong 12 to 18 inches, $6.00 per hundred, $55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

ROSES

GRAFTED ROSE STOCK.
Killarney, White Killarney, Brides, Bridesmaids and My Maryland, 2½-in. stock, $15.00 per 100, $125.00 per 1000. C. H. Totty, Madison, N. J.

ROSES, STRONG, CLEAN STOCK
Own root: Bride, Bridesmaid, Chatenay, Golden Gate, Pink Killarney and Kaiserin, $6.00 per 100; Grafted Pink Killarney, $12.00 per 100. P. R. Quinlan, Syracuse, N. Y.

SALVIAS

STOCK FOR SALE—5000 Salvia Bonfire, 2½-in. pots, $2.50 per 100. Joseph Wood, Spring Valley, N. Y.

SALVIA—Splendens and Bonfire, transplanted seedlings, 75c. per 100. Lemon Verbena, Stevia and Feverfew, rooted cuttings, prepaid, 75c. per 100. Pansy plants from Fall sown seed, prepaid, 50c. per 100; 1000, by express, $3.00. Chas. Frost, Kenilworth, N. J.

STOCK FOR SALE

VEGETABLE PLANTS

MILLIONS of early and late vegetable plants for sale. All kinds and varieties, transplanted or not; write for prices. See our display advertisement in this issue of pot plants. Alonzo J. Bryan, Washington, N. J.

NOW READY TO SHIP—A very large stock of Early Cabbage, Tomato, Beet and Sweet Potato Plants, at $1.25 per 1000. Extra plants to help pay express charges. S. J. McMichael, P. O. Box 473, 142 Larkins st., Findlay, O.

MISCELLANEOUS

CHOICE Pansy plants, Fall transplanted, $1.00 per 100, $8.00 per 1000. Cash. W. C. Myers & Sons, Scottdale, Pa.

KUDZU VINES, largest stock, strong 1 year, $15.00; medium, $10.00; light grade for potting, $5.00 per 100. Teas Nursery, Carthage, Mo.

VIOLETS, good strong rooted runners, Princess of Wales, California and Campbell, $1.00 per 100, 7.50 per 1000. W. C. Pray, Dobbins, N. J.

STOCK FOR SALE—40,000 Verbena plants in bud and bloom, $20.00 per 1000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

CYCLAMEN, finest large flowering strain, from 2-in. pots 4c. Snow Queen, extra large, wavy and fringed pure white, 6c. J. L. Schiller, Toledo, Ohio.

SMILAX
for June or July delivery, $12.50 per thousand; fine plants. Geraniums and Salvias all sold. P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

AMPELOPSIS VEITCHII, strong, well rooted, one year plants, 18 to 24 inches; 50, by mail, $2.00; 100, $3.00; 1000, $20.00; by express. Address, Chas. Black, Hightstown, N. J.

6000 VARIEGATED FUNKIA clumps, 2 to 4 eyes, $40.00 per 1000; 3000 Hardy White Candytuft, 3 years' stock, $60.00 per 1000. Cash with order. A. F. Johnson, Springfield, L. I.

CARNATION PLANTS

Transplanted Seedlings, nice and stocky: Marguerite and Chabaud's Giant Fancy, $3.00 per 100. Cash with order.

M. J. SCHAAF, DANSVILLE, N. Y.

COLEUS—Verschaffeltii and Golden Bedder, 65c. per 100, $5.00 per 1000.
Cannas, started on light benches in soil; Bouvier, Henderson, Queen Charlotte, Egandale, Souv. d'Ant. Crozy, $2.00 per 100, $18.00 per 1000. Cash please.
J. Ambacher, West End, N. J.

STOCK FOR SALE—20,000 Vinca Minor (Myrtle blue fl.) 1 year old strong field-grown clumps, $7.00 per 100. 4000 Dracaena Indivisa, extra fine, 4-in., 10c.; 5-in., 20c.; 6-in., 35c.; 7-in., 45c.; 8-in., 60c.; 9-in., $1.00 each.
Pansies, August sown, in bud and bloom, not transplanted, from cold frame, $3.00 per 1000; big transplanted plants from field, $2.00 per 100. Cash please. Frank Boehme, Wachung ave., Bloomfield, N. J.

STOCK WANTED

WANTED—Some good stock Poinsettia plants. Write with particulars to L. H., care The Florists' Exchange.

STOCK WANTED—I want to purchase good blocks of Boston and Scottii Ferns. State quantities, sizes, prices and particulars to L. C., care The Florists' Exchange.

STOCK WANTED—500 or 1000 clumps of Price of Wales Violets, good strong healthy stock; send sample by mail and quote lowest cash price at once. Chas. Black, Hightstown, N. J.

WANTED

4 large Century Plants, in good condition. State price, packed ready for shipment. Thomas Meehan & Sons, Inc., Germantown, Philadelphia, Pa.

SUNDRIES FOR SALE

FOR SALE—Best brands greenhouse glass, all sizes at special low prices. Small or large lots. C. S. Weber & Co., 10 Desbrosses st., New York City.

FOR SALE—Paradise fish, little beauties; these fish build their nest on top of the water and are very interesting. Send for prices. Samuel V. Smith, 3323 Goodman st., Philadelphia, Pa.

FOR SALE—At a bargain, a steel galvanized-iron Wind-Mill Tower, 75 ft. high; tank capacity, 5,000 gallons. Also a 2½ hp. Mertz & Weisse kerosene engine. Everything in perfect condition. Address, Lucas V. Beau, Larchmont, N. Y.

FOR SALE—All kinds of greenhouse material.

SPECIAL THIS WEEK—200 boxes 10x14 double thick glass, 3000 feet of 4-in. Hitchings pipe, very cheap, at James Monahan's Greenhouses, 22 Belmont ave., Madison, N. J.

I. SUESSERMAN, 229 Livingston st., Newark, N. J.

FOR SALE OR RENT

FOR SALE—Farm, suitable to florist, 3½ acres, 5-room house, within 1200 feet of Long Island Railroad station, rent $20.00 per month, 3 to 5 years' lease, immediate possession. Box 35, Douglaston, Long Island.

TO LEASE—In Brooklyn, 10,000 to 12,000 sq. ft. of glass in good condition. Place fully stocked. Handy to cars. For further particulars, address I. F., care The Florists' Exchange.

FOR SALE—A well established florist business, which has been successfully conducted for seventeen years, consisting of dwelling house, greenhouses and store. Not a large amount of money needed. Address, L. B., care The Florists' Exchange.

FOR SALE TO SETTLE ESTATE—The entire greenhouse establishment of Mrs. F. T. Howell, 18,000 feet of glass, 20,000 feet of piping, two boilers, poles, etc.; plant to be removed. Price $1500.00. R. T. Brown, Pine Bush, N. Y.

FOR SALE—Greenhouse property of 10,000 ft. of glass, A 1 condition. Steam heating, electric light; the same is stocked with Roses, Carnations and bedding plants. The reason for selling: I have two establishments and must dispose of one. Inquire of W. D. Snell, Herkimer, N. Y.

FOR SALE—Florist establishment consisting of 10,000 sq. ft. in first-class condition, fully stocked, also 8-room house, barn and one acre of good ground, situated in the most beautiful town of 8000 population in New York State. House and greenhouses heated by hot water. Address, M. I., care The Florists' Exchange.

FOR SALE—In East Williamsburg, L. I., 2-family dwelling with stable and 4 greenhouses with 6000 sq. ft. of glass; 6 lots, 25x100 ft., and piece of land to hire in rear of property. Place in good condition; convenient to all cars and trains. Estate of Andrew Groll deceased. Inquire of Jacob Amann, Florist, 1702 Metropolitan ave., Middle Village, L. I., at Lutheran Cemetery.

Continued on next page

INVESTIGATE THIS RARE BARGAIN

FOR SALE—Florist establishment, near Newark, six room dwelling, 16,000 feet of glass, all stocked with bedding and cut flowers, hot water system. Barn, wagon sheds, three wagons. Two acres ground highly cultivated, two blocks from railroad station and trolley. Good retail trade, also store in Passaic. Must sell account of other business. No reasonable offer refused. A. L. Huntley, 11 High st., Nutley, N. J.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED—5000 Cedar Bean Poles. Address with price, M. K., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED—One hundred to three hundred second-hand six-foot hotbed sash in good condition. A. G. Smith & Son, Petersburg, Va.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the edvt. in the Exchange.

FOR SALE

AUTOMOBILE Model F Cadillac, baby touring, guaranteed, with almost new quick-detachable tires, finest thing for business or pleasure, price $200.00.

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 160 lbs. pressure, 9c. 6 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 86c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.86. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.36.

PANSY AND FLOWER BOXES All sizes. Send for prices.

CARNATION SUPPORTS About 10,000 at $4.00 per 1000.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x16 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1399-1408 Metropolitan Ave., BROOKLYN, N. Y.

We Pay The Freight on cut-flower and design boxes. See our price list on page 746, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.

Box 200 - - - Castorland, N.Y.

A Short-Lived Enterprise

According to the San Francisco Post the directors and officers of the fashionable California Flower and Plant Society, the formation of which was recently referred to in the columns of the EXCHANGE, have scattered to the four winds, leaving Mrs. Thomas H. Stevenson, president, in full possession.

The society was incorporated a few weeks ago. The incorporators, with the exception of Mrs. Stevenson, were of the opinion that the mission of the Society was to grow Orchids, American Beauty Roses and other rare flowers to be sold merely at cost, and to revive the old-fashioned flowers of our grandmothers. They considered the Society a sort of floral philanthropy, a something that would do some good to the poor of the world, as well as to those lovers of flowers who are not so poor and who love to crowd their homes with flowers.

The claim is made that Mrs. Stevenson did not care to waste her time—that the Society meant business to her, especially as her husband is in the floral store business. The directors had ways of their own by which the flowers could be disposed of, but the claim is made Mrs. Stevenson wished them disposed of through her husband's store.

Therefore, the directors and their money and social prestige dropped out of the Society, leaving Mrs. Stevenson in possession. The directors were Mesdames California Newton, J. K. Firth, William C. Ralston and Lucie May Hays. Mrs. Hays and Mrs. Ralston are on their way to Europe.

That there was a quarrel among the women is strenuously denied by every one concerned. They simply agreed to disagree, and the resignations followed.

TILE DRAINED LAND IS MORE PRproductive Earliest and easiest worked. Carries off surplus water; admits air to the soil, increases the value. Acres of swampy land reclaimed and made fertile. Jackson's Round Drain Tile meets every requirement. We also make Sewer Pipe, Red and Fire Brick, Chimney Tops, Encaustic Side Walk Tile, etc. Write for what you want and prices. JOHN H. JACKSON, 50 Third Ave., Albany, N.Y.

ROUND TILE

LIKE THE BEE

We are Never Idle

More Active Than Ever

Ten large greenhouses and an equal amount of cold frames filled with choice **BEDDING PLANTS** of all descriptions. Now ready for immediate shipment.

LOOK! We are the people who can offer you **BARGAINS** in **BEDDING PLANTS.**

CANNAS, EISELE, 4 in., $8 per 100; English Ivy, 4 in., $1.00.

BEGONIA ERFORDI, new improved variety, 4 in. pots, $8.00 per 100.

BEGONIA FLAMBEAU, 6 in. pots, 18 to 24 in. high, for boxes and vases, 25c.

BEGONIA VERNON, dark red, improved type, 4 in., $7.00 to $8.00 per 100.

SCARLET SAGE, Clara Bedman or Bonfire, 4 in., $7.00 per 100.

AGERATUM, dwarf, best blue, 4 in. pots, $6.00 per 100.

LEMON VERBENAS, 4 in., $7.00 per 100.

HELIOTROPE, blue, 4 in. pots, $7.00 per 100.

ENGLISH IVY, 3-in. pots, 18 to 25 in. high, $5.00 per 100.

FUCHSIAS, assorted colors, 4 in., $7.00 per 100.

PETUNIAS, double, assorted colors, 4 in., $7.00 per 100.

LANTANAS, assorted colors, 4 in., $7.00 per 100.

ECHEVERIA GLAUCA, 3 good sizes at $5.00, $7.00 and $10.00 per 100.

Small plants, 2½ to 3-in., $3.00 per 100:

VERBENAS, assorted colors, **PHLOX DRUMMONDI,** dwarf or grandiflora, French dwarf **TAGETES** (the Queen of Marigolds), **COSMOS,** assorted; **COLEUS, Verschaffeltii, Queen Victoria and Golden Bedder** (fancy colors, $4.00 per 100); **PETUNIA, California Giant and Dwarf Inimitable; NASTURTIUMS** (dwarf); **SWEET ALYSSUM, Little Gem or Carpet of Snow; TRADESCANTIA, THUNBERGIA** (Black-Eyed Susan); **MAURANDIA Barclayana; IBERIS** or **CANDY-TUFT, CORN FLOWERS; SALPIGLOSSIS; LOBELIA, Crystal Palace** (blue), dwarf or trailing; **DUSTY MILLER** or **CENTAUREA Gymnocarpa.**

PRIMULA Obconica, 6-in., in bloom, $2.00 per doz.

DRACAENA Indivisa, 6 to 5½-in., 25c.

KENTIA Forsteriana and Belmoreana, 4-in. 20c.; **Belmoreana,** 3-in. 10c.; **Forsteriana,** 6-7 in., 40-60-60 in. high, $2.00, $2.50, $3.00 each.

CYCAS Revoluta, or **Sago Palms,** clumps from 3 to 10 lbs., 10c. a lb. 25 plants at 100 rate.

CRIMSON RAMBLER ROSES, 7-8 in. pots, 75c., $1.00, $1.25 each.

HYDRANGEA OTAKSA, in bud, 5½ to 6 and 7 in. pots, 25c., 35c., 50c.

FICUS ELASTICA, 4 in. pots, 25c.

GERANIUMS, best double white, **S. A. Nutt** (crimson) and pink, 4 in., $7.00 per 100.

Don't forget we are the wholesale growers and shippers of the genuine **MOON VINE,** the **Ipomoea Noctiflora,** for which we have had, for the last 25 years, a world-wide reputation. A rapid grower; grows in one season 60 ft. and over with thousands of pure white, waxy, fragrant flowers as big as a saucer. We ship 25,000 every season to every state in the Union, Canada and Mexico. 2½-in. pots, $5.00 per 100; 3-in., staked up, $8.00 per 100; 4-in., staked up, $12.00 per 100.

Watch our "ads" for **ARAUCARIA Excelsa, Compacta** and **Glauca.** First shipment, about 6000, will arrive from Belgium about May 10.

All plants must travel at purchasers' risk. Cash with order, please.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario St., PHILADELPHIA, PA.

The former directors still believe in the feasibility of their ideal plan. After the Summer season, when all of the women have returned to town, they plan to go right ahead combining their high ideals and the flower-raising and selling business.

Water Influences Growth

Supt. McLaren of San Francisco system of public parks was inspecting the work of restoring Union Square to its former beauty, now that the little St. Francis has been removed.

"I'm for heavin' this un out; it's a bum little bush," remarked a gardener with a brogue.

"Which one?" said McLaren. "You don't mean this beautiful little Scotch Heather? All it needs is more water and it will grow as tall as you are."

"You're not very tall yourself, Mr. McLaren."

"Not extraordinarily so."

"I say, Mr. McLaren," reflected the gardener thoughtfully, "did you ever try water yourself?"—*S. F. Chronicle.*

Growers Building

NEVIS, N. Y.—M. E. Teator is erecting another Violet house.

POUGHKEEPSIE, N. Y.—William Bock is erecting a Violet house, 27 by 200 ft.

EVANSTON, ILL.—Fischer Bros. are erecting a new greenhouse at 1400 Wilder.

CARTHAGE, MO.—Stephen Hyde is erecting two additional greenhouses.

BLOOMINGDALE, IND.—New greenhouses are being erected at the Bloomingdale Friends' Academy.

GLOVERSVILLE, N. Y.—George W. Pool is to erect a 40 by 350 ft. greenhouse between Summit and Spring sts., for Roses and Carnations.

READING, PA.—Stevenauer Bros., florists, will erect a large greenhouse at the corner of 12th and Exeter sts., also a salesroom.

Hitchings & Co. are building three iron post and rafter greenhouses, each 161 ft. long by 28 ft. wide, at Bound Brook, N. J., for Thomas Young, Jr., of Fifth ave., New York; also two houses of the same construction, ridge and furrow, 28 ft. 6 in. wide by 200 ft. 4 in. long, for J. Ehb Weir, at Jamesport, L. I.; and one Rose house for L. B. Coddington at Murray Hill, N. J., 425 ft. long by 55 ft. wide.

Special Offer of Bedding Plants That A Large Cemetery Cannot Use

Changes leaving on my hands a large quantity of **Bedding Plants,** I offer them at the following extremely low prices for immediate sale:

Dracaena Indivisa, strong, 5 inch pots, $20.00 per 100.
Dracaena Indivisa, strong, 4 inch pots, $12.50 per 100.
English Ivy Cuttings, out of sand, about 18 inches long, $10.00 per 1000.
Nice Plants of Periwinkle, $1.00 per 100, $8.00 per 1000.
Echeveria secunda glauca, $2.00, $3.00 and $4.00 per 100.

Do not forget those good **S. A. Nutt Geraniums,** out of 4 inch pots, $6.00 per 100.

JOHN ALBRECHT PENCOYD, MONTGOMERY CO., PA.

THOUSANDS OF FLORISTS KNOW THIS LABEL WHY NOT YOU?

It stands for protection in Ribbons. You get just exactly what you pay for in Ribbon Value and these Ribbons contain more Silk Value than any similar priced Ribbons a Jobber may offer you.

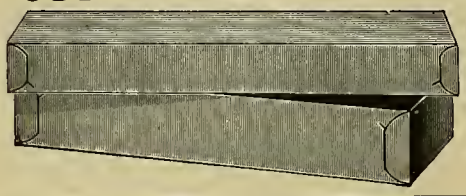
We are manufacturers and sell direct to the trade. Why not let us send you samples of our Monarch Satin Taffeta Ribbon, which has no equal; also our Taffeta Ribbons and Chiffons? Proof of our assertions is all we want to submit.

A postal card will bring quality swatches and prices.

The Pine Tree Silk Mills Company
Philadelphia, Pa.
806-808-810 ARCH STREET

Please mention the Exchange when writing.

CUT FLOWER AND DESIGN BOXES



All Sizes, Lowest Price
WRITE
C. C. Pollworth Co.
MILWAUKEE

Please mention the Exchange when writing.

New Crop Ferns Now Ready Only $1.50 per 1000

Let us have your orders now for Memorial Day, and you will be sure of the best to be had and at rock bottom prices. **GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS,** 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Telegraph office; New Salem, Mass. L. D. Phone Connection

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $12.00 to $15 00 per 100 lbs.

ARBUTUS FLOWERS now in full bloom; send for a sample bunch or more. Large bunches only 15 cents; quick sellers.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS
HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES
Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.
Dagger and Fancy Ferns, $1.50 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.
A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.
Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE. **BOSTON, MASS.**

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THE KERVAN CO. 113 WEST 28th STREET NEW YORK
WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Moss.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

WIRED TOOTHPICKS
10,000, $1.75; 50,000, $7.50
Manufactured by
W. J. COWEE, Berlin, N. Y.
Samples free. For sale by dealers
Please mention the Exchange when writing.

New Crop Ferns
FANCY and DAGGER
Now ready for shipment.
Price, $1.25 per 1000
CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA
Please mention the Exchange when writing.

TIME IS MONEY Save half the time greening your designs by using Florist Greening Pins. 20c. per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c. per lb. Write for prices on larger quantities.
WM. J. SCHLATTER & SON, 422 Main Street SPRINGFIELD, MASS
Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLD GUARANTEEY
LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.
Please mention the Exchange when writing.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire
IGOE BROTHERS
Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes
63-71 Metropolitan Ave., BROOKLYN, N. Y.
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MICHIGAN CUTFLOWER EXCHANGE, Inc.
Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.
Please mention the Exchange when writing.

USE KRICK'S
Perfect Handles and Hangers
Just the thing for Easter.
When crowded for space will sustain the weight of 100 pounds.
Sample and prices on request.
CHAS. A. KRICK
1164-66 GREENE AVE., BROOKLYN, N. Y.
Please mention the Exchange when writing.

"FLORISTS' FAVORITE" CUT FLOWER BOXES
Very Neat Manilla Boxes—White Inside
All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.25	28x8x4	$4.50
18x5x3	2.25	30x5x3½	3.75
24x8x3½	3.00	36x6x5	6.50
21x7x3½	3.25		

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.50
18x18x8	9.00	36x10x6	10.00
20x20x8	10.00	30x12x7	8.50
24x24x8	12.00	28x12x4	6.50
24x18x8, Pillow Box			12.00
20x15x8, Pillow Box			10.00

10 per cent. discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.
Box 205 CASTORLAND, N. Y.
New York Office, 20 East 42nd Street
Please mention the Exchange when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.
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GARDENIAS

Grandiflora (Cape Jasmines)
300,000
Ready for shipment by May 12

We guarantee our stock to arrive in good condition, or money cheerfully refunded.

With our increased acreage of young, thrifty, and vigorous bushes, we now have, perhaps, the largest field in Texas, and we can assure you that your orders, whether large or small, will have prompt attention.

Write or wire us your wants and we will do the rest.

PRICES	Per 100	Per 1000
Class X, 12 to 18-in. stems	$1.50	$13.00
Class A, 8 to 12-in. stems	1.00	8.50

Money in advance or C. O. D. We get general special rates.

STEVENS & HELLER
ALVIN, TEXAS
(Successors to W. A. DENNIS) Reference: Alvin Citizens' Bank
Please mention the Exchange when writing.

This New Book Free

It contains several interior views of recently equipped Flower Shops that are of vital interest to every progressive Retail Florist. It also shows reproductions of letters from successful Florists who have used

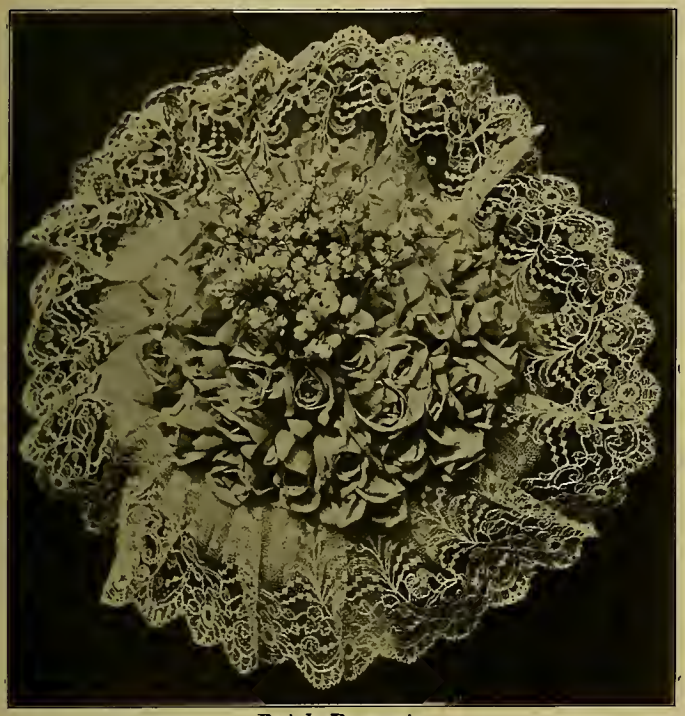
McCray Refrigerators

for many years. The distinctive thing about these Refrigerators is that the ice capacity is scientifically determined so that just the right temperature is maintained. The McCray System saves money because it saves ice and saves flowers, and *besides this* brings in new trade on account of its attractive appearance.

Write while you think of it for this new book—Ask for catalog No. 72.

McCray Refrigerator Co., 167 Lake Street, Kendallville, Ind.

Please mention the Exchange when writing.



Dutch Bouquet
Composed of Pink Killarney Roses and Lily of the Valley, with Lace Cover

Dayton (O.) Florists' Club

With tables laden with the prettiest flowers of the season the second annual banquet of the Dayton Florists' Club was held at the Phillips House on the evening of April 15. H. H. Ritter, the president, sat at the head of the table and everyone enjoyed an excellent menu. Quite a number of informal addresses were delivered, all tending to cement the ties that even now bind in friendship the members of the Dayton Florists' Club. The following were present at the banquet: Mr. and Mrs. John Broehmer, Mr. and Mrs. George Bartholomew, Mr. and Mrs. J. F. Young, Mr. and Mrs. Horace Frank, Mr. and Mrs. F. Mittman, Mr. and Mrs. F. Hasche, Mr. and Mrs. A. E. Schmidt, Miss Bertha Hendricks, Miss Ruby Bartholomew, Miss Catherine Young, A. Bartholomew, Fred Noon, Joseph Furst, C. M. Schaefer and the president, H. H. Ritter.

Connecticut Horticultural Society

Rose Night was observed by our Society, April 22, at the Hartford headquarters, with the president, John F. Huss, in the chair.

It was decided to make the next meeting night, May 13, Fertilizer Night, for a general discussion concerning the important question of soil fertilization, and especially to listen to an address by Prof. John J. Ruegg, president of the Lava Co. of America, of Passaic, N. J., who expects to be with us on that evening.

The absence of any Roses on our exhibition table was more than compensated for by the delivery of an able and eloquent address by Howard A. Pinney, one of John Coombs' valuable assistants, on the subject of "The Rose." Paying a high tribute to the skill of American Rose growers, Mr. Pinney briefly described the various leading classes of Roses, and gave useful hints on their culture. The soil cannot be too good or too rich for Roses, he said. The liberal use of water produces marvellous effects. Rose gardens have their place, but it is not in front door yards. They should be planted in groups or masses, for the best effect. Budded plants are the most satisfactory; though own-root plants will be insisted upon by some, whose wishes should be respected.

Faulty pruning, he believed to be a great evil in Rose growing; and the seller often has to take the blame. If pruned back to two or three buds at planting time, and each year thereafter to the same extent, less disappointment would ensue.

Rugosa Roses, of Japanese origin, are, in his opinion, the Rose for the millions, and are really shrubs, and of extra hardy constitutions.

Climbing Roses rank next in value, quickly transforming unattractive views into delightful pictures. Crimson Rambler, Dorothy Perkins, Lady Gay and Farquhar, were especially praised as possessing the highest merit; and Hiawatha, one of the most remarkable yet introduced, will undoubtedly become the greatest favorite of them all; he denominated it "a grand new Rose of the highest quality."

Hybrid perpetuals are valued more than any other. Jacqueminot, Marshall P. Wilder, Mrs. John Laing (almost perpetual), Frau Karl Druschki (best hardy white), Paul Neyron (admirable pink), Ulrich Brunner (very valuable for cutting), Earl of Dufferin, and American Beauty, are among the most desirable of this class of Roses.

The dwarf Polyantha Roses have marked a new era in Rose culture, being quite hardy and free blooming, and ideal as bedding plants.

In closing his address, Mr. Pinney said that "the Rose is the flower for the masses, and its culture in a general way will be for the good of all mankind."

In a discussion that followed, President Huss told of his trial of a blue Rose, which has not yet bloomed; and he advocated Fall planting for Roses.

GEORGE W. SMITH,
Secretary.

The Hamilton-McAlpine Wedding Decorations

At the wedding of Miss Adelaide McAlpine, daughter of W. W. McAlpine, 11 East 90th st., to Thomas Edward Hamilton, son of Col. Hamilton of Baltimore, Md., April 21, in the Madison ave. Presbyterian Church, 73d st., New York, the decorations were furnished by M. Bowe, 1224 Broadway.

The color scheme was pink and white, carried out with Spring flowers. The entire front of the auditorium of the church was banked with boughs of Dogwood, Apple, Almond, and Lilac blooms, with pink Hydrangeas, and Daisies interspersed. The altars were overhung with boughs of Apple and Almond blooms arranged on standards. At the entrance to every alternate pew was placed a bunch of Lilies. The decorations were admirably adapted to a Spring wedding and were skillfully grouped and arranged. The bride's bouquet was of Gardenias and Lily of the Valley showered with white baby ribbon. The bridesmaids carried bouquets of Sunrise Roses showered with Lily of the Valley, while the maids of honor held bouquets, one of shell pink and the other lavender Sweet Peas.

REED & KELLER 122 W. 25th Street NEW YORK

We Manufacture Our Own . . **FLORISTS' SUPPLIES** Metals, Wire Work and Basket Work

Please mention the Exchange when writing.

E. A. BEAVEN
EVERGREEN, ALA.
LOG MOSSES
Naturel and perpetuated. Orders booked now for future delivery.
Please mention the Exchange when writing.

WE MANUFACTURE
ICE BOXES The Latest Improved
Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.
Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK
'Phone 4254 Madison Square
Please mention the Exchange when writing.

Orders by Telegraph
For twenty-five cents, cash, we will forward you a handsomely printed card, worth framing, which you can hang in a conspicuous part of your store, to let your customers know you "fill orders for flowers, plants or floral designs to any point" by telegraph.
A copy of Arnold's Florist's Code, price $2.50, will give you a key for the cipher transmission of orders to any of the advertisers in our "Directory of Reliable Retail Houses." All for sale by
The Florists' Exchange
No. 2 Duane St., N. Y.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

Another Shipment of Bay Trees At AUCTION

Both Standards and Pyramids

TUESDAY NEXT, MAY 3rd
At 10.30 a. m. sharp

The Standards are from 24 to 72 inches in diameter of crown——The Pyramids from 7 to 9 feet in height, all in the most perfect condition

Also, a shipment of Phoenix Canariensis, plants from 2½ to 7 feet in height, and in most perfect condition

Also, BEDDING PLANTS, ROSES, EVERGREENS, etc., etc.

THE FRUIT AUCTION Co.

Note the Day and Date

200-204 FRANKLIN ST., NEW YORK Horticultural Department J. P. CLEARY, Manager

Terms Cash

Please mention the Exchange when writing.

WE call special attention to our large stock of **FERNS,** in all the leading varieties. We particularly mention **NEPHROLEPIS SCHOLZELI** and **NEPHROLEPIS COMPACTA,** both of which are exceptionally fine varieties for growing on.

Neph. Scholzeli
2¼-in. pots, strong plants..$8.00 per 100; $75.00 per 1000
4-in. pots, strong plants..$25.00 per 100; $225.00 per 1000

Neph. Scottii
2¼-in. pots, strong plants..$5.00 per 100; $45.00 per 1000
4-in. pots, strong plants..$15.00 per 100; $120.00 per 1000
5-in. pots, strong plants....$5.00 per doz.; $40.00 per 100
6-in. pots, strong plants....$6.00 per doz.; $45.00 per 100
7-in. pots, strong plants....$9.00 per doz.; $65.00 per 100
8-in. pans, strong plants...$12.00 per doz.; $90.00 per 100
10-in. pans, strong plants.....$24.00 per doz.

Neph. Todeaoides
4-in. pots .....$20.00 per 100
8-in. pans .....$12.00 per doz.
11-in. tubs, very handsome .....$36.00 per doz.

Neph. Whitmani
9-in. pots .....$18.00 and $24.00 per doz.

Neph. Amerpohlii
2¼-in. pots .....$6.00 per 100
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.

Neph. Bostoniensis
11-in. tubs .....$3.00, $3.50 and $4.00 each

Neph. Compacta
2¼-in. pots, strong plants..$15.00 per 100; $125.00 per 1000

Crotons
4-in., well colored .....$25.00 per 100
5-in., well colored .....$50.00 and $75.00 per 100
6-in., well colored .....$9.00, $12.00 and $15.00 per doz.
Well colored specimens at $1.50, $2.00, $2.50, $3.00, $3.50 and $4.00 each.

Ficus Pandurata, at $2.00, $3.00, $4.00 and $5.00 each
(Branch), at .....$2.50, $3.00, $4.00 and $5.00 each

Queen Alexandra Daisy
Strong plants, exceptionally will flowered, just the thing for window boxes and vases, at $5.00 and $6.00 per doz.

Pandanus Veitchii
Beautifully colored .....50c. each; $40.00 per 100

Cyclamen.
We are the largest growers of Cyclamen in America. The stock offered this year is the very highest quality.
2½-in. pots, very strong....$8.00 per 100; $75.00 per 1000
3-in. pots, very strong.....$10.00 per 100; $90.00 per 1000
This stock is much heavier than is generally offered in the above sized pots and will make specimen plants for Christmas sales.

Gardenia Veitchii
2¼-in. pots .....$8.00 per 100; $75.00 per 1000
5-in. pots .....$5.00 per doz.; $35.00 per 100
6-in. pots .....$6.00 per doz.

Standard Baby Ramblers, Crimson, very strong, $1.25 each.
Standard Baby Ramblers, White, very strong, $1.25 each.

ROBERT CRAIG COMPANY, 4900 Market Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

CHRYSANTHEMUM CUTTINGS

Now booking orders for early delivery

WHITE	Per 100	Per 1000
Oct. Frost	$2.00	$15.00
Kalb	2.00	15.00
V. Poehlmann	2.50	20.00
Tonset	2.00	15.00
A. Byron	2.00	15.00
Wanamaker	2.00	15.00
White Cloud	2.00	15.00

WHITE	Per 100	Per 1000
T. Eaton	$2.50	$20.00
Chadwick	2.50	20.00
Nonin	2.00	15.00

PINK		
Balfour	2.00	15.00
Enguehard	2.00	15.00

YELLOW	Per 100	Per 1000
Golden Glow	$2.00	$15.00
Monrovia	2.00	15.00
Oct. Sunshine	2.00	15.00
Appleton	2.00	15.00
Y. Eaton	2.50	20.00
Golden Chadwick	3.00	25.00
Halliday	2.00	15.00
Bonnaffon	2.00	15.00

J. D. THOMPSON CARNATION CO., Joliet, Ill.

Please mention the Exchange when writing.

ROSES FROM 2½-INCH POTS

Fine, Clean, Strong, Well-Rooted Stock

	100	1000
My Maryland	$6.00	$50.00
Chatenay	3.00	25.00
Bridesmaid	3.00	25.00
Uncle John	4.00	35.00
Ivory	4 00	35.00

	100	1000
American Beauty	$6.00	$50.00
Perles	4.00	35.00
Richmond	3.00	25.00
Brides	3.00	25.00

PETER REINBERG, 35 Randolph Street CHICAGO

Please mention the Exchange when writing.

Newport, R. I.

By the death of Alexander O'Driscoll Taylor, which took place at his residence in Newport, on Sunday, April 10, the Newport Horticultural Society lost one of its staunchest friends; one who, although not a member of the Society, was ever at its service, and in his official capacity as the president of the Natural History Society was able to bring about the co-operation of that body in whatever this Society undertook, particularly in regards to whatever was done to save the city's beautiful trees. In fact, just one week before his death, through his efforts Prof. E. A. Stone of the Kingston Agricultural College was secured to give a lecture on some of the tree insect pests which have been doing so much damage of late. As State Commissioner of Birds for Newport County he did good work. Mr. Taylor was a native of Cork, Ireland, born of Scotch parents, and was in his 79th year. The greater part of his life was spent in this country, having been engaged in the real estate and insurance business here since 1887. He was both a scholar and a gentleman. His funeral took place from the Channing Memorial Church on Thursday, April 14, and was attended by many members of the craft, and the Horticultural Society showed its respect by sending a wreath.

How to secure efficient help seems to be the leading question, not only with the florists and gardeners but with the nurserymen as well. And the employees seeing their chance have called a meeting for Sunday, when it is proposed to form a union and rumor has it that a demand is to be made for an increase of wages, so that they may be enabled to pay for the increase in the cost of living.

Mrs. Brandt, wife of florist Arendt Brandt, is seriously ill at her home on Van Zandt ave. ALEX. MACL.

Milwaukee

After enjoying Spring weather since March 1 all outdoor growths being advanced about a month over last season, a blizzard as bad as any we have had during the Winter overtook us and did immense damage to all outside stock. The heaviest loss will fall on the small fruit growers, as this crop, including Apples, Peaches, Plums and Pears, will be almost a total loss. About two feet of snow was registered in some localities, and the thermometer went down, varying from 23° to 26°. The early Peonies were all frozen, also all foliage on trees and shrubs was nipped badly, and if these do recover they will look badly all Summer.

Some growers had Carnations set out, and as these were completely covered with snow, it will be hard to say what damage was done to them until it clears away; perhaps the snow may have protected them enough to save them.

The cut flower market took a sharp turn and, as crops are off with most growers, stock shortened up and Carnations were quite scarce, the price doubling up the past few days. Roses are about equal to demand, with some advance in price. Lilacs and Tulips were coming in, but the cold weather ruined them. The loss to the florist will probably be made up again by increased sales of bedding stock, and it is expected the demand will be heavy and prices will rule firm and some items advance.

The Florists' Club will give a May party next month.

The Outdoor Art Association has selected several florists to act as judges in the contest for beautifying back yards, in which there are many entries this year. C. C. P.

Lexington, Ky.

Business for the past month has been satisfactory; orders for funeral work were heavy. Good Roses retail for $1.50 per doz.; Carnations at 75c. per doz. Both stocks are plentiful. Some few Violets are still being cut, and retail for 75c. to $1.00 per doz. Bulbous stock is still to be had, but the supply is about exhausted. Sweet Peas are good, but there is not much call for them, except for funeral work. They sell for 75c. and $1 per 100.

We all hope there will be a good demand for Mothers' Day this year.

A. L. YOUNG & CO., 54 West 28th St., NEW YORK
Telephone, 3559 Madison Square
WHOLESALE FLORISTS Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial
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GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager Consignments Solicited
39 West 28th Street, Telephone 6237 Madison Square NEW YORK

VIOLETS are over; but we have very fine **PEAS** in the best varieties, **pink, white, lavender** and **flesh-colored; SPANISH IRIS, blue, white** and **yellow**; also **THE BEST IN ROSES, CARNATIONS, GARDENIAS, BEAUTIES, VALLEY** and all other stock as usual.

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WHOLESALE FLORISTS
51 WEST 28th STREET
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Phones 325-5582-5583 Madison Sq.

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NEW YORK, April 27.—Owing to a dark Sunday, the cut of flowers arriving Monday was curtailed somewhat, and on Monday and Tuesday sales were moderately good. On Wednesday a large cut of flowers came on the market, not only the staple goods but especially all Spring flowers, such as Lilacs, double flowering Cherry, and others in great variety. Sales are only moderately brisk and it is difficult to maintain prices of last week. American Beauty Roses, specials, realize 25c. each, but, except in the case of the very best, most sales are around the 20c. mark. Top grade Killarney are selling for 8c. each, and My Maryland and Richmond for 10c. each, but this is mostly in smaller sales, while in larger sales 6c. and 8c. respectively are the prevailing figures. With Bride and Bridesmaid 5c. each is about high water mark for the best.

Carnations, best grades, realize 3c. each in some cases, but most sales are at 2c. each for good stock.

Gardenias are abundant and prices low. The best grade hardly realize $2 per dozen, and from that down to ridiculously low prices. Orchids are abundant and for best grade Cattleyas 50c. each is the top notch price.

Lilies are coming in more plentifully, and the price is low; a few of the best grade bring 6c. each, and Callas 8c. each.

Sweet Peas are again more abundant and 75c. per dozen bunches is the best price. The miscellaneous Spring stock is moving fairly well but at low prices, and tends to shorten sales of staple stock and lower prices. The indications to-day are for a falling rather than a rising market.

PHILADELPHIA, April 25.—Saturday night the market was well cleaned up. On Monday the market was slow; owing to a rainy Sunday the cut of flowers was somewhat short. This helped matters and prevented a downfall in prices. Spring flowers of many kinds now are meeting with a ready sale and tend to keep down the prices of staple flowers such as Roses and Carnations. Outdoor Lilac, purple and white, of good quality, is in abundance and sells well. Gladiolus America and some other varieties are now in the market. The demand for Sweet Peas is strong, the supply rather short, and prices firm. The supply of Lily of the Valley is short and the price has advanced.

There is only a fair supply of American Beauty Roses, but specials are selling for $3 per dozen. Best grade Killarney and My Maryland realize 10c. each, and a few fancy Bride and Bridesmaid are moving at the same price, but most sales of the last two, and also of Kaiserin are at a lower figure even for top grade. Some fancy Richmond and Mrs. Jardine have changed hands at 15c., but most sales for best grade are around the 10c. mark.

The top price on Lilies and Callas is 10c. each, though the supply is not very abundant. Lily of the Valley, top grade, has reached the $5 per 100 mark, but most transactions are on a $2 to $4 basis.

In Orchids the supply is sufficient, and the best grade Cattleyas are selling at 50c.

Some extra choice Gardenias are realizing $3 per dozen in a few cases, but most sales are from $2 down.

About 3c. each is the best price for fancy Carnations, though a few sales are made at 4c. for very choice stock.

The best grade Sweet Peas sell easily at $1 per 100. Miscellaneous Spring stock is moving well at fair prices.

On the whole the present condition of the market shows little change from last week, but, if any it is not for the worse.

CHICAGO, April 26.—There has since the last writing been an unlooked for change in market conditions. Perhaps never before have the growers and wholesalers experienced the situation of today. With every outdoor flower destroyed by frost fear of the usual glut of outdoor stock is banished. Of course, this means a harvest for the growers of indoor stock. It is hoped that in regard to Peonies things may not be so serious as was at first anticipated, and that some of the local stock may have withstood the tempest. Of course, with the dark, stormy weather of the past five days stock indoors has also shortened decidedly, and prices in all lines have stiffened. Fortunately, there is not a very great demand for flowers at the present time, with the exception of stock for funeral work.

American Beauty Roses in the best grades are holding their own at $3 to $4 per dozen, other grades according to quality. Killarney is commanding $8 per 100, and exceptionally fine flowers $10. Best Bride and Bridesmaid are moving well at from $6 to $8 per 100. Richmond is on the same plane as Killarney. All other Tea Roses are commanding a fair price and are in good demand.

Carnations have shortened up very much and prices have advanced on all sorts. It is almost impossible to purchase any kind of stock under $2 per 100, and all good grades bring $3 easily.

Lilies have also shortened in supply, more so than desired. Harrisii brings $12 per 100; Callas as high as $15 per 100 for the best. Lily of the Valley is not over abundant and is very much in demand at from $3 to $4 per 100.

There are still a few Tulips to be had, such as are left of indoor stock, a few Jonquils also. Stocks are not seen in such profusion as for some weeks past. Daisies are in good crop and sell at $1 per 100. An exceptional quality of Iris is obtainable, commanding from $4 to $6 per 100. Sweet Peas have taken another stride with the departure of the many different flowers; extra fancy blooms are selling at $2 per 100, inferior grades from 75c. to $1.25.

With the cold weather a few Violets have come in; while of good color the quality is not very dependable as the flowers fall very quickly and no price is quoted. Pansies, Snapdragons, Forget-me-Nots, Mignonette and Candytuft have attracted attention in the past few days. Cattleyas are unusually scarce and are bringing from $6 to $9 per dozen. Gardenias are plentiful.

Green stock, with the exception of Ferns is everything one could desire, and moves nicely.

ST. LOUIS, April 25.—The cold weather, with snow and rain and winds, was anything but good for the cut flower and plant business among the local florists, and about the only business done was work for funerals. Outside of Thursday, when the opening of the Baseball season made things lively for us, very little of anything else was going on among the florists all over the city. Consignments last week were quite heavy and stock in all grades very plentiful, with signs displayed among the downtown florists reading "Roses and Carnations, 25c. per doz."

The quality of the stock coming in is very good, but the commission men say that quantity compelled them to sell at cheap prices in order to dispose of the consignments.

The best in Roses did not bring over $6 per 100; long American Beauty went at $3 and some at $2.50 per doz. Carnations hardly brought over $2 per 100, and in large lots $1 to $1.50.

Lilies are cheap; Harrisii do not bring over $6 to $8 per 100; Callas, the same. All the light shades sell well, as funeral work was heavy and other work in which colored flowers could be used was slow. The weather this Monday, April 25, promises warmer for this week.

ST. PATRICK.

INDIANAPOLIS, April 25.—The past week has been featured by some of the most unseasonable weather. Freezes and heavy frosts have destroyed a quantity of outdoor stock which was of much commercial value. Early Peonies, the growers say, look as if they were scalded, as do Snowballs and various other garden flowers.

Unusual quantities of funeral work have been distributed among the several retailers and no kind of flower is left to waste. Counter trade, too, is moving briskly on, and requests the choicest blossoms obtainable each day.

Prices, generally speaking, have had an upward tendency, as there is so little being produced at present.

Carnations are readily accepted at $3 to $3.50 per 100 for the choicer grades, and $2 to $2.50 for medium; 75c. per doz. is the prevailing retail figure. A number of calls are received for Harrisii Lilies and Callas at $10 to $12.50. A few L. auratums are also on hand at the same price. Lily of the Valley are clearing out better than at any other time this Spring at $4 per 100 wholesale; $1 per doz. retail.

The best Killarney and Richmond Roses are being shipped in at $7 to $8 per 100. Fine Am. Beauty are also received at $5 to $25 per 100. Fancy home grown Bride and Bridesmaid Roses bring $8 per 100; shorts, $2 to $3. A few of the Summer Roses are offered at reduced rates.

Violets will soon be gone as the Eastern supply arrives in an indifferent condition. Sweet Peas sell better at 60c. to 75c. per 100 wholesale; double that at retail.

Waiting on retail trade in the plant line just now is anything but a pleasure as there is so little to offer which will prove satisfactory.

I. B.

BOSTON, April 26.—The market of this week has not been quite as satisfactory as it was last, but on the whole business is not too bad when other things are taken into consideration. The weather has been exceptionally good, cool with showers. There is an abundance of outdoor flowers, such as Tulips and Narcissi and some of the material in the market is of this kind and cuts into the regular flower trade.

Spanish Irises are becoming more plentiful and are producing good prices. Gladiolus Blushing Bride is coming to the market this week in goodly quantities and so is Gladiolus America, both of which are picked up quickly at good prices. Yellow Daisies are quite plentiful and seem to be quite favorites.

Roses are plentiful and prices have dropped somewhat. Those grown in cold houses are prominent now, such as Kaiserin, American Beauty, Carnot, and Richmond, and they are in better demand than those grown in higher temperatures.

Carnations are not more plentiful than they were two weeks ago and some of them are not as good in color. The quality of the flowers is good, owing mostly to the cool weather.

Sweet Peas are not as good as they have been, but are quite plentiful. The principal Orchid in quantity in the market is Cattleya Mossiæ, which brings good prices.

Bulbous stock is very plentiful and down in price. Lilium candidum is still plentiful and of good quality. Antirrhinums in various shades are abundant and considerably lower in price; those in distinct colors, pinks and yellows, are the favorites.

Pansies, Primroses and Mignonette are in abundance and sell fairly well. Geraniums in pots are in good demand now at the stores.

R. C.

A Regular Hummer

Two boys, friends of Darwin, thought they would play a joke on him. They caught a butterfly, a grasshopper, a beetle and centipede, and out of these they made a strange insect. They took the centipede's body, the butterfly's wings, the grasshopper's legs and the beetle's body, and they glued them together carefully. Then with their new bug in a box they knocked at Darwin's door. "We caught this bug in a field," they said; "can you tell us what kind it is, sir?" Darwin looked at the bug and then at the boys; he smiled slightly. "Did it hum when you caught it?" he asked. "Yes," they answered, nudging one another. "Then," said Darwin, "it is a hum-bug."—*Scottish American.*

Experiments with African Cactus at the botanical greenhouse of the University of Pennsylvania have demonstrated that that plant will grow in the deserts of Arizona and southern California and will yield enough rubber to make its cultivation pay, says a local paper.

READING, PA.—The P. & R. R. R. florists will soon start distributing 200,000 plants of various kinds, all of which have been raised in the company's hot houses at Wayne Junction, near Philadelphia. About 200 stations are supplied each year.

J. K. ALLEN
WHOLESALE COMMISSION FLORIST
106 W. 28th St., New York

I have room to handle more consignments to advantage, of **Roses, Carnations, Violets, Valley, Tulips** and other stock. Highest prices. Prompt returns. Give me a trial. Your correspondence appreciated.

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BUILDING COMING DOWN

TRAENDLY & SCHENCK

GOING UP

MAY 2nd TO

131 and 133 WEST 28th STREET, NEW YORK CITY

Where our increased facilities will enable us to handle any quantities of good stock to excellent advantage.

TELEPHONES 798 and 799 MADISON SQUARE

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Providence, R. I.

Eugene McCarron has a large landscape contract on hand, laying out and planting shrubbery on the Nichols estate. He is keeping a large force of men constantly in his employ looking after planting and beautifying lawns in the best residential section of Providence.

Swan Peterson is kept busy with funeral work.

Joshua Vose is getting ready to supply the Dahlia trade as soon as weather will permit planting.

Wm. Hay has leased a store, corner of Clements and Washington sts., for the sale of cut flowers grown on his place at Oaklawn. He has just received a carload of greenhouse material for the construction of a new Rose house, 300 by 60 ft., which is to be of iron framework.

Anna F. Peckham, Carpenter st., reports business as having been very good thus far this Spring.

Wm. Hoffman of Pawtucket says the past week was the best he has ever had in the florist business. The total number of floral designs made last week was 125. For one funeral he made 27 floral pieces. He has a large stock of Geraniums and other bedding plants which will be ready for Decoration Day. At present he has a large force of men engaged in landscape work.

The Florists' Club of Providence held its monthly meeting on Monday evening, April 18. No business of great importance was transacted, but at the close of the meeting Robert Johnston surprised the members by inviting them up to his house for dinner. There were about a dozen members present, who partook of the generous layout the host had provided. After dinner the guests departed for their homes, all proclaiming that Mr. Johnston was the highest trump in the pack.

Mr. Greenlaw, representing W. F. McCarthy & Co., of Boston was in Providence on Monday last calling on the trade.

Geo. Johnson & Son report, through Mr. Sharkey, manager of Elmwood Nurseries, that their business has been very good thus far this season. They recently planted a large lot of Maples on Comstock ave. They have 65 men in their employ and are using five teams.

F. Macrea & Sons will be in a position soon to have Lilies for twelve months in the year. They are completing a cold storage system, for keeping Lilium giganteum for use at all seasons. They say business is very good. They are cutting plenty of Carnations, etc., but expect to be off crop for Memorial Day.

The Market

J. Kopelman & Co., report business very good. Wholesale prices range as follows: Carnations, from $1 to $2 per 100. Roses, My Maryland, Bridesmaid, Killarney, and Brides, $1 to $8 per 100. Marguerites, $1 to $2 per 100. Sweet Peas, 50c. to $1 per 100. Callas, 75c. to $1 per doz. Lily of the Valley, 3c. to 4c. Asparagus, 25c. to 50c. per bunch. Cut Pansies, 50c. per 100. Daffodils, $1 to $3 per 100.

Noonan Bros. are very busy supplying Pansies to Providence Public Market. W. S. Pino, Shepard Co., and several other leading florists of Providence. They have a fine assortment and exceptionally large blooms.

Wm. Hay is bringing in some very nice Roses grown at his new plant at Oaklawn.

Johnston Bros., Dorrance st., recently received an importation of Palms and Bay trees, which came through in fine condition. H. C. N.

Hall & Lyon, department store proprietors here, gave away 3000 cut Roses last Saturday, as souvenirs of the fifteenth anniversary of their opening.

George Kelly reports business as extra good in landscape work, of which he does a great deal in connection with his greenhouse trade.

George W. Williams, the treasurer of W. E. Barrett Co., died at his home on Sunday. Mr. Williams was very well and favorably known by all the veteran florists, gardeners and farmers of Rhode Island, as the Barrett store was the only agricultural and seed store in Providence County 40 years ago, when it was run by Burdick & Barrett.

Owing to a decided change in temperature, cool and cloudy weather, first-class stock is not overplentiful, but there is no scarcity of anything in this market. There was a good steady business all the past week owing to several weddings, social functions, and a good demand for funeral cut flowers and designs.

G. A. J.

No wood will be more difficult to replace when the approaching shortage in the supply of hard woods overtakes us than the Hickory, one of the foresters in the employ of the Government recently said. The truth of this statement is not realized by anyone more than the practical men of the various trades whose future prosperity is measured by the available supply.—*Nut Notes.*

REMOVAL

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Now of 39 West 28th Street, will open in the new building

131 and 133 West 28th Street, New York

Between 6th and 7th Avenues

MONDAY, MAY 2nd

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A complete line of the best and leading varieties of Roses and Carnations. Everything seasonable in Cut Flowers

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PHILIP F. KESSLER Commission Dealer in Cut Flowers
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FINEST CALLAS AND LILIES EVERY DAY IN THE YEAR
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Wholesale Prices of Cut Flowers, New York, April 27th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	15.00 to 25.00
" extra	8.00 to 10.00
" No. 1	6.00 to 8.00
" No. 2	3.00 to 5.00
" No. 3	2.00 to 3.00
Killarney	.75 to 8.00
White Killarney	.75 to 8.00
My Maryland	1.00 to 10.00
Richmond	1.00 to 10.00
Mme. Abel Chatenay	.... to ....
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	3.00 to 5.00
" extra	2.00 to 3.00
" No. 1	.75 to 1.00
" No. 2	.... to ....
Adiantum	.... to 1.00
Crowsanum	.... to 1.00
Antirrhinum (per bunch)	.50 to 1.50
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.15 to .25
Sprengeri, bunches	.15 to .25
Bouvardia	.... to ....
Callas	4.00 to 8.00
Daffodils	.50 to 2.00
Daisies	.50 to 1.50
Ferns, per 1000	1.50 to 2.00
	.... to ....
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.75 to 1.00
Standard Varieties: White	1.00 to 1.50
Standard Varieties: Pinks	1.00 to 1.50
Standard Varieties: Red	1.00 to 1.50
Standard Varieties: Yel. & Var.	1.00 to 1.50
Fancy (The highest grades of Sta'd varieties): White	2.00 to 3.00
*Fancy: Pinks	2.00 to 3.00
*Fancy: Red	2.00 to 3.00
*Fancy: Yel. & Var.	2.00 to 3.00
Novelties	.... to ....
Gardenias, per doz.	.50 to 1.50
Lilac, per bunch	.15 to .25
Lilies, Harrisii and Longi.	1.00 to 5.00
Lily of the Valley	1.00 to 3.00
Mignonette, per doz.	.25 to .50
Narcissus	.50 to 1.00
Orchids, Cattleyas	40.00 to 50.00
Cypripediums, per doz.	.... to ....
Dendrobium Formosum	.... to ....
Pansies, per doz. bunches	.25 to .50
Poinsettias per doz.	.... to ....
Hyacinths	.50 to 1.00
Smilax (per doz. strings)	1.50 to 2.00
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.25 to .75
Tulips	1.00 to 3.00
Violets, single	.... to ....
" double	.... to ....
	.... to ....

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ALL VARIETIES OF CUT FLOWERS IN SEASON

TOP GRADE FOR SHIPPING
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55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

New York

Wm. Elliott & Sons held, last Tuesday, the most satisfactory sale of nursery stock and bedding plants so far this season. The principal feature of the sale was, naturally, bedding plants, and the prices brought for Geraniums, Pansies, and similar stock were excellent. The attendance was very large. Besides bedding plants, Roses and a good line of ornamental stock were disposed of. These auction sales will continue every Tuesday and Friday for the balance of the season.

The Fruit Auction Co. last Tuesday held another special sale of Bay trees. Shrubs, conifers, Roses and bedding plants were also offered. The prices obtained were good all through, as the stock in all lines was of most excellent quality. The Bay trees, particularly, were very shapely and well grown and included both standard and pyramids for which the demand was especially brisk.

Kessler Bros., 50 West 28th st., are offering plants of the new unnamed dwarf sport of the Boston Fern, which recently received a certificate of merit from the New York Florists' Club.

Walter F. Sheridan, 59 West 28th st., and Traendly & Schenck, 44 West 28th st., are moving out of their present quarters, and expect to be established on Monday, May 2, in their new quarters at 131-133 West 28th st., between Sixth and Seventh aves. George Saltford, 43 West 28th st., will leave his present quarters July 15, and occupy others at 129 West 28th st.

The Star Florists Co., 65 West 14th st., is moving into temporary quarters at 199 Sixth ave. A new building will be erected at 65 West 14th st., and the company will occupy quarters at that number about Sept. 1 next.

At Harry Lewy's, 784 Sixth ave., there was noticeable recently an attractive and artistic window display consisting of a moss-covered tree stump trimmed with Cattleya Mossiæ, Lily of the Valley and Farleyense Ferns, with boughs of the double flowering Cherry for a background. Originality in ideas was shown in the arrangement.

W. Harff is trying the potted plant business at 180 Sixth ave.

B. S. Slinn, Jr., Coogan Building, West 26th st. is receiving some very fine Sweet Peas.

A. Bowe, 1294 Broadway, has been very busy of late with funeral work, wedding decorations, and decorations for social functions.

A meeting of the stockholders of the N. Y. Cut Flower Exchange was held at the Coogan Building, 26th st. on Saturday morning, April 23. President John Donaldson was in the chair. He stated that the purpose of the meeting was to appoint a committee to confer with other committees and with New York authorities in regard to the proposed Plant and Flower market under Queensboro Bridge. He further remarked that the Exchange should be kept intact, that the Exchange had a four years' lease on its present quarters, and that the space under the bridge would probably not be ready for perhaps twelve months. Mr. Burns moved that a committee be appointed with power, and to report two weeks from date. The motion was unanimously passed. P. Beurlein moved that a committee of five be appointed and the motion prevailed. The chair appointed Messrs. Einsmann, Leach, Dorval, Burns and Beckman. The petition to the Hon. Wm. A. Prendergast, Controller of the city of New York, requesting that the space under Queensboro Bridge be set aside as a permanent flower and plant market received sixteen additional signatures. About forty stockholders were present.

The petition to the Controller of the city of New York referred to in the above item has already been handed in. The joint committees are expected to meet next week and to report at the next meeting of the New York Florists' Club.

There is a rumor that a large block of property on West 28th st., where several of the wholesale florists have quarters, may soon be sold, and that on a sixty days' notice the florists may have to move out.

It is remarked everywhere among the large retailers that the sailings for Europe among their customers is earlier than ever before, and the season for business is becoming shorter each year.

The greenhouse property at 140th st. and Riverside Drive, New York City, was sold at auction on Tuesday, April 26,

Headquarters in Western New York

For Roses, Carnations,

And all kinds of Seasonable Flowers

WM. F. KASTING CO.

Wholesale Commission Florists

Dealers in Florists' Supplies and Wire designs

383-87 Ellicott St., BUFFALO, N.Y.

Give us a trial—We can please you

Please mention the Exchange when writing.

by the Fruit Auction Co. for $495. The name of the purchaser was not disclosed.

Charles Weber of Lynbrook may now be seen coming into town in a big touring car. He says those who saw Carnation Brooklyn at his place last Winter should see it now in its grand beauty.

E. C. Reineman, wife and daughter, of Pittsburgh, were in the city Friday en route for Europe, and sailed on Saturday, taking the S. S. Lapland to Antwerp. They will travel through Belgium, Holland, Germany and France. Mr. Reineman expects to see the Haarlem show toward its close and will also visit the Brussels exhibition. Several weeks will be spent in Marienbad, Germany, a delightful resort. Mr. Reineman expects to return early in August in time for the Rochester meeting of the S. A. F.

The Chicago Examiner says:

"The Chicago police were asked April 24 to search for William Schanley of Brooklyn, a wealthy florist and landscape gardener, who disappeared from his home April 13, and who is believed to have written a letter to his wife a few days later, in which he said he had been kidnapped and drugged by two men who were taking him West. The letter received by Mrs. Schanley was written on one of her husband's bill heads. He is thirty-five years old, weighs 150 pounds, has dark brown hair, gray eyes, and is about five feet six inches tall."

Hanges & Papagelis, florists at 258 West 116th st., have filed a petition in bankruptcy, with liabilities $4825 and assets $30 in accounts. Among the creditors are James Lales, $1326; Anthony Dimens, $1500, and Geo. Maganos of Boston $820.

Flatbush News

Peter Wagner, Midwood ave., has an interesting sport of Nephrolepis Scottii, which he has named Wagneri.

At Charles Zeller & Sons, Rutland rd., among many other well-grown seasonable plants is especially noticeable a house of remarkably well grown Geraniums, chiefly Doyle, Nutt, Barney and Poitevine, and a considerable block of Mme. Languth, with variegated foliage and double scarlet blooms, was remarkably attractive.

D. Y. Mellis, Holy Cross cemetery and Snyder ave., is exceedingly busy with cemetery work. Pansy setting is the order of the day.

C. E. Koch, C. Wocker, Peter Kemper and Louis Schmutz all have a seasonable line of plants and are pushing their preparations for market.

Charles Woerner, who went into business for himself last August, at 220 Clarkson st., says that his Callas grown in pots were a paying proposition, but next season he will try them in solid beds.

A. Demeusy, Clarkson st., has already a part of his young Carnation stock planted out. Varieties of Enchantress Victory and Mrs. M. A. Patten are grown here, and in fact seem to be favorite varieties among the Carnationists of this section. Victory seems to be more popular than Beacon, though a smaller proportion of good plants are obtained from the same number of rooted cuttings.

VIOLET CULTURE

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.,

2-8 Duane Street New York

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Apr. 25, 1910	Pittsburgh Apr. 27, 1910	NAMES AND VARIETIES	Boston Apr. 26, 1910	Detroit Apr. 24, 1910	Cincinnati Apr. 25, 1910
to 35.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	20.00 to 30.00	20.00 to 25.00	to 25.00
to 25.00	12.50 to 15.00	" extra	15.00 to 20.00	15.00 to 20.00	to
15.00 to 18.00	6.00 to 10.00	" No. 1	10.00 to 15.00	10.00 to 15.00	to
4.00 to 8.00	2.00 to 4.00	" No. 2	2.00 to 8.00	4.00 to 8.00	to 4.00
to	4.00 to 15.00	Killarney	2.00 to 8.00	to	2.00 to 8.00
to	4.00 to 15.00	White Killarney	2.00 to 8.00	to	2.00 to 8.00
to	3.00 to 10.00	My Maryland	2.00 to 8.00	3.00 to 8.00	4.00 to 6.00
4.00 to 8.00	4.00 to 12.00	Richmond	2.00 to 8.00	4.00 to 8.00	2.00 to 8.00
4.00 to 6.00	to	Perle	to	to	to
to	to	Golden Gate	to	to	to
4.00 to 6.00	2.00 to 10.00	K. A. Victoria	to	4.00 to 8.00	to
to 8.00	8.00 to 10.00	Bride, Maid, fancy—special	to 6.00	6.00 to 8.00	to 6.00
to 6.00	to 6.00	" extra	to	4.00 to 6.00	to
to 4.00	to 4.00	" No. 1	to	3.00 to 4.00	to
to 2.00	to 2.00	" No. 2	to 2.00	to	to 3.00
to 1.00	.75 to 1.25	Adiantum	1.00 to 1.50	1.00 to 1.50	to
to	to	Antirrhinum, (per bunch)	to	to	to
to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	to 50.00	30.00 to 50.00	to 10.00
to 30.00	20.00 to 30.00	" Sprengeri, bunches	to 50.00	30.00 to 50.00	to
to	to	Bouvardia	to	to	to
to 12.50	to 10.00	Callas	to	10.00 to 15.00	6.00 to 8.00
to	to	Chrysanthemums	to	to	to
to	1.50 to 2.00	Carnations—Inferior grades, all colors	to	to	to 2.00
to 2.00	to 2.00	Standard Varieties: White	1.00 to 2.50	1.50 to 2.00	to
to 2.00	to 2.00	Pink	1.00 to 2.50	1.50 to 2.00	to
to 2.00	to 2.00	Red	1.00 to 2.50	2.00 to 3.00	to
to 2.00	to 2.00	Yellow and var.	to	to	to
to 3.00	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	1.00 to 2.50	2.00 to 3.00	to 3.00
to 3.00	2.50 to 3.00	Pink	1.00 to 2.50	2.00 to 3.00	to
to 3.00	2.50 to 3.00	Red	1.00 to 2.50	3.00 to 4.00	to
to 3.00	2.50 to 3.00	Yellow and var.	to	to	to
to	1.00 to 1.50	Daffodils	.75 to 1.50	to 9.00	to
to .50	.75 to 2.00	Daisies	to	.50 to 1.00	to
to .25	to .20	Ferns, hardy	to	to .20	to
to	to	Freesia	to	to	to .20
to .20	to .12	Galax, green and bronze	to	to .12	to
to	to	Gardenias, per doz.	to	to	to
to	to	Lilac, (per bunch)	to	to	to
to 12.50	6.00 to 10.00	Lilies, Harrisii and Longi	4.00 to 8.00	12.50 to 15.00	to
to 3.00	2.00 to 4.00	Lily of the Valley	1.00 to 3.00	3.00 to 4.00	to
to	1.00 to 4.00	Mignonette	to	3.00 to 8.00	to
to	.50 to 1.50	Narcissus	to	to 3.00	to
to	to 75.00	Orchids—Cattleyas	to	to	to
to	to	Cypripediums	to	to	to
to	to	Dendrobium Formosum	to	to	to
to	.25 to 1.00	Pansies, per doz. bunches	to	.50 to 1.00	to
to	to	Roman Hyacinths	to	to	to
to 1.50	to 2.00	Smilax, (per doz. strings)	to	to 1.50	1.25 to 1.50
to	to	Stevia, per bunch	to	to	to
to .75	.50 to 1.00	Sweet Peas	.25 to 1.00	.50 to 1.00	.35 to .50
to	to	Tulips	.75 to 1.50	to 3.00	to
to	to	Violets, single	to	to .50	to
to	to	" double	to	to .50	to
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.

SPECIALTIES

CATTLEYAS

GARDENIAS

AMERICAN BEAUTIES

LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. CINCINNATI, O.

All Cut Flowers in Season

I Sell Heller Bros. Roses

I Manufacture Wire Work

Illustrated Catalogue for the asking.

Get your order in now for

HANGING BASKETS

The Best—The Strongest—The Cheapest

Green Sheet Moss, $1.00 per Bundle

Sphagnum Moss, $1.00 per Bale

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GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE

2-8 Duane Street, New York.

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

Milwaukee, Wis.

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WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

937 Liberty Ave., PITTSBURGH, PA.

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WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee St., MILWAUKEE, WIS.

'Phone, Main 874. P. O. Box 108.

Please mention the Exchange when writing.

Philadelphia

At Robert Craig Co.'s 4900 Market st., may be seen 60,000 plants of Begonia Lorraine which have already been twice shifted, and 50,000 Cyclamens in 2½" to 4" pots. This company is now sending out great numbers of potted Roses, especially Frau Karl Druschki, Killarney, Gruss an Teplitz, Richmond, and Magna Charta. A very promising new Begonia is being tried out. It is a sport from B. Lorraine Lonsdale and is said to hold its blooms better than any other Begonia. Mr. Craig believes that Nephrolepis elegantissima compacta and Scholzeli are two of the very best recent Fern introductions. The Crotons seen at Craig's are elegantly colored and are meeting with a steady sale.

The advance in the price of glass from $2 to $3.80 per box causes much unfavorable comment, and disappointment also, among the growers who had intended to add to their ranges this season, and many already have given up their plans to do so.

The S. S. Pennock-Meehan Co. is receiving some very nice Orchids; and some Snapdragons in very beautiful pink shades of color grown by John Savage, of Gwynedd Valley, Pa.

Mr. Sherry of the Johnson Seed Co. is confined at home through illness, much to the regret of his many friends.

It is hoped that Anton Wintzer, of the Conard & Jones Co., will speak on Cannas as well as Roses at the May meeting of the Florists' Club. It is expected that during the next few months Messrs. Manda, Lynch, Meehan, and Pericat will speak at the meetings of the Club.

W. E. McKissick & Bros. are receiving American Beauty Roses and Lily of the Valley from Carl Jurgens of Newport.

Lord & Burnham Co. are erecting a range of four greenhouses, each 28x200 ft., for Howard Thompson of Kennett Square, Pa. These will be used for the growing of Carnations and Mushrooms. Mr. Thompson is already a large grower of the latter.

Edward Reid is now receiving some fine Sweet Peas and American Beauty Roses.

H. Bayersdorfer & Co. are just now doing a large business in Memorial Day designs.

Pennock Bros., 1514 Chestnut st., have a very pleasing window display, consisting of Hino-de-Giri Azaleas, Exochorda grandiflora and Trollius.

M. Rice & Co., 1220 Race st., have added another story to their building, giving them more floor space. Their work room just now is very busy on wedding outfits, such as kneeling stools and wedding gates.

Boston

J. S. Stone of Shrewsbury, Mass., is cutting some excellent white Stocks and Snapdragons, which are disposed of at 1 Park st.

Peirce Bros. of Waltham are just beginning to cut their great crop of Gladioli. This week they shipped the first lot of the variety America.

The Fisher Estate at Montvale, Mass., is cutting some good Asparagus Sprengeri and Adiantum cuneatum and gets very remunerative prices for both of these commodities, which have been scarce all Winter. They are both profitable crops to grow.

Greenwood, the florist of East Boston, has been sick for the past week.

H. A. Stevens of Dedham is cutting at the present time some good Sweet Peas, good quality Carnations and Snapdragons. He is preparing now to build a new greenhouse for which most of the material is on the ground. It will measure about 100 ft. in length by 25 ft. wide.

Several of the salesmen at the Park st. market have been on the sick list this week.

George Noyes has not been regularly at work for the past week. He has trouble with his eyes and throat.

William Aylward has been away from his business in the market for several days; grippe is among his ailments.

Charles Teekle, assistant to Thomas Peglar in the market, is on the sick list this week. He is the brightest and smartest of the young boys in the market and his happy, smiling face is missed.

William Bartlett, the messenger at 1 Park st. market, is sick and has to go to a sanitarium.

All single Violets are done for this season and the only double ones that are coming to market are from H. J. Calder of Norwood, and Edward Bingham of Dedham.

A CARNATION OPRORTUNITY

A box of 500 or more of our best quality Carnations, our selection as to color, but a splendid assortment of the best gradee—**$2.00** per **100.** 10 per cent. discount if this Advertisement is mentioned.

CARNATIONS per 100, Special **$3.00** and **$4.00**. Fancy **$2.00** and **$3.00**, 1st **$1.50.**

FOR MOTHER'S DAY. White Carnations, $6.00 to **$8.00** per 100; **Colored, $3.00** to **$4.00** per 100; **Extra Choice Colored, $5.00** per 100. Prices of Whites in effect May 4th. Prices of Colored in effect May 6th.

Other of Our Specials

GARDENIAS, per doz., special $3.00, fancy, $2.00, first $1.00.
GARDENIA Special, a box of 4 dozen of the best blooms, very choicest flowers, for $5.00.
VALLEY, per 100, special $4.00, extra $3.00, No. 1 $2.00.
SWEET PEAS, long and medium, 75c. per 100.
SWEET PEAS, extra long, $1.00 per 100.
DAISIES (White), $1.00 per 100.
DAISIES (Yellow), $1.50 per 100.
MIGNONETTE, splendid spikes, $3.00 per 100.
CATTLEYAS, per doz., $6.00.
CATTLEYAS, per 100, $40.00.
RICHMOND, per 100, special $15.00, extra $10.00, first $6.00, second $4.00.
JARDINES, per 100, special $20.00, fancy $16.00, extra $8.00, first $6.00, second $4.00.
MARYLAND, 2-KILLARNEYS, KAISERINS and BRIDES, special $10.00, extra $8.00, first $6.00, second $3.00.
ROSE SPECIAL No. 1. Special grade Maryland, Richmond, Kaiserin, Bride and the two Killarneys, our selection as to color. In lots of two hundred or more, $6.00 per 100.
This is our very finest long-stemmed stock.
ROSE SPECIAL No. 2. Good flowers, medium stems, in lots of two hundred or more, our selection, $3.00 per 100.

RIBBONS, SOME OF THE CHOICEST NOVELTIES, EXCLUSIVE PATTERNS, AN ENDLESS VARIETY TO CHOOSE FROM. SUPPLIES OF ALL KINDS. CATALOGUE ON REQUEST.

1608 to 1620 Ludlow St., PHILADELPHIA, PA. **S. S. PENNOCK-MEEHAN CO.,** **1212 New York Ave., WASHINGTON, D. C.**

THE WHOLESALE FLORISTS OF PHILADELPHIA AND WASHINGTON. Stores close at 6 P. M.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Apr. 25, 1910	Buffalo Apr. 26, 1910	NAMES AND VARIETIES	Phil'delphia Apr. 25, 1910	St. Louis Apr. 26, 1910
to 35.00	20.00 to 25.00	**Roses**—A. Beauty, fancy—special	15.00 to 25.00	12.00 to 20.00
20.00 to 25.00	15.00 to 20.00	" extra	10.00 to 15.00	10.00 to 12.50
12.50 to 15.00	8.00 to 10.00	" No. 1	8.00 to 10.00	6.00 to 8.00
6.00 to 10.00	2.00 to 4.00	" No. 2	4.00 to 6.00	2.00 to 4.00
6.00 to 8.00	3.00 to 10.00	Killarney	2.00 to 10.00	3.00 to 6.00
5.00 to 8.00	3.00 to 10.00	White Killarney	2.00 to 10.00	3.00 to 6.00
4.00 to 8.00	3.00 to 10.00	My Maryland	3.00 to 10.00	3.00 to 6.00
4.00 to 8.00	3.00 to 10.00	Richmond	3.00 to 15.00	3.00 to 6.00
3.00 to 6.00	to	Perle	3.00 to 6.00	to
4.00 to 8.00	to	Golden Gate	2.00 to 10.00	to
4.00 to 8.00	to	K. A. Victoria	2.00 to 8.00	to
to 8.00	to 8.00	Bride, Maid, fancy—special	to 10.00	5.00 to 6.00
to 7.00	6.00 to 8.00	" extra	6.00 to 8.00	3.00 to 4.00
5.00 to 6.00	4.00 to 6.00	" No. 1	4.00 to 6.00	to 2.00
3.00 to 4.00	2.00 to 4.00	" No. 2	2.00 to 4.00	to
to 1.00	1.25 to 1.50	**Adiantum**	1.00 to 1.50	1.00 to 1.25
to	to	**Antirrhinum** (per bunch)	to	to
25.00 to 50.00	to	**Asparagus,** Plumosus, bunches	to 50.00	to
25.00 to 50.00	to	" Sprengeri, bunches	to 50.00	25.00 to 50.00
to	to	**Bouvardia**	to	to
8.00 to 10.00	to 8.00	**Callas**	6.00 to 8.00	6.00 to 10.00
to	to	**Chrysanthemums**	to	to
1.00 to 1.50	1.50 to 2.00	**Carnations**—Inferior grades, all colors	1.00 to 1.50	1.00 to 1.50
to 2.00	1.50 to 2.00	Standard Varieties: White	2.00 to 2.50	1.00 to 1.50
to 2.00	1.50 to 2.00	Standard Varieties: Pink	2.00 to 2.50	1.00 to 1.50
to 2.00	1.50 to 2.00	Standard Varieties: Red	2.00 to 2.50	1.00 to 1.50
to 2.00	to	Standard Varieties: Yellow and var.	2.00 to 2.50	to
to 2.50	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	2.50 to 3.00	2.00 to 3.00
to 2.50	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Pink	2.50 to 3.00	2.00 to 2.50
to 2.50	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Red	2.50 to 3.00	2.00 to 3.00
to 2.50	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Yellow and var.	2.50 to 3.00	to
2.00 to 3.00	1.00 to 2.00	**Daffodils**	.50 to 1.50	to
to .20	1.00 to 2.00	**Daisies**	1.00 to 1.50	to
to	to .20	**Ferns,** hardy	.10 to .20	to
to	to	**Freesia**	to	to
to .10	to .15	**Galax,** green and bronze	to .10	to
1.00 to 1.50	to	**Gardenias,** per doz.	.75 to 3.00	to
to	to	**Lilac,** per bunch	.10 to .50	to
8.00 to 12.50	8.00 to 10.00	**Lilies,** Harrisii and Longi	6.00 to 10.00	6.00 to 10.00
3.00 to 4.00	3.00 to 4.00	**Lily of the Valley**	2.00 to 5.00	3.00 to 4.00
2.00 to 4.00	1.00 to 3.00	**Mignonette**	1.50 to 3.00	to 3.00
to 2.00	to	**Narcissus**	2.00 to 3.00	to
to	to	**Orchids**—Cattleyas	40.00 to 50.00	to
to	to	Cypripediums	to	to
to	to	Dendrobium Formosum	to	to
to .60	to	**Pansies,** per doz. bunches	.50 to 1.00	to
2.00 to 5.00	to	**Roman Hyacinths**	to	to
to 2.00	to 1.50	**Smilax,** (per doz. strings)	2.00 to 2.50	to 1.25
to	to	**Stevia,** per bunch	to	to
.40 to .75	.60 to 1.00	**Sweet Peas**	.50 to 1.00	.20 to .50
2.00 to 4.00	1.00 to 3.00	**Tulips**	1.00 to 3.00	to
to	to	**Violets,** single	to	to
to	.40 to .60	" double	to	to
to	to		to	to
to	to		to	to
to	to		to	to

WE ARE NOW BOOKING ORDERS FOR

BEGONIA LORRAINE
BEGONIA LORRAINE LONSDALE
BEGONIA AGATHA

JUNE DELIVERY

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be **twice shifted.** Orders filled in rotation. 2½-in. pots, $15.00 per 100, $140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Beauties THE BEST. $3.00 per dozen. Stems 36 inches and over, good flowers and clean foliage. Excellent quality.

Maryland We have some stock of this grand Rose of exceptional quality. Our best grade is 30 to 36 inches long. $4.00 to $15.00 per hundred.

Carnations Our Best Grade $3.00 per 100. Good stock. $2.00 per 100.

Daisies White.....$10.00 per 1000. Yellow.....$15.00 per 1000.

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA
Open from 7 A.M. to 8 P.M.

Please mention the Exchange when writing.

EDWARD REID
Wholesale Florist
Hudson River Violets, Beauties, Tea Roses, Valley and Gardenias
All other seasonable flowers
1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

The best yellow Marguerites that have been seen this year are coming now in larger quantities. The boys on the street are handling large quantities of them.

Spanish Iris, Gladiolus Blushing Bride and pink and white Stocks are becoming quite plentiful.

William Nicholson of Framingham is sending to market this week a new plant. It is Gypsophylla elegans. It is a lovely little plant, light and airy, and we have nothing else like it.

The Public Garden is well worth while visiting at the present time. The Tulip display is just beginning and the flowers will be at their best this coming week.

At the State House there is also a fine display of bulbous plants.

Early Tulips, Narcissi and early flowering plants are making a splendid display at the Botanic Garden, Cambridge. The Darwin Tulips won't be at their best for at least two weeks yet. There is the best collection of these Tulips at the Garden to be seen anywhere in this part of the country and they are looking exceedingly well. Large importations of them came last Fall, direct from Kreelage & Son, Holland, the originators of this type of Tulips. Florists would do well to inspect the collection and get the names of the varieties that would suit their work the best.

At the Arnold Arboretum, Prunus, Forsythias and early Magnoliaa are flowering profusely and are much finer than usual. A plant of Prunus Sargentii, which is rather new, flowered most profusely this year.

Peter Fisher of Ellis has begun planting Carnations out of doors this week. He has quite a large stock which is looking remarkably well, and the nice cool weather, with plenty of moisture, will give the plants a beneficial start.

A new importation of Palms from Europe has just arrived at the Back Bay Conservatories of Thomas F. Galvin. They are very large, handsome, perfect specimens of Kentias and Arecas and they all arrived in good condition. It is pleasing at this time to see importations like this of fine large plants. We shall need them all and be pleased to have them for the National Flower Show next year.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

Please mention the Exchange when writing.

HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

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"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

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Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

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Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

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All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, April 26, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	3.00 to 4.00
30-inch stems.. "	.... to 3.00
24-inch stems.. "	2.50 to 3.00
20-inch stems.. "	.... to 2.00
18-inch stems.. "	.... to 1.50
12-inch stems.. "	.... to 1.00
8-in. stems and shorts "	.... to .75
Killarney	6.00 to 8.00
" extra	.... to 10.00
White Killarney	.... to 10.00
Richmond	6.00 to 8.00
My Maryland	5.00 to 8.00
Bride, Maid, fancy special	6.00 to 8.00
" extra	5.00 to 7.00
" No. 1	.... to 3.00
" No. 2	.... to 2.00
Perle	5.00 to 6.00
Chatenay	4.00 to 6.00
Kaiserin	5.00 to 7.00
Uncle John	.... to 6.00
Mrs. Marshall Field	.... to 6.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Calla Lily	12.50 to 15.00
Chrysanthemums doz.	.... to ....
" fancy doz.	.... to ....
Dalsies	.75 to 1.00
Daffodils	1.00 to 3.00
	.... to ....

CARNATIONS		
Standard Varieties	White	2.00 to 2.50
	Pink	2.00 to 2.50
	Red	2.00 to 2.50
	Yel. and Var.	.... to ....
Fancy (The highest grades of Sta'd varieties)	White	2.50 to 3.00
	Pink	2.50 to 3.00
	Red	2.50 to 3.00
	Yel. and Var.	.... to ....
Ferns, hardy, per 1000		.... to 2.50
Galax (green)		.... to 1.00
" (bronze)		.... to 1.25
Gardenias		26.00 to 35.00
Iris		4.00 to 6.00
Lilac, per bunch		.35 to .50
Lilies, Harrisii and Longi.		10.00 to 12.00
Lily of the Valley		2.00 to 4.00
Mexican Ivy		.... to 1.00
Mignonette		3.00 to 6.00
Narcissus—Paper White		.... to ....
Orchids—Cattleyas		50.00 to 60.00
" Cypripediums		15.00 to 20.00
Pansies		.... to .75
Smilax		12.00 to 15.00
Sweet Peas		.75 to 2.00
Tulips		.... to 3.00
Violets, single		.... to ....
" double		.... to ....
		.... to ....
		.... to ....
		.... to ....
		.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

The New England Nurseries report a large increase of business over last year, and although the staff is working long hours they are away behind with orders. Daniel Clarke, proprietor of Red Oak Nurseries, Fiskville, R. I., has been in town. He reports his business has increased very much over last year. He has large orders for herbaceous plants which he grows in large quantities.

R. C.

Chicago

The prevailing topic at the present time, no matter where one drops in, is the damage done to crops by the severe storms that set in on Friday last and continued until Sunday, and everyone has reason to feel blue and discouraged in the florists line. It is positive that all outdoor early blooming stock is destroyed beyond redemption. Snowballs, Bridal Wreath, Lilacs, in fact all early flowering shrubs are a total loss. The storm in itself was not an unusual occurrence for April, but the fact that the extreme warm weather experienced all through March advanced all outdoor growth so rapidly that the excessive cold of Friday and Saturday, when the thermometer registered 26° and 24° was too much for it. It is feared that the entire crop of Peonies is destroyed beyond any chance of recuperation, although in some few localities not yet heard from we may have some encouraging report. It is reported that in some places the early Roses were advanced to the budding stage and are frozen completely. There is a chance of foliage making new growth, but where flowers are concerned there is no prospect. The fruit crop is also damaged to a great extent although as yet it is too early to report anything definite. Many of the florists were so encouraged by the prolonged spell of hot weather that they started planting their Carnations outdoors last week. It is needless to state what the results are, though it may be possible that only the tops are affected.

J. J. Budlong is not so pessimistic as others regarding the ultimate result of the frost and snow. Immediate damage to the vegetable crop will not be so great as before plants reach the surface they are able to weather a certain amount of frost. He estimates that the loss to vegetable seeds will be 5 per cent.

Mr. Vaughan of Vaughan & Sperry states that he has had no report from the Peony growers of the South since April 22, regarding the outlook of the Peony crop. He fears that that part of the country has also suffered through the storm.

The staff of Winterson's Seed Store were kept hustling on Saturday getting their late shipments of Bay trees housed. Even with the wrapping it was not considered enough protection from the inclement weather, and the stock crowds every available foot of space in the building. Mr. Winterson says he feels they would have suffered some loss if they had not taken this precaution.

Bassett & Washburn planted 12,000 Carnation plants at Hinsdale, putting in just one day's work. They are pleased that no more were put out, as it is very uncertain if the plants put out will do any good, or recover from the effects of the cold. Mr. Washburn says that all the early Rose bushes at their place that had budded were frozen.

George Woodward says he feels that Lake Geneva and localities will not suffer so much in the loss of outdoor flowers, as at all seasons in all lines they are ten or twelve days later in developing than in the immediate vicinity of Chicago. If this is the case the Peonies, Snowballs and Bridal Wreath will probably not be hurt to any extent.

C. D. Crabb of Crabb & Hunter, Grand Rapids, Mich., arrived in Chicago on Sunday and reports a great loss of Carnation plants they had already planted outside. He states that much damage has been done to fruit as well as the flower crop.

Among some of the florists who considered it unwise to begin outside planting so early was Peter Reinberg, and he says now he is delighted, as it would have been labor lost.

Wietor Bros. have the frames all erected and are ready to begin the finishing of the houses they are rebuilding. The John C. Moninger Co. are supplying the material, the carpenter work being executed by Winandy Bros. Nick Wietor says they were safe in not rushing their outdoor planting; he was suspicious of the weather.

Hoerber Brothers are progressing with the erection of their eleven new houses at Des Plaines. The only drawback they have as yet encountered in the progress of their establishment is that of water supply. When they stopped drilling last Fall they had reached a depth of something over 400 ft. They are now starting to drill again and will, if necessary, go a thousand feet.

Charles McKellar has been absent from the store the past four or five days, being confined to his home, under the doctor's care, with an attack of la grippe.

C. A. Stewart of W. W. Barnard's Fifth ave. store says he feels that through the storm it means repeating much of the counter trade, as already there are reports of Lettuce, Radishes and small vegetables being killed. Mr. Stewart also says that the Mastin Sprayer is meeting with great success, according to the orders received by his house.

The building containing the Flower Growers Market is at last making a showing in the work of remodeling, and it is hoped the work will be pushed rapidly to completion, as it is in a way detrimental to all concerned.

City Forester Prost comes forward with a defence of the Catalpa tree, 40,000 of which were planted by the school children on Arbor Day. If the children had planted Elms, Maples, or Choke Cherries, which are in leaf at this time, the seedlings could not have survived the storm of Saturday and Sunday.

Mrs. S. R. Mills of 123 Clark ave., who has perhaps the largest number of Tulips of any private place in Chicago, gave a Tulip party on Wednesday, April 20, to all the small children of the vicinity. There were nearly 5000 Tulips in bloom, and the pleasure of the little ones in being allowed to pick them was a joy to behold.

A regular meeting of the Chicago Florists' Club will be held on Thursday evening, May 5, at the Union Restaurant. It is hoped that with no bowling scheduled for that night there will be a large attendance.

Clifford & Burke of 55th st. and Wentworth ave. had a large church decoration on Wednesday, for a wedding at St. Ann's Church, Garfield blvd.

Miss Lillian Bloom of the office force of Bassett & Washburn is visiting in Cleveland for a week.

Herman Dreiske of Ravinia, Ill., spent Monday in town purchasing Rose stock. Mr. Dreiske will grow Kaiserin for a white Rose for Summer flowering.

Visitors: A. N. Kinsman, Austin, Minn.; C. O. Erickson, Glen Ellyn, Ill.; B. W. Lyon, Belvidere; Michael Bloy and Chas. H. Plumb, both of Detroit.

A big boom has been given the floral parade being promoted by the Chicago Trade Association for May 7, by a decision of the Association of Commerce to aid the motor car dealers in giving one of the most magnificent displays ever seen in the West. Civic pride has been aroused and private owners are entering freely into the project. If the private owners do equally as well as the dealers the parade will represent the outlay of about $10,000 for one afternoon's sport. The florists are wondering if it is going to develop according to expectations. If over 1000 cars are to be decorated where, oh where, after the unforeseen events of the past few days are they going to find flowers enough to decorate half that number?

While Poehlmann Bros. Co., Morton Grove, have already planted quite a number of Carnation plants outdoors, they feel that they will stand the severity of the storms.

J. B. Deamud, who has been absent for the past two weeks on a trip through the East returned last Saturday. He reports having had a very pleasant trip.

The counter trade at Vaughan's Seed Store has slackened considerably the past week, presenting an opportunity to catch up with mail orders that poured in during the warm weather.

Chas. Cooke, who has been with Sears Roebuck Co. as superintendent of grounds has resigned, and is succeeded by R. C. Lund, recently at the Garfield Park conservatories.

The Masonic Temple Floral Co., which has been located in Masonic Temple the past three years, Visas Brothers, proprietors, closed its doors on Tuesday morning, April 26. It is rumored that Louis, one of the brothers, is among the missing. Many of the wholesalers will suffer as it is understood many had accounts with the firm.

Bowling

Following are the names of winners and awards of prizes of the Chicago Florists' Bowling League, together with the averages of the ten highest men.

	Won.	Lost.	Prize.
Carnations	47	34	$25
Violets	44	37	$15
Orchids	41	40	$10
Roses	29	52	$6

Each member of the Carnation team received a champion fob, presented by Peter Reinberg.

INDIVIDUAL WINNERS.

T. C. Yarnall, $12; John Zech, $10; Wm. Wolf, $8; E. Johnson, $7; V. Bergman, $6; Frank Ayres, $5; Wm. Graff, $4; Frank Pasternick, $3; Ernest Farley, $2; John Huebner, $1.

T. C. Yarnall, as individual champion, wins the silver cup, donated by J. B. Deamud. Victor Bergman, for high single game, score 256, $5; and for high average three games, 204, $6. The Orchid team for best single game, 921, $5, and for average, three games, 867 1-3, $5.

Green Flies and Plant Lice too
are easy to kill with
The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.
Please mention the Exchange when writing.

The first six men of the individual winners each received an umbrella donated by the Foley Mfg. Co.

Bensingers' also donated $55 to the Florists' Bowling League.

A special notice has been sent out to the effect that all florists desiring to bowl on a team to represent Chicago at the coming convention should be at Bensinger's alleys on Friday evening, April 29, when the team will be formed.

Minneapolis

S. M. Robinson of Excelsior, Minn., has just turned over thirty-five acres of his land at Vine Hill, for the growing of nursery stock and perennials. In the past month there have been set out several thousand young shade trees, and several large shipments of fruit trees and shrubs are still awaited. Several houses are to be erected during the Summer months. Mr. Robinson has one of the best locations for supplying the lake district, and expects to do a large nursery and plant business.

Indianapolis

A. Petit is endeavoring to dispose of his real estate and growing establishment which has more than tripled in value in the last eight years.

Mr. Perkins of Newark, N. Y., was a recent visitor.

Woodruff Place is being planted in an extensive manner with shrubbery by a Detroit firm.

Bertermann Bros. Co. have an excellent reproduction of an Atlantic liner in their window; printed cards, inviting the public to remember their journeying friends, are an adjunct.

Tomlinson Hall Market is preparing for the bedding season by showing its patrons a fine selection of Summer stock. Business is good.

Sam Seligman, represented Wertheimer Bros. of New York in this locality this week.

A. Weigand & Sons have their greenhouses filled with bedding material.

Bauer & Smith are cutting fancy Gladiolas.

Dorner's "Hoosier Lad" Carnation was on display in one of the local shops recently and received much attention.

I. B.

Cincinnati

This market has seen a decided change in the past six days. Carnations are now greatly in demand; the cheapest selling at $2 per 100, fancy stock at $3. Roses are moving along fairly well and at better prices; very little stock is now going to waste. A hard freeze passed over this part of the country on April 22 and 23, the thermometer dropping to 28°. Gardeners and others who have examined the fruit say that it is all frozen, especially the Cherries, Peaches and Strawberries. Early garden vegetables, with the exception of Peas, are frozen to the ground.

J. T. Conger and wife, were surprised by their many friends on the 22d; it being Mrs. Conger's birthday about thirty of their friends gave them a surprise party.

Our visitors during the past week were Bahlman & Co.'s representative and Mr. Armand G. Rossig of Rossig Bros., New York.

The retailers are not rushed with business, but all have more or less funeral work.

Geo. E. Tromey has opened a new place near the corner of 6th and Walnut sts.; it is in charge of Robert Ergot, who was at one time manager of the Cincinnati Floral Co., which concern has been out of business for a good many years.

E. G. GILLETT.

"THE EVERGREEN BRAND FLOWER FERTILIZER"
is pure plant food, immediately available. It permanently enriches the soil. It prevents the onslaughts of plant disease, or insects and pests. Can be used at any time during the growing season, dry or in solution.
Put up in 12 pound cans. Price $2.00
For sale by leading jobbers. For further information, address
D. D. JOHNSON COMPANY, 66 Wabash Avenue CHICAGO, ILL.
Please mention the Exchange when writing.

This Kills Mildew Every Time

For particulars write to
Benjamin Dorrance
Rose Growers
Dorranceton, Pa
Please mention the Exchange when writing.

St. Louis

Visitors who called recently were T. J. Farney, representing M. Rice & Co., Charles Ford of H. Hermann Co., New York and H. Hill of L. Baumann Co., Chicago. They all report good trade.

The trade all over the city had a great run on green Carnations on Thursday, April 21, and it is claimed that nearly 25,000 were disposed of in honor of the new manager of the American League Baseball Club, who is a St. Louis boy. There were also plenty of large floral pieces presented on this occasion; the largest was a floral harp, ten feet high, made by Ostertag Bros., who say the cost was $300. This made things rather busy for us that one day.

Ed. Kalish of Kalish Bros. reports that they are furnishing the trade with fine Orchid blooms and that they are going in heavy on Orchids next Fall so as to supply the trade in their wants of this flower.

Adolph Welz, a gardener out on the Gravions Road, had quite a loss by fire his residence having been on fire the past week; damage $500. The fire started at midnight and drove the family, thirteen in all, into the cold night. They were helped by neighbors.

Wm. McNeal of Jacksonville, Tenn., was in town buying supplies. Mr. McNeal has regular shipments from here three times a week; he reports an excellent business.

The florists who have stands at Union Market had to close them up a few days last week owing to cold weather. Trade with them was good up to that time.

Bentzen Floral Co. on North Grand ave. put in a busy week with funeral work. Being near the baseball park, they sold in the neighborhood of 5000 green Carnations on Thursday, April 21.

Mrs. M. M. Ayers on Grand ave., makes a grand window display of cut flowers and blooming plants. Mrs. Ayers reports a big demand in this line since Easter.

Ostertag Bros. furnished the wild Smilax and plants for the decorations at the Coliseum for the Metropolitan Opera season this week.

Charlie Wors says that he will have a big force out next week picking Ferns for the local trade; other Ferns are running low and high prices prevail.

Jules Burdett, who is now running the old Michel place at Magnolia and Tower Grove aves., says he has plenty of landscape work on hand and trade in the plant line is also good.

ST. PATRICK.

F. E. — Alive and Up-to-Date

The Mastin Automatic White-Wash and Spraying Machine is Reliable, Practical and Durable
The tank is made of galvanized sheet steel, and in brass.
The pump is of brass throughout, simple and powerful.
The mixing device keeps the contents of the tank well stirred up from start to finish.
When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for fifteen minutes.
All parts are made to gauge, and may be had for repairs.
Ask your dealer about our Extension Hose, Extension Rods, and the Mastin White-wash Nozzle for Bordeaux mixture.
Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.
J. G. Mastin & Co., 3124 West Lake St., CHICAGO, ILL.
Please mention the Exchange when writing.

PROVED BY 20 YEARS' ACTUAL USE

SOLD BY THE SEED DEALERS, IN QUANTITIES TO SUIT
For pamphlets on Bugs and Blights, write to
Hammond's Slug Shot Works
Fishkill-on-Hudson, N. Y.
Please mention the Exchange when writing.

The Best
BUG KILLER
AND
BLOOM SAVER
For PROOF Write to
P. R. PALETHORPE CO.
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Please mention the Exchange when writing.

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For "POT LUCK" Try Us

Hews Standard Pots

POT MAKERS FOR 140 YEARS

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO. Inc.

WORLD'S LARGEST MANUFACTURERS

LONG ISLAND CITY, N. Y. Pearson Street, | CAMBRIDGE, MASS. Established 1765. | CHICAGO, ILL. 452-460 No. Branch St.,

Please mention the Exchange when writing.

Prompt Shipments Guaranteed

We have a large stock of well made and well burned pots on hand for the Trade of 1910. Our terms are as good as the best. Our catalogue for 1910 on application

Syracuse Pottery Co.

Syracuse, N. Y.

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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate.				Price per crate.			
1500	2 in. pots in crate,		$4.25	120	7 in. pots in crate,		$4.20
1500	2½	"	" 5.25	60	8	"	" 3.00
1500	2¾	"	" 6.00				
1000	3	"	" 5.00		HAND MADE		
800	3½	"	" 5.80	48	9 in. pots in crate,		$3.60
500	4	"	" 4.50	48	10	"	" 4.80
454	4½	"	" 5.94	24	11	"	" 3.60
320	5	"	" 4.51	24	12	"	" 4.80
210	5½	"	" 3.78	12	14	"	" 4.80
144	6	"	" 3.16	6	18	"	" 4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.

August Rolker & Sons, Agts., 51 Barclay St., N.Y. City

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All the Clay

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Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.

ZANESVILLE, OHIO

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Red Standard Pots

We have these in stock from 1 inch to 18 inches. What are your needs for the coming Spring? Let us know them and give us an opportunity to quote you. Our goods are equal to the best; to prove it send us a trial order; small as it may be, it will be appreciated. Try us.

THE KELLER POTTERY CO.

213-223 Pearl St., NORRISTOWN, PA.

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By Geo. W. Oliver, Propagator to the Bureau of Plant Industry, U. S. Department of Agriculture.

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Every florist, nurseryman and grower will find Plant Culture the most useful assistant in his office. Order a copy of the book now, or send for free sample pages.

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ALL NURSERYMEN SEEDSMEN and FLORISTS

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This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

Editors of the "H. A."

Chilwell Nurseries, - Lowdham, Notts.

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Every reader of the Florists' Exchange who is interested in farming or gardening, in the growing of fruit or of flowers, is invited to send for a free copy of our 80-page catalogue and full information in regard to the Home Study Courses in Agriculture, Horticulture, Landscape Gardening and Floriculture which we offer under Prof. Brooks of the Massachusetts Agricultural College and Prof. Craig of the Cornell University.

The Home Correspondence School Dept. 77 Springfield, Mass.

The

Week's Work

BY

FRITZ BAHR

A New Salvia

Bavaria, The White Variety Said to Resemble Zurich in Habit.

If you are a retail grower you can't help but be interested when anyone calls your attention to a new Salvia, and especially when it is a white one. No other bedding plant has gained so much in popularity as the Salvia and some very fine sorts have come out in the last few years. The most valuable perhaps, as a bedder, is Zurich; this is indeed a splendid one for the purpose, of dwarf habit, a free and continuous bloomer, in every way ideal for bedding purposes. Now comes along Bavaria, a white one. We have a nice batch on hand. The plants are in 3½" pots every one in bloom, not pure white but rather a cream color. The plants are stocky and look most promising. How good they are, however, as bedders, remains to be seen this Summer. If only half as good as Zurich it would still be a grand thing to have a white variety—just what many of us are looking for. A good white Salvia would be as valuable as a Canna with the foliage of King Humbert and a Florence Vaughan flower. What a bed that would make! There isn't any reason why we should not look forward to both of these, and as Bavaria is really a white Salvia we should have every season to believe that, even should it not prove satisfactory in every respect as a bedder, it will be the forerunner of a white one which will fill the bill in every way. It certainly will pay for many of us to watch the results of a trial this Summer.

THE BEST WAY

to collect an account is to place it with the

National Florists' Board of Trade

56 Pine St., NEW YORK

WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Please mention the Exchange when writing.

A New Chrysanthemum

Yellow Ivory Should Prove A Valuable Addition to the Commercial Sorts

I don't know of anything that could be introduced in the Chrysanthemum line which would possibly prove of more value to the greatest number of growers than a good yellow Ivory. It seems to me to be just what we are looking for. By that I mean the average retail grower, the one who grows and sells his flowers. With him the list of varieties of 'Mums starts with Ivory, whether he wants single stems, pot plants or plants to produce a dozen flowers. The Ivory, the white and the pink, adapt themselves to any of these purposes, and to get a good yellow one to add to these two sounds good. We have invested a few dollars in the new arrival, a nice lot of stocky plants. We are told that it is a sport from the white Ivory, a good clear yellow. We are going to give it the best place in the 'Mum house, and good care. While on the subject of 'Mums, it might be well to call attention to the fact that the time for propagating the single stem midseason sorts is here. No time should be lost in getting the cuttings into the sand. Attend to shading the propagating house or bench, the cuttings will not stand for any sun. Keep the house as cool as possible and spray lightly during the day, never allowing the cuttings to wilt. In ten to twelve days, soft wooded cuttings treated thus in the sand are on the safe side; the first week is the hardest on them.

The Storm

Suggestions to the Growers of the Middle West

This is Saturday, 8 a.m. We are having a heavy snowstorm in the Chicago section and the thermometer registers 22°. This means that every bit of growth made this Spring on most of the shrubs, as well as Peonies and other perennials are frozen black. Every blossom on the fruit stock is killed—an awful loss. We cannot fully realize just what has happened until the sun comes out and warms up things. We had a lot of Tulips and Narcissus covered with lath shade frames to hold them back. They all got it, several thousands of them. They were all ready to cut. I brought some in and put stems and flowers in cold water but they were gone. This storm will make many shrubs and perennial borders look sick, and the florist in such localities will be called upon to furnish bedding stock to fill out for this Summer. My advice is, to the man who conducts a retail place and grows his own stock, to prepare for this demand which is bound to come. Everything suitable for borders and beds will be called for, especially in expensive stocks, which can be planted in masses; for instance, Cannas and Salvias in the annual line. Sow out an extra supply of Cosmos, Zinnias, tall Marigolds and Asters, there is bound to be a demand for them. Dahlias and Gladiolus will have an unusual call this Spring, so get a good stock on hand, you will find a market. Don't overlook the climbers; it isn't too late to sow out Cobæas and Humulus, they will grow quickly into salable plants at this time of the year. I find that the Clematis paniculata and Jackmanni are black, and so with the Akebias and Roses. While this will not kill the plants it will mean bare stems until a new growth appears, and your customers will want an annual climber for this Summer. While the extra sale of greenhouse stock will not by any means make up the great loss many of us have sustained, it will help a great deal, and not a moment should be lost in getting ready for it with a heavy supply—it will all be sold at good prices.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00.

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

The Hydrangeas

Plants intended for Decoration Day

I don't think I am going to be far off when I predict a shortage of cut flowers for Decoration Day. By that I do not mean that any of them will be sold at a premium, but with the abnormal weather we have had up to a few days ago it was almost certain that hardly any of the outdoor stock would have lasted until the end of May; but to make a sure job out of it the severe frost we have just experienced throughout the middle West has finished, practically, everything. This means that we must get up an extra large supply of suitable blooming stock in pots for that day, and among them the Hydrangeas lead. If the flower heads are beginning to spread now you are just in time, but not a bit too early, and if you wish to get well colored, large flower heads on the plants keep them in small pots, in such as will require watering twice a day if necessary. Plants in such pots will never show yellow, sickly foliage; but such as are in large pots, where the soil will dry out slowly, are apt to get that dreaded coloring of the leaves. Hydrangeas love plenty of fresh water, but the roots don't want to stand in it for any length of time, therefore don't over pot. Plunge the pots in some kind of material to keep the soil around the roots cool. Fresh liquid cow manure, light doses, twice a week, for these plants will bring the large flower heads more than anything else. You cannot expect it from a starved plant. Don't experiment with any fertilizer you know nothing about, stick to the cow manure if on hand; there isn't any other manure I know of to which the Hydrangeas respond more freely.

The Marguerites

Plants Intended for this Spring's Sales

The Daisies, as we call these Chrysanthemums, are not by any means the most desirable plants for vase work or veranda boxes, and quite a few of our customers will object to them. About the only time they really look well in the plant arrangement of a box is at the time they're put out, for they soon stop blooming; and if given good care, as far as watering is concerned, and planted in good soil, they will soon outgrow everything else in a vase or box. But with all these drawbacks we use several thousands of them each Spring, for there are customers who consider a vase, no matter how well filled otherwise, incomplete without the Marguerites. The man who is anxious to have the plants he sells give the best results will try to have the Marguerites just far enough advanced so as to flower for some time after the boxes they are planted in are set up for his customers. Plants which are full open when put out will be without a flower in a week, while such as have only two or three flowers open will be showy for quite a while. In order to have plants on hand from the middle of May up to practically the end of the bedding season, we carry a stock of different sizes and try, by keeping the plants pinched back, to have them come along as wanted. The first lot is now about ready to open, and in 4" and 4½" pots. The second lot was pinched back about ten days ago, and received a shift from 4" to 4½" pots. Another batch is being shifted and pinched back now, and still others are to follow which are now in 2½'s. Should you have plants of different sizes not pinched and shifted they will all, if left alone, bloom at the same time, and many in that way may spoil on your hands. The extremely warm weather of the Spring may have caused most of your stock to be in full bloom by this time. If so, cut the plants back, and give a shift, if only to one half size larger pots, and the plants will be in fine shape again in about four weeks. If small plants are

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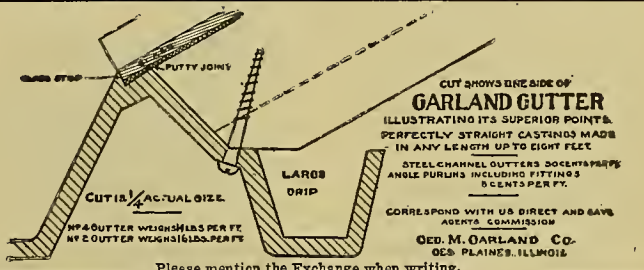

Please mention the Exchange when writing.

on hand, ready to bloom, do the same thing with them; it is too early yet to have them bloom if wanted for plant arrangements for window boxes.

Vases and Window Boxes

It Is Time to Get After Orders to Fill Them

We have been pushing this branch of the business of late years, not alone for the reason that there has been an increased demand in the line, but because it is profitable. There is no question in my mind but what the day of formal bedding is rapidly drawing to a close. Irregular shrub and perennial borders are used instead, even by the small property owner. An open lawn, bordered by shrubbery, is taking the place of the lawn cut up by formal beds of different designs, as well as trees and shrubs. This hasn't in any way affected the sale of bedding stock, just as much is used. There is room along the edge of the shrub border for the Geraniums and the Cannas, as well as the Salvias, and the doing away with the formal beds has increased the demand for the window and veranda boxes, the rustic vases and hanging baskets. More than ever of these receptacles are used, and now is the time to get ready for the work of filling them. We are sending out cards calling attention to the filling of vases and boxes. Some of the people must be reminded of the season in order to get them started. We have done it for years and find it pays. Even the regular customers, those who have this work done in the same way every year, we remind, for quite often boxes or vases are in need of repair or paint, as the case may be, work which takes time to attend to. Don't put it off; you will be so busy in a couple of weeks from now that anything that can possibly be attended to now will be a blessing all around. Get the orders in, book them, and mark every box properly. Don't overlook this, as negligence in this respect might create all kinds of trouble. Only those of us who went through the experience of delivering a certain veranda box, among others, at the wrong place, and had to trace such box after several weeks, can fully realize what it means. Have a proper place to store the boxes, and after May 5 take the first opportunity to fill them. We have for several years past made up a few boxes out of ⅞ 8-inch pine boards, 4 ft. long, part of them painted with two coats of white and some with dark green paint. We found these most convenient, even if not in every case of the right size.

Hanging Baskets

You Will Need a Good Supply This Spring

There isn't any good reason for delaying the ordering of a good supply of 12″ and 14″ wire hanging baskets, you are bound to use a good many. With all the trouble there is in properly taking care of a basket on a veranda or porch, there is still a great, I might say greater demand for them. Here and there we have a customer who brings a few earthen affairs, or baskets made of rustic wooden work, but there are only a few compared with those making use of wire baskets. When I think of some of the baskets, the way they look when neglected on a porch, after being out of our hands for several weeks, I wonder that so many are sold; but it seems that a customer looking at a well filled basket at the greenhouse forgets all about the dried up affairs she had at the end of the season the year before. So get ready, have a good supply of the frames on hand; what are not used for porch decorations can be filled with Asparagus Sprengeri for next Winter's use. Also get a good lot of sheet moss; we used to gather it around town, in the woods, but find it far cheaper and of better quality to let the wholesale house supply it. About the baskets: Don't get the fancy kind with the three pointed hangers; they might look a little better, but get tangled up and cause trouble; get the plain kind—baskets and hangers. Another seasonable thing to do is to fill a few baskets with different arrangements. Have them for samples; they help to influence orders. A customer might call with no idea of purchasing any baskets, but seeing them on display she will be tempted to buy some and leave an order.

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ALBERT & DAVIDSON, Brooklyn, N. Y.
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Late Propagations

Keep on Filling the Cutting Bench

If you have the room to spare, it is as well to keep on propagating bedding stock. There will be call for this class of stock up into July. Salvia cuttings struck now will quickly grow into fine plants, and this holds good with Petunias, Ageratums, Heliotropes, Begonias, double Sweet Alyssum, Marguerites, Verbenas and Lobelias, and such plants as Achyranthus, Perillas and Coleus will in three weeks from the time the cutting is taken make a salable plant. If the stock is on hand to furnish the cuttings it is as well to take advantage of it, and keep on propagating. Such young stock might take the place of the first lot of Cannas or Geraniums which leave the benches. Quite frequently, a Heliotrope or Salvia is benefited by having the top pinched out when giving the plant a shift. I wouldn't want to sacrifice the plant in order to get a cutting, but if it can safely be cut back far enough to furnish a cutting, why not do so. The retail grower must always figure on late orders, and while it requires time and valuable space to take care of these late propagations if properly done and the rooted cuttings are not neglected afterwards the little plants will be sold to good advantage if not used at home. Let the trade know what you have, there is some one who wants them.

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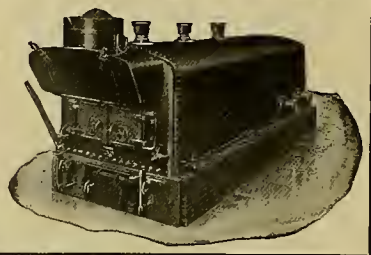

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Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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California Notes

Fig Growing in California

The statement of the Editor of The Florists' Exchange that his Fig bushes were killed by the first severe frosts of last Autumn, has set me to thinking. In the Bakersfield section of the San Joaquin Valley, this State, there is never a Winter that the thermometer does not register 10° below freezing, and once I knew it to go 17° below, yet the Fig trees are never injured. There are specimens there of the black Mexican type, with bodies three feet in diam. at the base, fifty feet in height, with as much spread of top. The question is, can it be that the very dry atmosphere of that section during the latter part of the year so thoroughly hardens the wood that it can stand the low temperature named without injury?

There is one fact that must always be borne in mind, in connection with Fig culture, and that is, luscious fruit can only be produced where the climate is sunny and very dry. Figs grown about Los Angeles, and along the coast where fogs prevail every morning during the Summer, are poor in quality compared with those grown in the interior valleys where neither fog nor dew appears at that season of the year.

The sun rises as a great ball of fire and daylight appears at once. The humidity of the atmosphere is so low that it does not suspend the rays of light and, by noon, they come to the earth with a directness and intensity unknown to an inhabitant of the Atlantic Coast country. The ground becomes so warm that insect life seeks refuge beneath its surface. If a hill of ants be dug up and thrown on ground which has been exposed to the sunlight, they sizzle and die in less time than it takes to write these lines. Barefooted children cannot walk on it without pain, and the birds, when disturbed, never alight, except in the shadow of a post, a shrub or a weed.

There it is that Figs, if left undisturbed in the ground, cure perfectly instead of decaying, and there it is that Muscat Grapes are converted into Raisins and Prunes (the article of commerce) without artificial heat. Alfalfa, if given water, luxuriates and grows one inch in height every twenty-four hours. Apricots attain a degree of perfection in quality and appearance never met with along the Coast. The asthmatic breathes with ease, and they whose lungs are affected with tuberculosis in its incipient stage of development are healed.

Wanted—The Ideal Park Supt.

Our Park Commission has declared the place of superintendent of parks vacant, and will have made a selection of a new man to fill the place by this time. Considerable speculation among the seedsmen, and the horticultural fraternity generally is, who will they select? Two of the Commission are skillful gardeners themselves, although both lawyers of great ability. I quote the language of one of them, which is a literary gem, in giving his ideas of the necessary qualifications of a man to fill the place:

"I would select an enthusiast possessing also good commonsense; a dreamer, but not a somnambulist; a poet, but not a hymnster; a painter, but not a dauber; an artist, without a profession; a modest man and not an egotist; a man of restless energy, and of enthusiastic and patriotic devotion to his work and to our city, which he is to serve; a man to whom to overcome obstacles is a pleasure; a dreamer who has the ability and the industry to produce his dream in the real; a painter who finds his finest inspirations in pictures not made by brush; a poet whose soul is attuned to nature; a worker who finds the compensation of his labor, not in the salary, but in the great results to be produced in the pleasure and happiness that he can give to others."

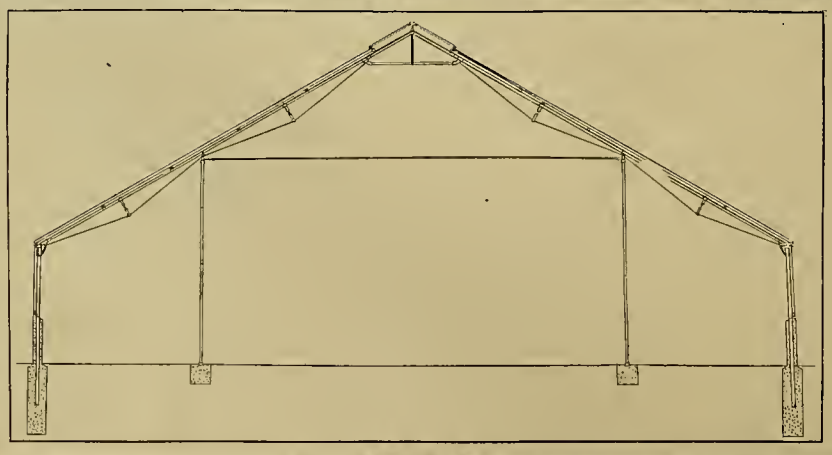
The character here pictured is the highest type of manhood. Will they find him? I hope so. If they do, it will be one of the pleasures of life to shake his hand and to look into his soul through its windows, his eyes.

Golden Gate Park

I am delighted with the beautiful illustrations and the well written article of our Golden Gate Park which appears in your last issue. It is unlike any other park in the United States and, to my mind, is a greater achievement in human endeavor than that of the rebuilding of San Francisco, which is the marvel of the age. Few men would have had the courage to begin the stupendous undertaking, fewer still the ability to carry it to a successful conclusion. The winds are forever blowing in that section of the State, with a greater or less degree of velocity, generally "greater." The soil, as stated, was sand to begin with. To bind it down long enough in one place to establish a plant required an unusual amount of ingenuity and perseverance. To begin planting in a soil which is permanent is one thing, but to do so where it will be in one place today and in another tomorrow is quite a different proposition.

That park will be a living monument to John McLaren and his tireless energy and devotion to duty, while time shall endure. The writer of the article ("M") named a few of the subjects growing therein. Had he named them *all*, and given a ten line description of the different genera, and a five line description of each species and variety of plants found there, the entire number of The Florists' Exchange of March 19, 1910, would have been filled from cover to cover.

So far as I know, no attempt has yet been made to catalog and classify exotics as they grow on this Coast. To do so would require time and be an expensive work, yet it should be done. A good descriptive writer could make such a work more interesting to the student of plant life than the Arabian Nights is to children. If illustrated it would be a valuable work of reference for future generations. If climatic conditions, both as to temperature and relative humidity throughout the year, were given, and the characteristics of the different varieties of plants as they appear under such conditions, it would be a valuable contribution to scientific knowledge. The same would be true if such work were done



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An Ideal Construction
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Less wood than any other construction.
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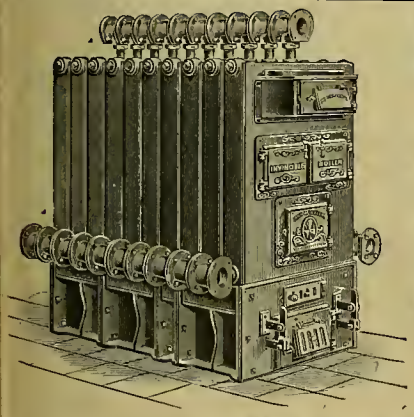

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in connection with our own park system (of Los Angeles) for it must be borne in mind that the two localities differ widely in soil and climate, many plants growing to perfection in one which are failures in the other.

Wm. Falconer's Notes from Cuba

In your issue of March 12 were very interesting and highly instructive to me. There is a charm, a fascination in Falconer's writings that to me is superior to that of any other horticultural writer of the present day. It would be a good thing for the present generation, as well as for all who are to follow, while time shall endure, if he were subsidized and started out over the world to tell us of plant life as it is found on the face of the earth. This, however, is not what I started out to say about those notes. Mr. Falconer's reference to A. Melia—Umbrella tree—which is forever in bloom; that is interesting. We have the two types here, Azedarach and umbraculiformis, but both are deciduous, both have their period of rest, neither one of which attains to that degree of perfection which characterizes them in the warm interior valleys of this State.

There it is that A. umbraculiformis is the shade tree *par excellence;* red spider, the scourge of all other trees in those sections, except the Fig, never molests the dark green foliage, which is so dense that never a ray of sunlight penetrates it, nor do scale pests trouble it, though they suck the life out of it here (Los Angeles) and cause the leaves to fall prematurely.

His reference to the behavior of Eucalyptus in Cuba is illuminating on the subject of "relative humidity." Experience and experiments, my own observations, and those of others, lovers of plant life, confirm me in the knowledge that it is practically impossible to successfully grow some desert plants in countries with humid atmospheres, or vice versa.

If Mr. Oliver has a variety of Malvaviscus arboreus with larger and more showy flowers than the one we grow here we must have it, for of all the drought-resistant, showy flowering, perpetual blooming plants grown here, it stands at the head of the list. Royal Poinciana has been tried times without number here, and never a specimen brought to a flowering age, yet each year a crop of new and inexperienced enthusiasts appears and the experiment is repeated.

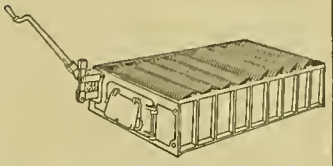
Mr. F.'s reference to a "brown rusty Rubber," as F. ferruginea, leads me to wonder if it is the same which we grow here as F. macrophylla; it, and F. australis, are the two which, if given room for development, astonish everyone by their size. F. elastica is too tender to make fine specimens in this part of the State. P. D. BARNHART.

Washington, D.C.

The annual banquet of the Florists' Club of Washington takes place at Chas. Rauscher's, Conn. ave. and L st., N. W., on the evening of May 2, and it is understood the committee in charge is arranging a fine program for entertaining the guests; the price is $1.50 per plate.

Heavy rains have fallen during the last week, and once more the earth is fully replenished with water. A cold wave is following the warm weather and greatly retarding the bedding out of plants as the stock made rapid growth and is soft, no opportunity having been offered until now to harden the wood.

The Burnham GRATES



Grates are ridged on top—double trussed underneath, so that they smash the clinkers and not the grate. They dump to the front, which makes ash removal easy.

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A Garden on Shipboard

Not so long ago there arrived at a Pacific port a ship from Belfast, Ireland, after a voyage that was in one respect remarkable. It appears that this vessel's ballast consisted of about 2000 tons of Irish soil. This, when leveled off, made a pretty good-sized garden patch, and the members of the crew, with commendable thrift, took it into their heads to improve it.

They planted a good stock of garden truck—Cabbages, Leeks, Turnips, Radishes, Peas, Beans, Lettuce and other things. These came up in due course, and flourished admirably, especially while the ship was in the tropics, and the men had fresh "garden sass" to their hearts' content.

As they rounded Cape Horn they replanted the garden, and by the time they reached the equator everything was again green and the table well supplied.

The two drawbacks were the weeds, which grew apace, and the inroads of the ship's drove of pigs, which were kept in the "farmyard attachment," and which, on several occasions, when the ship was rolling heavily, broke out of bounds and of course did their best to obtain their share of the garden truck.

The last pig was killed and served with green vegetables just before the vessel entered the port on the Pacific. On the arrival of the ship the sod was taken to its destination, ready to be used again for terrestrial gardening.—*Harper's Weekly.*

We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.

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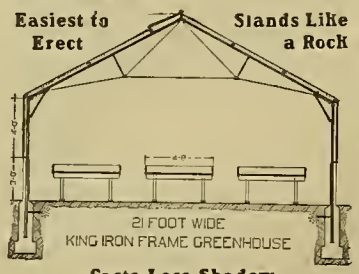

Casts Less Shadow

"Ask the Man Who Has One"

John Young Co., New York City, 54 by 561.
Scott & Son, Sharon Hill, 5 houses, 25 by 166.
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Order Your Material Now!!!

DON'T wait until May or June and then expect to get your goods in double quick time. Take the matter up right after Easter and get things under way so you will not be delayed this Spring.

This is going to be the biggest building year yet and if you have the money and space by all means put up some more glass and do it at once!

Send for our catalogs:
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You will want Memorial Designs—Why not order now?

METALLIC DESIGNS in every style suitable for Memorial Day Celebrations. Every Design we send out is true to nature in foliage and flower. All designs are ornamented with roses, carnations, forget-me-nots and other flowers as desired. Special designs on hand and made to your order, which include Pillows, Anchors, Gates Ajar, etc. IMPORTED MAGNOLIA LEAVES, Green and Brown, for all occasions; CYCAS WREATHS, FANCY IMPORTED WREATHS, etc. BASKETS OF ALL KINDS FOR JUNE WEDDINGS; order some now and be prepared in advance.

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by a practical heating man, with years of experience, should appeal to you; and he should be the proper man to install this important part of your plant.

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Cast Iron or Steel Boilers, Pipes, Valves, Fittings.
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PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

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S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

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HAVE you figured out how much COAL and TIME you use for your pumping during the summer months, and compared this with the expense of a few cents worth of gas or gasoline used by THE STANDARD PUMPING ENGINE for doing BETTER WORK IN LESS TIME?

Our catalogue will get you to thinking about it. Sent on request.

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CHEAPER AND MORE DESIRABLE THAN WOOD.
ANY WIDTH—ANY LENGTH.
PERMANENT—NO REPAIRING.
PATENTED SYSTEM ALLOWS ANY AMOUNT DRAINAGE DESIRED.

WILSON-HOYT CO.
ONE MADISON AVE.
NEW YORK

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FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 West Broadway
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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SUMMER IN WINTER

BY USING
Standard Greenhouse Boilers
One cent gets our catalog.
GIBLIN & CO., Utica, N. Y.

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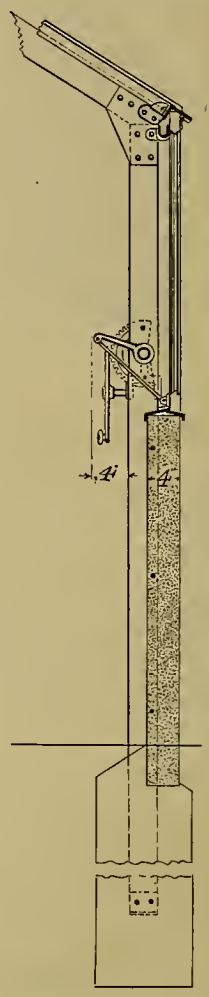

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Such a combination reaches the very highest point of greenhouse indestructibility. Glazing bars, vent sash, ridge and doors is practically all the wood there is, as even the sill is a special one of Cast Iron.

Such a house, built such a way, is not a luxury; it is an out and out investment of the goodly paying kind. Pays because you don't have to keep on paying to make it pay.

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THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 19 — NEW YORK AND CHICAGO, MAY 7, 1910 — One Dollar Per Year

Amherst MASS

HYDRANGEA OTAKSA

IN BUD AND BLOOM

Fine plants for immediate or later sales.
6-in. pots, five to six blooms each, **75c.** and **$1.00** each.

Select Ferns For Fine Store Trade

Nephrolepis elegantissima Improved. Finest of this type. An improved form of Elegantissima, which shows no tendency to revert to the Boston, making it an exceptionally desirable fern for commercial or private use.

Fine plants in 4-in. pots, **$3.00** per doz.; 6-in., **$6.00** per doz.

Nephrolepis superbissima. A very distinct fern; very compact, with dark green foliage and of dense growth.

Extra fine plants in 4-in. pots, **$3.00** per doz.; 6-in., **$6.00** per doz.; 8-in., **$12.00** per doz.

Nephrolepis Bostoniensis. Extra fine, large plants, 10-in., **$3.00** and **$4.00** each; 12-in., **$5.00** and **$6.00** each; larger specimens, **$7.50** to **$10.00** each—according to size.

Small Ferns for Fern Pans, Assorted, $4.00 per 100.

F. R. PIERSON CO.

Tarrytown-on-Hudson — **NEW YORK**

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A. N. PIERSON, Inc. Cromwell, Conn.

GARDENIAS

2¼-inch pots, $7.00 per 100; 3-inch pots, $12.00 per 100; 4-inch pots, $20.00 per 100.

DRACEANA INDIVISA

4-inch pots, $1.80 per doz., $12.00 per 100; 5-inch pots, strong plants, $25.00 per 100.

CANNAS

Gladiator. Green foliage, yellow flower, spotted with red.
Wyoming. Bronze foliage, red flower.
Louisiana. Green foliage, red flower.
Assorted Cannas. Good standard varieties.
The above in 4-inch pots, $1.00 per dozen, $8.00 per 100.

Asparagus Plumosus Seedlings

$1.00 per 100, $10.00 per 1000.

Asparagus Sprengeri Seedlings

50 cents per 100, $5.00 per 1000.

SMILAX

2¼-inch pots, $2.50 per 100, $20.00 per 1000.

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FOR SUMMER BLOOM

PLANT AT ONCE

Kaiserin Augusta Victoria

We have a large stock of fine plants as large as ordinary 4-inch plants, at $40.00 per 1000. Order at once as they will soon be gone. : : :

W. H. ELLIOTT

BRIGHTON, MASS.

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L'ELEGANTEA, variegated-leaved Ivy Geranium, leaves margined white, silver-white single flowers, a rare and beautiful thing as a Hanging Basket plant. We have a splendid stock in 3-in. pots at $1.00 per doz., $5.00 per 100.

SILVER-LEAVED S. A. NUTT, leaves edged white, habit of growth, freedom of bloom, color and appearance of flower very similar to the S. A. Nutt, $1.00 per doz., $6.00 per 100.

GERANIUMS, Standard Varieties, $2.00 per 100, $18.50 per 1000; 1000, fifty each of 20 varieties, our selection, $18.50.

CANNAS, Jean Tissot, Pres. Myers, Pennsylvania, Buttercup, Louisiana, Egandale, Florence Vaughan, Alph. Bouvier, from 3-in. pots at 75c per doz., $3.00 per 100, $25.00 per 1000.

	2-in. Per 100	2-in. 1000	3-in. 100
AGERATUM, Blue and White	$2.00	$18.50	$3.00
CENTAUREA, Gymnocarpa	2.00	18.50	3.00
CINERARIA, Maritima Candidissima	2.00	18.50	3.00
APPLE GERANIUMS	2.00	18.50	4.00
ALTERNANTHERA, Red and Yellow	2.00	18.50	
COLEUS, Golden Bedder and Verschaffeltii	2.00	18.50	3.00
GERMAN or **PARLOR IVY**	2.00		
FUCHSIAS, six varieties	2.00	18.50	3.00
LEMON VERBENA	2.00	18.50	3.00
PETUNIAS, Double Mixed Colors	2.00	18.50	3.00
PETUNIAS, Dreer's Superb Single	2.00	18.50	3.00
VERBENAS, Red, White, Pink and Purple	2.00	18.50	3.00
SWAINSONA, alba	2.00	18.50	3.00
HARDY IVY	2.00	17.50	
SALVIA, Bonfirs and Zurich	2.00	17.50	

ASTERS, Vick's Early and **Late Branching,** select colors, strong transplanted plants. 2-in., $2.00 per 100, $18.50 per 1000.

DAHLIA PLANTS, from 2-in. at $2.00 per 100 up; for $18.50 cash, we will send 1000, 50 each of 20 distinct varieties including Show, Decorative and Cactus.

Cash with Order. Visitors Always Welcome.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

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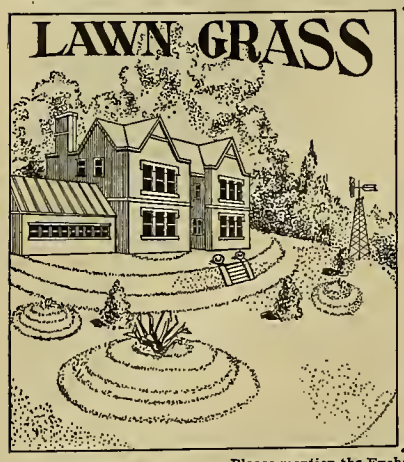

Grass Seed

Put up in handsome lithographed packages. Pints, $4.00 per 100. Quarts, $7.00 per 100.

Rustic Hanging Baskets

	Each	Per doz.
10 inch bowl	$1.10	$11.00
12 inch bowl	1.25	13.00
14 inch bowl	1 50	16.00

Wm. Elliott & Sons
42 Vesey St., NEW YORK

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Order now and be sure to grow this year

Rawson's Gold Medal Chinese Primulas

Without doubt the finest strain in the country

We offer the following colors: Pure White, Brilliant Pink, Deep Blue, Crimson, Salmon, Bright Christmas Red, and White with Red Eye; also a wonderful mixture at the price of:

Per Hundred seeds, 50c.; thousand seeds, $4.00

The proper time to sow Primulas is during the month of May, so please do not delay in ordering.

W. W. RAWSON & CO., Seedsmen
5 UNION STREET, BOSTON, MASS.

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KENTIA SEED For Immediate Delivery

	Per 100	1,000	10,000
Kentia Forsteriana	$0 50	$4 60	$40 00
" Belmoreana	60	4 00	37 50
Cocos Weddelliana	1 00	7 50	70 00
Areca lutescens	1 00	7 50	70 00
Latania Borbonica	30	2 50	20 00

	Per 100	1,000	10,000
Livistona rotundifolia	$2 00	$17 50	
" Chinensis	1 00	7 50	$70 00
Phoenix Canariensis	30	3 00	27 50
Phoenix Roebelenii	1 00	7 50	
Musa Ensete	1 00	7 50	

PRICES UPON LARGER QUANTITIES UPON APPLICATION

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., N. Y. City

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KENTIA SEED New Crop. Just received from Australia Per 1000 seeds
Belmoreana and Forsteriana $5.00
Canterburyana 25.00
We are booking orders now for Harrisii and Formosum and other Japan Lilies, also Roman Hyacinths and Paper White Narcissus.
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CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
STOCKS—"Burnett's Perpetual White.
CAULIFLOWER—Burnett's Selected "Snowball."
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Write for our Illustrated Catalogue

BURNETT BROS.,
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Telephone 2223 Cortlandt

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Pint packages, 75 cents. per dozen, $6.00 per 100; quart packages, $1.50 per dozen, $12.00 per100; bushel (16 lbs.), $2.75

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IMPROVED CHINESE Finest grown large flowering, fringed, single and double, 18 varieties, mixed, 600 seeds, $1.00; 1000 seeds, $1.60; half pkt., 50c. Have the varieties separate, also.

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CINERARIA Finest large-flowering dwarf, mixed, 1000 seeds, 50c.

GIANT PANSY The best large flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c.; oz., $2.60. 500 seeds of Giant Mme. Perret Pansy Seed added to every $1.00 pkt.

CASH. Liberal extra count.
We can please you.

JOHN F. RUPP, SHIREMANSTOWN, PA.
RUPPTON: The Home of Primroses

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ENGLISH AND AMERICAN

VAUGHAN'S SEED STORE
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Watch for our Trade Mark stamped on every brick of Lambert's

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Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

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Seasonable **Seeds** for the **Florists**
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TUBEROSES

	100	1000
PEARL DOUBLE. No. 1, large, 4/6	$0.90	$7.00

ELEPHANT'S EARS (CALADIUMS)

	Doz.	100
7/9-inch	$0.50	$3.00
9/11-inch	.85	6.00
11/12-inch	1.50	10.00
12/18-inch	2.00	15.00

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Fresh, just in from Japan. Per lb.

10-lb. lots	$0.10
25-lb. lots	.08
100-lb. lots	.07½
Case (300 lbs.)	$21.00

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Flower Seeds, Market Garden and Field Seeds, all kinds of Tender and Hardy Plants, Tuberoses, Dahlias, Gladioli, Small Fruits.

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Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

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ALL COLORS
SEND FOR LIST

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GOOD VALUES

CALADIUMS

(ELEPHANT'S EARS)

	Per 100	Per 1000
5-7 inches in circumference	$1.25	$10.00
7-9 " "	3.00	25.00
9-11 " "	5.00	45.00
11-14 " "	9.00	80.00

250 Bulbs at 1000 Rate

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	Per 100	Per 1000
Giant Mixed	$3.00	$27.00

Write for prices of Gladioli, Cannas, Dahlias, Peonies, etc.

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CALADIUM esculentum, Fancy Caladiums from Brazil.
GLADIOLI, all sorts. Japan IRIS. Japan LILIES.
Double-flowering CHERRIES.
Send for our new Spring list.
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	Per 100	1000
BEET PLANTS	$0.20	$1.25
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EGG PLANTS	.40	2.00
LETTUCE PLANTS, Grand Rapids, Big Boston, Boston Market and Tennis-Ball, 10,000 and over at 85c. per 1000	.20	1.00
PEPPER PLANTS, Bull Nose, Sweet Mountain and Ruby King.	40	2.00
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TOMATOES, Small Plants of Stone, Paragon, Favorite and Success	.20	1.00

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Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck and Pactole.

LILIES, IRIS, CINNAMON VINES and other bulbs for Spring planting.

Send for prices.

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GLADIOLI
and Other Bulbs

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ADVANCE ORDERS NOW TAKEN FOR CHOICE GRADES OF
Seven-Top Dixie Frost King Prize Taker

Now in full bloom on Bloomsdale Farm. Contract Price, $200 per Thousand Pounds.

Plants from this Seed of hardy Northern breed, very superior to the less hardy Southern type stand any amount of snow and ice without injury.
The Seed will be harvested about the 20th of June and ready for shipment about the 1st of July.

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BRISTOL, PENNA.

Also KALE—Dwarf German, $20 per 100 lbs.
Siberian . . . 18 per 100 lbs.

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I Sell Aphine
I Sell Privet
I Sell Everything for the Florist and Private Trade

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Seedsman and Florist
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NEW YORK
Telephone, 2019 Cortlandt
Correspondence Solicited

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RICKARDS BROS., Props.
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Seeds, Bulbs, Plants, Etc.
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BOSTON, MASS.
SEEDS
For Florists, Market Gardeners and Critical Buyers
Wholesale list mailed to those using seeds in quantity

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ASPARAGUS PLUMOSUS NANUS
NEW CROP
100 Seeds..... $0 50 500 Seeds $2.00
1000 Seeds $3.50
Our Flower Seed Catalogue free on application
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CABBAGE SEED
MANGOLD, SWEDE, TURNIP SEED
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
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Tuberoses SPECIAL OFFER
DWARF DOUBLE PEARL, $1.00 per 100, $7.50 per 1000.
WEEBER & DON
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SEEDS Asters, Cineraria, Cyclamen, Mignonette, Stocks, Giant Pansy, Primula Chinensis, Gigantum, etc. 25 cents pkt.
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Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.

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AMERICAN SEED TRADE ASSOCIATION

President, J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard H. Vaughan, Chicago. **28th Annual Convention at Atlantic City, N. J., June 21, 22 and 23.**

IMPORTS, ETC.—April 25.—C. J. Nordstrom, 1 case living plants. April 26.—R. J. Godwin & Sons, 1 case plants. April 27.—H. F. Darrow, 54 cases plants; Lunham & Moore, 6 cases plants; McHutchison & Co., 257 packages plants and trees; Maltus & Ware, 84 cases plants. April 28.—Maltus & Ware, 7 cases Orchids and plants. May 1.—Rooney & Spence, 14 cases plants, 3 cases trees; F. S. Pearson, 1 case plants; Maltus & Ware, 5 cases Orchids; Hussa & Co., 5 cases plants; F. B. Vandegrift & Co., 1 case plants; Bobbink & Atkins, 5 cases Ferns. May 2.—Maltus & Ware, 3 cases shrubs and trees; Rooney & Spence, 2 cases shrubs and trees.

European Notes

We are at last planting our Beets on our stronger and heavier land that has not been workable until the present time and even now is so rough and lumpy that it is doubtful if the plants can ever properly develop.

Only warm, gentle rains can help us and these are not forthcoming as we desire. Storms, tempests, even hail and snow we have had during the past seven days, but these only beat down and harden the soil that we have taken such great pains to lighten. Of field Beets (Mangels) we have plants in abundance in all the districts in Europe where these are cultivated, but the "hunger root" loves a strong soil and much of this is still far too humid to be cultivated; this is especially the case in France.

For the same reason the planting of Carrots has also been delayed and is not even yet complete. As was to be expected, many of the plants have perished during the inundation, so that in any case the acreage to be planted must be considerably reduced. This remark applies with equal force to the districts west, central and south, and all varieties are equally compromised. As a very moderate quantity remains on hand, higher prices are bound to rule again next season.

As regards Cabbage, it is pleasing to note that nearly all the plants that have survived have started to run. For this the mild Winter is no doubt responsible. This condition is especially true of Savoys, which are extremely promising at present. Broccolis and Brussels Sprouts are of little interest on your side, but are of extreme importance for

Last February one of our clients reported a cut of 30,000 salable blooms, from 5000 Horseshoe Brand "Formosa" bulbs size 6 to 8 inch. The reason he cut so many was simply because he bought the best the market afforded. "Formosas" are good for late Winter flowering and are very profitable in the smaller sizes. We do not recommend large sized Formosas at all. There is no brand superior to the Horseshoe Brand in Lily Bulbs and when you want to be practically sure of good bulbs, buy them.

Write for Catalog

RALPH M. WARD & CO.
12 West Broadway—New York

"Not How Cheap—But How Good"

Cold Storage Lily Bulbs, and Bamboo Canes ready for immediate delivery.

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We Would Announce the Opening of Our New Store
"BUDS"
76 Barclay St, NEW YORK
HIGH GRADE SEEDS BULBS and PLANTS
CARL R. GLOECKNER, Pres.

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Ferns in Flats—SEEDLINGS

Order Now for July—August Delivery

Japanese Lily Bulbs

FOR FALL DELIVERY **Special Quotations on Application**

McHUTCHISON & CO.

17 MURRAY STREET **NEW YORK**

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GRANDEST COLLECTION of ASTERS EVER OFFERED

100 Named Varieties, one plant each of every variety, $1.25; ½ doz. of each variety, $6.00; one doz. of each variety, $7.60.

Queen of the Market, Late Branching, Comet, Chrysanthemum Flowered, Peony Flowered, Victoria and Ostrich Plume, in the different colors, separate, 40c. per 100, $2.60 per 1000, $20.00 per 10,000, $1.75 per 100,000.

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Mixture No. 1. A superb Florists' Novelty Mixture including all the best cut-flower varieties from the earliest to the latest, furnishing flowers the entire season through, 50c. per 100, $3.25 per 1000, $30.00 per 10,000, $250.00 per 100,000.

Mixture No. 2. This is strictly a Florists' Mixture of standard varieties, not one objectionable variety in the lot, 35c. per 100, $2.00 per 1000, $18.00 per 10,000, $150.00 per 100,000.

National Co-Operative Show Gardens

SPENCER, INDIANA

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FAMOUS ASTER **Lady Roosevelt**

Last Special Offer of Seed This Season, ⅛ oz. 25c., ¼ oz. 40c. Order to-day and get my special Aster Plant Catalogue. Plants ready to ship by Mail or Express by May 10.

JOHN S. WEAVER

Box F Glen Mawr Seed Farms KINZERS, PA.

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Queen of the Market, Perfection, Ostrich Feather, all in best mixed colors; late branching, in white, pink and lavender, strong and stocky, ready to plant out, at $2.50 per 1000; 500 at 1000 rate, 5000 lots at $2.00 per 1000.

SWEET WILLIAM (Double), fine, strong, one year old plants, $1.00 per 100, $8.00 per 1000.

GUSTAV PITZONKA, Bristol, Pa.

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $6.00 per 100.

PEACOCK DAHLIA FARMS

Willamstown Junction, N. J.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

CANNAS

KING HUMBERT, CHAS. HENDERSON, EX. CRAMPBELL, MAD. CROZY, ALPHONSE BOUVIER, MLLE. BERAT, FLORENCE VAUGHAN, SOUV. DE ANTOINE CROZY.

Write for special prices, stating quantity wanted.

FRESH TOBACCO STEMS. Bale of 300 lbs. $1.75; Ton $9.00.

W. C. BECKERT

SEEDSMAN

103 Federal St., N. S., Pittsburg

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¼ Million Canna Plants

OVER 100 VARIETIES

Started in beds out of doors, strong well-rooted plants.

Prices range from $1.50 per 100 up, according to varieties and quantity wanted. Plants ready after April 15, they will be packed light in moss. Send us a list of your wants and let us quote you prices. We also have dry roots in many varieties.

Frank Cummings Bulb & Plant Co.

Canna Growers, MERIDIAN, MISS.

Please mention the Exchange when writing.

Canna Plants

750 Charles Henderson } 35 plants in a flat.
750 Alphonse Bouvier } $1.50 per flat.
These Cannas were grown in the flats.

VINCAS

400 Vincas, 3½ inch pots, $3.00 per 100.

QUIDNICK GREENHOUSES

J. H. Cushing, Prop., Quidnick, (Anthony P. O.) R. I.

Please mention the Exchange when writing.

Look!!! Cannas

3000 KING HUMBERT, 3-in., $4.60 per 100.
3000 SALVIA Splendens, 2¼-in, $1.50 per 100.
VIOLETS, Swanley White, 2½-in., $2.00 per 100; Fall rooted plants, $10.00 per 1000.

The above stock is fine.

A. B. CAMPBELL, Cochranville, Pa.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON

ATCO, N. J.

Please mention the Exchange when writing.

Cannas—Cannas

Splendid plants in 3½-inch pots, with 6- to 8-inch tops; stocky, well-furnished plants, many of them showing flower heads:

Allemania, Crimson Bedder, Compte de Bouchard, David Harum, Florence Vaughan, Mrs. Kate Gray, Pennsylvania, Pres. Carnot, Souv. de Antoine Crozy, Yellow Crozy, etc.
$1.00 per dozen, $6.00 per 100.

King Humbert, Black Beauty, Emil Wieland, Wyoming, Mrs. Wm. F. Kasting, and **Little Gem.**
$1.25 per dozen, $9.00 per 100.

All strictly true to name. Packed free when cash accompanies the order.

J. T. LOVETT, Little Silver, N. J.

Please mention the Exchange when writing.

our home trade. The surplus crops of these are not likely to cause us any embarrassment. Of Kales it is a little too early to write, but we hope the shortage will not be too great.

EUROPEAN SEEDS.

American Notes

Retail Trade Very Active

From every section of the country, in the past week, have come the most satisfactory reports regarding the, so-called, retail counter trade. During the last few years this branch of the seedsman's business has increased by jumps and bounds, and especially so with the seed-houses of the larger cities; this condition, of course, is attributable to the wonderful development of suburban homes that the innumerable land companies all over the United States are so strenuously encouraging. Every "commuter" now has his garden. This trade, which will continue well into June, should receive the most attentive care; it is cash trade and at lucrative prices.

Those seedsmen who cater especially to the wholesale trade are still very busy with the "filling in" orders that always assume large proportions about the first of May, as the rush of the retail counter trade demands that seed stocks be kept intact for some weeks yet. The comparatively cool weather of the last few weeks has held back nursery stock quite a little, and the seedsmen are yet making shipments in this department. Vegetable and bedding plants have never enjoyed larger sales, and there is still ahead several weeks of good business in these. From now on there will be ample opportunity to devote to each customer time and attention sufficient to ascertain all his needs and fill his order in the very best manner; no stone should be left unturned to make every possible sale while the season still lasts.

Nasturtiums

Just as Sweet Peas enjoy their largest month of sales through April, so will Nasturtiums during May, if proper attention is devoted to them. Nasturtiums require that the weather be warm and settled before they are planted; and it is this fact that renders them such excellent subjects for May and June sales in the line of flower seeds. The tall or climbing Nasturtiums will be found the largest sellers; the dwarf-growing varieties, however, are in very much more demand than they used to be, even a few years ago; but when a customer simply asks for Nasturtiums, always give him the tall sorts, as many garden makers are not familiar with the dwarf varieties. Try to sell not less than ounce packages, if you can so prevail upon your customer, as Nasturtiums need fairly thick planting, and the short row that even an ounce will sow is as little as will give a satisfactory result. As with other flower seeds, a good mixture of colors will be found on the whole most satisfactory to the average buyer; and such mixtures of both tall and dwarf Nasturtiums can be sold at retail, at a good profit, for ten cents per ounce. In regard to the named varieties and special colors of Nasturtiums, it will be found that these can be obtained readily, as needed, from your wholesale seedsman; and that if an ample supply of both the tall and dwarf mixtures are carried in stock practically all customers will be satisfied. Push Nasturtiums very prominently, well into June.

The Plant Auction Sales

The plant auction sales which, as usual, are being held this season in the larger cities, have, so far, been more than average satisfactory. Perhaps the reason for these sales drawing larger attendance, and the stocks sold bringing more lucrative prices than ever before, may be attributed to the fact, which is being generally recognized, that the better the quality is in the stocks offered, the more satisfactory are the results obtained; for, as a general rule this year, the offerings at these auctions of nursery stock, bedding plants, decorative plants and bulbs have been of much better quality than in past seasons. Years ago, when these auction sales were first inaugurated, the seed trade were very much opposed to them on the ground that their retail business would be interfered with, but just the opposite has proved to be the case, it turning out that the more offered in this line the greater the demand experienced by the seedsmen for nursery stock, plants and bulbs, until it has come about that we all now recognize the importance of these auctions for clearing

J. BOLGIANO & SON

WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS

BALTIMORE, MD.

Please mention the Exchange when writing.

PANSIES

Fall Transplanted, Finest Mixed, also 5 separate colors, in bud and bloom; $10.00 per 1000, $1.25 per 100.

GERANIUMS

S. A. Nutt, 2-in., $2.00 per 100, $18.00 per 1000; 3-in. stock will be ready latter part of May, in bud and bloom, at $4.00 and $5.00 per 100.

COLEUS

Verschaffeltii, 2-in., $15.00 per 1000, $1.75 per 100; Rooted Cuttings, $5.00 per 1000.

Cash Please.

RUDOLF NAGEL, LANCASTER PA.

Please mention the Exchange when writing.

GIANT EXHIBITION PANSIES

$1.00 per 100, $10.00 per 1000.
FORGET-ME-NOTS, BELLIS PERENNIS, large plants, $1.00 per 100, $10.00 per 1000.
SWEET WILLIAM, 3-in., $3.00 per 100.
SALVIAS, Bonfire and Zurich, 3-in., $4.00 per 100; 2¼-in., $2.00 per 100.
HELIOTROPE, Blue, 4-in., $6.00 per 100.
VERBENAS, PETUNIAS, Star, and Giants of California, 2¼-in., $2.00 per 100.
CANNAS, Austria, 3-in., $4.00 per 100.
STOCKS, 3-in., $3.00 per 100.
DRACAENAS, 5-in., 20c. each; 6-in., $40.00 per 100.
VINCA Variegata, 4-in., $8.00 per 100.
SMITH'S MOON VINES, 4-in., $8.00 per 100.
AGERATUM, Blue Perfection; DWARF PHLOX, and HARDY CHRYSANTHEMUMS, 2¼-in. pots, $2.00 per 100.

Vegetable Plants

Strong and transplanted.
CABBAGE, Wakefield, 50c. per 100, $4.00 per 1000.
TOMATOES, Dwarf Stone, Acme, Earliana, Tenderloin, and Stone, 50c. per 100, $5.00 per 1000.
LETTUCE, 25c. per 100.
Sweet Potato Plants later, $1.60 per 1000.

J. S. BLOOM

RIEGELSVILLE, PA.

Please mention the Exchange when writing.

Pansy Plants

Large plants in bloom, $1.25 per 100, $10.00 per 1000; smaller plants that will bloom soon, at $2.00 per 1000.
DAISIES (Bellis), FORGET-ME-NOT, in bloom, $1.50 per 100, $12.50 per 1000.
CINERARIAS, 4-in., bud and bloom, $6.00 per 100.
STOCKS and DUSTY MILLERS, 2½-in. pots, $2.00 per 100, 300 for $5.00.
CABBAGE PLANTS, ready for field, $1.25 per 1000, 5000 for $5.00.

J. C. SCHMIDT

BRISTOL, PA.

Please mention the Exchange when writing.

PANSIES

GIANT YELLOW PANSY PLANTS, with dark center, in full bloom, $1.25 per 100, $10.00 per 1000. Mixed Colors, all sold.

Cash with order.

PETER BROWN, 124 RUBY STREET **Lancaster, Pa.**

Please mention the Exchange when writing.

PANSY PLANTS

Of my largest flowering Mixture of Show Varieties, unsurpassed quality, short, bushy, transplanted plants, in bud and bloom, at $1.25 per 100, $10.00 per 1000.

BELLIS Perennis (Daisies), largest double red and white, not transplanted, but fine strong plants commencing to bloom, at $2.00 per 1000; 500 at 1000 rate.

GUSTAV PITZONKA, Bristol, Pa.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

500,000 PANSIES BEST MARKET STRAIN GROWN

Grown from seed of our own raising, this strain is the result of over 25 years' careful selection and for size, form and substance and wide range of color in clear, brilliant self-s and novel shades and markings, they will be found unsurpassed. The colors are very evenly assorted and the growth is very strong and stocky. Fall transplanted plants ready to bud and bloom.
Price $10.00 per 1000. Larger Sizes $15.00 and $20.00 per 1000.
EXPRESS ONLY CASH WITH ORDER

I. E. COBURN, - 291 Ferry Street, - EVERETT, MASS.

Please mention the Exchange when writing.

READY NOW
250,000
SUPERB STRAIN
PANSIES

Fall transplanted pansies in bud and bloom. A trial order will convince you that our Superb Strain is the best you have ever handled. $1.25 per 100; $10.00 per 1000. Cash with order.

Leonard Cousins, Jr.
Concord Junction, Mass.
Largest Grower of Field-Grown Pansies in America

Please mention the Exchange when writing.

PANSIES

Fine cold-frame plants, in bud and bloom; $1.25 per 100.
PANSY Snow Queen, pure white, large plants in bud and bloom, $1.25 per 100.
PANSY SEED, finest mixture, $1.00 per pkt. of 4000 seeds, $5.00 per oz.
Cash with order.

E. B. JENNINGS, Lock Box 254 **Southport, Conn.**
Grower of the Finest Pansies
Please mention the Exchange when writing.

Bargains In Pot-Grown Plants

Ready for market at once.
ABUTILONS, 3½-in., 6 varieties, in bloom, $6.00 per 100.
AGERATUM, Blue or White, 2½-in. pots, strong plants, $2.00 per 100; Rooted Cuttings, 75c. per 100.
ALYSSUM Large Giant or Little Gem, 2½-in., $2.00 per 100.
BEGONIA Vernon, in bloom, 3-in., $6.00 per 100.
BEGONIAS, Flowering, 8 fine varieties, 4-in., in bloom, $10.00 per 100.
CANNAS, Large-flowering, any color, 20,000 from 4-in. pots, fine stock, $6.00 per 100.
COLEUS, Golden Bedder, Verschaffeltii, or decorative varieties, from 2½-in. pots, $2.50 per 100.
FUCHSIAS, Storm King, Little Beauty, or 8 varieties mixed, in bloom, 4-in., $8.00 per 100.
FUNKIAS, variegated (Day Lily), $6.00 per 100.
GERANIUMS, 30,000 from 4-in. pots, fine plants, in bloom, of 10 Standard Varieties, $7.00 per 100.
HELIOTROPES, 4-inch, 3 kinds, fine plants, $8.00 per 100.
MARGUERITES, 4-in., in bloom, $6.00 per 100.
PANSIES, Fine Varieties Mixed, transplanted plants, $1.25 per 100.
HARDY PHLOX, of 6 leading varieties, field-grown clumps, $4.00 per 100.
PRIMULA OBCONICA, fine plants, full of bloom, mixed colors, 4-in., $6.00 per 100.
SALVIAS, Bonfire, strong plants, from 2½-in. pots, $2.50 per 100; 3-in., $3.00 per 100.
SMILAX, large plants from 2½-in. pots, $2.00 per 100.
VERBENAS, Fine Mixed Colors, in bud and bloom, 2½-in. pots, $2.00 per 100.
DUSTY MILLER, fine 4-in. plants, $6.00 per 100.

CABBAGE and TOMATO PLANTS, $2.00 per 1000, any varieties.
TOMATO PLANTS, extra large transplanted, $5.00 per 1000.
LETTUCE PLANTS, 5 kinds, $1.25 per 1000.
BEET PLANTS, $1.25 per 1000.
PEPPER PLANTS, 6 kinds, $7.50 per 1000.
Also all other kinds of Vegetable Plants by the thousand. Write me for special prices. A 1 Plants only. Liberal count given to help pay the express. Try them.

ALONZO J. BRYAN
Wholesale Florist, Washington, New Jersey
Please mention the Exchange when writing.

PETUNIAS Single Petunias of Ruffled Giant, California Giant, and Ruffled, striped and blotched. A No. 1 stock, 2¼-in. pots, $2.00 per 100, $18.00 per 1000.
GERANIUMS, 4-in., in bud and bloom, Nutt, Ricard, Viaud, Peter Henderson, Buchner, Poitevine, and Rose Geraniums, $6.00 per 100, $50.00 per 1000.
LOBELIA, Crystal Palace, 2¼-in., $2.00 per 100. Cash please.

S. A. PINKSTONE, 206 Court Street UTICA, N. Y.
Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

away surplus stocks, which they certainly do without the least interference with the regular retail trade. V.

New York Seed Trade

Retail counter business continues active, and while the extreme rush is past our seedsmen all look for continued good trade in this direction until Memorial Day. During the past week vegetable and bedding plants have been in perhaps the best demand of the entire season thus far. Seed stocks are all pretty well cleaned up, no surpluses of any moment being reported.

The trade will regret the death of Wm. MacFarland, who recently has been with R. & J. Farquhar & Co. of Boston. The deceased was many years with Peter Henderson & Co. and also with J. M. Thorburn & Co. Mr. MacFarland was a cousin of George Burnett of Burnett Bros.

The Stumpp & Walter Co. have been shipping large quantities of nursery stock the past week.

Isaac S. Hendrickson, manager of John Lewis Childs' wholesale department at Floral Park, was in town a few days since and reports that the wholesale bulb business with them the past season has been very satisfactory.

William Elliott & Sons report that their trade in rustic work productions is exceptionally good, they having disposed of twice the quantity they did last year up to this time.

The Aphine Manufacturing Co. is putting up Aphine in pints and half-pints. This is being done in response to the many inquiries from the owners of small gardens.

Watson C. Woodruff of S. D. Woodruff & Sons, will, with his family, make an extended trip to Europe in June, partly for business and partly for pleasure.

Boddington's new departure in seedsmen's advertising, as commenced last week and continued again this week in the EXCHANGE, under the caption "Boddington's Store News," is attracting much favorable comment.

J. M. Thorburn & Co., in the past week received from Australia new crop Kentia Palm seeds.

Philadelphia Seed Trade

The rush season is over. The mail order trade especially has fallen off, but there is still a brisk counter trade, and seedsmen are comfortably busy.

There is beginning to be a strong call for Lima Beans. Some stocks are becoming scarce, especially Red Valentine Beans in the seed line, Tuberoses in the bulb line, and Cycas stems, particularly in the small sizes; in fact, one seedsman states that Cycas stems will be practically out of the market within two weeks, and that southern Tuberoses are damaged through becoming too dry, and the supply from that source will be curtailed.

At Henry A. Dreer's there is a very full window display this week of the smaller tools, etc., for use in garden, orchard and on lawns. Among them are noted pruning shears of all sizes and shapes, and about twenty-five different kinds of hose nozzles and lawn sprinklers. Taken altogether it is a very interesting display.

The Johnson Seed Co. report very heavy sales of Cycas stems, and seed field Corn. Mr. Sherry of the company was off duty nearly all last week on account of illness, but he is now in the store again.

Mr. Stokes of the Stokes Seed Store is taking a few days rest and recreation at his cottage in the Pocono Mountains. Mr. Stokes is a veteran disciple of Isaac Walton, and an enthusiastic one too, and he expects to bring back with him from his trip as many fine brook trout as the law allows from the waters of Swift River and the lake.

The Moore Seed Co. reports a heavy sale of all garden requisites this week.

The Henry F. Michell Co. is having a very heavy sale of the roots and bulbs which they are now advertising.

Seedsmen are now finishing the placing of all orders for Dutch and French bulbs. The bulb growers' agents who are now in this country will nearly all have sailed to Europe by the middle of May.

SURPLUS STOCK

LILIUM AURATUMS
8 to 9 inches (130 in a case), $4.50 per case

LILIUM SPECIOSUM ALBUMS
8 to 9 inches (220 in a case), $13.00 per case

CYCAS STEMS
3 to 8 lbs. (300 lbs to a case), $16.50 per case

Prices F. O. B. New York. Sold only in case lots. Stock limited. Order at once.

BAMBOO STAKES
Natural and green, various sizes always on hand

YOKOHAMA NURSERY CO., Ltd. 31 BARCLAY ST. NEW YORK

Please mention the Exchange when writing.

40,000 Vinca Variegata

Rooted Cuttings 90c. per 100, $8.00 per 1000.
ASTERS, Market White, $3.00 per 1000.
PANSIES, Giant, $2.00 per 1000.
SWEET WILLIAMS, $2.00 per 1000.
SWAINSONA alba, 2-in., 2c.
GERANIUMS, Grant, etc., 2-in., $2.00 per 100.
FEVERFEW, Double White, small plants, 75c. per 100, $6.00 per 1000.
FEVERFEW, 2-in., $2.00 per 100.
VINCAS, 2-in., $2.00 per 100.
ALTERNANTHERAS, 2-in., $2.00 per 100.
CUPHEA, 2-in., $1.50 per 100.
Rooted Cuttings, prepaid per 100: Heliotrope, $1.00; Paris Daisy, yellow, white, $1.00; Cuphea, 75c.; Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, Rosea, P. Major, Aurea nana, 50c. per 100, $4.50 per 1000; Ageratum, 3 kinds, 60c.; Swainsona alba, $1.00; Dbl. Petunias, 10 kinds, $1.00.
Cash with order.

Byer Bros., Chambersburg, Pa.
Please mention the Exchange when writing.

TRADE LIST

FUNKIA variegata, strong plants, 4½-in. pots, $1.00 per doz.
CLEMATIS, large-flowering varieties, 2-year-old plants; Jackmanni, Henryi, Mme. Veillard, $3.00 per doz.
CLEMATIS paniculata, strong plants, $10.00 per 100; 3-in. pots, $6.00 per 100.
DRACAENA Indivisa, 4-in. pots, $10.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100. Seedlings from flats, 60c. per 100.
PASSIFLORA coerulea, 3-in. pots, $6.00 per 100.
ALTERNANTHERAS, four varieties, 2-in. pots, $2.00 per 100.
SWAINSONA alba, 2½-in. pots, $3.00 per 100.
ALYSSUM, Carpet of Snow, 2½-in. pots, $3.00 per 100.
PETUNIAS, Star and Rosy Morn, 2½-in. pots, $2.00 per 100.
CLEMATIS Vitalba, strong seedlings, $1.00 per 100; $8.00 per 1000. This is a very useful and fast growing variety of Clematis, bearing long sprays of sweet scented white flowers.
Plants from 2½-in. pots, $3.00 per 100: ACHYRANTHES; LOBELIAS, double and single blue; PARLOR IVY; VINCA variegata; AGERATUM, blue; COLEUS, Verschaffeltii, Golden Bedder, Queen Victoria, Quntricolor; GOLDEN FEATHER, ALYSSUM, Carpet of Snow, SWAINSONA alba, PETUNIAS, Star and Rosy Morn.
STOCK from 3-in. pots, $4.00 per 100: GERANIUMS, Rose and Nutmeg; LANTANA, Le Naine; FEVERFEW, The GEM; IVY GERANIUMS; IVY, Hardy English;, EUONYMUS radicans and Golden Variegated.
HONEYSUCKLE Halleana, and WOODBINE. Plants, from 4-in. pots, $1.50 per doz.
LEMON VERBENAS, 3-in. pots, $5.00 per 100.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

200,000 First Class Plants
All Fine Stock—Sure to Please
Geraniums, in bud and bloom, Nutt, Buchner, Double Grant, Poitevine, strong 4-in., $6.00 per 100; strong, 5-in., 2 to 6 branches, $9.00 per 100. Cannas; Heliotrope in bloom; Vinca Variegata; Lemon Verbenas; strong, 4-in., $5.00 per 100. Lemon Verbenas, 12 to 20 branches; Vinca Variegata, 5 to 9 vines; $6.00 per 100. Mme. Salleroi Geraniums; Ageratum, blue; Mammoth Verbenas; all stocky, 3-in., $2.50 per 100. Petunias, Dreer's Superb Single-flowered, 4 to 10 branches, 3-in., in bloom, $3.00 per 100. 30,000 Salvias, heavy, 3 and 4-in., in bloom, $3.00 and $4.00 per 100; 2 and 3-in., $1.75 and $2.50 per 100. 30,000 Coleus, 12 varieties; Ageratum; Mme. Salleroi Geraniums; all strong, 2-in., $1.50 per 100, $14.00 per 1000. Dracaena Indivisa, 6-in., $3.00 and $4.00 per dozen. Cash.
WM. S. HERZOG, Morris Plains, N. J.
Please mention the Exchange when writing.

SALVIAS
Nice healthy plants, out of 2½-inch pots
$20.00 per 1000.
Cash with order
MRS. W. RUMMLER
22 Broad Street, CARLSTADT, N. J.
Please mention the Exchange when writing.

MONTREAL, CAN.—N. S. Dunlop, director of the floral department of the Canadian Pacific R. R. has distributed 80,000 packets of seeds for use at the various stations of the system.

Jubilee Flower Show, Haarlem

This show was visited, between March 23 and April 17, by 82,418 people. The financial results have been so good that not only the costs of the show are already nearly paid, but a surplus may be expected. This result is a very pleasant one as the show had practically no subsidy from the State, or any public corporation, but was started by a guarantee fund.

The Queen Mother of the Netherlands paid a visit to the show on April 15, the first day of the second temporary show; this show, by far, has beaten the first special show.

Queen Wilhelmina and Prince Henry of the Netherlands have announced their official visit on May 26, and consequently the fourth temporary show will be held from May 26 to 29 instead of May 20 to 22.

The third temporary show, May 4 to 12, will have the character of a special Orchid show and is to be held under the auspices of the Netherlands club of Orchid amateurs.

Alfalfa as a Vegetable

Prof. A. B. Huckins of Nebraska City, one of the best known horticulturists in Nebraska, makes the announcement that Alfalfa makes far better greens, when properly prepared with a slice or two of bacon, than Dandelions or anything of that nature. He has an acre field which he uses for no other purpose and cuts the tops off of the plants when they are young and tender.

The Garden of Congress

This is the green and happy season of the year, when the thoughts of com-

ROSES

Own Root, Fine Stock

White Killarney, 2¼-in., $1.50 per doz., $8.00 per 100. Chatenay, Carnot, Kaiserin, Killarney, Perle, Richmond, Sunrise and Sunset, $5.00 per 100. Bride, Bridesmaid, Golden Gate and Uncle John, $4.00 per 100; 3-in. pots, $7.00 per 100, $60.00 per 1000.

GRAFTED, Fine Stock

My Maryland, 3-in., $18.00 per 100. Bride, Bridesmaid, Carnot, Chatenay, Enchantor, Golden Gate, Kaiserin, La France, Mrs. Jardin, Rhea Reid, Uncle John, Wootton, strong 1 year, grafted, 3-in. pots, $15.00 per 100; strong 1 year, own root, $8.00 per 100. This stock is fine for planting outside.

VERBENAS

Mammoth, in bud and bloom, $3.00 per 100.

CHRYSANTHEMUMS

Mrs. Clay Frick, Golden Dome, Golden Glow, Mlle. A. Laurent, Money Maker, White Shaw, Yellow Eaton. Rooted Cuttings, $2.00 per 100, $15.00 per 1000.

A. J. Balfour, Autumn Glory, Ada Spaulding, Cullingfordii, Dr. Engnehard, Dorothy Devens, Early Snow, Glory Pacific, Harry May, H. W. Beiman, Ivory, Jeanne Nonin, J. E. Lager, J. K. Shaw, Maud Dean, Meta, Mrs. Jerome Jones, Miss Alice Byron, Mrs. Baer, Mrs. B. McArthur, Maj. Bonnaffon, Nagoya, Polly Rose, Riverside, Robt. Halliday, Timothy Eaton. Rooted Cuttings, $1.50 per 100; 2¼-in. pots, $3.00 per 100, $25.00 per 1000.

CANNAS

From 3½-in. pots, 30 fine varieties, $6.00 and $8.00 per 100.

MISCELLANEOUS PLANTS

Ready for Immediate Sales.

	Size Pots	100
ALYSSUM	2¼	$3.00
ACHYRANTHES, 5 sorts	2¼	3.00
ABUTILON Savitzii	2¼	4.00
ABUTILON Savitzii	3	6.00
AGERATUM Blue and White	2¼	3.00
AGERATUM, Blue and White	3½	4.00
ALTERNANTHERA, Red and Yellow	2¼	3.00
AMPELOPSIS Veitchii	3	8.00
ASPARAGUS Sprengeri	2¼	4.00
ASPARAGUS Sprengeri	4	8.00
ASPARAGUS Plumosus	2¼	4.00
ASPARAGUS Plumosus	3	6.00
BEGONIA Erfordi, Pink and White	2	3.00
BEGONIA Crimson Bedder	2	4.00
BEGONIA Flowering Sorts	3	6.00
BEGONIA, Flowering Sorts	3½	8.00
CUPHEA Platycentra	2¼	3.00
COLEUS, All leading sorts	2¼	3.00
COLEUS, All leading sorts	3	4.00
DRACAENA Indivisa	5	25.00
DRACAENA Indivisa	4	15.00
ENGLISH IVY	3½	8.00
FEVERFEW, Double White	2¼	3.00
FUCHSIAS, Dble and Single	2¼	3.00
FUCHSIAS, Dble and Single	3½	7.00
GERANIUMS, Dble and Single	3½	$7.00
Special Varieties	3½	8.00
Double and Single	2¼	3.00
Ivy-leaved, Double	3½	8.00
Fragrant Rose, etc.	3½	8.00
Fancy-leaved	3½	8.00
HELIOTROPE, Light and Dark	2¼	3.00
Light and Dark	3½	6.00
IVY, GERMAN	2¼	3.00
LANTANAS in variety	3	5.00
LOBELIAS, New Double Blue	2¼	4.00
LOBELIA, New Double Blue	3	5.00
MOONVINE, True White	2¼	4.00
MOONVINE, True White	4	10.00
PETUNIAS, Dreer's Single Fringed	2¼	3.00
SALVIAS, Splendens and Bedman	4	6.00
Splendens and Bedman	2¼	3.00
New Early Flowering	2¼	4.00
SMILAX, strong	3	3.00
STEVIA compacta	2¼	3.00
STEVIA Variegata	2¼	3.00
TROPAEOLUM, Double	2¼	4.00
VINCAS, Variegata and Elegans	3	5.00
Variegata and Elegans	4	10.00
VIOLETS, Marie Louise, R. C.		1.50

Send for Catalog.

WOOD BROTHERS, FISHKILL NEW YORK

Please mention the Exchange when writing.

A Few Good Things You Want

DRACAENA Indivisa, 3-in., $5.00 per 100; 4-in., $10.00 per 100.

BEGONIA Rex, 2-in., $5.00 per 100.

ASPARAGUS plumosus, 2-in. $3.00 per 100; 3-in., $5.00 per 100. Cut sprays, 25c. per bunch.

ASPARAGUS Sprengeri, 3-in., $5.00 per 100.

GERANIUMS, Nutt, Doyle, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 3-in., $3.00 per 100.

FERNS, Whitmani, 4-in., 25c. each. Boston, 4-in., 15c. each; 5-in., 35c. each.

COLEUS, ALTERNANTHERAS, red and yellow, VERBENAS, HELIOTROPE, CIGAR PLANT, SALVIA (Scarlet Sage), Zurich (always in bloom), VINCA Variegata, 2-in., stock of these, $2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'e properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

Bedding Stock a Specialty

GERANIUMS, out of 4-in. pots, in bud and bloom, S. A. Nutt, Poitevine, Castellane, La Favorite, Buchner, Doyle and Gloire de France, at $6.00 per 100, or $50.00 per 1000.

VARIEGATED VINCA VINES, 4-in. pots, $7.00 per 100; 2½-in. pots, $2.50 per 100.

SALVIA Bonfire, 2½-in. pots, $2.00 per 100; 4-in. pots, $5.00 per 100.

VERBENAS, 2½-in. pots, $2.50 per 100, $20.00 per 1000.

HELIOTROPE, 4-in., $6.00 per 100.

DRACAENA Indivisa, 5-in. pots, $20.00 per 100.

All stock in first-class condition. Ready for shipping now. Please state how you wish shipments made. Cash with order, please.

E. L. RILEY, Trenton, N. J.
R. F. D. No. 2.

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DRACAENA INDIVISA

Bench grown, 1 year, transplanted; $1.50 per 100, $12.00 per 1000.

Dwarf Alyssum, Giant Stocks, Senecio (Parlor Ivy), Feverfew, and Alexander Daisy, from 2½-in., all at the low price of $1.50 per 100. Strong Started Cannas, 1½c. each. Pansies and Daisies all sold.

Cash prices.

E. FRYER, Johnstown, Pa.

SEASONABLE PLANTS

DRACAENA Indivisa 4-in., $10.00 per 100.

CANNAS, Pennsylvania, $1.50; A. Bouvier, $1.50; Austria, $1.25; Italia, $1.75; B. Beauty, $2.50; Egandale, $1.50; Marlborough, $2.00; America, $1.25; D. Harum, $2.00 per 100.

HYDRANGEA Paniculata grandiflora, 2 to 3 ft., $10.00; 18 in. to 24 in., $6.00 per 100.

PRIMULA Obconica, 2-in., $1.50 per 100; 3-in., $4.00 per 100; 4-in., $6.00 per 100.

GERANIUM, Ricard, 2-in., $2.00 per 100.

FICUS Elastica, 5-in., $30.00 per 100.

ASPARAGUS Sprengeri, 2-in., $2.00 per 100. Plumosus, 2-in., $2.00 per 100.

ENGLISH IVY, R. C., 75c. per 100; var. R. C., 75c. per 100.

ENGLISH IVY, 2 in., $2.00 per 100.

FERNS, Scottii, 2½-in., $6.00 per 100; 3-in., $10.00 per 100; 4-in., $15.00 per 100; 5-in., $20.00 per 100; 6-in., $36.00 per 100.

FERNS, Boston, 3-in., $5.00 per 100; 4-in., $15.00 per 100.

J. H. DANN & SON
Westfield, N. Y.

HELLO! Here is a chance for

CHEAP SPRING STOCK

Geraniums, all varieties, in bud and bloom; Ageratums, new varieties; Begonia Vernon and Stocks, 4-in. pots, at $6.00 per 100.

Double Petunias, white, very large flowering and variegated varieties, and Flowering Vincas, 4-in. pots, $7.00 per 100.

Cannas, all varieties, 4½-in. pots, $7.00 per 100.

Hydrangeas, for planting out, 2½-in. pots, $3.00 per 100.

Periwinkle, very long vines, $10.00 per 100; nice plants, but not so long, $7.00 per 100, in 4-in. pots.

Coleus, in 10 fancy colors; Ageratum, Alternantheras, red and yellow; Cigar Plants, Ground Ivy, Sweet Alyssum, Petunias, Phlox, Pyrethrum or Golden Feverfew, Verbenas, Lobelia, long and short; Begonia Vernon, all in 3-in. pots, $2.50 per 100.

Cash with order, please.

MRS. J. H. CLAUS,
1119-21 Roy St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Why Delay Ordering Your Begonia Gloire de Lorraine?

You will soon want them sure. We are equipped better than ever to supply Excellent Stock; 2½-inch pots, twice transplanted, at $15.00 per 100, $140.00 per 1000.

CYCLAMEN, 3-inch pots, $7.00 per 100; 4-inch pots, $15.00 per 100.

POINSETTIAS, 2½-inch pots $5.00 per 100; $45.00 per 1000. Write us for Catalog.

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

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muters and other farmers lightly turn to early Peas, Squash and Turnips, not to say Cabbages and the Asparagus bed. And thrice happy be who knows and is known of a Congressman, that giver of all good things, including free seeds wherewith to plant. There lies upon our desk, through the courtesy of a friend desirous of arousing our envy, the batch of Governmental Beans, Peas, etc., which constitutes the handout in these regions. A friend of an honorable Congressman, he will plant, while we can but humbly record the contents of the cornucopia thus poured into his lap.

Of course, the seeds arrived in a neat package carefully franked by the donor. Thus if our friend had any doubts as to whom he should vote for at the next Congressional election, his hesitation is removed. And after the postman of a bankrupt Post Office Department had toiled up with this pleasant bundle, and the official seal was broken, there tumbled out a host of little packets all thus labeled:

U. S. Department of Agriculture.
Congressional Seed Distribution.

Please report the result of your trial to this Department.

A pleasantly humorous touch, this request for reports. Of course, the beautiful theory of the handout was and is that scientific researches are instigated, wherefrom the nation benefits. The words quoted above perpetuate this cheerful fiction. And as for the seeds, here is the list of labels before us:

Vegetables.—Pole Beans—Kentucky Wonder. Lettuce—Salamander. Turnips—White Flat, Strap-Leaved. Radish—Scarlet Turnip, White Tipped.

Flowers.—Morning Glory. Poppy, Double. California Poppy. Sweet Peas. Nasturtium (Climbing). Mignonette. Snapdragon. Candytuft.

There are general planting directions on the packets, too, with a few kind words about the several species. Thus the Morning Glory is declared to be "useful for covering unsightly fences and trellises." And the white, flat, strap-leaved Turnip is presented as "a very early, medium-sized, flat, disk-shaped root, pure white in color, sweet and tender." The whole proceeding is thus seen to be an excellent and complete charity, calculated to win the ballot of the hardiest opponent.

Had we but space it would be a pleasure to trace these flora to their source. Of course, as our friend, the donee, sees his pleasant garden sass erupt through the brown soil and lift its head to the airs of Spring, he will see but one face in all the varied array—the face of the thoughtful friend, the Congressional donor by whose bounty his garden grows. But to the impartial eye, each flower and vegetable will image some great man at Washington, whose peculiar self is pictured in the plant, fragrant or edible, beautiful or useful, as the case may be. * * * * * * *

Indeed, what pleasanter subject is there for the taxpayer to contemplate in these warm Spring days than his Congressional garden!—*N. Y. Sun.*

The Best Methods of Protecting Trees from the Ravages of Insects

This was the subject of a lecture at the Natural History Museum, Newport, R. I., on Saturday evening, March 19, by A. E. Stene, president of the Rhode Island Agricultural College. Before the lecturer was introduced letters were read from Messrs. James Robertson and H. F. Eldridge, expressing regret at their inability to be present. The following synopsis of the lecture is taken from the Newport News:

Mr. Stene prefaced his lecture by saying that Newport is one of the best forested places in the country and more attention is paid here to tree protection than in most places.

He then proceeded to describe and illustrate by pictures thrown on a screen the various insect pests which infest trees and shrubs. Many varieties of borers do much damage. There is one kind which attacks the Birches, another the forest trees and shade trees, still another makes the Willows and Poplars its prey. Most of these are difficult to deal with, as their work is done on the interior parts of the trees and is out of reach.

Scales of various sorts form another class of tree enemies. These are external in their work and may be controlled to a greater or less extent by spraying with proper solutions. The San Jose scale, the cotton cushion scale and the oyster shell bark louse were all spoken of.

Alternantheras

Strong Rooted Cuttings

	100	1000
P. Major, Red	$0.50	$4.00
A. Nana, Yellow	.50	4.00
Brilliantissima, Best Red	.60	5.00

R. R. DAVIS & CO., Morrison, Ill.

Please mention the Exchange when writing.

ORDER NOW For June Delivery

Begonia Gloire de Lorraine
2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen
2½-in., $5.00 per 100, $45.00 per 1000

Poinsettias
2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis
2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.
Scranton, Pa.

Please mention the Exchange when writing.

FIRST CLASS STOCK

	Doz.	100
DRACAENA Indivisa, 5-in.	$2.50	$20.00
VINCA Variegata, 4-in.	1.50	10.00
IVY GERANIUMS, 2½-in.	.50	2.50
GERANIUM Mme. Salleroi, 2-in.		2.00

PANSY PLANTS, field-grown, $1.00 per 100, $8.00 per 1000.

F. C. RIEBE, Webster, Mass.

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

Fine plants, from 4-in. pots, $8.00 per 100.

ASPARAGUS Sprengeri, strong, from 3-in. pots, $5.00 per 100.

SINGLE PETUNIAS, Dreer's Strain, fine plants, 3-in., $3.00 per 100.

DRACAENA Indivisa, 6 and 7-in., $20.00 per 100.

SALVIA, Splendens, Bedman and Zurich, 2-in., $2.00 per 100.

MOON VINES, Smith's Hybrid, the largest, whitest and sweetest, 2¼-in. pots, per 100, $3.00.

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

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Asparagus Plumosus Nanus

From 3-inch pots, $5.00 per 100; $45.00 per 1000, Cash with order please

FLORAL HILL GARDENS
G. F. NEIPP, Prop.
CHATHAM, N. J.

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CYCLAMEN

Splendens Giganteum Hybrids.

The strain which I offer is unsurpassable, in 5 colors including fringed varieties, from 2½-in. pots, $5.00 per 100, $45.00 per 1000; from 3-in. pots, $7.00 per 100, $65.00 per 1000. Now ready.

GERANIUMS

Alph. Ricard, John Doyle, Castellane, Mme. Thibaut, S. A. Nutt, Beaute Poitevine, E. G. Hill, Jean Viaud, Mme. Landry, Mme. Jaulin, La Favorite, extra well grown plants in bud and bloom from 3½-in. pots, $6.00 per 100, $55.00 per 1000. Satisfaction Guaranteed.

PAUL MADER, EAST STROUDSBURG, PA.

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

VOLUME 1 NUMBER 2

BODDINGTON'S STORE NEWS

SATURDAY, MAY 7th, 1910

PUBLISHED EVERY NOW AND AGAIN

Remember you may deduct 5% if cash accompanies order.

CANNAS

We are sold out of all Cannas, with the exception of the following varieties, and offer until sold at the prices quoted.

F. O. B. NEW YORK OR CHICAGO
FOR IMMEDIATE DELIVERY

RED-FLOWERING CANNAS

	100	1000
Exp. Crampbell, 5½ ft.	$1.50	$14.00

RED, GOLD-EDGED AND SPOTTED SHADES

Gladiator, 4 ft.	2.75	25.00
Indiana, 3 to 4 ft.	1.75	15.00
Mad. Crozy, 5½ ft.	2.00	17.50
S. de A. Crozy	2.00	17.50

PINK SHADES

Louise, 6 ft.	1.75	15.00
Mlle. Bernt, 4½ ft.	1.75	15.00

BRONZE-LEAVED, FLOWERING CANNAS

Egandale, 4 ft.	1.50	14.00
Shenandoah, 6 ft.	1.75	15.00

ORCHID-FLOWERING CANNAS

Italia, 4½ ft.	1.75	15.00
Kronos, 6 ft.	1.75	15.00
Mrs. Kate Gray, 6 ft.	1.75	15.00

Our Cannas are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at 1000 rate. It is cheaper for you to buy a box than 200 at 100 rate.

Not less than 25 of one variety at 100 rate or 250 of one variety at 1000 rate.

Chicago and Western agents for our Cannas:
WINTERSON'S SEED STORE
45-47-49 Wabash ave., Chicago, Ill.

CALADIUM ESCULENTUM

ELEPHANT'S EAR

Bulbs 6 to 8 inches in circumference, 200 in a case, 25c. per doz, $2.00 per 100, $15.00 per 1000.

Bulbs 8 to 10 inches, 100 in a case, 60c. per doz., $3.50 per 100, $30.00 per 1000.

Bulbs 10 to 12 inches, 75 in a case, 75c. per doz., $6.50 per 100, $50.00 per 1000.

Bulbs 12 to 13 inches, 50 in a case, $1.00 per doz., $8.00 per 100, $75.00 per 1000.

Full cases at 100 rate.

TUBEROSES

"RED SEAL BRAND," EXCELSIOR PEARL

4 to 6 inches 75c. per 100, $6.50 per 1000; 5 to 7 inches, $1.00 per 100, $7.50 per 1000; 6 to 8 inches, $1.25 per 100, $12.00 per 1000.

GLADIOLI

America. This beautiful new Gladiolus is likely to produce as great a sensation as the now famous Princeps. The flowers, which are of immense size, are of the most beautiful flesh-pink color, and, as a florist who saw it said, it is "fine enough for a bride's bouquet." 50c. per doz., $3.25 per 100, $30.00 per 1000.

1900. Nothing finer for florists' use. Rich shade of red with very prominent white spots on three lower petals. $2.00 per 100, $15.00 per 1000.

Groff's Hybrids (originator's strain). $1.25 per 100, $10.00 per 1000.

Shakespeare. White and rose. $4.75 per 100, $45.00 per 1000.

May. Pure white, flaked rosy crimson, the best forcer selected bulbs. $1.75 per 100, $16.00 per 1000.

Brenchleyensis (true). Fiery scarlet; first size bulbs. $1.25 per 100, $9.00 per 1000.

Boddington's White and Light. Extra-selected bulbs, 1¾ inches and up. $1.50 per 100, $14.00 per 1000.

American Hybrids. A mixture of the choicest varieties of Gladiolus. $1.00 per 100, $9.00 per 1000.

Pink and Rose Shades. $1.50 per 100, $14.00 per 1000.

Lemoine's Hybrids. $1.50 per 100, $12.00 per 1000.

Finest All Colors Mixed. 75c. per 100, $7.00 per 1000.

DAHLIAS

After considerable consideration and observation, and "talks" with the trade, we have decided to offer the following Dahlias to florists this season. Our retail Catalog, which will be mailed free, contains a larger collection, but few are superior to the following and all are good size, divided clumps that have been field-grown and are strong and healthy.

Price of all the below-named varieties of Dahlias, large divided clumps or roots, except where noted, 10 cts. each, $1.00 per doz., $3.00 per 100, $75.00 per 1000.

Jack Rose (Decorative type). The variety Jack Rose is rightly named and is a florist's Dahlia, "from the ground up." The color is similar to the Jacqueminot Rose, and is a unique color in the Dahlia, which lights up beautifully at night. The habit of the plant is stocky, very free-flowering. Producing its blooms in great profusion, upon erect, long, stiff stems, making it invaluable for cutting. You cannot afford to be without it, if you sell cut-flowers. 35c. each, $3.50 per doz., $25.00 per 100.

DECORATIVE DAHLIAS

Sylvia. Best described as a Giant Nymphæa, being stronger, larger and deeper colored. Flowers 4 to 6 inches in diameter, of fine form and full to the center, which is white, shaded to soft pink on the outer petals. One of the best cut-flower varieties. 10c. each, $1.00 per doz., $7.50 per 100.

Catherine Duer. Crimson-scarlet.

Clifford W. Bruton. Best yellow. 10c. each, $1.00 per doz., $7.50 per 100.

Frank L. Bassett. Bright purple, shading to blue.

Lyndhurst. Bright scarlet.

Maid of Kent. Cherry-red, tipped white.

Nymphæa. Color clear, light shrimp-pink.

Orange King. Rich glowing orange; early and profuse.

William Agnew. Rich, dazzling red; immense size.

CACTUS DAHLIAS

Berlichingen. Deep crimson-carmine shading to bright carmine at the tips.

Bravo. Rich Jacqueminot-red; one of the best for cutting.

Countess of Lonsdale. Amber and salmon. 10c. each, $1.00 per doz., $7.50 per 100.

Earl of Pembroke. Bright plum. 15c. each, $1.50 per doz., $12.00 per 100.

Helene. Center creamy.

Kriemhilde. One of the finest pink Cactus Dahlias. 10c. each, $1.00 per doz., $7.50 per 100.

Libelle. A fine purple.

Ortwin. Beautiful salmon-flesh.

Standard Bearer. Brightest scarlet; profuse bloomer. 15c. each, $1.50 per doz., $12.00 per 100.

SHOW AND FANCY DAHLIAS

A. D. Livoni. Beautiful soft pink; early and profuse bloomer. 10c. each, $1.00 per doz., $7.50 per 100.

Arabella. Pale primrose, tipped and shaded old rose and lavender.

Grand Duke Alexis. Very large white, tinted pale lavender.

Glowing Coal. Brilliant red.

Green's White. One of the best whites for cutting.

Harlequin. Brilliant crimson, striped and tipped white.

John Thorpe. Very large; soft rich pink.

Meaheddy Beauty. Fancy buff, with crimson spots, free long stems, large bloom. 8c. each, 80c. per doz., $6.00 per 100.

Frank Smith. Rich, dark purple maroon, tipped pinkish white. A superb flower. 25c. each, $2.50 per doz.

Red Hussar. Pure cardinal, red flower, very free bloomer, splendid for cutting.

White Swan. Snow-white, with long stems.

SINGLE DAHLIAS

The 20th Century. Intense rosy crimson, with white tips and white disc around yellow center. 10c. each, $1.00 per doz., $7.50 per 100.

DAHLIAS TO COLOR

We can also furnish, without names, in mixture, all colors separate, or all colors mixed, as follows:

Mixed Pinks, Mixed Whites, Mixed Reds, Mixed Yellows. 75c. per doz., $5.50 per 100, $50.00 per 1000.

Mixed, all colors. 60c. per doz., $4.50 per 100, $40.00 per 1000.

HARDY CLIMBERS, Etc.

AMPELOPSIS Strong Dutch-Grown

Quinquefolia (American Ivy, or Virginia Creeper). Good for covering walls, verandas, or trunks of trees; affords shade quickly. 25c. each, $1.75 for 10, $15.00 per 100.

ACTINIDIA ARGUTA

A desirable Japanese climber of strong, vigorous growth, with dark green, shining foliage and white flowers with purple centers, which are followed by clusters of edible fruit. An excellent plant for covering arbors, trellises, etc., where a rapid and dense growth is desired. Strong plants, 25c. each, $2.50 per doz.

CLEMATIS

Henryi. Pure white; extra large.

Alba. White.

Jackmanni. Purple.

Sieboldi. Lavender.

Ville de Lyon. Brilliant carmine-red; as good as Mme. Edouard Andre, but contrary to this one, is very free-growing.

Extra-strong plants, 30c. each, $2.75 for 10, $25.00 per 100.

Clematis paniculata. Strong, 2-year-old plants, $2.00 per doz., $15.00 per 100.

BIGNONIA (Trumpet Vine)

Radicans. Dark red, orange throat; free-blooming and very hardy. 20c. each, $2.00 per doz.

ARISTOLOCHIA SIPHO

Dutchman's Pipe. Strong, field-grown, 3 to 4 feet. 35c. each, $3.25 for 10, $30.00 per 100.

HONEYSUCKLE

Very extra-strong, Holland field-grown plants. 6 to 8 feet long, many branches.

Halliana. Yellow. $3.25 for 10, $30.00 per 100.

HYDRANGEA PANICULATA GRANDIFLORA

Two-year-old, 3 to 4 branches, bushy. $1.50 per doz., $10.00 per 100.

INCARVILLEA

INCARVILLEA Delavayi (Hardy Gloxinia) The foliage resembles that of the acanthus, while the blossoms appear like clusters of pink Gloxinias. Strong roots. 10c. each, 75c. per doz., $5.00 per 100.

CINNAMON VINE

Large-size bulbs. 50c. per doz., $3.00 per 100, $25.00 per 1000.

CALLAS, SPOTTED LEAF

(Richardia albomaculata)

Very free Summer-blooming variety. $3.00 per 100, $25.00 per 1000.

HYACINTHUS CANDICANS

HYACINTHUS Candicans (Cape Hyacinth) Large bulbs, $1.50 per 100, $12.00 per 1000.

MADEIRA VINES

Large bulbs, $1.25 per 100, $10.00 per 1000.

MONTBRETIAS

Crocosmaeflora. Orange-scarlet. 75c. per 100, $5.00 per 1000.

Etoile de Feu. Rich scarlet, yellow center. 75c. per 100, $6.00 per 1000.

Rayon d'Or. Deep yellow, very large. 75c. per 100, $5.00 per 1000.

Pottsii grandiflora. Bright yellow, flushed with red. 75c. per 100, $6.00 per 1000.

Soleil Couchant. Bright red. 75c. per 100, $5.00 per 1000.

JAPANESE IRIS

(Iris Kaempferi)

Named varieties, our selection, $1.25 per doz., $10.00 per 100, $75.00 per 1000. 25 at 100 rate, 250 at 1000 rate.

AMARYLLIS

Vittata Hybrids. These are grown especially for us and contain a remarkable range of colors from self pure white to darkest crimson, or flaked and striped. These are easily grown. Florists should certainly grow a few of this delightful plant that sells on sight. 40c. each, $4.00 per doz., $8.00 for 25, $30.00 per 100.

Belladonna major. $1.00 per doz., $7.00 per 100.

Johnsoni (Bermuda Spice Lily). Crimson flowers, white stripes. $1.75 per doz., $14.00 per 100.

ARTHUR T. BODDINGTON

SEEDSMAN Please mention the Exchange when writing. **342 West 14th Street, NEW YORK**

In recent years the Spruce trees have suffered from a poison injecting insect which causes galls or excrescenses to appear on the branches. Spraying before galls are formed, or cutting off the galls and burning them, are the remedies most effective.

The Elm tree beetle is a formidable enemy of the fine trees from which it is named. It Winters over if it finds partial protection. It moves slowly, but requires continual and persistent fighting to keep it under. The Rose chafer thrives on all kinds of poisons. It seems to be particularly fond of lead arsenate, a solution which is generally effective with pests of similar character.

The fact that the tussock moth has a wingless female suggests that banding trees with sticky substances or wire net will do much toward preventing the inroads of this insect. This moth has a parasite which attacks it with great vigor. In removing cocoons do not take those without egg masses for these have been attacked by parasites and in destroying these cocoons the parasite also is destroyed.

The gypsy moth which has caused such great trouble in neighboring States, has been found in Woonsocket and Cumberland. Intelligent and persistent work on the part of the tree commission in this State has resulted in reducing the numbers of the moth to one-eightieth of what it was when the work was begun. It has not been found south of Warren yet.

The brown-tail moth has a bad reputation for shedding minute hairs, which are barbed in such a way as to burrow into human flesh when they strike it, causing the so-called "brown-tail rash." It is an omnivorous feeder on foliage. It has been heard from within five miles of this city, though not yet seen within the city limits.

Fungi of various sorts also do much damage to trees. They grow for a long time inside the trees before making their appearance on the exterior.

Carelessness on the part of human beings ruins many trees. Drivers often leave teams so near trees that the bark is worn off by the rubbing of axles and whiffletrees. The escape of illuminating gas from leaky mains has been responsible for the death or serious injury of many trees.

Surrounding a tree with a granolithic or other sidewalks, with no chance for the roots to spread except into a macadamized street, is poor policy. It is much better to plant a tree in sod at the edge of the sidewalk.

The lecturer showed pictures of sprayers and fumigators of several kinds, and explained their uses.

The State has made a small appropriation for tree protection. It will help towns which will share the expenses. It is to be recommended that citizens and societies in Newport will bring the matter of tree protection to the attention of their representatives in the Legislature, that the appropriation now under discussion may be made ample for the purpose.

BALLSTON, N. Y.—The greenhouse of Fred Kemp was damaged by fire recently to the extent of $300.

LEE JUNCTION, ILL.—J. L. Lutz reports a loss on his nursery stock last Winter of over $500, by rabbits.

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard Garden, Lawn and Landscape Planting.

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Just Received From Our Holland Nurseries

Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

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STANDARD—TREE BOX—PYRAMIDAL

General List of Nursery Stock

Write for trade list — W. & T. SMITH COMPANY

64 Years — GENEVA, N. Y. — 800 Acres

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Evergreens Shade Trees Shrubs Privet

100 Acres at Nursery. Ask for quotations upon your own list of wants.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

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Shade Trees

A large stock of Lombardy and Carolina Poplars, Lindens and Maples.

Shrubs in assortment, including California Privet.

ROSES

Climbing Roses in variety. Soliel d'Or and Persian Yellow.

THE ELIZABETH NURSERY CO.

ELIZABETH, N. J.

Please mention the Exchange when writing.

Bay Trees—Boxwood

All shapes and sizes at lowest prices. Write and be familiar with my bargains.

F. W. O. SCHMITZ, Prince Bay, N. Y.

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LARGE TREES

OAKS AND MAPLES

PINES AND HEMLOCKS

ANDORRA NURSERIES

WILLIAM WARNER HARPER, Proprietor

Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

New Rose American Pillar

NO Climbing Rose is attracting the attention that "American Pillar" does, and most deservedly so. It is by far the best single-flowered climbing rose for outside purposes; and on account of the great durability of its flowers, it is the best single-flowered forcing rose.

July 12, 1909.

Gentlemen:
Let me tell you, too, that the American Pillar is a better Rose than you know, perhaps. The plant I had from you, which was planted this Spring under unfavorable conditions, is now giving us a succession of most exquisite bloom.
Yours truly,
J. HORACE McFARLAND,
Pres. of American Civic Association, Harrisburg, Penna.

COMMENT FROM THE LONDON GARDEN

"A most notable feature in this glorious display (Temple Flower Show in London) was the New 'American Pillar' Rose. The large and attractive rich rose pink blooms are produced in immense clusters, the white centers of the blooms adding to their attractiveness. —Florists' Exchange.

2½-inch pot plants, $1.50 per dozen, $8.00 per 100, $75.00 per 1000.

4-inch pot plants, $3.50 per dozen, $25.00 per 100.

The Conard & Jones Co.

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Evergreens Plant Now

ARBORVITÆ

Transplanted.

3 to 4 feet.....$40.00 per 100
2 to 3 feet..... 8.00 per 100

COLORADO BLUE SPRUCE (Koster's true)

Transplanted.

18 to 24 in.....$1.00 each, $80.00 per 100
12 to 18 in..... .75 each, 60.00 per 100

NORWAY SPRUCE

Transplanted.

3 to 4 feet.....$30.00 per 100
2 to 3 feet..... 8.00 per 100

NORWAY MAPLES

7 to 8 feet, (1 inch diameter) $15.00 per 100

CALIFORNIA PRIVET

2 yr., cut back, extra heavy.
3 to 4 feet....$4.00 per 100, $35.00 per 1000

BERBERIS THUNBERGI

Seedlings.

3 to 5 inches.....$8.00 per 1000
2 to 3 inches..... 5.00 per 1000

C. R. BURR & CO.

The Burr Nurseries

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VIOLET CULTURE

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A. T. DE LA MARE PTG. & PUB. CO.,

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NEW Hydrangeas

AVALANCHE (Snow-white)

LORRAINE (Pink)

Both are easy to grow and will keep better than any Hydrangea in cultivation.

2½ inch pots, ready to plant out, $5.00 per dozen.

LOUIS DUPUY

Whitestone, (L. I.) N. Y.

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INDOOR GRAPE VINES

Strong, one year old planting canes, just right for present planting.

In the following varieties:

MUSCAT OF ALEXANDRIA
BLACK HAMBURGH
BUCKLAND SWEET WATER
DIAMOND JUBILEE
MILTON CONSTABLE
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Price, $2.50 each (Two dollars and fifty cents)

SCOTT BROS. Elmsford Nurseries ELMSFORD, N. Y.

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Dianthus, Sweet William and Hardy Pinks

A fine assortment of strong plants, from 2½-inch pots, at $3.00 per 100.

F. O. B. our shipping point, Trenton, N. J.

200 SWEET WILLIAM—Single, red and white.
700 " " —Everblooming hybrid, Dianthus atrococcineus, fl. pl.
200 " " —Single, crimson.
1400 " " —Single, white.
1000 " " —Maroon.
200 HARDY PINKS—Dianthus plumarius sempervirens.
400 " " —Single, mixed.

The Wm. H. Moon Co., Morrisville, Pa.

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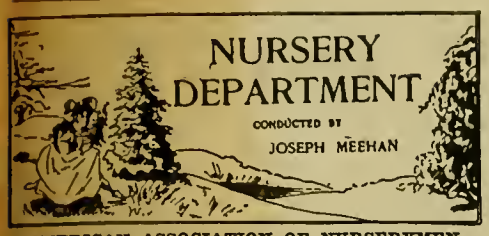

AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer. **25th Annual Convention at Denver, June 8, 9 and 10.**

For travel information in re the forthcoming Convention at Denver, and Program, see wide measure pages.

From an article, entitled "Plant Breeding Methods Applies to Trees," read by Dr. A. Henry before the Linnean Society, April 7, 1910, many interesting facts are given regarding English Elms, the most important of which appears to be the fact established that there are only two kinds of Elms which give, when sown, uniform seedlings. These are the two pure species, Ulmus montana and U. glaba. Every other kind of Elm, when sown, produces mixed seedlings of different sizes, different arrangement of leaves, etc.

Euonymus Japonicus for Seashore The growing demand for homes by the sea causes frequent inquiries for evergreens that will flourish there. In earlier years no thought was given to the Winter home at the shore, but it is different now, hotels are open the year round and are well patronized; and cottagers, many of them, live by the sea continually. It is cooler there in Summer and warmer in Winter, the presence of water in the latter season tempering the cold greatly. All these things cause inquiries for trees and shrubs that will thrive near the coast, and there is a good list of such shrubs and trees suitable for the purpose, but at the present time we wish to refer to but the well-known broad-leaved evergreen, Euonymus Japonicus. It is an excellent one for the purpose, having been in use for many years. There is something in the vicinity of the ocean that is agreeable to this shrub. The moist air, for one thing, is assuredly so, and then the light, sandy soil usual in such situations is as good for it, apparently, as a rich loam. Along the Jersey coast, from Cape May to New York, it stands uninjured in proximity to the sea, its bright green leaves presenting a cheerful sight the whole season through. Its several varieties stand the salt air as well as it does; and any of them employed as a hedge gives great satisfaction.

Everblooming Spiræa The name "Everblooming Spiræa" is being applied to the Spiræa Bumalda and its variety Anthony Waterer, and, really, they deserve the name as much, or more, than many plants to which the name is attached. When let grow as they will there are flowers the whole season through, from June until frost; and when cared for in the way of cutting off dead flowers—a little pruning back after each succession of flowers—the display is good to the end of the season.

When strong young plants are set out in Spring and cut well back they flower profusely in late Summer and Autumn. In this respect these Spiræas appear to occupy a position between the Spring-flowering and late Summer-flowering shrubs.

As is well understood, if a Spring-flowering shrub, such as the Japanese Snowball, for instance, is cut to the ground in Spring, there will be no flowers; but the Hydrangea paniculata grandiflora may be cut down and it flowers the better for it. The Spiræas referred to appear to bloom treated either way, the cut down ones giving a late display of flowers.

The Name Wistaria In a letter from E. Y. Teas he asks which is the proper spelling of the vine Wistaria or Wisteria, the former being the way he has always spelled it. All botanies agree that "Wistaria" is right, the vine being named for Dr. Caspar Wistar, we are told; so our friend can continue in his way of spelling the name.

Mr. Teas further enquires whether the Passiflora edulis, mentioned in this department recently, is the same as the P. incarnata, the May-Pop of the South. The two are quite distinct. The incarnata is almost hardy in Philadelphia, dying to the ground in Autumn, but if its roots are protected from frost by a covering of forest leaves they will sprout in Spring. This Passion Flower is a beautiful and interesting vine, and when grown in a pot and set out in early Spring it thrives and flowers freely in late Summer. As everyone in the South knows, its large fruits are edible, and many persons make use of them in that way.

Euonymus Japonicus, Var. Aureo-marginatis

The Fig in the North Many Philadelphians have Fig bushes in their gardens, which they protect in various ways, but very few have success with them. The only ones who do are those who throw the plants over on one side and mound soil over them, a plan which brings full success. The tying up of the tips with straw, gunny bags and the like is of no use whatever, unless the covering is thick enough to keep out all frost.

The throwing over of the plants to one side and covering the tops and all with earth is a plan followed years ago by a Dr. Needham of Washington, D. C., and he made a success in securing a crop. In the first place great care is to be exercised in the planting of the Fig to have all the roots on one side only, say on the south side. Then when the time to cover it up for Winter comes a hole is dug on the north side, as if the tree was to be dug out, cutting off all roots met with in the process. It is then easy to throw it over to the south side. The top is tied together—flat shape is best—and kept in place by a stout peg or two, then a good thickness of earth is banked over all. A 6-inch thickness is sufficient in mild climates, such as that of Philadelphia may be termed, as freezing under this will not injure the tops; still, no harm is done by adding to the depth of covering.

Treated in this way good crops of fruit may be had, and are had, by those who practice it. The little check the severing of a few roots causes when throwing the plants over for the Winter is really a benefit, keeping the bushes dwarf and promoting fruitfulness.

Halesia diptera Hardy Hiram T. Jones, Elizabeth, N. J., says: "I have both Halesia diptera and tetraptera on my lawn, trees about 50 years old and equally vigorous, and both very attractive, bloom about a week or ten days apart."

Sweet-Scented Mock Oranges Some thirty years ago, the Philadelphus coronarius was the chief species found in cultivation; all the old, large plants found in gardens today are of this kind. It is the true sweet-scented one, and though a dozen or more sorts are known at present there are no others known possessing its fragrance. It is the only one a customer should receive when he calls on a nurseryman for a sweet-scented Mock Orange. It has a variety in which there is a tendency to make semi-double flowers, also a golden-leaved form, all of which are sweet-scented.

The Philadelphus grandiflorus, inodorus, Zeyheri and Columbianus, are all handsome shrubs, some of them bearing beautiful large flowers, but with little or no fragrance.

A later introduction is P. Lemoinei, which has slender growth though attaining a good height. Its odor is very good, more attractive to many than that of the coronarius. Its peculiar fragrance is what many term "lemon-scented," and it can be well recommended to those wanting a sweet-scented Mock Orange other than the old coronarius.

Cerasus Caroliniana Last Spring the writer received from a friend in Kansas a small plant, about 6 in. high, of the southern evergreen, Cerasus Caroliniana, the Cherry Laurel as it is called. It was sent him to test its hardiness outdoors. It was planted on the south side of a dwelling, making a plant a foot high, with two or three branches, by Fall. When Winter came, a slanting board was set against it, resting on the wall of the dwelling, keeping the sun from the foliage, but allowing the free passage of air through the sides. The little plant came through the Winter without the loss of a leaf, and without the browning of foliage, just as good in fact as when the board was set to shade it. Being such a small plant and enduring unscathed the rigors of the Winter speaks well for its hardiness, and no doubt when of a good bushy growth it would need no shelter from the sun to preserve it, perhaps not even losing a leaf.

Further south this evergreen Cherry is used for hedging, making a splendid hedge, and doing well in most all soils and situations. It is, in fact, one of the handsomest broad-leaved evergreens of the South. The leaves are of a dark, glossy green, and it produces white, fragrant flowers, with seeds not unlike those of the Laurus nobilis of Europe. It is too much to hope for its general hardiness here, but there must be hundreds of places of a sheltered nature where it would thrive; and south of Philadelphia it should do well anywhere.

Double-Flowering Peaches Flowering Peaches are such lovely objects when in bloom in early Spring that it is a pity they are not oftener met with in as good form as they might be. The Peach is a tree that will be the better for a pruning every year, so as to have a shapely specimen with an abundance of young shoots. It is these young growths that give the flowers. Another thing that is required and rarely given is the extermination of the borer. Those who grow the tree for its fruit are well aware of the importance of this, but the double-flowered ones are set out in a lawn with no thought of keeping borers from the stems, as is shown by the many half-dead trees often met with. With fruiting Peach trees in orchards there are many ways of keeping out borers which are not practicable on a lawn, so that the old way of examining the trunks in July and September is the best one, getting out what borers may be in, if any, with the aid of a knife and a piece of wire.

To get the trees bushy, Summer pruning is the best. A slight shortening in of the new shoots is sufficient, as the side shoots push then, and every shoot, beside helping to thicken the tree and shapen it, means an additional number of flowers.

The three best known flowering Peaches are the double red, pink and double white. These are indeed most beautiful. The three varieties are often planted together, forming a group of great beauty.

This is the time to set out seedling Peach stocks on which to bud the varieties desired when the stocks are ready, which would be in September or thereabouts.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY
Mount Hope Nurseries ROCHESTER, N. Y.

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Grafted Roses

We have an exceptionally fine stock of grafted plants, strong, clean and healthy.

White Killarney, My Maryland, Kaiserin, Bride, 2½-inch pots, $15.00 per 100, $120.00 per 1000.

OWN ROOT STOCK, NOW READY

White Killarney, 2½-inch pots, $8.00 per 100, $75.00 per 1000.

Bride, Bridesmaid, Kaiserin, Carnot, W. R. Smith and President Taft, 2½-inch pots, $5.00 per 100, $40.00 per 1000.

S. J. REUTER & SON, Inc.
WESTERLY, R. I.

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ROSES

Grafted
Richmond
$12.00 to $15.00 per 100

Own-Root
Richmond, Killarney, My Maryland, Queen Beatrice

Quenilly Limited
MONTROSE GREENHOUSES, Montrose Mass.

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Rose Plants

Grown on own roots, kept in cold houses during the Winter, now coming into bud and just right for outdoor planting; General Jacqueminot, Gruss an Teplitz, Clothilde Soupert, Crimson Rambler, etc., 6-in pots, $35.00 per 100.

Prairie Queen, 6-in. pots, very large, $3.00 per doz.; 5-in. pots, very large, $2.40 per doz.

Pres. Carnot, Clothilde Soupert, Richmond, La France, Louis Phillipe, Gruss an Teplitz, Gen. Jacqueminot, etc., 5-in. pots, $25.00 per 100.

CRIMSON RAMBLERS FOR GROWING ON, 2½-in. and 3-in. Rose pots, $4.00 per 100.

HYDRANGEAS

HYDRANGEA Otaksa, for growing on, 2½-in. pots, $4.00 per 100, $35.00 per 1000.

HYDRANGEA Otaksa, 3-in. pots, 6 to 8 flower buds, $15.00 per doz.

HYDRANGEA Otaksa, 6-in. pots, 2 to 3 flower buds, $5.00 and $6.00 per dozen.

BUTTON DAISIES (Bellis Perennis), large clumps, $3.00 per 100.

FUCHSIAS, GERANIUMS, VERBENAS, PETUNIAS, SALVIA Zurich, PYRETHRUM aureum, etc. Prices on application.

J. WILLIAM COLFLESH
53rd St. & Woodland Ave., PHILADELPHIA, PA.

Please mention the Exchange when writing.

WE are entirely sold out in all the stock we have been advertising. Your paper certainly is a hustler.

Address of this advertiser on application.

ROSES IN PLENTY

On own roots, Summer grown, Winter rested. See column advertisement, page 775, April 30th, The Florists' Exchange.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

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WHITE KILLARNEY ROSES

(**Waban Strain**) from 2-inch pots, at **$8.00 per 100.**

Cash with order.

J. HENRY BARTRAM, Lansdowne, Pa.
ROSE LAWN GREENHOUSES

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Strawberries and other Small Fruit Plants

Wm. Belt, Sharpless, Brandywine, Bohach, Tennessee, Haverland, President, Nick Ohmer, Cardinal, Corsican, New Home, Parson's Beauty, Dunlap, Sample, Saunders, Aroma, Success, and Mount's Early; 75c. per 100, $3.00 per 1000. Steven's Late Champion, $2.50 per 1000, 5000 for $10.00. Not more than 3 varieties in 1000 at the 1000 rates.

BLACKBERRY, Ward, $1.50 per 100, $12.00 per 1000.

RASPBERRY, Melch and Cothbert (Red), $1.50 per 100; Kansas, $1.00 per 100, $7.00 per 1000; Cumberland (Black Raspberry), $1.50 per 100, $10.00 per 1000.

Send for price list.

Address

CHARLES BLACK, Hightstown, N. J.

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California Privet

See our prices on small lots in classified advertisements.

For large orders in carload lots we can do better, and will ship you 10,000 18 to 24 inch, 4 to 6 branches, in bulk in car, for **$100.00.** Cash with order. Other sizes in proportion.

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Price $3.50. Send for Sample Pages

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WE OFFER THE FOLLOWING . . ROSES

IN 4 AND 4½ INCH POTS, 18 to 24 inches, well branched, at $10.00 per 100: Souv. du Pres. Carnot, Caroline Marniesse, Burbank, Bessie Brown, Leonie Lamesch, Mme. Caroline Testout, Baby Rambler (white) (Zeimet), Baby Rambler (pink), Kaiserin Augusta, White Maman Cochet, La Detroit, Safrano, Climbing Wootton, Mme. Abel Chatenay, Hermosa, Mary Washington, Pink Maman Cochet, Ateen Muller, Little Pet, Papa Gontier, Bride, Helen Gould, Mrs. Robert Garrett, Marie Van Houtte, Cardinal, White Bon Silene, Marion Dingee, Mme. A. Guinoiseau, Souv. de la Malmaison, Golden Gate, Maman Cochet (open ground). HYBRID PERPETUALS, 2 years, from open ground, at $8.00 per 100:—Captain Hayward, Dr. Audrey, Clio, Magna Charta, Vick's Caprice, Anna de Diesbach, Ulrich Brunner, Marchioness of Lorne, Eugene Fur-t, Francois Levet, John Hopper, Gen. Jack. HYBRID RUGOSA, 2 years, from open ground, at $8.00 per 100:—New Century, Sir Thomas Lipton, Conrad Ferdinand Meyer.

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A Rose for Every Greenhouse

Grafted Roses

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Rose Pots .....$16.00 per 100
3½-inch Pots .....$18.00 per 100

BRIDES, BRIDESMAIDS, LA FRANCE, KAISERIN

Rose Pots .....$10.00 per 100
3½-inch Pots .....$16.00 per 100

Own Root Roses

WHITE KILLARNEY, MY MARYLAND, RICHMOND, PINK KILLARNEY, AMERICAN BEAUTY

3-inch Pots .....$9.00 per 100
4-inch Pots .....$12.00 per 100

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3-inch Pots .....$7.00 per 100
4-inch Pots .....$10.00 per 100

We will have large quantities of American Beauty Rose plants of the best quality for Spring Delivery.

Verbena and Coleus plants ready for shipment, at $20.00 per 1000.

Send for circulars.

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50,000 FIELD-GROWN MYRTLE

$6.00 per 100, $50.00 per 1000

250 of these plants, with the soil well shaken from the roots, will fill a barrel.

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CLEMATIS, AMPELOPSIS, TREE HYDRANGEAS and LILACS, SHRUBS, VINES and PERENNIALS. Write for prices.

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FOR OUTDOOR PLANTING

The Roses here offered are field grown plants which have been potted into 5 or 6 inch pots (according to the growth of the variety) during the winter months. They have been stored in cold houses and cold frames and are in the best possible condition to turn over to your retail customers for outdoor planting, giving an entirely different result from stock carried over winter in storage. For best results the plants should be shipped in pots; in this shape they will carry safely to reasonable distances by freight.

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5 and 6 inch Pots

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The Gems of the new varieties introduced in recent years. A few of these planted in your own borders will prove interesting during the entire season.

All in Strong Two-Year-Old Plants

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Hybrid Tea Rose Betty

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Mme. Leon Paine (Guillot 1904)	.75
Mme. Maurice de Luze (Pernet Ducher 1907)	.75
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Rhea Reid (Hill 1908)	.30
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Harry Kirk (Dickson 1907)	$0.90
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Strong two-year-old Plants, nearly all in 6-inch pots.

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HARDY ROSES (Continued).

	Per 100
Crested Moss	$25.00
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Captain Hayward	25.00
Common Provence or Damask	25.00
Clio	25.00
Charles Lefebvre	25.00
Crimson Globe	25.00
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Earl of Dufferin	25.00
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Rugosa Nova Zembla	25.00
Rugosa Blanc Double D'Courbet	25.00
Rugosa, Red	18.00
Rugosa, White	18.00
Soliel d'Or	30.00
Tom Wood	25.00
Ulrich Brunner	25.00
Victor Verdier	25.00
White Provence	25.00

Rambler, Climbing and Trailing Roses

	Per 100
Baltimore Belle	$20.00
Climbing Clothilde Soupert	20.00
Crimson Rambler	20.00
Dorothy Perkins	20.00
Gloire de Dijon	25.00
Hiawatha	30.00
Lady Gay	20.00
Marechal Niel	30.00
Philadelphia Rambler	20.00
Prairie Queen	20.00
Reine Marie Henriette	30.00
Sweet Brier	15.00
Sweet Brier Lord Penzance	25.00
Sweet Brier Lady Penzance	25.00
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Tausendschon	30.00
Trier	25.00
White Microphylla	20.00
White Dorothy	50.00
Wichuraiana Evergreen Gem	20.00
Wichuraiana Gardenia	20.00
Wichuraiana Pink Roamer	20.00
Wichuraiana South Orange Perfection	20.00
Wichuraiana Triumph	20.00
Wichuraiana Universal Favorite	20.00
Yellow Rambler	20.00

Baby Rambler Roses

	Per 100
Crimson	$20.00
White	20.00
Pink	20.00

HENRY A. DREER, Inc., 714 Chestnut Street Philadelphia, Pa.

NOTE—These Prices Are for The Trade Only

Please mention the Exchange when writing.

Cincinnati

The great May Festival, which is a recognized musical event all over the world, took place this week, commencing Tuesday evening, May 3. President Wm. H. Taft was an honored guest of his home city. This year's festival surpassed all previous events. The children's Chorus consists of over 700 school children and is said to be the best ever; seats for Friday evening, which this event takes place, are all sold; not even standing room is left in the great music hall. Some of the noted singers of the world are here and necessarily there will be some flowers sold for this occasion.

The Walnut Hills Floral Bazaar have several dinners to decorate for in honor of the President. Hardesty & Co., are also comparatively busy.

In connection with the festival, on May 2 the U. S. Post Office and Custom officers of the city of Cincinnati celebrated their 25th anniversary, since moving into their new building. The decorations of this building were principally of the stars and stripes. They also gave away flowers to the people on Monday afternoon. The building is decorated on the inside with wild Smilax and flags; this work was done by the John Shillito Co., a dry goods concern of this city.

Plants and everything pertaining to the establishment of B. P. Critchell were sold at auction, May 2, to the highest bidder, and, like all auction sales, some things sold at ridiculously low prices, while others went at all and more than they were worth.

General business during the past week was very good, the wholesale houses cleaning up daily all the good stock.

Carnations are on the scarce side and not equal to the demand. American Beauty is in good supply and equal to demand, also Killarney and Richmond Roses; Lilies are a little on the scarce order; Callas are about done; Ten-Week's Stocks and Snapdragon are putting in an appearance.

The stores all report a fine business in funeral work; at this time of the year this is the best business the florists have.

With Mothers' Day, May 8, all white flowers will be disposed of, and I look for a great scarcity of white Carnations.

I am in receipt of a letter from a son of W. E. Hall of Clyde, Ohio, who says his father is better than he was a week ago, but that he has not regained consciousness nor taken nourishment for fourteen days. W. E. Hall is quite a Carnation grower, and has some seedling Carnations he is growing for his own use that certainly are fine. We hope Mr. Hall may have a speedy recovery, although pneumonia is a hard and obstinate disease to fight; with a good constitution, we have no doubt he will pull through. E. G. GILLETT.

CARNATIONS

Strong, clean, well-rooted stock; large Cuttings that will make plants quickly.

Large, strong, well rooted, absolutely no disease, taken from plants grown especially for stock and rooted in a cool house. These will make plants quickly and cannot fail to please you.

	100	1000
Enchantress	$3.00	$25.00
Pure White Enchantress	3.50	30.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Winona	3.00	25.00
Harlowarden	2.50	20.00

Stock from 2-in. pots, 50c. per 100 more than the 100 rates named above, net.

Cash with order. Sand Stock, 250 at 1000 rates.

SMITH & GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

SHASTA

Our new white carnation, ready now at $12.00 per 100; $100.00 per 1000. The biggest paying White Carnation you ever saw. We are shipping fine, well rooted cuttings.

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

CARNATION CUTTINGS

My stock has not been allowed to throw over three blooms per plant and is, therefore, very vigorous, producing cuttings strong and full of life. Cuttings from such stock will produce more and better flowers next Winter than the ordinary grade from stock that has been flowered to death.

	100	1000
Harlowarden	$2.50	$20.00
Enchantress	3.00	25.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Pure White Enchantress	3.50	30.00
Winona	3.50	30.00
Beacon	3.50	30.00

250 at 1000 rate.

Cash with order, or references.

A. A. GANNETT, GENEVA, N. Y.

Please mention the Exchange when writing.

CARNATIONS

From pots, strong, healthy plants, $3.50 per 100; including Enchantress, R. P. Enchantress, Lady Bountiful, Pres. Seelye, White Perfection, Crimson Beauty, Beacon, Pink Imperial, Harlowarden, Mrs. Patten, Variegated Lawson and Winsor.

Cash with order.

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Store, 2729 Lick Place, SAN FRANCISCO — Greenhouses, MELROSE, CAL.

Headquarters for Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers. Palms, Ferns and Decorative Plants a Specialty.

We respectfully solicit your patronage.

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JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

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Washington, D.C.

A few of the advance weddings occurred during the week, assisting the retailers; and, additionally, there was a little greater demand for funeral work. The past few cool days have improved the qualities of Roses and Carnations which are in quantities equal to the demand.

There are a great many short Easter Lilies on the market, which are selling to the exclusion of Callas, for which latter there is usually a demand at this season.

All probabilities of frost having passed, a good fruit crop seems a certainty.

Locust blossom was never in such profusion as at the present time, and, if the old adage be true, there will be an unusually large crop of Corn.

The first Pond Lilies of the season are coming in and, so far as can be learned, this is about two weeks in advance of the regular season.

Bedding plants are beginning to move quite lively and it is not an unusual sight to see wagon-loads of them being sold around the streets.

JAS. L. CABBERY.

All local florists seem to have enjoyed a very good Easter week and, since then, there has been considerable funeral work and a large number of weddings, receptions and dinner parties. Washington florists devote considerable time to their windows and some exceedingly novel decorations are noted.

A number of the local growers have stalls in the markets; these markets open about 7 a.m. and close at 4 p.m. The stalls are held by the same family for years; they are adopted for display of stock and some good business is reported. The stalls in the markets and the windows of the retail stores at time of my visit were profusely decorated with Dogwood blossoms and wild Azaleas.

Albert F. Esch has 5500 sq. ft. of glass devoted to a mixed stock necessary for a local wholesale and retail business. Some good trade is reported here in made-up baskets and funeral work.

David I. Saunders of 2d and W. sts. N. W., makes a specialty of bedding plants. He has 10,000 sq. ft. of glass and has been in present location about 33 years. Some exceedingly fine stock is shown here.

M. J. McCabe of 439 Centre Market has 38,000 sq. ft. of glass, devoted to Roses, Carnations, and Lilies. Easter trade was excellent and resulted in a clean-up. Funeral business is very brisk.

E. Milton Thomas has two stalls in Centre Market where he has been for past 12 years. Trade has been good since Easter, which was best he ever had.

Robert Bowdler of 1723 Florida ave., N. E., has some 20,000 ft. of glass for mixed stock and between this glass and two stalls in Centre market, good trade is reported. The market stalls are in charge of Adolph Bowdler. Mr. Bowdler has been in the trade for over forty years, for thirty-five of which he has had stalls in Centre Market.

S. H. Lucas of Anacostia has 5000 sq. ft. of glass in which he makes a specialty of growing pot Roses and mixed stock; he has been in business for over twenty years.

A. Herold has been in Centre Market for fifteen years and reports an increasing trade in funeral work. His glass is located at 512 6th st. S. E.; here he grows a mixed stock. Easter trade was unusually fine.

J. R. Morgan reports a big business during Easter and found the supply unequal to the demand. He has 60,000 sq. ft. of glass devoted to mixed stock and does a nice trade in Asters and Dahlias during the season. He has a stall in the Centre Market.

The Union Station trade is taken care of by M. Conomikes, who has a neat circular glass counter near the main entrance, which is always well supplied with cut stock of all kinds. Some nice orders are taken here for funeral work.

The American Rose Co., 909 F. st. N. W., report Easter as best ever during the twenty years they have been in present location. The funeral work here is unusually large at this time and shows a good increase over past years. Miss Dexter is in charge of the store, having come here some ten years ago from New Bedford, Mass. The ice box is made entirely of glass and built across the store, allowing passage around one end and giving considerable space in the rear for the workroom, as well as allowing a full view of the store from the rear through its glass walls.

ORCHIDS

Cattleya Trianae

Owing to lack of room and large shipments arriving, we offer this popular Cattleya for immediate delivery, at **$40.00 per case until sold.** The plants are A.1. in every way.

We also have received **Cattleya Gaskelliana, Oncidium varicosum Rogersii, Oncidium crispum, Miltonias, Lælias, etc.** All other Commercial Varieties to follow in quick succession.

LAGER & HURRELL

SUMMIT, N. J.

Please mention the Exchange when writing.

A. R. Jones of the Philadelphia office of the S. S. Pennock-Meehan Co., has been in town for several days, taking charge of their Washington branch, owing to the illness of Wm. J. Moore, who is confined to his room in the George Washington Hospital. Mr. Pennock was also here for a few days pending arrival of Mr. Jones. The business transacted has run ahead of the previous year to quite a considerable extent.

The "Washington Florists" of 13th and F. sts. N. W., have about the largest show windows in town, and they make them up very attractively. Some 80,000 sq. ft. of glass is maintained in Alexandria, Va., and is devoted to mixed stock for the stores. Easter trade was fine and receptions and dinner parties are keeping all hands busy.

The Florists' Exchange, 727 13th st., is the latest commission house to open here. A. Schnell, formerly of the local branch of the S. S. Pennock-Meehan Co., was obtained as manager, and the company is made up of local growers and retailers. Since the opening on Nov. 15, 1909, business has been increasing each month. A line of supplies, cut stock and some potted plants is carried and being added to as business demands. Eastern trade was excellent, the greatest difficulty being in getting enough stock to supply the demand. Their shipping business is rapidly increasing.

J. R. Freeman has a nice roomy store on 13th st. near F. st. N. W., which is nicely arranged to handle his trade. The conservatory in the rear is an excellent place for display of stock. Good business is reported in funeral work and all hands are busy on weddings, dinners and receptions.

New Bedford, Mass.

Trade the past week was about the same as usual. Flowers are quite plentiful. Carnations retail at 50c. per dozen; good Roses at $1.50 per dozen; Sweet Peas at $1 per 100 blooms; Snapdragons at $1 per dozen; Lilies at $2 per dozen. Hardy Ferns are getting scarce just now and what are available are of very poor quality. Greens are in good demand. Funeral work has been fairly good.

The weather the past few weeks has been cold; the other week we had frost here, but, so far, nothing has been damaged. Garden work is in full swing.

S. J. Donaghy has seven men at work and reports he has all the work he can attend to.

Good window displays are the rule nowadays.

H. A. Jahn is cutting some excellent Sweet Peas, with long stems.

The street fakir is still with us, selling stock at wretchedly low prices.

Stocks seem to be coming along all right for Memorial Day.

J. H. Cleary is handling some nice Snapdragons.

The firm of C. H. & H. A. Lawton Co. has given a silver cup to be awarded in the Home Garden and Yard Improvement contest. The cup will probably be given to the contestant who makes the best showing in growing Sweet Peas. This concern, which has always been a large dealer in seeds, makes a specialty of Sweet Peas. The cup will be given in the name of Joseph W. Nicklas, a member of the firm. It is very gratifying to the committee to have such a substantial prize offered.

HORTICO.

ORCHIDS

CATTLEYAS
TRIANAE
LABIATA
MOSSIAE
GASKELLIANA

DENDROBIUMS
CHRYSOTOXUM
DENSIFLORUM
NOBILE
WARDIANUM
THYRSIFLORUM

VANDA COERULEA

G. L. FREEMAN CO.

FALL RIVER, MASS.

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JUST ARRIVED

ORCHIDS

Guaranteed True Type

Cattleya Trianae — Cattleya Mendelii
Cattleya Schroederae
Cattleya Gigas — Cattleya Aurea

In excellent condition. For prices apply to

JOHN DE BUCK

C/O MALTUS & WARE
14 Stone Street NEW YORK CITY

Please mention the Exchange when writing.

ORCHIDS

We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawrenceana, Gaskelliana, Dowiana and Percivaliana. Write to-day.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

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ORCHIDS! ORCHIDS!

A large and attractive lot of established plants; also importations coming, which we offer at advantageous prices.

ORDONEZ BROS., 41 W. 28th St. New York also Madison, N. J.

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ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, ST. ALBANS, ENGLAND

and 235 Broadway, Room 1, New York City

ORCHIDS Just arrived, in fine condition a large shipment of Cattleya Trianae, also C. Gaskelliana, Oncidium varicosum Rogersii, O. crispum, Miltonia cuneata, Laelia crispa, L. L. Perrinii and many more.

Another lot of Cattleya Mossiae and C. labiata due shortly.

LAGER & HURRELL

SUMMIT, N. J.

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

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APHINE

is proving a most effective, while at the same time absolutely harmless, Insecticide for use on young stock.

It destroys the insects, and invigorates the plants.

HAVE YOU TRIED IT?

Aphine Manufacturing Company

Madison, N. J.

Please mention the Exchange when writing.

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The book of WATER GARDENING

By Peter Bisset. Price, postpaid, $2.50

A.T. DE LA MARE PTG. & PUB. CO. Ltd

2-8 Duane Street, New York

Newport, R. I.

The men employed on the estates of Summer residents as assistant gardeners, and some others, met on Sunday, May 1, and organized what is to be known as "The Gardeners' Men's Assistant Union." The object is to regulate wages and working hours. It was unanimously voted to ask the following scale of wages, beginning June 1: $2.25 per day of nine hours, or $55 a month, wet or dry.

There was a large attendance of those interested, and another meeting is to be held May 8. Employers have been notified and their action is awaited with interest.

ALEX. MACL.

Rochester, N. Y.

Trade continues brisk and stock, with the exception of Roses, generally scarce, owing to continued dark weather mostly every day for the past week or more. Carnations are particularly on the short side, especially white and Enchantress.

The demands for Mother's Day, on advanced orders, are greater than ever; in fact it is almost impossible to hook orders as the supply will not begin to meet the demand. White Carnations are now quoted at $6 to $8 per 100, and may possibly go still higher. The Exhibition Committee on the flower show met Tuesday evening at the Florists' rooms and decided that it would be held Nov. 1 to 5, 1910. Plans are under way to make this show greater and grander than ever. The committee in charge of the arrangements for this event is as follows: C. H. Vick, chairman; George B. Hart, F. J. Keller, A. H. Salter, J. M. Keller, E. P. Wilson. Details will be taken up more thoroughly at the meeting of the Association next Monday, May 9.

H. B. STRINGER.

Pittsburgh, Pa.

Trade in general has been exceptionally light, but funeral work has been a strong factor of late owing to the deaths of many prominent citizens.

Cut flowers have been very scarce the past ten days, owing to the cool and dark weather.

Carnations were exceedingly short of the demand. Roses showed up better than Carnations and have been much used in their stead.

Indications point to a scarcity on white Carnations for Mother's Day.

E. C. Reineman, Mrs. E. C. Reineman and daughter have left for Europe; they plan an extensive trip, visiting most of the important cities, and taking in the flower shows in different centers. They expect to be gone about five months.

Arthur Lins, who was in the employ of G. & J. W. Ludwig for several years, has left the Smoky City for Los Angeles, the land of flowers and sunshine.

Mr. Fred Burki of Gibsonia, Pa., is laid up with rheumatism for the past two weeks.

Miss Margaret Hammersmith, one of E. C. Ludwig's salesladies was married Tuesday, April 26, to Henry Breining, a well-known North Side merchant.

Visitors: L. Henle of Henle Wax Paper Co., New York; H. Ryoveld of Guldemond & Son, Lisse, Holland; C. J. Ford of A. Herrmann, N. Y. City; Mr. Smith of Wm. J. Boas & Co., Philadelphia.

D. W. L.

Plants Cannot be Removed from Leased Land—An Important Decision

After months of litigation L. H. Green, real estate operator at Mineola, N. Y., has obtained a verdict against Theodore A. Havemeyer for $4500 for plants, shrubbery and bulbs which Mr. Green alleges were taken from a place he had purchased at Hempstead which had been leased by Mr. Havemeyer. Mr. Havemeyer's employees removed some of the imported plants and shrubbery to the country place of Oliver W. Bird, at Hempstead. Mr. Havemeyer contended that the plants were part of a private nursery which he had established on the Green property, and he had a perfect right to any article he wished to remove to other places.

You Ought to Have More of the Palm Business of Your Town

And Heacock's Palms will help you to get it! There's a lively demand in every locality, as you know, for good Palms—both from persons who purchase outright, and from those who rent for weddings, receptions, social functions, etc. In either case, you can supply the demand with profit to yourself by furnishing Heacock's Palms—Kentias, Cocos, Arecas, etc.

We grow them by the thousands and our men are real Palm experts. Our stock is vastly superior to any imported stuff you could buy—our Plants are clean, healthy, vigorous, acclimated.

The accompanying illustration shows how perfectly they mature under our care. We would like to fill a sample order from you—for a dozen or a carload—each specimen just as perfectly developed as this one.

Following are our current prices for this choice stock of Palms:

Areca Lutescens

6-inch pot, 3 plants in pot, 26 to 28 in. high....Each..$1.00
7-inch pot, 3 plants in pot, 30 to 32 in. high....Each.. 2.00
8-inch pot, 3 plants in pot, 36 in. high.....Each 2.50
8-inch pot, 3 plants in pot, 42 in. high.....Each.. 3.00

Cocos Weddelliana

2½-inch pot, 8 to 10 in. high.....Per 100..$10.00

Kentia Belmoreana

	Per doz.	Per 100
5-inch pot, 6 to 7 leaves, 18 in. high.....	$6.00	$50.00
5-inch pot, 6 to 7 leaves, 20 in. high.....	9.00	70.00
	Each	Doz.
6-inch pot, 6 to 7 leaves, 22 to 24 in. high....	$1.00	$12.00
7-inch pot or tub, 6 to 7 leaves, 32 to 34 in. high	2.00	24.00
9-inch tub, 6 to 7 leaves, 5 ft. high...	$7.50 and 8.50	

Made-up Kentia Belmoreana

9-inch tub, 4 plants in tub, 42 to 48 in. high....Each..$4.00
12-in. tub, 4 plants in tub, 6 ft. high.....Each..15.00

Phoenix Roebelenii

5-inch pots nicely characterized.....$1.00
6-inch pots nicely characterized..... 1.50

We are making large shipments right along; to be sure of the best, therefore, you should get your order in AT ONCE. 'Phone, wire or write, and when in Philadelphia be sure to run out on the Reading and see our stock.

JOSEPH HEACOCK CO., Wyncote, Pa.

Please mention the Exchange when writing.

FERNS
MY SPECIALTY

Adiantum Cuneatum and Gracillimum, 2¼ in., $3.50 per 100, $30.00 per 1000.

FERNS FOR FERN DISHES

Extra strong, healthy, bushy, full grown, 2¼ in. stock, guaranteed to please; in assortment of 12 best varieties, $3.00 per 100, $25.00 per 1000. 3 in., $6.00 per 100, $55.00 per 1000.
250 at 1000 rate.

Asparagus plumosus nanus. Excellent 2¼ in. stock, $3.00 per 100, $25.00 per 1000.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist
Please mention the Exchange when writing.

Ferns and Bedding Plants

Assorted varieties for dishes, strong, healthy plants, from 2¼-in. pots, $3.00 per 100, $25.00 per 1000; 3-in., $6.00 per 100.
Boston Ferns, 8-in. pots, $1.25 each; 7-in., $1.00 each; 6-in., 50c. each. Scottii, 7-in. pots, $1.00 each.
Nephrolepis Whitmani, fine plants from 6-in. pots, $9.00 per doz.
Cocos Weddellians, 2¼-in., $10.00 per 100, $85.00 per 1000.

ASPARAGUS P. Nanus, 3-in. pots, $6.00 per 100, $50.00 per 1000; 2¼-in., $3.00 per 100, $25.00 per 1000.

GERANIUMS, fine stocky plants, in bud and bloom, 4-in., Nutt, Poitevine and Double Grant, $6.00 per 100.

SALVIA Splendens and Bonfire, 3-in., $3.00 per 100; 2¼-in., $2.00 per 100.

ALTERNANTHERAS, 2¼-in., Red and Yellow, $2.00 per 100.

BEGONIA Vernon, 2¼-in., $2.00 per 100, $18.00 per 1000.

FRANK N. ESKESEN, Madison, N. J.
Please mention the Exchange when writing.

FERNS FERNS

Assorted Ferns for Jardinieres, in 6 to 8 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $26.00 per 1000.
FERN SEEDLINGS, from flats, in 10 best varieties, ready June 1.

THOMAS P. CHRISTENSEN
SHORT HILLS, N. J.
Please mention the Exchange when writing.

Ferns in Flats
All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready June 1. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.
Please mention the Exchange when writing.

NEPHROLEPIS

WHITMANI, 2½-in., $5.00 per 100; $40.00 per 1000.
MAGNIFICA (new), $25.00 per 100.
BOSTON FERNS, 2½-in. $30.00 per 1000.

Henry H. Barrows & Son,
WHITMAN, MASS.
Please mention the Exchange when writing.

Scholzeli Fern

The best payer and most prolific Fern to date. 2¼-in. $7.00 per 100.

	Per 100
Superbissima, 2¼-in.	$7.00
Whitmani, 2¼-in.....	5.00
Scottii, 2¼-in.....	5.00

CHAS. H. CAMPBELL
3601 Germantown Avenue
PHILADELPHIA, PA.
Please mention the Exchange when writing.

San Francisco

The Market

Business on the whole is fairly good, prices are holding up, and good returns have been the rule for the past week. Carnations are still abundant, and are being cleaned up in pretty good shape, although no fancy prices are being realized in this line, from $2 to $3.50 per 100 being the average returns for good blooms. Roses are still coming into the market in good quantity and the quality of the blooms is all that could be desired. Prices in this line also show a little improvement over last week. American Beauty is holding its own and sells well at from $2 to 3 per dozen. Sweet Peas are becoming a little more plentiful; prices, however, still hold good, although if the warm weather continues the market will be swamped with them and prices will drop. Spanish Iris are still as popular as ever and sell rapidly. Tulips and other bulbous stock are on the wane and another week should finish them. Large quantities of Easter Lilies are still being brought into the market and growers are lucky if they get $1 a dozen for them. Among the cheaper grades of flowers, Pansies, Wallflowers, Lilac, and fruit blossoms are in evidence and find a ready sale.

Each year has seen a growing demand for Orchids of all descriptions in San Francisco, and this year has been no exception to the rule. Although Cattleyas are coming into the market in large quantities at present they sell rapidly at 60c. per bloom, wholesale, and the supply is not equal to the demand, Phalænopsis amabilis is also a fine seller and fetches 25c. per bloom wholesale. Large quantities of Cattleyas Mossiæ and Mendelii are being shipped at present by the outoftown growers who specialize in this line.

The supply of green goods is more than sufficient at present. Smilax is plentiful, as also is Asparagus plumosus and Sprengeri. Maidenhair Fern is becoming more plentiful and there is a good demand for it in downtown stores.

Various Notes

The monthly "field day" of the Pacific Coast Horticultural Society will be held on May 15. The E. Gill Co. of Berkeley will be the hosts on this occasion and a large delegation of members and friends are expected to turn out.

On April 26, the park commissioners, in council, before the finance committee of the board of supervisors, agreed to take under advisement the following estimates for the public squares and outlying parks in the city: $11,000 for the improvement of Holly Park; $1000 for the improvement of Garfield Square; $10,000 for the improvement of Jackson Square; $25,000 for the construction of a retaining wall and the improvement of Franklin Square; $20,000 for the improvement of Mission Park; and $5000 for the improvement of Buena Vista Square.

Phil Murray has accepted a position with the C. C. Morse Co., on Market st.

Dr. Parker of Santa Cruz is sending some fine blooms of Cattleya Mossiæ into town at present. He reports that work on his new greenhouse is progressing rapidly.

CROTONS

Fine varieties, first-class plants, highly colored, 25c., 35c., 50c., 75c. and $1.00 each.
DRACAENA SANDERI, 3-in., 25c.

R. G. HANFORD, Norwalk, Conn.
Please mention the Exchange when writing.

Extensive plans are at present being made to provide the mission district with suitable parks and open spaces. John McLaren, Superintendent of Parks, has drawn extensive plans for this purpose and will devote a large apportionment of the funds set aside for the city parks for this section of the city.

C. Navlet of San Jose was a recent visitor in town.

The J. H. Sievers Co., on Powell st., were making a special feature of Orchids in their window displays in the past week. Orchids, they claim, never fail to attract the people.

Pelicano & Rossi report trade as being fairly good with them. Spring weddings and funeral work keep them busy at present.

The Siekfreid collection of Orchids at Alameda will shortly be sold. A well known city firm has undertaken the disposal of them.

Aphine, the new insecticide, is beginning to make itself known on the coast, and the MacRorie-McLaren Co. of San Francisco, who are the Pacific Coast agents, are receiving numerous inquiries regarding its merits. The writer has personally given this insecticide a thorough trial and has nothing but praise for it. Aphine has certainly come to stay and ought to prove invaluable to our large growers on the Coast, who are looking for a safe and economical remedy for scale and other insect pests.

H. Plath, of Ocean View, has been spending a few days at Santa Cruz. He reports that business in that section is unusually brisk.

Robert McIntyre, late head gardener to Sir Charles Tennent, of The Glen, Peebleshire, Scotland, and for many years a prominent and valued contributor to the "Gardeners' Chronicle," was a welcome visitor in town last week. During his visit here Mr. McIntyre visited many of the leading establishments in this vicinity. He sailed for Honolulu, on the Manchurian, April 26.

Park gardeners over Oakland way are all smiles these days, the park commissioners having decided to raise the city gardeners wages ten per cent.

The MacRorie-McLaren Co. received a large consignment of Cattleyas labiata and Trianæ this week.

The E. W. McLellen Co., of Burlinghame, are bringing some fine Roses into the market at present. Gardenias are also a specialty with this firm.

Andrew McDonald, head gardener to J. B. Coryell of Menlo Park, will leave shortly for Europe. Mr. McDonald will be away for three months and intends to visit all of the leading Orchid growers in England.

F. Luddeman, of the Pacific Nurseries, intends to sell out his plant and is at present negotiating toward that end.

The Palace Hotel on Market st. has made a start to furnish its large hall with big Palms. The Palm Court in this hotel, in the old days before the great fire, was famous all over the world. Every effort will be made to have the new Palm court a worthy successor to the old.

The D. O. Mills estate at Millbrae, now owned by Mrs. Whitelaw Reid, wife of the American Ambassador to the Court of St. James, has been thoroughly overhauled this Spring. It is Mrs. Reid's intention to spend at least three months of the year at her Californian residence.

The estate of Eugene de Sabla was also visited by the writer last week. Extensive alterations and improvements have been carried out during the Winter by Wm. Hill, the energetic head gardener, and now one would scarcely know the place. The famous Japanese garden at El Cerito is well worth a visit.

The Garden City Pottery Co. reports an ever increasing demand for pots; this year's orders have eclipsed all previous records.

Callas are in full bloom at present and they look exceptionally pretty. The MacRorie-McLaren Co. are the largest dealers in Callas in this section and have an especially fine lot to dispose of this season.

Henry Gertzien of Redwood City is

busy getting ready for the 'Mums; he intends to go in for them heavier than ever this year.

Domoto Bros. of Melrose have a fine selection of Japanese trees and shrubs in their nursery at present. Trade has been unusually brisk with this firm for some time past and work is being rushed along on their two new houses.

The weather for the past week has been all that one could desire; beautiful clear days with bright sunshine have been the rule and everyone, growers and florists alike, seems happy. The woods, hills, and meadows are gay with the colors of the wild Lupin and the Poppy, a delightful combination of blue and gold, and thousands of people leave the busy streets of San Francisco, daily for the cool and soothing quietness of the country.

WM. McM. BROWN.

Baltimore

The Market

Business conditions this week are somewhat more improved compared with those of last. Retail trade last week was certainly dull, owing to the weather conditions that made all kinds of business feel the effect as well as the florists. The seed houses report a large falling off in orders that gave the clerks time to arrange their stores. The supply of cut flowers is still heavy and arrivals move slowly. The pot plant situation has been at a standstill but stock is being disposed of fairly well this week. The sudden change in the weather, with the bright sunshine, has put the soil in good condition for planting again. Many seeds that were put in the ground have rotted as well as the Potatoes and it is feared that considerable planting will be called for again. Carnation plants are in the fields and look bad.

Carnations are still heavy in supply and sell at all kinds of prices; the quality is poor. Roses seem to be plentiful enough to meet the demand; they are offered at fair prices and move well, all grades being disposed of. The demand for Sweet Peas keeps up and the supply is short. Lilac is about over but has been a heavy glut. This year has been a record-breaker for it; it is claimed that the supply was never known to be as heavy as this season. Snowballs are now coming freely and the market is loaded heavily.

Notes

Edward Van Reuth, Hamilton, Md., who has been suffering with blood poison and dropsy, is reported much better. His business has been looked after by his wife.

The demand for Pansy plants this year has been exceedingly heavy. Florists, seedsmen and department stores kept a heavy stock on hand and sold out.

Halliday Bros. had an excellent window display this week, of Ferns, Orchids and Snowballs.

Heavy calls for flowers this week for the retiring president of the Police Board were a feature in the trade.

John Eberhardt has his city store stocked heavily with pot plants.

James Glass is still showing a beautifully arranged stall of seasonable flowers.

G. N. Ekas, who has erected a showy stall under the eaves of the market, reports business dull and looks forward to the Fall season.

Charles Cook is erecting a range of houses on his new place, Old Frederick Road. It is reported that some of the houses blew down in a wind storm; no glass was in place.

E. A. Seidewitz, 323 N. Charles st., has issued a Saturday special card that has attracted attention, also a card showing how to keep cut flowers fresh. M. E. Wilton Pierce is his manager.

Otto Guerth is showing a line of cemetery vases and is displaying tastefully arranged windows.

Charges of mismanagement in the administration of the city parks are under investigation. J. L. T.

St. Louis

The St. Louis Florists' Club will hold a regular monthly meeting next Thursday afternoon, May 12, in their meeting rooms in the Odd Fellows' Building. The May meetings are, as a rule, poorly attended by the growers as they are busy with planting, so President Windler says he hopes the store men, who are not so busy, will come out and make a good meeting.

Henry M. Schisler of the Schisler-Cornell Seed Co. has the sympathy of the trade at large in the loss of his wife who died on Friday, April 29. The funeral took place Sunday, May 1, from her late residence on Halliday ave. Mr. Schisler is an active member of the American Seed Trade Ass'n, and the members thereof will be grieved to learn of his loss. A number of the local seed and floral trade attended the funeral and sent many beautiful designs.

Theo Miller at Euclid and Delmar bvd., is making extensive alterations to the front of his place which will make it one of the most attractive in the West End. Mr. Miller caters to a high class trade in his district and carries only the best of everything in the cut flower and plant line.

Edward Gerlach, bookkeeper and manager of the cut flower department for C. A. Kuehn for many years, will quit his position this month having associated himself with the new firm of Hagen & Co., dealers in roll paper.

Our old friend, Perrie Schnider from Springfield, informs us he has left the employ of A. C. Canfield and will again take his old position with the Oakland Floral Co., at Kirkwood. The trade at large will be glad to see Perrie back. Mr. Erker, who owns the place, is at present building four new houses 28x200 and, when completed, will have 23,000 feet of glass. This firm grows Carnations and Sweet Peas, which are handled by C. A. Kuehn; they are noted for growing all first-class stock.

C. Young & Sons Co. had a good run of wedding work last week; they furnished a swell affair at the Columbian Club which cost $500. The general run of trade at the store fell off somewhat during the cold snap but is now as good as usual in all lines.

The Park Board of East St. Louis was reorganized last week, two new members being elected, Dr. Fairbrother and Dr. Parsons. The Board has done good work for the parks all the year.

ST. PATRICK.

Indianapolis

The State Florists' Association of Indiana held its monthly meeting at the Elk's Club rooms, May 4. Much important business was transacted and a buffet luncheon was furnished at the close.

Tomlinson Hall market is booking numerous orders for the "City Beautiful" these days. Wholesale and retail trade is flourishing.

F. Hitz of Madison, Ind., was in the city booking orders for cut flowers.

Charles Vollrath is recuperating from the grip.

Massachusetts ave. is to be specially lighted by the merchants. The three flower shops in this street should derive much benefit therefrom.

C. O. Wise of Chicago was a visitor.

I. B.

WE call special attention to our large stock of **FERNS,** in all the leading varieties. We particularly mention **NEPHROLEPIS SCHOLZELI** and **NEPHROLEPIS COMPACTA,** both of which are exceptionally fine varieties for growing on.

Neph. Scholzeli
2¼-in. pots, strong plants..$8.00 per 100; $75.00 per 1000
4-in. pots, strong plants..$25.00 per 100; $225.00 per 1000

Neph. Scottii
3¼-in. pots, strong plants..$5.00 per 100; $46.00 per 1000
4-in. pots, strong plants..$16.00 per 100; $120.00 per 1000
5-in. pots, strong plants....$5.00 per doz.; $40.00 per 100
6-in. pots, strong plants....$6.00 per doz.; $45.00 per 100
7-in. pots, strong plants....$9.00 per doz.; $66.00 per 100
8-in. pans, strong plants...$12.00 per doz.; $90.00 per 100
10-in. pans, strong plants.....$24.00 per doz.

Neph. Todeaoides
4-in. pots .....$20.00 per 100
8-in. pans .....$12.00 per doz.
11-in. tubs, very handsome .....$36.00 per doz.

Neph. Whitmani
9-in. pots .....$18.00 and $24.00 per doz.

Neph. Amerpohlii
2¼-in. pots .....$6.00 per 100
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.

Neph. Bostoniensis
11-in. tubs .....$3.00, $3.50 and $4.00 each

Neph. Compacta
2¼-in. pots, strong plants..$15.00 per 100; $125.00 per 1000

Ficus Pandurata, at $2.00, $3.00, $4.00 and $6.00 each
(Branch), at .....$2.50, $3.00, $4.00 and $6.00 each

Crotons
4-in., well colored .....$25.00 per 100
6-in., well colored .....$50.00 and $75.00 per 100
8-in., well colored .....$9.00, $12.00 and $16.00 per doz.
Well colored specimens at $1.50, $2.00, $2.50, $3.00, $3.50 and $4.00 each.

Queen Alexandra Daisy
Strong plants, exceptionally will flowered, just the thing for window boxes and vases, at $5.00 and $6.00 per doz.

Pandanus Veitchii
Beautifully colored .....60c. each; $40.00 per 100

Cyclamen.
We are the largest growers of Cyclamen in America. The stock offered this year is the very highest quality.
2½-in. pots, very strong....$8.00 per 100; $75.00 per 1000
3-in. pots, very strong.....$10.00 per 100; $90.00 per 1000
This stock is much heavier than is generally offered in the above sized pots and will make specimen plants for Christmas sales.

Gardenia Veitchii
2¼-in. pots .....$8.00 per 100; $75.00 per 1000
5-in. pots .....$5.00 per doz.; $35.00 per 100
6-in. pots .....$6.00 per doz.

Standard Baby Ramblers, Crimson, very strong, $1.25 each.
Standard Baby Ramblers, White, very strong, $1.25 each.

SALVIAS
Zurich and **Fireball,** 4-in. pots, strong plants in bud and bloom, $7.00 per 100, $65.00 per 1000.

ROBERT CRAIG COMPANY, 4900 Market Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

PALMS! KENTIAS, in 2½ inch pots, $8.00 per 100, $75.00 per 1000.

JACKSON & PERKINS CO., Newark, (Near Rochester) **New York**

Please mention the Exchange when writing.

SPECIAL OFFER

We will give one copy Plant Culture and The Florist's Exchange two years, all for $3.00.

Plant Culture

NEW, THOROUGHLY REVISED EDITION. JUST PUBLISHED

By Geo. W. Oliver, Propagator to the Bureau of Plant Industry, U. S. Department of Agriculture

Printed on enamelled paper and illustrated with one hundred plates and engravings. Strongly bound, 12 mo., cloth. By mail postpaid, **$1.50**

A WORKING handbook of every day practice for the Florist and Gardener, and those who intend to grow plants and flowers, in the greenhouse or garden, as a means of obtaining a livelihood. Each and every article is written in concise, simple language, and embodies wholly and solely the experience of the writer.

The plants dealt with comprise those which are commercially handled by Florists, Gardeners and Nurserymen, and include Florists' Flowers, Stove and Greenhouse Plants, Hardy Herbaceous Plants, Annuals, Shrubs, Hardy and Tender Vines and a chapter of General Directions, covering Propagation, Seeds, Grafting, Hybridization, etc.

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FOUNDED IN 1888

THE FLORISTS' EXCHANGE

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Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

The New Gladioli Society

Is to hold its first meeting on May 27, at Horticultural Hall, Boston. The energetic and hustling Maurice Fuld is working hard to make it a success. We cannot see why this Society should not have a great future. Gladioli are quite popular with florists, nurserymen and amateurs. There is a great future in this genus as a florist's cut flower and, when they are better known, they will be grown for market as largely as Tulips and Narcissi are today. R. C.

The Retail Store

Cost of Equipment and Maintenance

Our Detroit correspondent, Frank Danzer, has set forth, before the members of his local club, his ideas as to the cost of a first-class retail store and the expense of its upkeep; now, who among our readers, will give us their expression as to the number of dollars required to start and run the average well-kept retail store of a small city? These figures will be of greater interest to the majority of our readers.

Society of American Florists

Registration of Violet

Public notice is hereby given that Thomas DeVoy's Son of Poughkeepsie, N. Y., offers for registration the Violet described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's description: Sport of Marie Louise, 1907. Identical with parent plant, in foliage and habit of growth; flowers double and of a dainty light Wistaria shade.

Name: Marie Elise.

April 28, 1910. H. B. DORNER, Secretary.

The S. A. F. Convention

Arrangements for the Convention are well under way. Supt. of Trade Exhibits, C. H. Vick, reports satisfactory progress. Those desiring space would do well to reserve same at once. Notice may be given that the entire space available for exhibition purposes in Convention Hall is 48,000 sq. ft. This hall was specially constructed for the purpose and it goes without saying that Rochester has the best equipped exhibition building in the country.

The plans for the exhibit will be carried out on an elaborate scale. Music will be a special feature afternoons and evenings; it will be furnished by the 54th Regt. Band. H. B. STRINGER, Secretary.

Wanted—The Commercial Definition of a Seedling

Possibly in view of the clause in the Tariff Act of 1909, which reads as follows:

Stocks, cuttings and seedlings of all fruit and ornamental trees, deciduous and evergreen shrubs and vines and all trees, shrubs, plants and vines commonly known as nursery or greenhouse stock, * * * 25 per centum ad valorem.

the question has been asked us, "What constitutes, commercially, a seedling?" In other words at what stage of its growth, or age, or whatever may be the deciding factor, does a seedling lose its identity as such?

The question may seem an easy one to answer, but we understand there is, for all that, quite some differences of opinion among experts.

Does it cease to be a seedling after its first transplanting, or is this determined by a fixed standard of height or of age? Does the same standard govern all seedlings, whether of evergreen or deciduous plants?

We would like to see this question ventilated by readers of The Florists' Exchange.

Help Wanted

From all parts of the country—from florists, nurserymen and seedsmen, alike—the cry of shortage of help, experienced help, has been heard, particularly since the busy season started.

Admittedly, there is a shortage of practical men which is yearly becoming of more and more serious import. Now, what is the remedy?

This is a condition which affects the pockethooks of the trade, for without men and boys the work must lag, orders remain unfilled or filled too late, or unsatisfactorily; good men, at the same time, may be worked too hard, generating more trouble for the employer.

To find an effectual cure for this trouble is worth the effort, and the topic could be made a leading feature of debate by our local societies as well as the greater national organizations.

Here and there individual employers may be fortunate enough to have so built up their business as to be in a position where they are never bothered by a shortage of this kind; such men are to be commended because they have been wise in their generation, exercised foresight, and have kept on training new material which they could promote as their business expanded.

As we see the question it is largely one of employer and method. Too many employers think it a bore and a loss of time to teach beginners.

Yet it is the young blood which you, yourself, carefully educate in your particular line, interest and treat generously, which is going to be your mainstay as your requirements enlarge.

Mere laborers can be had at any time; skilled labor is painfully short in almost every trade; ours is not the only sufferer, by any means.

Those employers who will give boys a liberal training are the best off, and even they will have many a discouragement. This is so self-evident as not to require debate.

But, in the meantime, the question is, how to obtain an adequate supply of skilled labor for this and next year's requirements?

Who will cut the knot?

Roses, Past and Present

An address by Anton Wintzer, of the Conard & Jones Co., West Grove, Pa., delivered before the Florists' Club of Philadelphia, May 2, 1910.

Mr. Wintzer's address was entirely extemporaneous, no notes being used, and was, in part, as follows: "I regret that I could not prepare a paper, and I fear that I may not fittingly entertain you. You will pardon me if I relate some personal experiences going back perhaps forty-eight years, to the time when I was a boy of fifteen working for Parsons & Co., of which company Samuel Parsons, author of 'Parsons on the Rose' was senior member, and the leading spirit.

One day the foreman, Emile Beaumont, sent me to tell Mr. Parsons that the new Rose Eugene Appert was in bloom. This Rose was sold to retailers at one dollar per plant.

About this time Samuel Parsons, while in Europe, engaged and brought back with him a German rosarian. Several acres of land were trenched and prepared, and sown to grass; and then beds were marked out and planted with old-time Roses, Moss, Damask, Hybrid China, all imported stock. Among them were General Jacqueminot, Baron Prevost, Bourbon Queen, Aggrippina, Malmaison, Sombreuil and Hermosa. Probably $10,000, in all, were expended. The experiment was a financial failure and was abandoned. One hundred dollars would have covered the profits.

Rose breeders of Europe were not slow to take advantage of the market which America afforded for their productions. Victor Verdier of Paris brought out some twenty-five new varieties annually, of which many were good, and other Rose breeders were also at work.

Just at this time little attention was given to distinction of classes between Hybrid Perpetuals and Hybrid Teas. If one of the latter was bred out of one of the former, it was allowed to remain among the Hybrid Perpetuals. For instance; La France is a Hybrid Tea, but was classed among the Hybrid Perpetuals.

Henry Bennett of England now began systematic hybridizing, sending out his ten pedigreed Roses, among which were Duke of Connaught, and William Francis Bennett, for which Evans of Philadelphia paid $5000, thereby creating great excitement among rosarians.

Hybrid Tea Roses are rather weak. We need Hybrid Tea Roses with the vigorous and hardy character of Magna Charta and Paul Neyron, and the free blooming quality of La France.

We had at that time only three climbing Roses: Prairie Queen, Baltimore Belle, and Seven Sisters. Crimson Rambler, in 1894, was introduced by Turner from the Kew Gardens in England.

Later, Dr. Van Fleet, Dawson, Walsh, and O'Farrell, began bringing out new types, using in their work Wichuraiana and Mrs. De Graw and others, and gave us Ruby Queen, May Queen, Perle Queen, Royal Cluster, Alba Rubifolia, Dorothy Perkins, Minnehaha, Dr. Van Fleet, and American Pillar.

Only ten years ago Single Roses began to be used. Twenty years ago a Rose breeder wrote me asking what he should do with the good single Roses.

American Pillar is a hardy, vigorous, free blooming Rose, the blooms remaining a long time on the bush, but at first it was not much esteemed and had to go to England before it was appreciated in America. Then someone saw its good points and put it on the market.

Back in 1865, 40,000 to 50,000 Rose bushes were considered a very large number. This was before the mail trade began. Then Roses were root grafted. Parsons kept secret the name of the stock on which he root grafted, but later I became convinced that he used William's Evergreen. Later, Roses began to be grown on their own roots.

The years from 1866 to 1869, inclusive, showed many introductions of Hybrid Perpetuals, such as Lorraine, which is still well worth growing, Normandy, and a good many reds, such as Duke of Edinburgh, Gloire de Santenay, John Keyes, Victor Verdier, Prince Camille de Rohan, Alfred Colomb and Anna de Dieshach.

Harrison's Yellow, under good culture, is one of the best own root Roses. It is an early bloomer, somewhat fragrant, and suited to our climate. The Scotch Roses, too, such as Stanwell's Perfection and others are all hardy, bloom early, are not subject to disease, and are suitable for use in landscape gardening.

Rosa rugosa is from Japan, is suitable for hedges, for planting in poor soil, and for use very near the seashore.

Double varieties of R. rugosa have now been produced, among which are Sir Thomas Lipton and New Century, by crossing R. rugosa with Soupert, Ferdinand Meyer by crossing R. rugosa with La France, and Rosa rugosa magnifica by crossing R. rugosa with Victor Hugo.

China and Bourbon Roses have received little attention for forty years. Apolline, Queen Scarlet, and Aggrippina are all good.

There is an opportunity for some Rose breeder to take up this work and give us some hardy China Roses. Plant breeders run in grooves, where one breaks the ground others follow, and for this reason some classes of Roses have been neglected. Rose breeders should take up these neglected classes and give us a more vigorous race from them. Follow out zealously, carefully, and intelligently a certain line of plant work for years, and results will follow. We must, of course, have money, but work with a love for the work also. This is the way Dr. Van Fleet has worked for years, giving up a highly lucrative profession out of love for the work. He has worked on unselfishly, and patiently; he has obtained results, and he is worthy of the highest commendation. Thus, also, has worked John Cook of Baltimore, one of God's noblemen.

We must work on filled with a love of the work. What are we here for? Take up some good and useful work and be happy. Those who worked years ago began to spread a love for Roses, and that love is fast increasing. Americans will soon be the greatest Rose buyers in the world. Other flowers are beautiful, but the Rose is the 'Queen of Flowers.' She always has been and she always will be the queen.

As the love of flowers increases among the people with equal pace the love of peace will increase also and no class of people is contributing more toward the ushering in of universal peace than the florists. Flowers are grown in love and beget the love of peace. The great rosarian, Henry Ellswanger, said: 'He who would grow Roses must have Roses in his heart.'"

At the conclusion of his address Mr. Wintzer was enthusiastically applauded, and a vote of thanks was extended to him.

Discussion

Joseph Heacock first expressed his appreciation of Mr. Wintzer's talk.

Mr. Thilow related the following incident in the life of John Cook: My Maryland, he said, went into the New York Market and was favorably received; some one, consequently, offered a large price for the stock, but on condition that he be allowed to change the name

of the Rose. "No," said John Cook, "the Rose has been called 'My Maryland' after my State, and 'My Maryland' it shall remain, whether I receive money for it or not." Mr. Thilow asked if Climbing La France was a distinct variety, to which question Mr. Wintzer answered "yes," but that it was apt to revert.

Robert Craig spoke of the days when in rich soil his father used to grow Devoniensis and some other Tea Roses, four feet high. They grew too large then for potting up again. That was before the dreaded black spot attacked outdoor Tea Roses. New York, Long Island and Hoboken, too, used to grow Tea Roses very large. His father used to bud many Roses on Manetti stock, letting them run up tall after cutting back the Manetti stock above the bud. "My Maryland," said Mr. Craig, "is the best grower of all Roses out of doors, and the freest bloomer, as proved by a test among many others. It has a great future as an outdoor Rose. Though a Tea Rose, it is very hardy. Plants in pots plunged in coal ashes wintered out of doors. My Maryland is a great monument to John Cook." Mr. Craig spoke of the old days when 100 Marechal Neil Roses in thumb pots sold for $25. In 1861, Philadelphia growers were shipping many Roses South, but the war stopped that.

Adolph Fahrenwald said that though he grew Roses only for cut flowers, still that, too, begets a love for Rose plants. He thought too few Hybrid Teas were grown in the garden, and that Rose spot would be overcome. He spoke of some very vigorous and healthy Rose bushes which he saw in sunken beds in Elizabeth Park, Hartford, Conn.

George Watson asked Mr. Wintzer why he left out Dixon in naming the Rose breeders, to which Mr. Wintzer replied that if he went over to the other side it would take all right, and besides you could not bring Ireland's climate over here. Later on, Mr. Watson asked Mr. Wintzer to tell about the bad things as well as the good, especially about the new Blue Rose.

Mr. Wintzer replied that although the color of the Blue Rose was not a Cornflower blue, still it was not so bad after all; that it should have a trial and that trying a Rose was like courting a girl, one did not know her till he had courted her. So a Rose should have a trial for several years, and should not be condemned in one or two years.

John Westcott said he could remember when in Winter they had no Roses in bloom, excepting perhaps Hermosa and one other. Then, a Winter bouquet of Roses had a five-inch center of Roses surrounded by some other flowers and green, and sold for $10. Forty years ago a man called and insisted on having a bouquet made entirely of Roses. This was in Midwinter. It was made and the price was $20. Thomas Cartledge, his partner, thought he was making the price too high, but other orders followed at the same price. This was the first introduction of bouquets of Roses in Winter in Philadelphia.

Frederick Hahman said that he could remember how well the Tea Roses grew thirty years ago, and bloomed outside, and that a mistake was made in going away from them. The public now expected hardy Roses. Educate the public to buy Tea Roses, he said, though they last but a season, such as Schwartz, Safrano, the Cochets and others. Tea Roses, he said, were not so subject to black spot.

Death of Ludwig Moeller

In the death of Ludwig Moeller, on April 12, 1910, German horticulture has lost one of its most forceful and original representatives. He was practically a self-made man. Of humble origin, and starting out in life with merely a common-school education, without the higher technical training, without any capital of his own, and without influential friends to prepare the way for him, he achieved a place among the leaders of his profession by sheer force of will and perseverance, coupled with great natural abilities; in the plenitude of his powers his influence was the predominant one in German floriculture and pomology.

Ludwig Moeller was born on Dec. 4, 1847, in Blechernkrug, province of Mecklenburg, Germany. On leaving school he went as gardener's apprentice to the estate of Diestelow, in Mecklenburg, and then worked for seventeen years as assistant with different florists and on gentlemen's estates. Even as a young man he took a prominent part in the sessions of the various florists' associations to which he belonged. In 1879 he became director of the Federation of German Florists' Societies which, at that time, was publishing the "Deutsche Gaertner-Zeitung." This marked the turning point in his career; and he now took up the technical side of gardening, exchanging the trowel for the pen.

In October, 1885, he resigned his several offices in the Federation, and on Jan. 1, 1886, the first number of "Moeller's Deutsche Gaertner-Zeitung," appeared; this was his own enterprise and was published at Erfurt, where its offices still remain. To this publication he now devoted his entire time, developing it from small beginnings into one of the leading horticultural journals of the world. He gave great attention to the illustrations, and invited specialists from all over the globe to become collaborators. He created with his perfodical the type of the modern German horticultural journal.

A few words as to the branches of German horticulture in which his influence was especially felt. He was one of the chief promoters of the German cut flower industry, and an authority on trade conditions covering same. He was influential in paving the way for promising novelties, while keeping meritorious older plants to the fore, his aim being to diversify plant culture. He was equally interested in all that made for trade advancement, and the expressions of opinion which he elicited on all new questions pertaining to horticulture have been of immense help to the German gardeners. The fruit growers also are much indebted to him for encouragement and instruction and the correction of abuses through his fearless criticism.

The regulation of exhibitions was one of his chief concerns and the improvements now obtaining in their management, as against the conditions existing some fifteen years ago, are largely due to his sharp and unceasing criticisms. This question, more than any other, aroused his mettle and, born fighter that he was, he spared no man in his attacks where he saw some abuse to be corrected. He was equally bitter in his denunciation of worthless fungicides, etc., and the weapon of ridicule which he so often used served to awaken horticulturists to the danger lurking in many of these preparations.

As a writer he was notable for the clearness and conciseness of his diction. His style was that of a master, always sure of his point, and always the right word in the right place. He was the greatest journalist among the German horticulturists. Knowing the value of high-grade horticultural journalism, he claimed a greater respect for it than had been accorded so far, and the present high standing of the horticultural press in Germany is largely his work.

The Late Ludwig Moeller

He took an active part in horticultural conventions and congresses. He was one of the founders of the German Dendrological Society and of the Association of German Nurserymen. He often took part in the discussions of the Prussian Ministry of Agriculture and in the German Department of the Interior. His experience, keen insight and sure judgment were acknowledged by all. He was a man of strongly pronounced personality, a fighter determined to have his views prevail, unceasingly renewing the attack and giving no quarter to his enemies. Independent in his views, straightforward in expressing them, pleasing in personal intercourse and simple in his tastes, he was also a good friend and an entertaining companion, a genuine man whose name goes down to posterity as one of the greatest horticulturists of the present time.

Ludwig Moeller was buried in Erfurt, April 15. Although he had expressed the wish not to have his death made known in the press, yet many came to pay their last respects, among them representatives of the florists of Erfurt, of the Society of German Pomologists and of the horticultural press. Numerous magnificent wreaths were sent by the various associations with which he had been connected, the city of Erfurt and the Municipal Council, of which latter he had been a member for the last fifteen years, and by other societies, friends and officials.—From *Moeller's Deutsche Gaertner-Zeitung.*

New York Pure Seed Bill

The Callan Pure Seed Bill passed the New York House of Assembly on Thursday morning, May 5.

Tariff on Hyacinth Bulbs Protested

Entries under paragraph 263 of the Tariff Act of 1909, which includes the item "Astilbe, Dielytra, Hyacinth and Lily of the Valley clumps, $2.50 per 1000," were recently protested in Boston, on the ground that Hyacinths were not sold in commerce as "clumps," but were "bulbs" in every sense of the word, and, therefore, not being otherwise provided for should be classed as unenumerated, and entitled to entry at 50c. per 1000.

The matter was referred to the U. S. General Appraisers at New York, and there was a hearing before Board No. 3 on Wednesday, May 4, which occupied the whole day. J. B. Clark of H. A. Dreer's, Philadelphia; Geo. Stumpp, of the Stumpp & Walter Co.; Arthur M. Kirby, of Peter Henderson & Co.; J. J. Wilson, of J. M. Thorburn & Co.; H. A. Bunyard, of A. T. Boddington's, all of New York; and Mr. Eldering, of W. J. Eldering & Son, Overveen, Haarlem, Holland, were in attendance, under subpœnas, to give evidence. The seedsmen all seemed to be in favor of the $2.50 rate, believing that was the intention of the tariff, and that the word "Hyacinth" should have been in the plural form followed by a comma, as in the case of the words "Astilbe, Dielytra," immediately preceding. In the argument as to the nature and definition of Hyacinths, the issue of The Florists' Exchange of Dec. 11, 1909, in which an illustrated article described the production and commercial distribution of Hyacinths, was put in evidence as Exhibit No. 6, and had great weight.

The decision of the court was deferred.

Obituary

Samuel W. Twombly

Samuel W. Twombly died at his home, Winchester, Mass., April 27. He was born in Tamworth, N. H., in 1822.

George Baker

George Baker, who was engaged in the nursery business, and was also an enthusiastic horticulturist, died at his home, 329 Chestnut st., Toledo, O., on April 21, after a long illness. He was born in Norwalk, O., in 1832, and came to Toledo fifty years ago. He is survived by four daughters. Mr. Baker was prominent in the civic life of his city and at one time a well-known local railroad promoter.

William McFarlane

William McFarlane died last Saturday April 30, at the Mass. General Hospital, Boston. He had been unwell for some time and died of acute kidney trouble. He was a native of Scotland and was with Peter Henderson & Co. of New York for some time, and had been with R. & J. Farquhar & Co. of Boston for the past ten years. He was buried on Sunday, May 1, at Forest Hill Cemetery; a large number of seedsmen and other friends attended the funeral. He was a quiet, unassuming man, and was much respected by all of the seed trade in this city. R. C.

Anthony M. McLaren

Anthony Murray McLaren, proprietor of the Westwood Nurseries, on High st., Westwood, Mass., and for 40 years proprietor of a large florist business at Forest Hills sq., Boston, died suddenly of a shock of paralysis on Hyde Park ave., near Neponset ave., Roslindale, April 27, having been taken ill on his way home.

Mr. McLaren was born at Crieff, Perth County, Scotland, in October, 1830, the son of John and Ellen (Sharp) McLaren. His early education was received at Drummond Castle, after which he attended Octertyre, the great training school for landscape gardening. About 56 years ago he left his native land, going to St. John, N. B., where he remained five years. He then came to Boston, for a time working on various estates in the suburbs. For four years he was gardener at Forest Hills Cemetery.

For 40 years Mr. McLaren conducted a florist business at Forest Hills sq., where the railroad station is now located. Later he moved to Westwood, where he has since conducted his nurseries.

Mr. McLaren laid out many beautiful estates in different parts of the country. He was a member of the Mass. Horticultural Society and the winner of many prizes at its exhibitions.

Jan. 10, 1856, at St. John, N. B., Miss Mary Ann Campbell of that city married him. His wife survives him, also three sons and four daughters.

Greenhouse Construction and Heating

Copyright, 1910, by A. T. De La Mare Ptg. & Pub. Co. Ltd.

By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article IV

Size of House

Having reached a decision as to the form of house best suited for the crop, and location, the next matter for consideration is the size of the house.

Many of the old ranges of greenhouses consisted of houses averaging from 18 ft. to 20 ft. wide. In years gone by this was considered the proper size of a house, but in the last few years greenhouse construction has developed more rapidly than for many years previously, and the question of the size of a house has been taken up and strongly contested by the advocates of the large and small houses, the arguments on both sides being so strong that many florists have found themselves in a dilemma in this matter.

In considering this question we must keep before us the first essential, as mentioned in the first article, viz. light; the question of heat must also, in this connection, come in for due consideration, and as these are the two main factors in growing plants everything in the construction of the house itself must be made subservient to them.

In speaking of the size of a house, very frequently the width is the only factor which is considered, but we must also bear in mind that the cubical contents of a house is an important factor; and with a given width and height of eaves the pitch of the roof enters into the question, as a house with a low pitch has not the same cubical contents as one with a high pitch; in other words, if the roof of the house has a pitch of 4 in. to the foot the cubical content is considerably less than if it was made with a pitch of 8 in. to the foot.

In years gone by the pitch of the roof did not receive very serious consideration by a grower, apart from the determination of the shortest bar that would span a house of a certain width, with a pitch that was sufficient to allow the roof to clear itself of snow, and these two conditions alone have been very largely, in the past, the deciding factors of the pitch of the roof, without any consideration as to the matter of light. The old theory was that a glass roof would let light through no matter at what pitch it was constructed, and that was deemed sufficient; but the attention of growers has lately been drawn to the fact that the pitch of the roof has considerable to do with the amount of light transmitted. Stated differently, the same bars and the same glass placed in a greenhouse at a very low pitch will not transmit as much light as the same bars and glass placed with a steep pitch.

This is due to the fact that the rays of light in striking glass directly, that is, at an angle of 90°, will pass entirely through it; with the exception of a small percentage of loss due to absorption, depending upon the quality or condition of the glass. This absorption varies from 10% to 18% according to the clearness and thickness of the glass. It is safe to place this percentage of loss for second quality, double thick, clear glass at 14%, thus leaving a possible 86% which would pass through the glass when the sun's rays strike directly on it at 90°; but as the angle of the roof is reduced, so that the sun's rays strike at an oblique angle, a certain proportion of the rays are lost by reflection in addition to the loss by absorption, this loss increasing as the pitch of the roof is reduced.

To make this clearer, and to show the approximate percentage of loss for each pitch of roof within the range of greenhouse construction, we have constructed the diagram as shown in Fig. 18. This shows the various angles at which the sun's rays at a given altitude strike the glass of the roof of a greenhouse at various pitches.

Line A shows the sun's rays at about an angle of 25°, which is the altitude reached at noon time in the Winter, when the sun is farthest to the south. Line B shows the sun's rays at an angle of 10°. Table C shows the degrees of the angle at which the sun's rays, when at 25°, strike the roof glass at the various pitches. Table D shows the approximate percentage of loss by reflection for each of the given angles. Table E shows the degrees of the angle at which the sun's rays, when at 10°, strike the roof glass at the various pitches. Table F shows the approximate percentage of loss by reflection for each of the given angles. Table G, at the right of the diagram, shows the pitch of roof glass in inches per foot. Table H shows the degrees of angle for each rise or pitch.

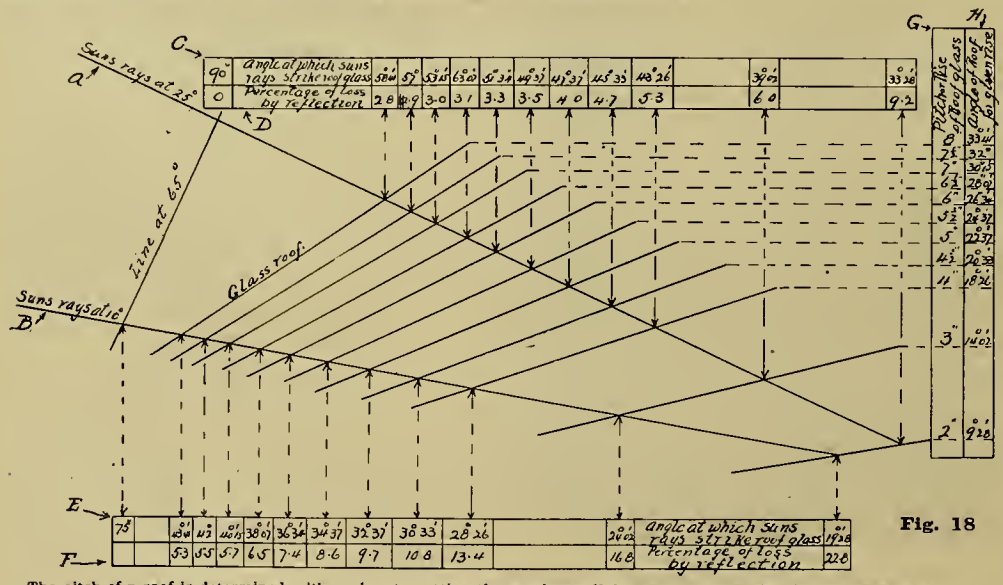


Fig. 18

The pitch of a roof is determined with a view to getting the maximum light, not altogether for the clearance of snow, as many growers have supposed

The diagram is used as follows: If it is desired to find out the approximate percentage of loss due to the reflection from roof glass when placed at an angle of about 30° 15′, or 7 in. pitch, with the sun's ray at 25°, read down Table G until 7 in. is reached and follow to the left hand the dotted line until it terminates at the solid diagonal line which shows the slope of the glass roof at this angle. Follow this line to the point where the line of the sun's rays crosses same and from this point trace up, vertically, the dotted line which terminates at Tables C and D, when we find that the percentage of loss is 3% and the angle at which the sun's rays strike the glass at this point is 53° 15′. By continuing on this same roof glass line to where the sun's rays at 10° crosses same, and from that point tracing downward the dotted line to Tables E and F, we find the angle at which the sun's rays strike it to be 40° 15′ and the approximate percentage of loss by reflection 5.7%.

It will be noticed that between the roof pitches at 8 in. to the foot down to 6½ in. to the foot there is only a difference in loss of about one-tenth of 1% for each pitch; but below the 6½ in. pitch the loss increases more rapidly. The same is true when the sun is at 10°.

From the foregoing it will be evident that the steeper the pitch of the roof the more light will be secured during the short days of Winter. If the roof of the house was placed at an angle of 65°, the sun at an angle of 25° would strike it at right-angles, but this would be impracticable owing to the height of ridge which would be necessary, and which would prove detrimental to the adjoining house or cause a considerable waste in room to admit of the house being moved far enough away to avoid the shadow from same. What this distance should be will be considered later. The height of the ridge in proportion to the width of house, necessarily, is a deciding factor in connection with the pitch of the roof, but as will be seen from diagram 18 this pitch should not be less than 6½ in. or 27°.07′, as below this point the loss of light due to reflection increases rapidly. The usual practice, therefore, has been to construct the roof of the greenhouse with a pitch of from 6½ in. to 7½ in. to the foot, and it has been found that the mean between these two, or 7 in. to the foot, which is 30° 15′, is the most desirable for general purposes; the loss from reflection, with the sun at 25°, with this pitch is only 3%, and with the sun's rays at 10° the loss is 5.7%.

(To be continued)

The Nurserymen, Market Gardeners and General Hailstone Insurance Corporation, Ltd. (Eng.)

The fifteenth annual general meeting of this company was held in London, April 8. The accounts showed an increase in the year both as regards premium income and interest. The year had been peculiarly free from hailstorms, but two further claims had been settled since the accounts were closed. During the 15 years the premium income had increased from £681 1s. 9d. to £2,476 13s. 10d., which shows that the company is meeting a distinct need and becoming better known. A dividend of 7½ per cent., and bonus of 2½ per cent., making £1000 in all, was declared, and £1500 added to the reserve fund, making the reserve £16,500. The invested funds at the end of the year amounted to £26,887 6s. 7d. The company is not paying big dividends, but is building up the reserve fund against heavy claims which might come in at any time. The area insured now amounts to over 37,700,000 sq. ft. of glass.

From the foregoing it is shown that the insurance on sq. ft. of glass carried by the British corporation is slightly greater than that covered by the Florists' Hail Association of America. The statement of the first named company sheds no light on the amount of damages paid for the year, but we should judge it to be far less than that met by our own Association, as the elements there do not generate such terrific storms as with us; this view is further confirmed by the stated facts of a dividend payment and a treasury surplus of some $130,000.

We are receiving your much valued paper regularly; it is one of the few papers we want to read.—H. ZIJP & CO., Lisse, Holland. April, 1910.

Seedling Magnolias

Editor The Florists' Exchange:

We note with interest Mr. Meehan's remarks in connection with Mr. Samuel Moon's Magnolia seedlings. Magnolia stellata seeds freely in the vicinity of New Haven, and the seedlings get to be large enough to bloom in four to five years with us. They vary somewhat in habit of growth, shape and color of flower. Some few years we planted seeds of Magnolia Lennei, which is considered the hybrid garden type. This lot of seedlings varied greatly in habit of growth, hardiness and character of bloom, but none of them have seemed to be sufficiently marked to make it seem worth while to extend the present list of varieties, though some of them are very beautiful. THE ELM CITY NURSERY CO.

New Haven, Conn., April 18, 1910.

—It is interesting to know that Magnolia stellata seeds at New Haven. That it does not in Germantown, Phila., so far as the writer knows, must be from some local cause. At this writing bushes of it have small green pods on them, as they do every year; perhaps some of these may not drop off this season. Mr. Samuel Moon has not said whether it is common or not for his bushes to fruit every season. H. Lennei is a prodigious seed bearer with us, every flower, almost, being followed by a pod. Being but a hybrid, variations are looked for in its seedlings just as they are in those of Soulangeana.

JOS. MEEHAN.

SOIL STERILIZATION

A Reason for Its Practice

By JAMES HAMILTON,
Chestnut Hill Greenhouses, Mt. Washington, Md.

Having been troubled to an alarming extent by nematodes or eel worms in our soil, which caused nodules to form on the roots of our Rose plants, sacrificing the health of the plants and the production of blooms, we realized that a preventive must be found if Rose-growing was to be made a success. Two remedies were taken into consideration: The use of grafted stock; and the use of sterilized soil. The latter, being the least expensive, we decided to try first.

Simple Apparatus

The following plan, recommended by the Department of Agriculture, was adopted and, I may say, it proved both effective and inexpensive: A box 2 ft. deep, 6 ft. wide and 5 ft. long was built on leveled ground. Boards were laid, snugly and closely, for a bottom, for ease in shoveling out the soil and also to form a permanent base upon which to lay the tile used. The sides of the box were nailed to 3x4 posts, placed 5 ft. 4 in. apart and planted securely in the ground. Strips 3" wide were tightly nailed over all joints in sides and ends of the box, in order to have it as tight as possible. A 2" steam pipe, connected to a boiler, was laid and a nipple and elbow attached to one end of the box, to which a cross, or 4 way, was screwed so as to divide the steam flow into three parts, by the use of short 2" nipples, with elbows on each outer nipple pointing up the box. Into each elbow a nipple was placed, to correspond with the center nipple in the cross. Drain tiles were used to extend the flow the length of the box, the first tiles of each row overlapping the nipples, the remaining tiles butting against each other until the three runs were in position, all as shown in the sketch herewith.

The Process

Soil was then packed tightly around the tiles to keep them in position and strictly in line. The entire box was then filled with the soil, together with layers of well rotted cow manure and a liberal allowance of soft, white bone meal. The whole was then covered with canvas, bags or other covering, to prevent the steam from escaping.

Medium sized Potatoes were placed about four inches below the surface at different points, marked by stakes so as to be easily located, as a means of testing the thoroughness and uniformity of the steaming. When these potatoes were cooked the soil was sufficiently sterilized, the process taking from four to five hours, depending upon the tightness of the box, the regularity and amount of steam used and the dryness of the soil—the drier the better. The soil used in our case was freshly plowed sod filled with couch grass, a perfect mat of it, but since treatment not a live sprig of this grass has been seen. In removing the soil the tile is carefully laid aside as uncovered, and cleaned out ready for the next batch.

Results

After sufficient soil had been treated for three houses of Roses and three of Carnations, an additional box full was sterilized to be used for potting young Roses, Carnations, etc.; also a box of well rotted manure for mulching.

The results obtained could not be more satisfactory. For purposes of comparison we planted sections of benches with Roses in untreated soil. The results in untreated soil have been very marked in growth of plants, yield and quality of blooms, to say nothing of having to weed four times thus far, while there has been no weeding at all in the treated portion.

As a further test, we planted a part of a bench with strong grafted Bridesmaid Roses, and the difference has been greatly in favor of the own root stock in treated soil, both in size, quality and number of blooms, and growth of plants.

As to the use of the treated soil for young stock, such as Roses, Carnations, Asparagus, 'Mums, etc., it is a real pleasure to see the absolute absence of weeds, and the health and vigor of growth of the stock.

We have concluded that as a matter of saving labor it will pay handsomely to treat the soil for the elimination of weeds alone, even if of no value otherwise. We found, however, that small seeds did not appear to germinate so well in the sterilized soil.

In Carnations, beyond a weed here and there—brought in with the plants from the field—the results were equally satisfactory. There was, practically, no stem rot, and our crop has been very heavy and of the very best quality, in fact, the finest we have ever grown; probably the time of one man one half day only has been spent weeding, during the whole season, ten thousand plants.

Warning

A few "don'ts" are, however, imperatively to be born in mind, as to the danger attending the carrying of the steam pressure—from 60 to 70 lbs., necessary to obtain satisfactory results. Don't attempt sterilization with a cast iron boiler under any circumstances!

Don't attempt it with any boiler not safe to carry 100 lbs. pressure!

Don't neglect to see that your boiler is equipped with either an injector or inspirator, in case your water pressure is not sufficient to overcome the pressure of steam carried! In our case we have 125 lbs. water pressure, which easily overcomes the 70 lbs. steam pressure carried on the boiler.

Don't neglect to keep sufficient water in the boiler while carrying high steam! Should the water get out of sight *draw fire and cool down before letting in more water.*

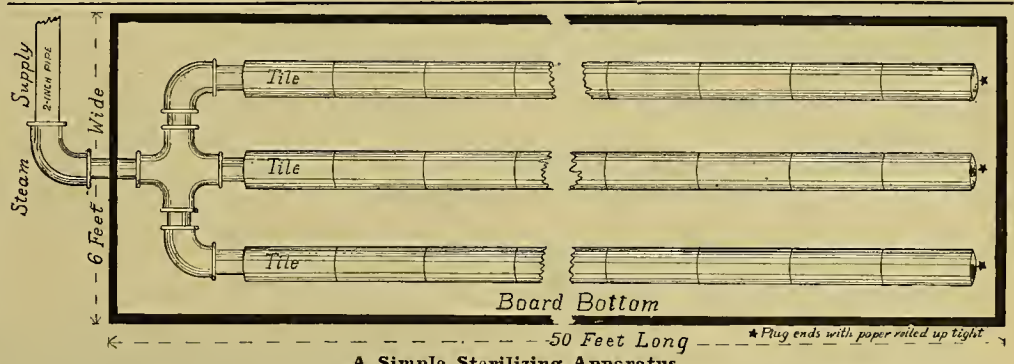
Don't neglect to see that all returns from the heating coils in your greenhouses—when you use your regular heating boiler—are tightly closed with valves! Also have a valve in the flow or supply pipe at the boiler, and do not turn steam into the sterilizer until the gauge shows 60 to 70 lbs. pressure; and if steam gets down below 40 lbs., cut it off entirely until it again gets up to 60 or 70 lbs.

In furnishing us with this account, Mr. Hamilton says: "I hope it may be the means of conferring on others the blessing it has been to me. I do not know what inducements could be offered us to get us to give up using sterilized soil for Roses, Carnations, etc., except in the sowing of seeds, as these do not seem to do so well."

Among the Growers

Frederick H. Dressel, Weehawken Heights, N. J.

A visitor at this establishment soon notes the fact that Mr. Dressel confines his attention mostly to the growing of four kinds of plants, namely: Ficus elastica, especially branching specimens; Dracæna Massangeana, and in smaller numbers Dracæna Godseffiana; Aspidistra variegata; and Ferns. The Aspidistras are from Japan; the others are propagated on the place.



A Simple Sterilizing Apparatus

The Dracæna Massangeana is seen here in all the different stages of its growth, in very large numbers, and in such perfect condition that it would be worth the visit to see it alone. There is a house filled with old stock plants, and there are a number of long propagating boxes where the plants are striking root, besides several houses filled with plants of various sizes growing on for market. The odd and delicate, but beautiful Dracæna Godseffiana is equally well grown.

In Ferns, Scottii receives most attention. A large number of plants of the comparatively little grown Polypodium auratum may also be seen, and the stock is very attractive.

It is, however, to Ficus elastica that Mr. Dressel gives most attention, and seldom can it be seen grown to as great perfection, as here. His method of growing is exceedingly interesting and is, briefly, as follows: Cuttings, preferably a foot long, are taken in January, February and March. If it could be so arranged it would, he says, be better to take them all in March, since rapid propagation and the growth so necessary to success with Ficus elastica can be better obtained in the case of March cuttings. From these large cuttings many branching specimens are obtained. After they are well rooted they are potted off and hurried on as fast as possible. Plants brought on by this method can be seen here at this time of such size, and branching so freely, that it is almost incredible that they are so young. About May 1, or a little later, the plants are taken out of doors and shaded with slats, which can be removed toward sunset and left off until the sun gets high enough to strike them next morning. About June 1 they are knocked out of their pots, and set out in the open ground. At the end of August they are again potted and the slats put over them for about two weeks, when the plants are left outside until there is danger of frost.

Mr. Dressel has given much attention to the question of economically changing his old wooden greenhouse benches into reinforced concrete benches. After some years of experiment, and some costly experience, he has very successfully worked out the problem of an economical, substantial concrete bench, ingeniously using the old wooden bench itself as staging in the work.

H. Schmidt, Weehawken, N. J.

At this establishment is grown at this season a general line of bedding stock, including a large stock of Coleus in the standard varieties. Primula obconica, however, of the improved gigantea variety, and the "Ronsdorfer Hybrid" strain, is Mr. Schmidt's specialty. The seeds were sown just after Easter, and are now up, the young plants very carefully shaded. As soon as they can be handled they are pricked out into flats and later into pots. Mr. Schmidt finishes about 40,000 pots of these plants, for which he finds a ready sale.

He is also growing a smaller number of Primula Sinensis. He has tried the new yellow variety, Kewensis, but finds that the color is not deep enough, and that the plants break too easily for commercial purposes.

Herman Bartsch & Son, Union Hill, N. J.

This entire establishment is now devoted to the growing of Roses, in 6-inch pots. Imported stock from Holland was used for this purpose for many years, but recently stock bought of Storrs & Harrison, and Jackson & Perkins, in this country, has been used and found much more satisfactory.

There are growing here now in fine condition, showing excellent culture, and well covered with buds, 10,000 Magna Charta, 2000 Ulrich Brunner, and 2000 Crimson Ramblers. The sight of these well grown Rose plants is well worth a journey, and leads to the conclusion that a good grower and an old range will show better results than a poor grower and a costly range of greenhouses.

Bulb Growing at Washington, D. C.

Although warned by the Government that bulbs would not grow very well at Washington, D. C., Mr. D'Alcorn of Portsmouth, Va., established an experimental farm there. He reports Hyacinths and Tulips as doing remarkably well. Daffodils and Narcissi are also satisfactory; but Spanish Iris is a failure, owing, probably, to the severity of the Winter.

Peonies look in ideal shape and although not much is to be expected the first year in the way of bloom, Mr. D'Alcorn seems to have solved this problem, many plants showing six to eight fully developed buds, the laterals having been pinched out. The Peony section covers a grand collection resulting from 25 years of experience, containing among other varieties Duchesse de Nemours in great number, also Lady Carrington, Mme. de Galhau, M. de Guerle, Marie Lemoine, and Solfaterre.

Ten thousand Paper Whites were grown successfully through almost zero weather, under sunlight sash.

A great feature here is the Darwin Tulips, 119 varieties, at least different names, so it is intended to keep the odd nineteen and dump the rest into the mixed Darwins, as only the best of each color is salable in a market so critical as that of Washington. Mr. D'Alcorn says the soil and climate is ideal for Darwins and thinks, for the guidance of buyers, the following are the best: Pride of Haarlem, rose; Farncombe Sanders, scarlet; Glow, scarlet; Gustave Dore, lilac pink with white; Clara Butt, salmon pink; Psyche, pink; Mattia, rose pink; Dorothy and Landelle, late pinks; and Violet Queen, lavender. As there is neither a pure white nor yellow Darwin, good substitutes may be had in Cottage or Gesneriana species: Mrs. Moon, the best yellow Tulip, but expensive; Lutea Gesneriana, the next best yellow; Parisian White, a really fine late white with picotee edging.

Gesneriana spathulata major, of which there seems two distinct varieties with no difference beyond period of flowering, is a very good scarlet flowering sort with Darwins, but has neither the substance nor keeping qualities.

Mr. D'Alcorn expects to open up another farm at Philadelphia this year.

The Forthcoming Nurserymen's Convention

We learn through Secretary John Hall, of the American Association of Nurserymen, that arrangements have been made by the Entertainment Committee, of which Mr. F. A. Weber, Nursery, Mo., is chairman, by which members going to the Denver convention, June 8-10, can reach St. Louis at a given time so as to meet fellow members and travel on to Denver in each other's company. We incline to the belief that this should prove a very happy combination, affording opportunity for renewing acquaintances and enjoying a social time together en route, as well as giving opportunity for discussing matters of business, etc., and thus simplifying things ready for action immediately on arrival at the convention city.

Eastern members desiring to travel by way of St. Louis should arrange to reach that city as early as possible on the morning of the 6th of June, leaving St. Louis via Colorado Limited, over the Burlington Route, 2.15 p.m. It is particularly desired that not only Eastern, but Southeastern and Southern members observe the same schedule. Arrangements for through tickets and reservations can be made with the nearest agent. All roads will sell through tickets to Denver, but care must be taken to have tickets read over the Burlington, and arrange leaving time so as to make connection with the Burlington St. Louis train, No. 13.

All "Nurserymen Special Cars" will be consolidated at Oxford Junction, on the 6th of June, affording a daylight run together through western Nebraska and eastern Colorado.

The meeting place in St. Louis for incoming delegates will be at the Burlington offices, 728 Olive st., up to 12 noon: after that time near the Information Bureau, Union Station. A committee of St. Louis nurserymen will be glad to meet members and assist in any way possible. Reservations for the St. Louis sleepers can be sent to F. A. Weber, Nursery, Mo., or to J. G. Delapaine, city passenger agent, Burlington Route, 728 Olive st., St. Louis, Mo.

Mr. Weber also confirms the previously announced arrangements for the entertainment of members and their wives while in Denver, not the least interesting of which will be the proposed complimentary trip over the renowned "Moffat Route," said to be one of the finest scenic routes out of Denver. Funds for the entertainment features promise to be such "that the various stunts will be pulled off on schedule time."

The exhibits promise to be up to the average, if not in excess, and Mr. E. P. Bernardin, chairman of committee on exhibits, writes, "We are promised some fine Colorado-grown ripe Cherries, which all will enjoy."

Every member reading this notice, and who has not yet sent in his name to the secretary, should do so at once, in order to be sure of a place in the Badge Book. Address John Hall, 204 Granite Bldg., Rochester, N. Y.

The Denver Convention Program

Address of Welcome—Col. J. S. Irby, representing City of Denver.
Response—Capt. C. L. Watrous of Des Moines, Iowa.
President's Address—F. H. Stannard, Ottawa, Kans.
Report of Secretary—John Hall, Rochester, N. Y.
Report of Treasurer—C. L. Yates, Rochester, N. Y.
Reports of Tariff, Transportation, Legislative, Entertainment, Publicity, Exhibits and Forestry Committees.
Report Nat'l Council Horticulture—Capt. C. L. Watrous, Des Moines, Ia.
"Publicity Campaigns on part of Nurserymen"—J. M. Irvine, St. Joseph, Mo.
"Varieties"—E. S. Osborne, Rochester, N. Y.
"Orchard Pests still unknown to the Colorado Fruit Grower"—Prof. G. P. Gillette, Ft. Collins, Colo.
"Co-operation between Nurserymen and Fruit Grower"—W. L. Howard, Sec'y Missouri State Board of Horticulture.
"Practical Experiment with Root Gall on Apple Trees"—Vice President E. A. Smith, Lake City, Minn.
"Transplanted Raspberries for the Retail Trade"—W. N. Scarff, New Carlisle, O.
"Should a Young Man choose the Nursery Business for a Vocation?"—A. Willis, Ottawa, Kans.
"Observations upon European Nursery Stock and their Plant Growing Methods," (illustrated by lantern slides)—Prof. John Craig, Ithaca, N. Y.
"The Part Nurserymen have taken in the Growth and Development of the Nation"—J. B. Morey, Dansville, N. Y.
"Herbaceous Plants"—C. S. Harrison, York, Neb.
"Magnifying our Craft"—E. W. Kirkpatrick, McKinney, Texas.
"A Study of the Nursery Lands of the United States"—W. H. Stark, Louisiana, Mo.
"The Commercial Side of the Nursery Business"—H. W. Marsball, Arlington, Nebr.
"Effects of Tree Planting in the Middle West"—Geo. H. Whiting, Yankton, S. Dak.
"Resultant Evils of Replace Policy"—J. W. Mayhew, Waxahachie, Texas.
"Crown Gall and its Effect on Orchard Trees"—Peter Youngers, Geneva, Nebr.
"Is the Organization known as the American Association of Nurserymen a benefit to the Nursery Business?"—E. M. Sherman, Charles City, Ia.
"Nurseryman's Peach Seed Supply"—C. C. Mayhew, Sherman, Texas.
"Soils and Fertilizers"—F. L. Rounsvel, Denver, Colo.

Retail florists are invited to send us items of trade interest for publication on this page; clear photographs of good designs will also be appreciated. These latter should always be packed carefully between boards.

Cost of Operating a Retail Store

A paper by Frank Danzer, read before the Detroit Florists Club, May 2, 1910

The subject, "Cost of Operating a Retail Store," assigned to me, is of such vast importance and must be considered from so many standpoints that I fear I may not be able to do it full justice without becoming tiresome.

My original intention was to bring before you statistics tabulated and arranged in such form that you could see at a glance where expenses eat up the profits without our knowledge, but the few reports which I received from local or out-of-town florists showed such a difference in the methods of bookkeeping that it was not possible to arrange them in a necessarily comprehensive style. Some of these reports clearly show an apprehension that it was required to divulge, so-called, business secrets, something entirely uncalled for, because this was a most important business matter, where knowledge of the most minute facts was required to bring about a clear understanding, and where the individual name of a firm which furnished such information and assistance to bring about this understanding was not wanted at all.

The capital investment of a retail store consists of:

I. **Store fixtures,** from the value of which at least 10 per cent must be deducted per year. In the case of a short term lease this deduction should be in such proportion that the fixture account is wiped out when the lease expires, because at a removal the fixtures are made obsolete.

II. **Livery outfit,** horse and vehicle or automobile, from which an annual depreciation of 20 per cent must be figured.

III. **Palms** and other plants for decorative purposes, the upkeep of which is accounted for in the merchandise account, because they always are to be kept at least 90 per cent standard and are as much a salable article on the day of closing a business as they are at the beginning.

IV. **Working capital,** money on hand when business is begun.

Next for consideration is the "Merchandise Account," which includes all merchandise purchased to do business with, or, better, the exchange of which into money brings about gain and loss, according to our—and I am sorry to say sometimes according to our competitor's—manner of management.

To create a clear understanding of the business year's results the merchandise account should be subdivided into sections as follows: Supplies, flowering plants; cut flowers; plants such as Palms, Ferns, etc., for sale.

Next is the most important account of all, because a careful scrutiny of it will enable us to detect those little items which in the course of a year are apt to eat enormous holes in our profits, the "expense account."

This account cannot be subdivided too much, and let nobody ever be deterred from a very thorough analysis of it by the word "red tape," because it is the only means for detecting the leaks in a business. The principal items of this account are:

1. Rent, to which must be added such proportion of cost of lease, if the same had to be bought, as will wipe out this item at its expiration. In cases where a store building has been erected for the sole purpose of conducting a retail flower store for a certain number of years, only the cost of such building must be charged to rent in its annual proportion.
2. Delivery, daily cost of maintenance of rigs or autos, wages for boys, carfares, extra wagon or auto hire during days of rush.
3. Mail for bills, correspondence, etc.
4. Telegrams and telephone messages.
5. Heat and light, which in some instances may by virtue of existing rent contract be included in rent item.
6. Flower boxes.
7. Wrapping material, string, paper.
8. Cost of renewal of decorative plants and interest on original investment.
9. Wages.
10. 6 per cent. interest on accounts outstanding.
11. Supplies.
12. Greenstuff.

This gives a fair idea of the subject before us for consideration, but before going any further we must divide the subject into three different parts, in view of the fact that the larger the amount of business annually done the more are the avenues of expenses to do the business. Let us, therefore, compute the expense account of: (1) doing an annual business of $10,000; (2) doing an annual business of $50,000; (3) doing an annual business of $100,000.

The man who transacts $10,000 worth of business per year deals with a class of customers who do not demand an extravagantly fitted up store; they do not require a fancy box for every purchase made; his location is not in an expensive district, and his fixtures are of a plain nature; and, best of all, his sales are very nearly all cash transactions.

Still, we know that on every dozen Carnations he sells, rent, heat, light, Fern leaves, etc., each have a share in it, making up his annual expense account which we might put approximately as:

Rent, $1200; delivery boy, $520; carfare, $78; mail, $52; Telegrams and 'phone, $150; heat and light, $300; Boxes, $100; wrapping material, $200; wages, 1 girl, $312; supplies, $200; Ferns and greens, $300; cut flowers, etc., $5000; a total of $8412.

Assuming the business to be done on a 100 per cent. basis he must expend $5000 for his merchandise. Averaging his expenses by the year they amount to $3412.00, or 68 per cent, leaving him a balance of $1588, or 32 per cent. as his wages.

A business of $50,000 per year belongs to a higher but, I fear, less profitable grade. The storekeeper must be in a more desirable location, his patrons demand more in the way of fixtures, their purchases must be done up in better form, a stock of decorative plants must be kept up, and many accounts must be carried. To sum up, his expenses we may justly approximate as:

Rent, $3000; delivery rig and upkeep, $900; two boys, $156; carfares, $120; extra for holidays, $100; mail, $120; advertising to satisfy lady patrons, $700; telegrams and 'phones, $250; heat and light, $500; boxes, $750; wrapping material, $500; wages, 3 girls, $936; wages extra for holidays, $50; 6 per cent on $5000 of

Table Decoration Composed of Oncidium Orchid s, Adiantum cuneatum and Farleyense Ferns and Lily of the Valley

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertisar in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — **ALBANY, N. Y.** — **11 North Pearl Street**

Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — **Leading Florist** — **AMSTERDAM, N. Y.** — **SCHENECTADY, N. Y.** — Estab. 1877

Atlanta Floral Co. — **ATLANTA, GEORGIA** — **41 Peachtree Street**

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** — **124 Tremont Street**

We cover all New England points. Retail orders placed with us receive careful attetion. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** — **24 Tremont Street**

Orders by wire receive prompt and careful execution. We can refer to leading florists in all principel cities. Established 1870.

Zinn the Florist — **BOSTON, MASS.** — **No. 1, Park St. No. 2 Beacon St.**

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Robt. G. Wilson — **BROOKLYN, N. Y.** — **Fulton St. and Greene Ave**

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — **BUFFALO, N. Y.** — **W. J. PALMER & SON. 304 Main St.**

Hauswirth — **CHICAGO, ILL.** — **The Auditorium Florist, 232 Michigan Ave.**

The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

JULIUS BAER, CINCINNATI, O. — **Fourth St.**

Frank F. Crum — **COLORADO SPRINGS, COLO.** — **Retail Florist**

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co — **CONNECTICUT** — **New Haven** — **1026 Chapel St., Opposite Yale College**

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. G. Matthews — **DAYTON, OHIO** — **Florist, 16 West Third Street**

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

accounts outstanding, $300; florist supplies, $1000; Ferns and greens, $1000, 6 per cent on $1500, decorative plants, $30; renewal of same, $750; 6 per cent. on $2500, of store fixtures, $150; 10 per cent. depreciation thereon, $250; annual cleaning, $250; cut flowers and plants, $25,000; making a total of $36,872, which taken from the annual business of $50,000 leaves a balance $13,128 of which there is outstanding $5000, making a clear balance of $8128.

These items, computed very carefully, show a cost of doing business of about 33%, while the net gain, considering the amount of money outstanding, gives a clear balance of only 16%, assuming all this time that every flower and plant bought has been resold at double the purchasing price.

The third case, doing a business of $100,000 per year, presents, again, a different picture in the expense account and the bill is still more complicated. The storekeeper's customers demand the very best of fixtures and display material, also prompt delivery of everything in clean and expensive boxes or baskets. The expenses in this case would approximate:

Rent, $4000; two delivery rigs, $1800; upkeep, $500; two boys, $156; car fares, $200; extra for holidays, $400; mail, $350; advertising for lady patrons' sake only, $1200; telegrams and 'phone, $500; heat and light, $1200; boxes, $7000; wrapping material, $1000; wages, three clerks, four girls, 1 bookkeeper, $5500; extra for holidays, $500; 6 per cent. on $10,000 accounts outstanding, $600; florist supplies, $3000; Ferns and greens, $5000; 6 per cent on $2500, decorative plants, $150; renewal of same, $1200; 6 per cent. on $30,000, store fixtures, $1800; 8 per cent depreciation and cleaning, $2400; cut flowers and plants, $50,000; a total of $79,356.

On the presumption of doubling up on everything this would mean a $100,000 annual business. Deducting therefrom the expenses, $79,356, leaves a balance of $20,644, or about 20 per cent., which less an amount of $10,000 outstanding, leaves a clear gain of $10,644, or about 10 per cent.

As intimated at the beginning, it is practically impossible to procure the actual figures of a detailed expense account, and while the man doing the "bon ton" business derives considerable from the hire of decorative plants, and consequently will not pay out $50,000, for cut flowers and plants to enable him to do $100,000 worth of business per year, it is a fact that the item of $7000 for boxes is too conservative by at least $1200. This item is very characteristic as compared with the item of wrapping material in the case of No. 2 and shows clearly the extravagant demand made by our bon ton customers.

Another offset for a possibly unaccounted for income from decorative plants is in the low estimate of mailing and advertising expenses. A well regulated business mails bills daily and monthly. In a business of that size this means at least 800 bills a month or $178 a year for mailing. Added to this, regular correspondence, special deliveries and so on easily double that item.

In the matter of advertising, I have purposely only taken cognizance of that part which is unavoidable, and refers to those apparently unlimited calls of societies for program advertisements.

The legitimate advertising, such as annual announcements in the Fall of the year in the form of little booklets, or similar matter, will easily reach an annual expenditure of $1000, so that the omission from income of plant hire is easily covered.

The item of $30,000 for store fixtures may appear large, but really it is conservative, because a first-class store must be built right in every detail. The cut flowers must be displayed in cut glass and other expensive material, most of which is not bought and transformed into cash, but is simply a fixture which in a few years becomes fit for the scrap pile only.

I trust that these enumerations have brought out points we all have been thinking about, and while I realize the inexhaustive nature of the subject, I hope I have made it clear enough that a retailer has no possible chance of existence or prosperity unless he at least doubles his price on everything he purchases.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Arabic	May 7	9.30 am.	W. 21st St., N.Y.	Liverpool
Philadelphia	" 7	10.00 am.	W. 23rd St., N.Y.	Southampton
Neckar	" 7	11.00 am.	3rd St., Hoboken	Naples-Genoa
Finland	" 7	11.00 am.	W. 18th St., N.Y.	Antwerp
Caledonia	" 7	3.00 pm.	W. 24th St., N.Y.	Glasgow
Luisiana	" 7		Bush Dks. Bklyn	Naples-Genoa
Themistocles	" 7		Bush Dks. Bklyn	Naples Piraeus Smyrna
Sicilian Prince	" 7		Pier 38, Bklyn	Rotterdam
Regina d' Italia	" 9	11.00 am.	Gr'nd St., Jer.Cy	Genoa
Ka. Wilhelm II.	" 10	10.00 am.	3rd St., Hoboken	Bremen
New Amst'rdam	" 10	10.00 am.	5th St., Hoboken	Rotterdam
Hamburg	" 10	11.00 am.	1st St., Hoboken	Gib-Nap-G'n'a
Oceania	" 10	12.00 m.	W 34th St., N.Y.	Naples-Genoa
Mauretan'a	" 11	9.00 am.	W. 14th St., N.Y.	Liverpool
Teutonic	" 11	9.30 am.	W. 21st St., N.Y.	Southampton
Pennsylvania	" 11	11 00 am.	1st St., Hoboken	Hamburg
La Savoie	" 12	10 00 am.	W. 15th St., N.Y.	Havre
Bremen	" 12	10.00 am.	3rd St., Hoboken	Bremen
United States	" 12	2.00 pm.	17th St. Hoboken	Copenhagen
Italia	" 12		Un St'res, Bklyn	Naples
Caronia	" 14	10.00 am.	W. 14th St., N Y	Liverpool
St. Louis	" 14	10.00 am.	W. 23rd St., N.Y.	Southampton
Minnewaska	" 14	10.30 am.	W. 16th St., N.Y.	London
Baltic	" 14	11 00 am.	W. 21st St., N.Y.	Liverpool
Vaderland	" 14	11.00 am.	W. 18th St., N.Y.	Antwerp
Koenig Albert	" 14	11 00 am.	3rd St., Hoboken	Gib-Nap-G'n'o
D'a D' Abhr'zzi	" 14	12 00 m.	W. 34th St., N.Y.	Naples-Genoa
California	" 14	12.00 m.	W. 24th St., N.Y.	Glasgow
Venezia	" 14		Pier 33, Bklyn	Naples
Caroline	" 14	3 00 pm.	W. 44th St., N.Y.	Havre
K'r W. d. Gr'sse	" 17	10 00 am.	3rd St., Hoboken	Bremen
Noordam	" 17	10.00 am.	5th St., Hoboken	Rotterdam
Virginia	" 17		Busb Dks. Bklyn	Naples-Genoa
Lusitania	" 18	9.00 am.	W. 14th St., N.Y.	Liverpool
Argentina	" 18	1.00 pm.	Bush Dks. Bklyn	Napls-Trieste
Oceanic	" 18	2.00 pm.	W. 21st St., N.Y.	Southampton
Graf Waldersee	" 18	2.00 pm.	1st St., Hoboken	Hamburg
La Provence	" 19	10 00 am.	W. 15th St., N Y.	Havre
Gr's'r Kurfuerst	" 19	10.00 am.	3rd St, Hoboken	Bremen
Carpathia	" 19	12.00 m.	W. 14th St., N.Y.	Napls-Trieste
Lombardia	" 19	12.00 m.	W 34th St., N.Y	Naples-Genoa
Minneapolis	" 21	9 30 am.	W. 16th St., N.Y.	London
Celtic	" 21	9 30 am.	W. 21st St., N.Y.	Liverpool
K A Victoria	" 21	10.00 am.	1st St., Hoboken	Hamburg
New York	" 21	10.00 am.	W. 23rd St., N.Y.	Southampton
Pr Fried W'lh'm	" 21	10 00 am.	3rd St, Hoboken	Bremen
Prinz Irene	" 21	11 00 am	3rd St., Hoboken	Naples-Genoa
Lapland	" 21	11.00 am.	W. 18th St., N.Y.	Antwerp
Furnesia	" 21	3.00 pm.	W. 24th St., N.Y.	Glasgow
From Boston				
Iveroia	M'y 10	10 00 am.	B&A Dks, E Bos	Liverpool
Parisian	" 13	10 00 am.	Mystic W'f Char	Glasgow
Romania	" 14	2.00 pm	B & M Dks. Char	Naples-Genoa
Philadelphian	" 20		B & M Dks, Char	London
Philadelphia				
Menominee	M'y 13	10.00 am.	55 So. Wharves	Antwerp
Haverford	" 14	10.00 am.	53 So. Wharves	Liverpool
Carthagenian	" 14		24 No. Wharves	Glasgow
Verona	" 17		80 So. Wharves	Naples-Genoa
San Francisco				
Asia	M'y 10	1.00 pm.	1st Street	Honolulu
Mongolia	" 24	1.00 pm.	1st Street	Japan
Tenyo Maru	" 31	1.00 pm.		China

The Park Floral Co. — **DENVER, COLORADO** — **1706 Broadwey**

J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

John Breitmeyer's Sons — **DETROIT, MICH.** — **Broadway and Grailot Ave.**

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co — **INDIANAPOLIS, IND.** — **241 Massachusetts Ave.**

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — **JACKSONVILLE, FLA.** — **20 Laura St.**

We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — **KANSAS CITY, MO.** — **1017 Broadway**

I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — **LOUISVILLE, KY.** — **644 Fourth Avenue**

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA** — **855 St. Catherine St., West**

We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Young & Nugent — **NEW YORK** — **42 West 28th Street**

We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** — **25 Clinton Avenue, North**

We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark, Florist — **SCRANTON, PA.** — **122 and 124 Washington Ave**

Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** — **20-22-24 West Fifth Street**

We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see pages 828, 829

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

ADDRESS A POSTAL TO

The Pine Tree Silk Mills Company

Philadelphia, Pa.
806-808-810 ARCH STREET

For Samples of Ribbons and Chiffons

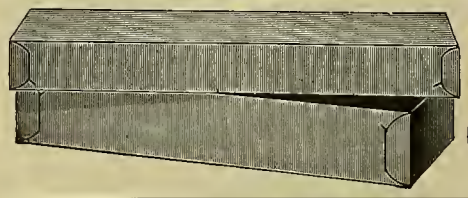
If you want the richest toned values made for your money—If you want to satisfy your customers—If you want to save worry over the ribbon question—

Better nor richer toned ribbons are not made at equal prices—Samples will prove.

The Pine Tree Label is found only on the best qualities, at lowest prices.

Please mention the Exchange when writing.

CUT FLOWER AND DESIGN BOXES



All Sizes, Lowest Price

WRITE

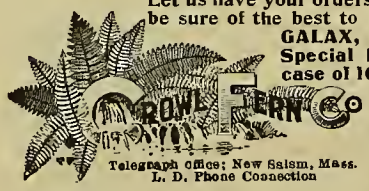
C. C. Pollworth Co.

MILWAUKEE

Please mention the Exchange when writing.

New Crop Ferns Now Ready Only $1.50 per 1000

Let us have your orders now for Memorial Day, and you will be sure of the best to be had and at rock bottom prices.



Telegraph office; New Salem, Mass.
L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. **Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS,** 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $12.00 to $15.00 per 100 lbs.

ARBUTUS FLOWERS now in full bloom; send for a sample bunch or more. Large bunches only 15 cents; quick sellers.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK

WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Roplings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

New Crop Dagger and Fancy Ferns, $2.00 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, BOSTON, MASS.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Prices Advertised in these Columns are for THE TRADE ONLY

SOUTHERN WILD SMILAX FERNS FULLD GUARANTEEY

LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

Please mention the Exchange when writing.

Florists' Club of Washington, D. C.

Annual Banquet.

The annual banquet of the Florists' Club of Washington was held on the evening of May 3, at Rauscher's, and as the evening was fine there was a large attendance. The banquet is usually held in April, but owing to the Easter rush the committee in charge of arrangements lacked time in which to perfect their plans.

The spacious hall was most tastefully and attractively decorated with vases of American Beauty Roses, while the tables were spread with Killarney Roses, sprays of Ferns, pink candelabra, and, at intervals, large vases of Killarney Roses with Maidenhair Ferns. The center of the room was occupied by a magnificent collection of Palms and Ferns, each plant a specimen. In the center of this group was a pyramid of American Beauty Roses, topped by a fine Kentia Palm. On the whole, this was one of the prettiest decorations set before the Club upon such an occasion. In the balcony, screened from view by large Palms, an orchestra played popular and patriotic music.

John Robertson, the newly elected president, welcomed the large attendance in his usual cordial manner and at the close of his remarks introduced Wm. F. Gude as toastmaster for the evening.

Mr. Gude, as usual, was equal to the occasion and addressed the banqueters in his most fluent manner welcoming them each and all and explaining that the banquet was to be strictly an informal affair, and he expected all to join in having a good time. He then introduced a lady vocalist who sang "Beautiful Garden of Roses" in an entrancing manner and was encored.

The dinner began at 8.35, and throughout the various courses the guests were entertained by special solos by the orchestra, the chief of which was a trombone solo "Holy City," which captivated all. Among those present were many from out of town who came especially for the occasion.

At the conclusion of the repast cigars tied with dainty pink ribbons were handed to each gentleman while each lady pinned on a Killarney Rose taken from the table. Miss Siebling, the soloist, was recalled by special request, and rendered a beautiful classical selection, and was again encored. After responding Sec. Oehmler presented her with a large bunch of American Beauty Roses. Toastmaster Gude then paid tribute to Hon. H. B. F. MacFarland, former commissioner of the District of Columbia, who entertained all with humorous remarks and allusions, and nursery rhymes adapted to the florist business. He spoke on the civic and public improvement spirit of Washington and urged participation by the florists in efforts to obtain proper quarters for large conventions. Next he paid personal tribute to the florists, saying no body of men contributed more largely to the welfare of the sick by contributions of flowers and money.

Upon concluding Mr. McFarland was handed a silver cup to be presented by him to Wm. F. Gude in behalf of the Club. The presentation being made Mr. Gude expressed his surprise and pleasure at the gift and said he always tried each day to do something for his fellow man and the cup would be cherished as long as he lived.

C. H. Rudolph, one of the board of commissioners of the District of Columbia then delivered a short address paying a tribute to Mr. Gude, on the lines of the inscription on the cup which was "In token of the appreciation of services rendered the Washington Florists' Club." Mr. Rudolph told amusing anecdotes which were loudly applauded.

O. A. C. Oehmler, secretary of the Club, was then called to his feet, and a half dozen silver knives and forks were presented him by the Club.

Hon. Harrison Dingman next took the floor. He congratulated the Club on its progress, and on being a factor in all important events. He called upon Fred H. Kramer and complimented him on the successful manner in which he had for two years filled the office of president of the Club, his love for the Club and local florists; concluding, he in behalf of the Club presented Mr. Kramer with a large silver loving cup bearing

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside
All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.25	28x8x4	$4.60
18x6x3	2.25	30x6x3½	3.75
24x5x3½	2.00	36x6x6	6.60
21x7x3½	3.25		

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.60
18x18x8	9.00	36x10x6	10.00
20x20x8	10.00	30x12x7	8.50
24x24x8	12.00	28x12x4	6.60
24x18x8, Pillow Box			12.00
20x15x8, Pillow Box			10.00

10 per cent. discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.
Box 205 CASTORLAND, N. Y.
New York Office, 20 East 42nd Street

Please mention the Exchange when writing.

WIRED TOOTHPICKS

10,000, $1.75; 50,000, $7.50

Manufactured by

W. J. COWEE, Berlin, N. Y.

Samples free. For sale by dealers

Please mention the Exchange when writing.

New Crop Ferns

FANCY and DAGGER

Now ready for shipment.

Price, $1.25 per 1000

CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA

Please mention the Exchange when writing.

TIME IS MONEY Save half the time greening your designs by using Florist Greening Pins. 20c. per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 16c. per lb. Write for prices on larger quantities.

WM. J. SCHLATTER & SON, 422 Main Street SPRINGFIELD, MASS

Please mention the Exchange when writing.

MICHIGAN CUTFLOWER EXCHANGE, Inc.

Wholesale Commission Florists

Dealers in Fancy Ferns

38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire

IGOE BROTHERS

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes

63-71 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

KRICK'S Florist Novelties

Manufacturer and Patentee of

The only genuine IMMORTELLE LETTER on the market

For sale by all Supply Houses.

CHAS. AUG. KRICK

1164-66 Greene Avenue, BROOKLYN, N. Y.

Please mention the Exchange when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the Exchange when writing.

WE MANUFACTURE
ICE BOXES The Latest Improved
Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.
Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK
'Phone 4254 Madison Square
Please mention the Exchange when writing.

Florists' Refrigerators
Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.
McCRAY REFRIGERATOR COMPANY
962 Mill Street, KENDALLVILLE, IND.
Please mention the Exchange when writing.

E. A. BEAVEN
EVERGREEN, ALA.
LOG MOSSES
Natural and perpetuated. Orders booked now for future delivery.
Please mention the Exchange when writing.

a suitable inscription. Mr. Kramer in acknowledging the gift referred to the past, when he and the toastmaster had worked shoulder to shoulder together for a nominal consideration.

The toastmaster then paid a tribute to Col. Robt. N. Harper, former president of the Washington Chamber of Commerce. Col. Harper paid tribute to the men "who only allowed Roses to bloom when they brought the most money," and who were men who had done more for the success of the city than any other class of men. The Colonel then, in behalf of the Club, presented Geo. H. Cooke with a silver cup; amid great applause. Mr. Cooke responded in feeling but humorous manner.

Fred. B. Owen was next introduced as the man who had done much to beautify Washington's unsightly places, and absolutely without compensation. Mr. Owen responded with a few appropriate remarks making known his enthusiasm in the work.

Mr. Gude then paid tribute to the ladies present and introduced Mrs. Leissler as "one in the business." Mrs. Leissler pleasantly responded. The toast "The Ladies" was next received with applause.

Peter Bisset was loudly applauded when introduced as one who had "just returned from the Pacific Coast," and he made suitable response.

Mr. Woodhead, a local florist, was next called upon for a Scotch song. It will be remembered that upon many previous occasions Mr. Woodhead and his charming wife have favored the florists with their talent, always greatly appreciated.

Adolphus Gude and Frank Siebling also made short addresses and the evening closed with another vocal solo by Mr. Woodhead. JAS. L. CARBERY.

Tuxedo (N. Y.) Hort. Society

A regular monthly meeting of this Society was held in the Parish House, Tuesday, May 3, President Murray in the chair. There was a good attendance of members. The date of the Rose show was changed from June 24-25, to June 18, because indications point to Roses being about their best nearer the latter date than the former. The Executive Committee reported a schedule for the Chrysanthemum show in the Fall, but there was so much on hand in connection with the June show that consideration of the Chrysanthemum schedule had to be deferred.

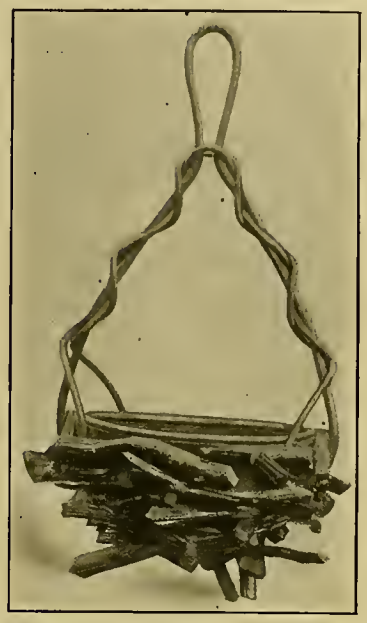
Mr. Fred Bently was appointed manager of the June exhibition. Judges were appointed and the secretary requested to ascertain if the gentlemen named could act and if not there were others to be asked.

It looks now as if the June show would be a good one. The members are taking a lively interest in it and all are anxious that a good display should be made as much for the good of the Society as for individual members.

D. McINTOSH, Secretary.

GROW MUSHROOMS
If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.
THE FLORISTS' EXCHANGE
2 to 8 DUANE ST., NEW YORK

RUSTIC WORK



Rustic Hanging Baskets

Sizes	Per dozen	Sizes	Per dozen
8 inch.....	$7.00	12 inch.....	$13.00
9 inch.....	8 75	13 inch.....	17.00
10 inch.....	9.75	14 inch.....	18 00
11 inch.....	11.35	15 inch.....	21.00

RUSTIC CHAIRS, SETTEES, WINDOW BOXES, WHEELBARROWS, TABLES, PEDESTALS, VASES, TUBS, SUMMER HOUSES, in Cedar, Laurel, Birch and Bamboo.

All Kinds of Rustic Work Built on Contract
Estimates furnished

Importers of Cork and Birch Bark

REED & KELLER
Importers and Dealers in Florists' Supplies
122 West 25th Street NEW YORK

Please mention the Exchange when writing.

THE third edition of our Design Book is now ready to be mailed out to purchasers. It has been thoroughly revised and greatly improved and is easily worth Ten Dollars a copy to anyone with a Retail Trade. Sixteen pages have been added, older designs eliminated and many new and beautiful suggestions incorporated.

THE FLORISTS' EXCHANGE DESIGN BOOK

Handsomely printed on enameled stock, and containing 80 pages, size 9x12 inches, with strong paper cover.

The work contains a reproduction of some 216 Designs, such as:

Bridal Bouquets
Broken Columns
Christmas Wreaths and Baskets
Easter Baskets and other Easter Designs
Casket Covers
Gates Ajar
Floral Chairs
Harps
Horseshoes
Lyres
Pillows
Easels
Panels
Anchors
Wreaths in great assortment
Standing Wreaths
Standing Crosses

Miscellaneous Designs in quantity, including Decorated Automobiles, Railway Designs, Flags, Ships and Steamers, Shields, Broken Wheels, &c., Emblems, Table, Mantel and Mirror Decorations and Christmas and Church Decorations.

Page 80 shows forms for Masonic, Fraternal and other Orders, for which wire designs are kept in stock by the supply houses.

TERMS OF SALE—The Florists' Exchange for two years and one copy Design Book, $2.50, delivery prepaid. This offer is open to new subscribers or to subscribers renewing. One copy of the Design Book to present subscribers for 75c., delivery prepaid. No copies obtainable except as above. Money refunded if book is not satisfactory to purchaser.

Only one copy can be supplied at the 75c. rate. Subscribers desiring more than the one copy can secure them at the rate of $1.00 each, postage prepaid.

Handsomely and durably bound, in stiff board covers, with 32 blank leaves for pasting in clippings of other designs, at One Dollar additional to above prices.

All prices include delivery prepaid.

Address: THE FLORISTS' EXCHANGE, P. O. Box 1697 NEW YORK CITY

Japanese Holder and Candlestick. White Pefection Carnations and Ferns.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 16 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—As Rose grower or general florist; good references. Address, "Permanent," 124 Columbia Heights, Brooklyn, N. Y.

SITUATION WANTED—By single man; first-class grower of Roses and Carnations. Address, "Florist," 360 West 15th st., New York City.

SITUATION WANTED—By young man as assistant on private or commercial place; general experience in greenhouse work. Address, N. C., care The Florists' Exchange.

SITUATION WANTED—By Hollander, 22, of good education, in seedstore or greenhouse place with opportunities for advancement. Address, N. F., care The Florists' Exchange.

SITUATION WANTED—By gardener and florist, single, 29, sober, honest; private place preferred; good references. Address Joe Sudanel, 45 Richmond St., Rochester, N. Y.

SITUATION WANTED—By young man, German florist; private place preferred; understands all greenhouse work and is a willing worker. Akerman, 406 E. 5th st., N. Y. City.

SITUATION WANTED—By expert gardener, many years' experience in England and America. Can fill any position. Very best of references. Capt. Bratherton, 326 West 34th st., New York.

SITUATION WANTED—By working foreman to take charge of commercial or private place; long experience in growing good stock; first-class references. Address, N. B., care The Florists' Exchange.

SITUATION WANTED—By good all-around man, German, single, 36; good grower of Violets, Carnations, Roses and all potted plants; please state wages. Address, Charles Friedman, Box 93, Watertown, Conn.

SITUATION WANTED—By a gardener and florist, 24 years of age, steady, as assistant on a gentleman's place in the country; Orange County neighborhood preferred. Advertiser is a total abstainer from liquors and can furnish best of references. Address, Arthur Swenson, Box 106, Cornwall, N. Y.

SITUATION WANTED—By French gardener and florist, 43, single; small private place preferred. Good references. Wages expected, $35.00, with board and room. Life experience as an all-around man. Address, W. Kamper, 111 Mead ave., Portchester, N. Y.

SITUATION WANTED—By a thoroughly experienced florist and gardener, middle aged Scotchman, on private or commercial place; advertiser understands how to grow flowers, fruits and vegetables. Please state full particulars. Address, M. H., care The Florists' Exchange.

SITUATION WANTED—By gardener and florist, 32, single, on commercial or private place; advertiser is thoroughly acquainted with the growing of Roses, Carnations, Chrysanthemums and bedding plants. Please state wages and full particulars in first letter. Address, N. H., care The Florists' Exchange.

SITUATION WANTED—By a first-class gardener and florist, German-American, 30 years of age, married, one child; on last place 7 years; thoroughly acquainted with Carnations, Chrysanthemums and bedding plants. Best of references can be furnished. Address, N. A., care The Florists' Exchange.

SUPERINTENDENT OR MANAGER

With over 20 years' practical experience as Nurseryman, Private Gardener, Florist, Landscape Architect and Forester. At present manager for a leading Landscape Architect and Forester. Would accept position on private or commercial place. Good grower, Designer of Cemeteries, Parks, Private Grounds, etc. Box 97, Jersey City, N. J.

Use our columns when needing a situation.

SITUATIONS WANTED

SITUATION WANTED—By young married florist, 28 years of age, one child, on a good private or commercial place; can take charge or will work as assistant; 7 years on present place; will be disengaged June 1; understands thoroughly the growing of all cut flowers, Orchids, stove plants, bedding plants, vegetables, shrubs, etc. References. Address, stating particulars and wages, Louis Kratz, Box 184, West Sayville, L. I., N. Y.

SITUATION WANTED—By a strictly competent and sober American florist who would like to change present position. Advertiser is thoroughly experienced in the wholesale cut flower business and would not consider a place with less than 30,000 square feet of glass. My stock at present position is my reference which I would be pleased to have my future employer inspect. Address, M. E., care The Florists' Exchange.

HELP WANTED

WANTED—2 gardeners for outside planting and potting. Apply to Krombach, 187 25th st. cor. 4th ave., Brooklyn, N. Y.

WANTED—Competent man for collection of hothouse fruits and plants. Apply with testimonials to N. I., care The Florists' Exchange.

WANTED—A strictly sober man for general greenhouse work with good reference. S. H. Powell, 11 and 13 Crescent st., Brooklyn, N. Y.

HELP WANTED—An experienced man for Carnations, Chrysanthemums and general plant line. Permanent position for good grower. Address Peirce Bros., Waltham, Mass.

WANTED—Two assistants in Rose and Carnation houses; apply at once with references to
THE JOHN YOUNG CO.,
Bedford Station, N. Y.

WANTED—An assistant in Rose and Carnation Houses. Wages $60.00 per month. Apply with references and full particulars to K. H., care The Florists' Exchange.

WANTED AT ONCE—Married man as Rose and Carnation grower, to work under a foreman; salary $60.00 a month, with house-rent free. Address, Idle Hour Nurseries, Macon, Ga.

WANTED—Young man in growing shipping place with chance to share in business in future. Must be good propagator, careful and conscientious worker and not be afraid to tackle any job. J. L. Schiller, Toledo, Ohio.

WANTED.

A young man of neat appearance for general greenhouse work, who is also capable of making up designs, etc. State wages expected and send references. Address, N. D., care The Florists' Exchange.

WANTED—Thoroughly experienced man to take charge of plant department. Must understand growing of pot plants for Christmas, Easter and Memorial Day. Apply with references. Married man preferred. Address, N. E., care The Florists' Exchange.

WANTED—First-class experienced nurseryman, one who is thoroughly posted on Trees, Shrubs, and Perennials, and understands propagating; must be capable of handling men and filling orders. We have a good position open for a reliable steady man. Furnish references. Address, The Livingston Seed Co., Columbus, Ohio.

STOCK FOR SALE

BULBS

GLADIOLI—200,000 fine Gladioli bulbs. Augusta, Brenchleyensis, Mme. Lemoine, Shakespeare. Write for our special prices. George Peters & Sons, Hempstead, N. Y.

DAHLIA ROOTS, undivided field-grown clumps, Kreimhilde, Nymphia, Lyndhurst and Catherine Duer. Send for special price list. Wood & Healey, Hammonton, N. J.

CHRYSANTHEMUMS

CHRYSANTHEMUMS.

Rooted cuttings, Yellow Bonnaffon, Dr. Enguehard, Polly Rose, Glory of the Pacific, $1.00 per 100; strong cuttings from cold frames. Park Floral Co., Trenton, N. J.

CHRYSANTHEMUMS.

Golden Glow, Col. D. Appleton, Crocus, Major Bonnaffon, Mlle. J. Nonin, Rooted Cuttings, $2.00 per 100, $15.00 per 1000. Plants, $3.00 per 100, $25.00 per 1000.

Ivory, Monrovia, October Frost, Pacific Supreme, Roserie, Rooted Cuttings, $2.50 per 100, $20.00 per 1000. Plants, $3.00 per 100, $25.00 per 1000.

Golden Eagle, Pres. Roosevelt, Rooted Cuttings, $3.00 per 100, $25.00 per 1000. Plants, $4.00 per 100, $30.00 per 1000.

NEW 1909.

Indiana, Mrs. W. E. Kelley. Rooted Cuttings, $5.00 per 100, $40.00 per 1000. Plants, $6.00 per 100, $50.00 per 1000.

Gloria. Rooted Cuttings, $3.00 per 100, $25.00 per 1000. Plants, $4.00 per 100, $30.00 per 1000.

25 at hundred rate, 250 at thousand rate. For complete description, see catalog.
Elmer D. Smith & Co., Adrian, Mich.

Continued to next column

STOCK FOR SALE

CHRYSANTHEMUMS

CHRYSANTHEMUMS, transplanted cuttings, Estelle, Pacific, Oct. Frost, Touset, Halliday, Whilldin, Bonnaffon, Maud Dean and other varieties, $1.25 per 100, $12.00 per 1000. Baylis & Sons, West Grove, Pa.

GLORIA, a large early Enchantress Pink 'Mum; Pres. Taft, a huge glittering White Midseason, both have stems and foliage unsurpassed; R. C. prepaid, Taft, $1.00 per 25, $3.75 per 100, Gloria, $2.50 per 100, 2½-in., $3.50 per 100. Chas. Frost, Kenilworth, N. J.

GERANIUMS

10,000 GOOD STRONG GERANIUMS. In 3½ and 4-in. pots, mostly Nutt, all out in bloom, $6.00 per hundred. Johnson & Garland, Nazareth, Pa.

S. A. NUTT Geraniums, 4-in. pots, $8.00 per 100.
Mrs. E. G. Hill, 4-in. pots, $8.00 per 100.
John Doyle, 4-in. pots, $8.00 per 100.
Salvia, 2½-in. pots, $3.50 per 100.
Verbenas, 2½-in. pots, $3.50 per 100.
10 per cent. discount for all orders before May 15. All above plants are in bud or bloom; fine and healthy stock. A. Laub & Son, Hughsonville, N. Y.

NURSERY STOCK

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA

The true large flowering forcing variety, warranted true 2¼-inch pots at $3.00 per hundred, one year field grown strong 12 to 18 inches, $6.00 per hundred, $55.00 per thousand. New Trade List ready. Write for it today. The Good & Reese Co., the largest Rose growers in the world, Springfield, Ohio.

ROSES

GRAFTED ROSE STOCK.
Killarney, White Killarney, Brides, Bridesmaids and My Maryland, 2½-in. stock, $16.00 per 100, $125.00 per 1000. C. H. Totty, Madison, N. J.

ROSES, STRONG, CLEAN STOCK

Own root, all 3½-in. pots: Bride, Bridesmaid, Chatenay, Golden Gate, Pink Killarney and Kaiserin, $6.00 per 100; Grafted Pink Killarney, $12.00 per 100. P. R. Quinlan, Syracuse, N. Y.

SALVIAS

STOCK FOR SALE—6000 Salvia Bonfire, 2½-in. pots, $2.50 per 100. Joseph Wood, Spring Valley, N. Y.

SALVIA—Splendens and Bonfire, transplanted seedlings, 75c. per 100. Lemon Verbena, Stevia and Feverfew, rooted cuttings, prepaid, 75c. per 100. Pansy plants from Fall sown seed, prepaid, 60c. per 100; 1000, by express, $3.00. Chas. Frost, Kenilworth, N. J.

VEGETABLE PLANTS

MILLIONS of early and late vegetable plants for sale. All kinds and varieties, transplanted or not; write for prices. See our display advertisement in this issue of pot plants. Alonzo J. Bryan, Washington, N. J.

NOW READY TO SHIP—A very large stock of Early Cabbage, Tomato, Beet and Sweet Potato Plants, at $1.25 per 1000. Extra plants to help pay express charges. S. J. McMichael, P. O. Box 473, 142 Larkins st., Findlay, O.

MISCELLANEOUS

CHOICE Pansy plants, Fall transplanted, $1.00 per 100, $8.00 per 1000. Cash. W. C. Myers & Sons, Scottdale, Pa.

STOCK FOR SALE—Bouvardias, white and pink, 2000 strong plants, 2½ in. pots, $4.00 per 100. Order early. Batz Bros., New Castle, Pa.

STOCK FOR SALE—40,000 Verbena plants in bud and bloom, $20.00 per 1000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

CYCLAMEN, finest large flowering strain, from 2-in. pots 4c. Snow Queen, extra large, wavy and fringed pure white, 6c. J. L. Schiller, Toledo, Ohio.

SMILAX

for June or July delivery, $12.50 per thousand; fine plants. Geraniums and Salvias all sold. P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

AMPELOPSIS VEITCHII, strong, well rooted, one year plants, 18 to 24 inches; 60, by mail, $2.00; 100, $3.00; 1000, $20.00; by express. Address, Chas. Black, Hightstown, N. J.

STOCK FOR SALE—Extra fine English Ivy out of 4-in. pots, $12.00 to $15.00 per 100. Variegated Vincas, 2½-in., strong, $3.50 per 100. Hermann Bowman, 92 R. R. ave., White Plains, N. Y.

10,000 TRANSPLANTED ASTER PLANTS—Queen of the Market, all colors; Giant Comet, all colors; Vick's Late Branching, Vick's Early Branching, all colors; Vick's Upright, white and rose; Daybreak; Royal Purple; Crego's Pink; Ostrich Plume; any of the above at 40c. per 100, $3.50 per 1000; also Glen Mary and Dunlap Strawberry Plants, $3.00 per 1000. L. Mitchell, Jr., Pulaski, N. Y.

Continued to next column

STOCK FOR SALE

MISCELLANEOUS

STOCK FOR SALE—Double Lobelia, 2-in., $2.00 per 100. Rooted Cuttings, Double Lobelia, Salvia, Zurich, German Ivy, Ageratums, Gurney and Cuphea, 75c. per 100. Cash with order. F. A. Ezold, Haddam, Conn.

COLEUS—Verschaffeltii and Golden Bedder, 65c. per 100, $5.00 per 1000.

Cannas, started on light benches in soil; Bouvier, Henderson, Queen Charlotte, Egandale, Souv. d'Ant. Crozy, $2.00 per 100, $18.00 per 1000. Cash please.
J. Ambacher, West End, N. J.

STOCK FOR SALE—20,000 Vinca Minor (Myrtle blue fl.) 1 year old strong field-grown clumps, $7.00 per 100. 4000 Dracaena Indivisa, extra fine, 4-in., 10c.; 5-in., 20c.; 6-in., 35c.; 7-in., 45c.; 8-in., 60c.; 9-in., $1.00 each.
Cash please. Frank Boehme, Wachung ave., Bloomfield, N. J.

BEGONIA Lorraine and Agatha—2½-in., twice transplanted, $12.00 per 100; in 600 lots, $60.00 per 500.
Box Trees, all sizes. Ask for special list.
Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. Y.

HARDY PLANTS AND TRANSPLANTED SEEDLINGS.

Very strong and healthy; grown on poor sandy soil, sold at low prices.

Hardy Phlox, $1.00 per 100 and $8.00 per 1000.

Lonicera, capripolium (Honeysuckle), $1.00 per 100.

Rudbeckia, Golden Glow, $1.00 per 100 and $8.00 per 1000.

Coreopsis lanceolata, $1.00 per 100 and $8.00 per 1000.

Creeping Charlie, $1.00 per 100 and $8.00 per 1000.

New Lots Floral & Nursery Co., Inc., Fairfield and Alabama aves., Brooklyn, N. Y.

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in Plants, Bulbs or Nursery Stock.

FOR SALE OR RENT

FOR SALE—4 greenhouses 10,000 feet of glass; all stocked, over ½ acre of ground, 6-room cottage. Address, Mrs. Geo. A. Relyea, Orchard place, Poughkeepsie, N. Y.

FOR RENT—Farm, suitable to florist, 3½ acres, 5-room house, within 1200 feet of Long Island Railroad station, rent $20.00 per month, 3 to 5 years' lease, immediate possession. Box 35, Douglaston, Long Island.

FOR SALE—Greenhouse property of 10,000 ft. of glass, A 1 condition. Steam heating, electric light; the same is stocked with Roses, Carnations and bedding plants. The reason for selling: I have two establishments and must dispose of one. Inquire of W. D. Snell, Herkimer, N. Y.

FOR SALE—In East Williamsburg, L. I., 2-family dwelling with stable and 4 greenhouses with 6000 sq. ft. of glass; 6 lots, 25x100 ft., and piece of land to hire in rear of property. Place in good condition; convenient to all cars and trains. Estate of Andrew Groll deceased. Inquire of Jacob Amann, Florist, 1702 Metropolitan ave., Middle Village, L. I., at Lutheran Cemetery.

SUNDRIES FOR SALE

FOR SALE—Best brands greenhouse glass, all sizes at special low prices. Small or large lots. C. S. Weber & Co., 10 Desbrosses st., New York City.

FOR SALE—No. 4 Scollay portable hot water boiler 700 sq. ft. capacity or 1160 lineal ft. of 2-in. wrought iron pipe, in good condition, f.o.b. Brooklyn. Price $48.00. R. C. Vernes, 176 Senator st., Brooklyn, N. Y.

FOR SALE—At a bargain, a steel galvanized-iron Wind-Mill Tower. 76 ft. high; tank capacity, 6,000 gallons. Also a 2½ hp. Mertz & Weisse kerosene engine. Everything in perfect condition. Address, Lucas V. Beau, Larchmont, N. Y.

FOR SALE—Second hand Gorton Hot Water Boiler, capacity 2400 sq. ft. or 4000 lineal ft. 2-in. wrought iron pipe, in good condition, price f.o.b. Brooklyn, $68.00. Can be used for steam. R. C. Vernes, 176 Senator st., Brooklyn, N. Y.

FLORISTS' WAGONS FOR SALE.
One closed wagon $125.00
One open wagon 75.00
Both in the very best of condition. Write for particulars to S. S. Pennock-Meehan Co., 1608 Ludlow St., Philadelphia, Pa.

FOR SALE CHEAP.

Complete modern greenhouse, 22x80, with propagating house, 6x80, attached to same, 16x24 glass; Hitchings all iron construction, must be removed at once; also 10,000 feet 4-in. Hitchings pipe, 2 No. 17 Hitchings boilers, 1000 feet Vent. Apparatus, 300 boxes 10x14 double thick glass. Suessermann, 229 Livingston st., Newark, N. J.

FOR SALE—Iron frame greenhouse, 20x106 ft., uptodate; 16x24 glass; cast pipe; 6 section Pearson boiler. This house has been built 6 years; also large Palm house 34x25 ft., iron frame, 16x24 glass, in excellent condition; slate benches; modern equipment. To be removed from ground W. 140th st., near Riverside Drive, New York. Inquire M. Tomback & Co., 24 Aron place, Newark, N. J.

FOR SALE

AUTOMOBILE Model F Cadillac, baby touring, guaranteed, with almost new quick-detachable tires, finest thing for business or pleasure, price $200.00.

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 60 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 160 lbs. pressure, 9c. 6 ply guaranteed 260 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 86c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.66. Glazed with 10 x 12 double thick glass at $1.86. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.36.

PANSY AND FLOWER BOXES All sizes. Send for prices.

CARNATION SUPPORTS About 10,000 at $4.00 per 1000.

GLASS New American natural gas made glass, packed 60 sq. ft. to the box, 8x10, 10x12 and 10x16 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

ROSES FROM 2½-INCH POTS

Fine, Clean, Strong, Well-Rooted Stock

	100	1000		100	1000
Chatenay	$3.00	$25.00	American Beauty	$6.00	$50.00
Bridesmaid	3.00	25.00	Richmond	3.00	25.00
Uncle John	4.00	35.00	Brides	3 00	25.00
Ivory	4.00	35.00			

BENCH PLANTS

	100	1000		100	1000
Beauties	$6.00	$50.00	Sunrise	$4.00	$30.00
Richmonds	4.00	30.00	Brides	4.00	30.00
Perles	4.00	30.00	Bridesmaid	4.00	30.00

PETER REINBERG, 35 Randolph Street CHICAGO

Please mention the Exchange when writing.

DELPHINIUM BELLADONNA

Everblooming Hardy Larkspur, 2-in. pots, $3.60 per 100, $30.00 per 1000.

DIANTHUS Latifolius atroc. fl. pl. Everblooming, 2-in. pots, $2.00 per 100.

MYOSOTIS Palustris Semperflorens, fl. pl., 2-in. pots, $2.00 per 100.

SHASTA DAISIES, 2-in. pots, $2.00 per 100.

SCABIOSA Japonica, 2-in. pots, $2.00 per 100.

SALVIA Patens, 2½-in. pots, $3.00 per 100.

Six trial plants 25 cents.

Cash with order, please.

A. HIRSCHLEBER, Florist Riverside, N. J.

Please mention the Exchange when writing.

CARNATIONS

From pots, strong, healthy plants, $3.60 per 100; including Enchantress, K. P. Enchantress, Lady Bountiful, Pres. Seelye, Beacon, Pink Imperial, Harlowarden, Mrs. Patten, Variegated Lawson and Winsor.

BLACK BEAUTY EGG PLANTS from pots, $3.00 per 100; ASPARAGUS Sprengeri, 3-in. pots, $5.00 per 100; VINCA Variegata, 2-in. pots, $5.00 per 100. Cash with order.

S. G. BENJAMIN . . FISHKILL, N. Y.

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

We Pay The Freight on cut-flower and design boxes. See our price list on page 828, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.

Box 200 . . . Castorland, N.Y.

Question Box

(114) **Plants for Lettering Carpet Bed.**—A. G. G., Mass.

—Since you have only Sweet Alyssum for back ground and Lobelia and Ageratum for lettering, use the Alyssum (the dwarf variety), for background, and the Lobelia for the letters. Mark the bed for the letters and set the Lobelia, then fill in with the dwarf Alyssum.

(115) **Winter Flowering Forget-me-not.**—E. M., L. I.

—Myosotis robusta grandiflora and Royal Blue are much grown for cutting, and Victoria both for pot plants and cutting. Sow the seeds in June in shaded frames and transplant when large enough. Myosotis requires a low temperature.

(116) **Leaf for Identification.**—J. H. D., Mass.

—The leaf sent is that of the Medinilla magnifica. A photograph of a plant in bloom may be seen in The Florists' Exchange of May 22, 1909.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Minneapolis Fall Flower Show

In preparing for the elaborate flower show of the Minnesota State Florists' Association, to be given in the Minneapolis Armory, Nov. 10 to 16 next, a twin city committee has been organized as follows: Wallace G. Nye, chairman; Theodore Wirth, superintendent of parks; L. S. Donaldson, J. S. Mitchell, O. C. Swanson and Hugh Will, all of Minneapolis; August S. Swanson, O. J. Olson and L. L. May of St. Paul.

The committee approved a premium list as submitted, and will circulate it among florists. These lists are now in the hands of the secretary, J. P. Jorgenson, 3501 Portland ave. The premium list shows a great variety of prizes for plants and flowers, made possible by a guaranty fund of $15,000 already raised through contributions from the public affairs committee of the Commercial Club, the Lakewood Cemetery Association, Theodore Wirth, and seventeen florists in the twin cities.

Plant Diseases Caused by Bacteria

Investigations as to the number of disease-causing bacteria floating in the air have been recently made in Denmark, according to the Handelsgaertner. It is a well-known fact that the air, especially that of cities, contains a greater or less percentage of bacteria to which may be ascribed diseases, both of men and animals, as well as of plants, that often seem mysterious in their origin. It has also been found that these bacteria are more or less a contributory cause of the failure of seeded crops and the poor growth of cuttings of various particularly sensitive plants. The sowings of Orchids especially are subject to the noxious influences of bacteria, since the soil in which they are planted becomes very easily infected by fungi, which make the healthy growth of the young plants impossible. For these experiments special bowls, alike in size, were used, filled with a thin layer of gelatine and exposed to the air for a certain time, in different places. Thus a number of bacteria which cause plant diseases were discovered. Very curiously the number of bacteria found in rooms was much less than those found in the open air, and bowls exposed on large surfaces of water showed absolutely no bacteria. The number of the bacteria depends, of course, on the time of the year, but some were discovered even in the Winter.

ALBION, N. Y.—H. M. Whiting, who represents himself as a member of the Whiting Nursery Co. and claims the headquarters of his company are in Geneva, N. Y., was arrested here on Saturday, April 23, on a warrant charging violation of section 924 of the penal code, which makes it a misdemeanor for a person to represent himself as a company unless he has a partner or has had one, and upon the expiration of the partnership has filed a certificate with the county clerk to that effect and has published such a notice in one of the papers in the county where his office is located for at least four successive weeks.

Views from the Great Haarlem Show

An outside section showing Tulips, Hyacinths, Narcissus and other bulbous flowers. The location is at the edge of a forest-like plantation, which enhances the bright coloring of the flowers.

An inside view of one of the exhibition halls, showing red and blue Cinerarias, Lilacs, unusually fine Marguerites and other flowering plants. Begonias, in variety, are seen hanging from the roof supports.

CHRYSANTHEMUM CUTTINGS

Now booking orders for early delivery

WHITE	Per 100	Per 1000
Oct. Frost	$2.00	$15.00
Kalb	2.00	15.00
V. Poehlmann	2.50	20.00
Touset	2.00	15.00
A. Byron	2.00	15.00
Wanamaker	2.00	15.00
White Cloud	2.00	15.00

WHITE	Per 100	Per 1000
T. Eaton	$2.50	$20.00
Chadwick	2.50	20.00
Nonin	2.00	15.00
PINK		
Balfour	2.00	15.00
Enguehard	2.00	15.00

YELLOW	Per 100	Per 1000
Golden Glow	$2.00	$15.00
Monrovia	2.00	15.00
Oct. Sunshine	2.00	15.00
Appleton	2.00	15.00
Y. Eaton	2.50	20.00
Golden Chadwick	3.00	25.00
Halliday	2.00	15.00
Bonnaffon	2.00	15.00

J. D. THOMPSON CARNATION CO., Joliet, Ill.

Please mention the Exchange when writing.

CHRYSANTHEMUMS ROOTED CUTTINGS READY NOW

WHITE	Per 100
OCTOBER FROST	$2.00
ESTELLE	2.00
POLLY ROSE	2.00
ROBINSON	2.00
WHITE CHADWICK	3.00
MERRY XMAS	3.00
YANOMA	2.00
MRS. BUCKBEE	2.50

	Per 100
WHITE BONNAFFON	$2.00
SNOW QUEEN	2.50
WHITE IVORY	2.00
C. TOUSET	2.00
PINK	
PINK IVORY	2.00
ROSIERE	2.00
DR. ENGUEHARD	2.00

YELLOW	Per 100
MONROVIA	$2.00
ROBT. HALLIDAY	2.50
GOLDEN BEAUTY	2.50
GOLDEN GLOW	3.00
YELLOW BONNAFFON	2.00
RED	
INTENSITY	2.00
BLACK HAWK	2.00

WIETOR BROTHERS, 51 Wabash Avenue, Chicago, Ill.

Please mention the Exchange when writing.

SPECIAL GRAND CHRYSANTHEMUM OFFER

1000 OCTOBER FROST or GOLDEN GLOW, out of 2½-in. pots, $17.50; 500 for $9.00.

CHRYSANTHEMUMS

	R. C. 100	R. C. 1000	2½-in. pots. 100	2½-in. pots. 1000
WHITE.				
October Frost (600 for $9.00)	$2.00	$16.00	$2.50	$17.60
White Seedling No. 1	5.00	40.00	6.00	60.00
White Seedling No. 2	8.00	75.00	9.00	80.00
Virginia Poehlmann	3.00	25.00	4.00	35.00
Alice Roosevelt	3.00	25.00	4.00	35.00
Alice Byron	2.00	15.00	2.50	20.00
Minnie Wanamaker	2.00	15.00	2.50	20.00
Nonin	2.00	16.00	2.50	20.00
White Bonnaffon	2.00	15.00	2.50	20.00
Yanoma	4.00	20.00	6.00	45.00
John Burton (late)	4.00	30.00	5.00	45.00
Chadwick	3.00	25.00	4.00	35.00
Novelties.				
Lynnwood Hall	5.00	40.00	6.00	50.00
Pres. Taft	10.00		12.00	
Pompon Baby Margaret	10.00		12.00	
YELLOW.				
Golden Glow (500 for $9.00.)	2.00	16.00	2.50	17.50
Monrovia	2.00	15.00	2.50	20.00
Appleton	2.00	15.00	2.50	20.00
Maj. Bonnaffon	2.00	15.00	2.50	20.00
Golden Eagle (new)	4.00	35.00	5.00	45.00
Golden Chadwick	3.00	27.00	4.00	35.00
Mrs. W. E. Kelley (new)	10.00		12.00	
Virginia (new)	10.00		12.00	
Baby (Pompon)	5.00		6.00	
PINK.				
Rosiere	2.00	15.00	2.50	20.00
Minnie Bailey	2.00	15.00	2.50	20.00
Dr. Enguehard	2.00	15.00	2.50	20.00
Hankey	4.00	35.00	5.00	40.00
RED.				
Cullingfordil	3.00	25.00	4.00	35.00
Black Hawk	3.00	25.00	4.00	35.00

BEDDING PLANTS

3-inch stock of following: Salvias, Lobellas, Petunias, Ice Pink, Salleroi, Geraniums, German Ivies, Thunbergias, and all standard cutting and seedling stock, $3.00 per 100, $25.00 per 1000.

PRINCESS OF WALES VIOLETS, Rooted Runners, $2.00 per 100.

I. M. RAYNER, Greenport, N.Y.

Please mention the Exchange when writing.

Chrysanthemum White Frick

(SPORT OF HELEN FRICK)

2½-inch pots, $6.00 per 100; $50.00 per 1000.

PAUL FISCHER

Wood-Ridge (Bergen County), N. J.

Please mention the Exchange when writing.

MR. FLORIST:—

Do you grow 'Mums, and do you still grow Ivory for your home trade? If so, how would you like a yellow Ivory? I have it. It's a true sport exactly like its parent in all but color.

I can quote you immediate delivery on 2½-inch pot plants at $2.00 per dozen, $15.00 per hundred, $125.00 per thousand.

CHARLES H. TOTTY, Madison, N. J.

Please mention the Exchange when writing.

Chrysanthemum Stock

2¼-inch pots

PINK	Per 100
A. J. Balfour	$2.50
Glory of Pacific	2.50
Maud Dean	2.50
Pink Ivory	2.50
YELLOW	
Col. Appleton	$2.50
Gold Mine	3.00
Monrovia	3.00
Major Bonnaffon	2.60
October Sunshine	2.50
Yellow Eaton	3.00
WHITE	
Alice Byron	$2.50
Jeanne Nonin	2.50
Ivory	2.25
Mrs. H. Robinson	2.50
Beatrice May	3.00
Polly Rose	2.50
Timothy Eaton	2.60
White Dean	3.00
Yanoma	3.00
CRIMSON	
Black Hawk	$2.50
John Shrimpton	2.50
SINGLES	
Rob Roy	$10.00
Anna Spangle	10.00
Irene Cragg	10.00

EDWARD J. TAYLOR,

GREEN'S FARMS, CONN.

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Rooted Cuttings

White: Baby Margaret, Touset, A. Byron, Timothy Eaton, J. Nonin, Ivory, Desjouis.
Pink: Amorita (very early), Glory of the Pacific, M. Dean, Mary Mann, Rosette, P. Ivory.
Yellow: Golden Glow (very early), M. Bonnaffon, Y. Eaton, Cremo, Robt. Halliday, Golden Eagle, Yellow Jones, Golden Baby.

Send for Price List.

WILLIAM SWAYNE, P. O. Box 215, KENNETT SQ., PA.

Please mention the Exchange when writing.

100,000 Chrysanthemums

Best Commercial Varieties in Clean and Well-Rooted Cuttings

Price—$2.00 per 100, $15.00 per 1000. 500 at 1000 rates.

EARLY WHITE—Opal, Estella, Oct. Frost, Touset, Ivory, Alice Byron, Miss Clay Frick.

LATE WHITE—White Bonnaffon, Tim. Eaton, J. Nonin.

EARLY YELLOW—Golden Glow ($2.00 per 100, any quantity), Monrovia, Hilldon, Robt. Halliday.

LATE YELLOW—Maj. Bonnaffon, Golden Wedding, Yellow Jones, Yellow Eaton.

PINK—Glory of Pacific, Wm. Duckham, Pink Ivory, Maud Dean, Minnie Bailey.

50,000 MARIE LOUISE VIOLETS, sand rooted cuttings, New York Stock and O. K., $2.50 per 100, $20.00 per 1000.

10,000 POTTED CANNAS, in 12 best bedding varieties, $5.00 per 100; send for list of sorts.

Benjamin Connell

Merchantville, N. J.

Please mention the Exchange when writing.

Chrysanthemums

All the Standard Varieties

POMPONS and SINGLES

$2.00 per 100, $15.00 per 1000

Stock guaranteed true to name

GEO. B. HART

24 Stone St., ROCHESTER, N. Y.

Please mention the Exchange when writing.

HEATING QUERIES

Conducted by U. G. Scollay

Inquirers Read This

Subscribers asking questions for Heating Problems must be particular to give the following: Length, width, height at ridge, height at eaves, glass on sides, glass on ends, position of house as regards points of compass, grade of house, location of boiler pit, size of boiler pit, depth of boiler pit, size and location of chimney, temperature desired in each house, whether steam or hot water is used for heating, number of pipes and size in each house, dimension and position of benches, location of doors. The above information I must have before I can answer any definite questions regarding any heating plants already installed.

If the inquiry is for proposed new house or houses, send full measurements of the houses as described above, including glass, proposed location of boiler pit, proposed location of chimney, position of house as regards points of compass, number and position of benches, temperature required of purposes for which the houses are intended; whether steam or hot water heat desired.

Subscribers who may contemplate asking for information regarding heating apparatus are particularly requested to cut this out, so that when they write, the questions will be answered fully, and will save time and help the writer materially to arrive at the proper conclusions. U. G. Scollay.

Please tell me through your valuable paper the best way to arrange pipe to heat my greenhouse and potting shed. The potting shed is 51′ long by 9′ wide, 6′ high at north wall and 10′ at south. The greenhouse is on the south of potting shed, running east and west, being 5′x15′, 13′ at ridge and 6′ at eaves, under which is 28″ of glass; the rest of the wall is ½″ lumber, one-ply tar paper and siding, and on the inside of wall ½″ lumber, tar paper and shiplap one-ply, with two inches air space between walls. The gables are built to the top with lumber outside, ½″ lumber tar paper and siding, inside ½″ lumber, tar paper and shiplap. The potting shed is one-ply siding, with hardwood shingle roof, with five windows in it, about six square feet of glass in each. The weather is very cold here, sometimes going as low as 40° below zero and sometimes staying for a week at a stretch at 30° at night and 20° during the day. I have a lot of 1¼″ pipe on hand which I would like to use. I intend using hot water, and would prefer to have boiler at the southeast end of plot. I would like to keep the temperature at 55° and just keep frost out of shed.—W. A. L., Manitoba.

—Utilizing 1¼″ pipe, a quantity of which you have on hand, I would suggest the following: In the greenhouse 23 runs of 1¼″ pipe, divided as follows: Ten pipes under the south bench, eight under the middle bench, five under the north bench. I would divide the ten under the south bench into two coils of five pipes each. In the potting shed run a coil along the east and north walls to the door at the west end of five 1¼″ pipes. Start out from the boiler with a 3″ main or its equivalent. Take the first bench with the ten pipes from this 3″ and continue the main north along the east end of the greenhouse, 2½″ to the middle bench reduced to 2″ for the north bench and continue into the potting house with at least 1½″, or 2″—if you care to. Other details as to the location of the expansion tank I presume you are familiar with.

Detroit

Last week's combination of increased business with supply shortened by cloudy cold weather and a surplus of rain put local fakirs out of business. Prices in general ruled higher and firmer than during the two weeks previous. Inquiries for outdoor plants are very numerous but prevailing weather conditions prevented open air operations. Flowering plants, Boston Ferns and small Palms for retail trade are extremely scarce here, and it will be a couple of weeks before good Hydrangeas, etc., will be in again.

The local wholesalers are using every honest means imaginable to procure enough cut flowers to satisfy the demand of their regular customers. F. D.

SALT LAKE CITY, UTAH.—The Miller Floral Co. has purchased ten acres of land in Davis county from Nathan Clark of Farmington, and the construction of two greenhouses is under way. The company is capitalized at $100,000 and will grow Carnations and Roses during the first year, rapidly branching out into other lines as the market demands indicate. The officers of the company are Robert Miller, president; W. E. Tarbell, vice-president; Louis L. Barton, secretary and treasurer.

Dracaena Indivisa

A Fine Stock In All Sizes
4 inch, 12 to 15c.; 5 inch, 20 and 25c.; 6 inch, 35 and 50c.; 7 inch, 75c.

SCOTTII FERNS, 6 inch, 50c.
ASPARAGUS PLUMOSUS, 2¼ inch, strong, $3.00 per 100; 4 inch, $10.00 per 100.
COCOS WEDDELLIANA, 2¼ inch, 10c. each, $9.00 per 100.
VINCA VARIEGATA, strong, 4 inch, $12.00 per 100.

HENRY WESTON, Hempstead, N.Y.

Please mention the Exchange when writing.

FLORISTS' 'MUMS

Still a great many good Commercial, Exhibition, Pompons and Singles.
For further particulars see *Stock for Sale* in back of *Exchange*.

ELMER D. SMITH & CO., Adrian, Mich.

Please mention the Exchange when writing.

Chrysanthemum Stock

Polly Rose, Pacific, Shaw, Monrovia, Halliday, Ivory, Nonin, Bonnaffon, Enguehard, Adelia, $1.50 per 100, $10.00 per 1000. Chadwick, $2.00 per 100.
900 SMILAX, 2-in., if taken at once, $10.00 for the lot.
ENGLISH IVY, 3-in., $8.00 per 100.
Two-year-old EVERGREENS, $6.00 per 100.
Cash with order, please.

JACOB KOL, East Nutley, N.J.

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Bench Grown Strong Plants

Golden Glow, Pacific Supreme, White and Yellow Bonnaffon, Timothy Eaton,
$3.00 per 100,
$25.00 per 1000.

A. V. D. SNYDER, RIDGEWOOD, N.J.

Please mention the Exchange when writing.

Books Every Florist Should Have

BULBS AND TUBEROUS ROOTED PLANTS.—C. L. Allen. $1.50.

THE GARDENER'S ASSISTANT.—New. Two large volumes. The most complete encyclopedia of gardening published. Includes fruit culture. Prospectus. Price, $16.00.

THE AMERICAN CARNATION—C. W. Ward. Price $3.50. Prospectus.

THE CHRYSANTHEMUM.—A. Herrington. Price 50c.

ARNOLD'S TELEGRAPH CODE FOR FLORISTS.—$2.60.

DESIGN BOOK, THE FLORISTS' EXCHANGE.—Sold to subscribers only. Send for particulars.

FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $2.40. Reviewed Feb. 19, 1910.

THE HEATHER: In Lore, Lyric and Lay.—By the late Alexander Wallace, $1.00. Prospectus.

PLANT CULTURE.—George W. Oliver. Price $1.60; F. E. two years and Plant Culture, $3.00. Prospectus.

PRONUNCIATION OF PLANT NAMES.—Price 60c. Reviewed March 27, 1909.

THE ROSE.—H. B. Ellwanger. Price $1.25.

SUCCESS IN MARKET GARDENING.—Herbert Rawson. Price, postpaid, $1.20. Reviewed, April 23, 1910.

SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 50c. Prospectus.

SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.

VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.60. Prospectus.

WATER GARDENING, THE BOOK OF.—Peter Bisset. Prospectus. $2.60.

GOLDFISH, THE, AND ITS CULTURE.—Hugo Mulertt. Price, $2.00. New edition. Prospectus.

The review notices or prospectuses of the books mentioned will be mailed to any subscriber on application.

Prices quoted include prepaid delivery.

Address orders to

The Florists' Exchange No. 2 Duane St. New York

Chrysanthemums

Polly Rose, Dr. Enguehard, 2¼-in., $2.50 per 100, $20.00 per 1000.
AGERATUM, Stella Gurney, 2¼-in., $2.00 per 100.
SMILAX SEEDLINGS, 50c. per 100, $4.00 per 1000.
Cash with order.

C. A. PETERSON, Madison, N. J.

Please mention the Exchange when writing.

Snow-White Sport of Helen Frick

CHRYSANTHEMUM

From 2¼-inch pots	$10.00	per 100
Rooted Cuttings	8.00	" "
Unrooted Cuttings	5.00	" "

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

Coming Exhibitions

Boston, Mass., May 26-30, 1910.—Great Exhibition of Orchids and other plants by the Massachusetts Horticultural Society. Secretary, William P. Rich.

Minneapolis, Minn., Nov. 10-16, 1910.—Flower Show of the Minnesota State Florists' Association. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliaeum, Jefferson & Washington ave. Otto G. Koenig, Secretary, 6473 Florissant ave., St. Louis.

W. R. Smith *

(Superintendent U. S. Botanic Gardens, Washington, D. C.)

There's ae douce carle, a denty chiel,
Ilk ane wha kens him loes him weel;
His word is true, his heart is leal—
They ca' him Smith;
An' a' wha for their fellows feel,
May claim him kith.

O' a' kin-kind o' grass and trees,
O' seeds, an' flooers, and honey bees
He has great lear, an's at his ease
Wi' unco names
O' fremit plants, brocht ower the sea,
Far frae their hames.

Richt glegly, too, wi' canty phrase,
He cracks o' auld world Scottish ways,
As to the scenes o' youthful days;
His fancy turns;
Syne leezes on the magic lays
O' Robert Burns.

As bleezin' peat lowes i' the win'
As stithy rings wi' hammer tune,
Smith fans a lowe oor hearts within,
An' dirls us hard
On heart-chords that mak' a' men kin
To Scotia's bard.

An' Burn's editions, auld or fine,
Kilmarnock buiks an' nineteen-nine,
He has them a', an' ilka line
That's said or writ
O' Scotia's poet, gif it shine
Wi' sense or wit.

Lang may Smith tent his meikle store
O' Burns's works an' Burnsian lore,
Until his years rin yont five score,
When, won through livin',
He'll gang to join the immortal core,
Wi' Burns in heaven.

—B. Irving in The Scottish American.

*Mr. Smith is a grand old Scotsman, well known at the National Capital, where he has resided for half a century. He is a Burns enthusiast and has gathered together the most complete and most interesting collection of Burnsiana outside of Scotland. B. I.

LIKE THE BEE

We are Never Idle

More Active Than Ever

Ten large greenhouses and an equal amount of cold frames filled with choice **BEDDING PLANTS** of all descriptions. Now ready for immediate shipment.

LOOK! We are the people who can offer you **BARGAINS** in **BEDDING PLANTS.**

CANNAS, J. D. Eisele, 4-in., $8.00 per 100; **Alphonse Bouvier, Bismarck, Richard Wallace, Kate Gray, King Humbert**, 4-in. pots, $7.00 per 100.

ENGLISH IVY, 4 in., $1.00.

BEGONIA ERFORDI, new improved variety, 4 in. pots, $8.00 per 100.

BEGONIA FLAMBEAU, 6 in. pots, 18 to 24 in. high, for boxes and vases, 25c.

BEGONIA VERNON, dark red, and light red, our so well known improved strain from Zurich, Switzerland. Introduced by us 4 years ago. Has given so much satisfaction all over America. Always in bloom, stands the sun and dry weather well. 4 in. pots, $8.00 per 100; large 3 in., $6.00 per 100. In bloom; big plants planted when small in benches from 3 to 6 seedlings into one pot. A bed of this novelty Begonia once seen growing on a lawn will speak for itself.

SCARLET SAGE, in bloom, Clara Bedman or Bonfire, 4-in., $7.00 per 100.

AGERATUM, dwarf, best blue, 4 in. pots, $6.00 per 100.

LEMON VERBENAS, 4 in., $7.00 per 100.

HELIOTROPE, blue, 4 in. pots, $7.00 per 100.

ENGLISH IVY, 3-in. pots, 18 to 25 in. high, $5.00 per 100.

VINCA Variegata (Periwinkle), for vases or window boxes, 4 in. pots, good stock, 10c. to 12c.

FUCHSIAS, assorted colors, 4 in., $7.00 per 100.

GERANIUMS, best double white, **S. A. Nutt** (crimson) and pink, 4 in., $7.00 per 100.

PETUNIAS, double, assorted colors, 4 in., $7.00 per 100.

LANTANAS, assorted colors, 4 in., $7.00 per 100.

ECHEVERIA GLAUCA, good strong plants, $3.00, $4.00, $5.00 per 100.

ASTERS, German, Queen Victoria, 4 separate colors, 2 in. pots, $3.00 per 100.

ZINNIA elegans, 2½ in., $3.00 per 100.

CYCAS Revoluta, or **Sago Palms**, clumps from 3 to 10 lbs., 10c. a lb.
25 plants at 100 rate.

Small plants, 2½ to 3-in., $3.00 per 100:

VERBENAS, assorted colors, **PHLOX DRUMMONDI**, dwarf or grandiflora, French dwarf **TAGETES** (the Queen of Marigolds), **COSMOS**, assorted; **COLEUS, Verschaffeltii, Queen Victoria** and **Golden Bedder** (fancy colors, $4.00 per 100); **PETUNIA, California Giant** and **Dwarf Inimitable; NASTURTIUMS** (dwarf); **SWEET ALYSSUM, Little Gem** or **Carpet of Snow; TRADESCANTIA, THUNBERGIA** (Black-Eyed Susan); **MAURANDIA Barclayana; IBERIS** or **CANDY-TUFT, CORN FLOWERS; SALPIGLOSSIS; LOBELIA, Crystal Palace** (blue), dwarf or trailing; **DUSTY MILLER** or **CENTAUREA Gymnocarpa.**

In **NEPHROLEPIS** or **FERNS** we have the following: **Scottii, Whitmani** and **Boston**, medium size, 4 in., 20c. **Scholzeli**, medium, 4 in., 25c.

PRIMULA Obconica, 5-in., in bloom, $2.00 per doz.

DRACAENA Indivisa, 6 to 5½-in., 25c.

KENTIA Forsteriana and **Belmoreana**, 4-in. 20c.; **Belmoreana**, 3-in. 10c.; **Forsteriana**, 6-7 in., 40-60-60 in. high, $2.00, $2.60, $3.00 each.

CRIMSON RAMBLER ROSES, 7-8 in. pots, 75c., $1.00, $1.25 each. **Dorothy Perkins**, one of the newest best pinks, pot grown, 2 to 3 years old, 35c., 40c., 50c.

HYDRANGEA OTAKSA, in bud, 5½ to 6 and 7 in. pots, 25c., 35c., 50c.

FICUS ELASTICA, 4 in. pots, 25c.

Don't forget we are the wholesale growers and shippers of the genuine **MOON VINE**, the **Ipomoea Noctiflora**, for which we have had, for the last 25 years, a world-wide reputation. A rapid grower; grows in one season 60 ft. and over with thousands of pure white, waxy, fragrant flowers as big as a saucer. We ship 25,000 every season to every state in the Union, Canada and Mexico. 2½-in. pots, $5.00 per 100; 3-in., staked up, $8.00 per 100; 4-in., staked up, $12.00 per 100.

Watch our "ads" for **ARAUCARIA Excelsa, Compacta** and **Glauca**. First shipment, about 6000, will arrive from Belgium about May 10.

All plants must travel at purchasers' risk.

Cash with order, please.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Bedding Plants

Cannas from 4-inch pots, in the following varieties: **A. Bouvier, Mme. Crozy, Souv. de A. Crozy, Chas. Henderson, Gladiator** and **Shenandoah**, price $8.00 per 100 or $70.00 per 1000. **King Humbert**, $15.00 per 100.

Alternanthera Brilliantissima Strong bushy plants, from 2¼-inch pots, price $3.00 per 100 or $25.00 per 1000. Yellow and Pink, $20.00 per 1000.

Coleus **Verschaffeltii** and **Golden Bedder**; also assorted varieties, price $2.50 per 100 or $20.00 per 1000.

Heliotrope Dark blue, from 3-in pots, price $4.00 per 100.

Salvias In varieties, from 3-inch pots, price $4.00 per 100, from 2¼-inch pots, $2.50 per 100 or $20.00 per 1000.

Dracaena Indivisa Strong plants, 7-inch at 75c. each, 8-inch at $1.00 each. Smaller sizes at 35c. and 50c. each.

Ageratums Dwarf blue from 2¼-in. pots, price $20.00 per 1000.

JOHN SCOTT

Rutland Road and East 45th Street, BROOKLYN, N. Y.

PLANTS

GERANIUMS

FRANCIS PERKINS Dark Pink
BEAUTE POITEVINE Salmon Pink
BERTHA PRISCILLA Soft Pink
MME. BUCHNER White
JEAN VIAUD Clear Pink
S. A. NUTT Dark Red
ALPH. RICARD Scarlet

3½ inch $6.00 per 100, 4 inch $8.00 per 100

COLEUS

Verschaffeltii **Golden Bedder** **Assorted Varieties**

$3.00 per 100

ALTERNANTHERA, Red and Green, $3.00 per 100.
CALADIUMS, 5 inch $8.00, 6 inch $10.00 per 100.
PETUNIAS, Double, 3½ inch $6.00 to $8.00 per 100.
PETUNIAS, Single, $3.00 to $5.00 per 100.
FUCHSIAS, 4 inch, $8.00 per 100.
GERMAN IVY, $3.00 to $6.00 per 100.
CENTAUREA, $3.00 per 100.
AGERATUM, 3½ inch, $5.00 per 100.
DRACAENAS, 5 inch, $20.00, larger size $35.00 per 100.
CANNAS, $5.00 to $6.00 per 100.
VINCAS, $8.00, $10.00, $15.00 per 100.
SALVIA, 3½ inch, $5.00 to $6.00 per 100.
VERBENAS, 2½ inch, $3.00 per 100.
HELIOTROPE, 3½ and 4 inch, $6.00 to $8.00 per 100.
GERANIUM, Mme. Salleroi, $3.00 to $5.00 per 100.
FUNKIA, Variegated Day Lily, $8.00 per 100.
LOBELIA, $3.00 per 100.
BOSTON FERN, 75c., $1.00, $1.50 each.

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ROCHESTER, N. Y.

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"THE FLOWER CITY"

24 Stone Street

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CLUBS and SOCIETIES

Florists' Club of Philadelphia

A regular meeting of the Club was held at its quarters in Horticultural Hall, Philadelphia, on Monday evening, May 2, President Joseph Heacock occupying the chair. Thomas Dale, Lewis A. Cathery and Hilbourn Darlington were elected members. Mr. Thilow, for the committee on essays, announced that Alphonse Pericat would speak on Orchids at the next meeting.

Leo. Niessen, for the committee on exhibits, reported that his committee awarded commendation to exhibitors that evening, as follows: Vase of Duchess of Wellington Roses, grown by Robert Scott & Son, Sharon Hill, Pa.; vase of Sunrise Roses, grown by H. W. Collins, Doylestown, Pa.; and a vase of Niphetos, and a vase of Perle des Jardins Roses, grown by Charles E. Meehan.

The showing of old as well as new Roses made was to fittingly illustrate Anton Wintzer's subsequent talk, and for this same purpose Robert Pyle, of the Conard & Jones Co., showed, in three-inch pots, three plants of Hiawatha, three of Dorothy Perkins, and four of the new Rose, American Pillar, all in bloom. The color of the last named is carmine, with a large white eye; the bloom is single, two inches in diameter, and very attractive.

The Lightning Hose Coupler was shown by the Lightning Coupler Sales Co., 1114 Sansom st., Philadelphia, and received commendation.

Anton Wintzer, of the Conard & Jones Co., West Grove, Pa., was then introduced by President Joseph Heacock, and gave a talk on "Roses, Past and Present," an account of which will be found elsewhere in this issue.

Elberon (N. J.) Hort. Society

This Society held its regular meeting May 2, President Peter Murray in the chair. The Society will hold its annual Rose and Strawberry Show in June, the date to be fixed at the next meeting. The date for the Chrysanthemum Show this Fall was set for Nov. 9 and 10.

The following points were awarded for competition: A. Bauer, 95 for Antirrhinum. Wm. Seymour, 85 Roses. D. Kelley, 75 Peas. Peter Murray was awarded a certificate of culture for a very fine vase of O. P. Bassett Carnations, Chas. De Wild received a certificate of culture for three bunches of Asparagus.

ALEX. FLEMING, Rec. Sec.

MANSFIELD, O.—H. D. Hunt, the East Fourth st. florist, received a new Maxwell machine for delivery purposes, and also for pleasure; this, with two wagons and a bicycle, making it easy for him when rushed to get work out on time.

Catalogs Received

WM. C. HART, East Walden, N. Y.—Handy Pocket Size Descriptive Catalog of his Sycamore Dahlia Gardens, Foreign and American Intriductions, grown for the trade only. This catalog contains a very full listing of leading commercial kinds in the Cactus, Decorative, Fancy, Show and Pompon varieties. The descriptions of varieties as to plant and flower have quite evidently been compiled with considerable care.

YOKOHAMA NURSERY CO., Yokohama, Japan, and New York.—Descriptive Catalog of Bulbs, Plants and Seeds, for 1910. Lilies, naturally, are most prominent in the publication, and the section devoted to them is well illustrated, particularly noticeable being a plate showing, in natural colors, flowers of 37 types of Lilies. Miscellaneous bulbs and tubers, Tree Peonies, Herbaceous Peonies, Iris, Camellias, Azaleas, Orchids, and Japanese Roses are all prominently listed. Ornamental trees and shrubs, and ornamental fruits are well presented, a plate in natural colors representing well flowered branches of five flowering Cherries. Other products noticed are economic plants, hedge plants, Palms, Cycas, Bamboos, Grasses, Alpines, hardy perennials, dwarfed trees, climbers and creepers, Ferns and aquatic plants. In florists' supplies are shown Bamboo stakes, baskets, porcelain flower pots, plant receptacles, store lanterns, Cycas dried leaves, and ornamental bronzes. The publication throughout is well illustrated, and appears in handsome covers, the front page bearing Lilies, Peonies and Iris, and the rear page Iris, Peonies, Lilies and Azaleas, all done in natural colors.

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6000 Ricard, 2-in., fine stock, ready for shipment, $2.00 per 100, $18.00 per 1000.

Rooted Cuttings: S. A. Nutt and Buchner, $10.00 per 1000.

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Nice stocky 3-in. stock of the following varieties: Nutt, Ricard, Poitevine, Castellane, Jaulin, Grant and Doyle, $4.00 per 100, $35.00 per 1000.

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5000 Double Grant, 3-in. pots, $3.00 per 100; 3½-in., $6.00 per 100.
5000 Poitevine, 4-in., $6.00 per 100.
4000 Poitevine, 3-in., $4.00 per 100.
5000 S. A. Nutt, 3½-in., $6.00 per 100.
3000 S. A. Nutt, 3-in., $3.00 per 100.
5000 VINCA Variegata, 4-in., $6.00 per 100, extra fine.
5000 CANNAS, 3½ and 4-in., $6.00 per 100, in the following varieties:
Queen Charlotte, Alph. Bouvier, Mme. Crozy.
2000 HELIOTROPE, 3½-in., $5.00 per 100.
5000 GERMAN IVY, 2½-in., $3.00 per 100.
3000 SALVIAS, $3.00 per 100.
DREER'S PETUNIAS, 3-in., $3.00 per 100.
5000 LEMON VERBENAS, $6.00 per 100.
5000 VERBENAS, 2-in., $3.00 per 100.
DUSTY MILLER, 3-in., $5.00 per 100.
GERANIUMS, Mme. Salleroi, 2½-in., $2.00 per 100.
COLEUS, various varieties, $2.50 per 100.
AGERATUM, 2½-in., $2.50 per 100.
IMPATIENS, Sultana, $5.00 per 100.
ROSE GERANIUMS, 3½-in., $5.00 per 100.
ROSE GERANIUMS, 3-in., $4.00 per 100.

Cash.

ROBERT A. ELLIOTT, Morristown, N. J.

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GERANIUMS Nutt, Bruanti, Poitevine, Ricard, Buchner, Hill. Good little plants from soil, $1.00 per 100.
COLEUS Ver. and G. Bedder, extra strong and brightest Fancy, $5.00 per 1000. Giant Leaved, most showy of all, 80c. per 100. Heavy from soil, all kinds, $1.00 per 100.
ALTERNANTHERA. Soil plants, Imp. P. Major. Is bright red all season. 80c per 100.
ASTER. Wonder, large and very earliest. Pink and white. Seedlings, 30c. per 100. Cash.

DANIEL K. HERR, Lancaster, Pa.

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We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(110) **Specimen for Identification.**—T. L., N. Y.

—This is the American Olive, Olea Americana, not quite hardy at Philadelphia unless well sheltered. There are some beauties in Louisville, Kentucky, in the cemeteries and private gardens. J. M.

(111) **Rambler Roses for Quick Blooming.**—I have some Rambler Rose plants which I am about to pot to bring in for Memorial Day. Would you be kind enough to give some of the important directions in regard to temperature, watering, syringing, etc.?—W. F. E., Mass.

—It is very late to be potting Rambler Roses now to bring them in for Memorial Day. Pot them in good Rose soil and place out in a cold frame, or in a cool greenhouse, at first. A north side house or a cool place under a bench would be good. The object is to get the roots started before the tops get too far advanced, as they are likely to do at this time of the year. The partial shade is needed to keep the hot sun from drying up the wood. After the first two weeks or so, or as soon as they are well started they will need all the sun and air they can get. If the roots are fresh and lively and the wood is plump, fair results may be obtained at this late date, but if the plants are dry and shrivelled, soak them in water a few hours and then bury them in the loam pile, tops and all, a few days before potting them. Ramblers need little pruning as they flower from shoots produced on the old wood. However, they may be shortened back a little if very long, there will be less danger of them shrivelling in this case. Pot firmly, water carefully and keep them syringed several times daily. Damp down all around the plants to keep the surroundings as cool and moist as possible. Avoid getting the loam in the pots too wet with the frequent sprayings. When well started, give them regular Rose treatment; you cannot hurry them at first, but the last week or ten days, if they are well rooted, they will come along rapidly. It is impossible to get very showy plants in one month from dormant stock, but good Ramblers, ready to flower, ought to be salable at any time for the next two months. E. H.

(112) **Cut Back A. Quinquefolia.**—We have some Ampelopsis quinquefolia, 8 to 10 ft. long, which we want to transplant. If we tack them to the brick wall do you think they will cling to it; will they grow or would you advise to cut them back to the roots? They are field-grown and do not seem to have any life in them at present. We want them for immediate effect.—F. W., N. Y.

—You will obtain far more satisfactory results by cutting the plants back to the roots than by letting them carry the long shoots. By the close of the growing season, if the plants grow at all, the new growth would cover as much as the old they now carry. Shoots tacked to a wall do not form rootlets to clasp the brick, but the new growth made would do it. J. M.

(113) **Flower for Indentification.**—The specimen herewith is from an old bush five or six feet high, in bloom April 29. —C. W. A., N. Y.

—Unless this is Pyrus Parkmani we do not know what else to call it. The flowers seem identical, but the leaf hardly as smooth and shining as Parkmani. It is a beautiful flower. It may be a variety of Parkmani.

P. S.—Since writing the above your specimen has been compared with some flowers of the Pyrus malus Scheideckerii, and agrees with them—the leaves also—better than with P. Parkmani.

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S. A. Nutt, from 4-inch pots, at $6.00 per 100. Satisfaction guaranteed.

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Per 100
8 varieties, 2½-inch pots $3.00
8 varieties, my selection, 3-in. pots..$4.00
ASPARAGUS Sprengeri, seedlings,.... $7.00 per 1000.. 1.00
DOUBLE PETUNIAS, Seedlings..... 2.60

Cash. No C. O. D.

Coleus

Per 100
10 varieties, 2¼-in. pots, April 1.....$2.00
10 varieties CANNAS, 3½-in. pots.... 4.00
ASPARAGUS Sprengeri, 2½-in. pots .. 2.00
400 ASPARAGUS plumosus nanus, 2¼-in. pots 2.00
ALTERNANTHERA, red and yellow April 1st 2.00

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S. A. Nutt, strong, 4-in. plants in bud and bloom $6.00

Rooted Cuttings, May 1st delivery.

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S. A. Nutt and La Favorite	$1.00	$10.00
Castellane	1.00	10.00
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Nutt, Buchner and others, 2-in. pots, $2.00 per 100; 3-in. pots, $3.00 per 100; 4-in. pots, $6.00 per 100.

FUCHSIAS, SALVIAS, HELIOTROPES, DOUBLE GIANT, SWEET ALYSSUM, DOUBLE WHITE FEVERFEW, AGERATUM GURNEY, VINCA VARIEGATED, R. C., $1.00 per 100; 2-in. pots, $2.00 per 100; 3-in. pots, $3.00 per 100.

ASTERS, 2-in. pots, $1.00 per 100.

PHLOX, MARGUERITE CARNATIONS, SINGLE STAR PETUNIAS, VERBENAS, AGERATUM, Swanley Blue, 2-in. pots, $1.50 per 100.

COLEUS

Crimson Verschaffeltii, Golden Bedder and 15 others, R. C., 60c. per 100; $6.00 per 1000.

PANSY PLANTS

50c. and $1.00 per 100; $5.00 and $8.00 per 1000.

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Geraniums! Geraniums!

Nutt, Doyle, Buchner, La Favorite, Grant, Bruanti and others, also Rose Geraniums, $13.00 per 1000; 500 at 1000 rates.

Coleus, Rooted Cuttings, in variety, $5.00 per 1000. Verschaffeltii, $6.00 per 1000.

Ageratum, Stella Gurney, Pauline and 100. Heliotrope, all dark, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Feverfew, Little Gem, R. C., $1.00 per 100; 2¼-in. pots, $2.00 per 100. Achyranthes Lindeni, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Pilea, Artillery Plant, R. C., $1.00 per 100; 2¼-in. pots, $2.50 per 100. Ivy, German, 2¼-in. pots, $1.50 per 100.

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PELARGONIUMS, Victor, 3½-in. pots, $7.00 per 100.

HELIOTROPE, Queen of Violets, Chieftain and Mme. Bleuny, 3½-in. pots, $5.00 per 100.

CANNAS, Duke, Queen Charlotte, Florence Vaughan, Martha Washington, (beautiful pink), 4-in. pots, $6.00 per 100.

IVY GERANIUMS, in variety, 3½-in. pots, $6.00 per 100.

FUCHSIAS, Snow White and Avalanche, 4-in. pots, $10.00 per 100.

VINCA Variegata, 3½-in. pots, $6.00 per 100.

BEGONIA Rex, 4 varieties, all good, 4-in. pots, $10.00 per 100.

COBAEA Scandens, 3-in. pots, $3.00 per 100.

BEGONIA Rex and BEGONIA Metallica, 2-in. pots, $4.00 per 100.

VERBENAS, SWEET ALYSSUM, Little Dorrit, 3-in. pots, $2.50 per 100.

PARLOR IVY, HELIOTROPE, two varieties; VINCA Variegata; SALVIA, Bonfire and Splendens; 2½-in. pots, $2.00 per 100.

PELARGONIUM, Victor, 3-in. pots, $4.00 per 100.

PETUNIAS, Single, large-flowering, 3-in. pots, $2.50 per 100.

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Ricard, Poitevine and S. A. Nutt, ready May 16, at $10.00 per 1000.

PLUMOSUS

Fine stock from Rose pots at $25.00 per 1000; sample for 10c.

SMILAX and SPRENGERI

Ready June 1.

Smilax, $12.50 per 1000.
Sprengeri, $16.00 per 1000.

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Fine, stocky plants, in bud and bloom, 4-in., Nutt, Poitevine, Ricard, La Favorite, Trego, Perkins, Jaulin, etc., $6.00 per 100.

Dark blue HELIOTROPE and Dwarf blue LOBELIAS, large plants, from flats, 75c. per 100, $6.00 per 1000.

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CHRYSANTHEMUMS, leading varieties R. C. 1.00
CHRYSANTHEMUMS, leading varieties 2-in. 2.00
STEVIA, leading varieties, R. C..... 1.00
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CANNAS, leading varieties, started.... 2.00
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NEW YORK, May 4.—The cut flower market is in a depressed condition. Arrivals, except in the case of outdoor Lilacs, are not over heavy, but the demand is not sufficient to cover the supply. In one or two cases where the supply has shortened somewhat, the demand has also declined, leaving the condition no better.

American Beauty Roses, specials, reach a top price of 20c. only. Killarney and My Maryland realize no better price than 6c. each, and Richmond 8c. each. Special Bride and Bridesmaid sell for 5c. each.

Best grade Carnations are selling at 3c., although a few fancy whites reach the 4c. mark.

The demand for Gardenias is very small and very few of the best grade realize $2 per dozen. Orchids are only fairly abundant but are beyond the requirements and the best grade sells slowly at 50c. each. There is no demand for Easter Lilies, and 6c. is about the limit for best grades. The very best Callas realize $1 per dozen. The top price for Lily of the Valley is $3 per 100.

Sweet Peas are abundant and only the very best grade realizes $1 per dozen bunches; most of sales are around the 50c. mark. A few Daffodils and Tulips are still coming in but about 1c. and 2c. each respectively is the price.

Outdoor Lilac is in the market in immense quantities, and armful bunches are carried away at 25c. each. Other miscellaneous stock is moving very slowly.

The outlook for the remainder of the week is not bright, and anything like a rise in prices cannot reasonably be expected.

BOSTON, May 3.—On Saturday last all flowers were cleaned up at an early hour and at good prices. There is beginning to be a scarcity in some lines. Bulbous material is not quite as plentiful as it was some weeks ago. The weather has been cool and seasonable but we have had a great lack of sunshine and plants and flowers are equalizing themselves outdoors; that is, the cool weather is holding them back considerably.

Roses are a little better as regards price, and they are not quite as plentiful, but there is still enough to fill all orders. American Beauty is of good quality and rather more plentiful. Kaiserin and Carnot are of very good quality and prices are holding well on these varieties.

Carnations stiffened up in price this week. Good white Carnations are in great demand and bring equally good prices. The crops of Carnations are getting less, therefore there is very little surplus now.

Sweet Peas are not quite as plentiful, but the quality is good and prices have improved somewhat. Spanish Iris is quite plentiful and of good quality. Gladioli Blushing Bride is coming in quantity, well grown, quite a favorite at the present time. Snapdragon is plentiful but the quality is not as good as it was some weeks ago. There are some very fine pink varieties coming in now. Lily of the Valley is plentiful and prices are fairly good. Tulips in some varieties are scarce, those from outdoors are much better than those grown indoors. Narcissus from outdoors is plentiful; Bicolor Victoria seems a favorite.

Lilies that are seen are mostly candidums, but there are still a few longiflorums around. Yellow and white Daisies are plentiful. Gardenias are selling fairly well. There is no scarcity in Orchids, especially Cattleyas Mossiæ and Mendelii. Green material in the way of Asparagus and Adiantum is still scarce. R. C.

PHILADELPHIA, May 2.—Fortunately there is not at present anything more than a normal cut of flowers arriving, and, on the other hand, the demand is not brisk. These two conditions balance each other, and except in a few stocks prices remain about the same. Southern Peonies and Tamarix are about the only new flowers noted on the market.

Some American Beauty Roses, specials, are realizing $3 per dozen, but about $2 to $2.50 is the price in most sales. Top grade Killarney and My Maryland are selling for 10c. each. Richmond is not so plentiful just now and some very select stock is bringing 15c. per flower. Mrs. Jardine of like grade is selling for the same figure. Special Bride and Bridesmaid in small transactions are selling for 10c. but most sales are around the 6c. mark for the best grades.

Carnations are not in over supply. In the colored varieties some very fancy flowers are selling for 4c. each, but more are changing hands at 3c. each. It is a little difficult to state anything definite as to white Carnation prices today, because on account of the anticipated demand at the week's end, for Mothers' Day, the market is in a somewhat uncertain condition. There is a sharp advance on whites in the fancy grades and 6c. to 8c. are the asking prices.

Gardenias are abundant, and only some specially fine flowers realize $3 per dozen. Most sales are made at from $2 per dozen down. Good Orchids are not over abundant. Some Cattleya Mossiæ, dark colored flowers, realize 75c. each, but 60c. each is about the general top figure.

Prices on Lily of the Valley are very firm, and top grade brings $4.00 per 100.

Easter Lilies and Callas, best grades, sell at 10c. each, but about 6c. is the usual selling price.

Sweet Peas are more abundant and the prices are falling off; some very fine long stemmed choice varieties reach the $1.00 per 100 mark, but good stock is selling at 75c. down.

The supply of miscellaneous stock is not quite as abundant as last week, but is sufficient to meet all demands, and the sales are not over brisk.

ST. LOUIS, May 2.—Business last week was only fairly good in the cut flower line, the demand being mostly for funerals, small weddings and dinner parties.

This week opened clear and warm and the trade is looking forward to a good business during the month of May. The commission men report trade with them, both local and shipping, has been rather slow of late and that last week they had plenty of cut stock in all lines at greatly reduced prices with much stock left over after the morning sales.

In Roses, Killarney still holds the record for abundance. There are many fancy Bride, Bridesmaid and Richmond which do not bring over $6; firsts about $4 and seconds $2 to $3 per 100. Many good Roses in 1000 lots fetch $10. Long fancy American Beauty not over $3 per dozen, and in lower grades, from $1.50 to 50c. per doz.

Carnations have been very plentiful of late and many were sent to the dump pile for want of demand. Extra fancy select stock is selling at the present time at $2 per 100, firsts at $1.50, and commons or splits at $1 per 100.

Peonies are now coming in at $4 per 100 and are fine and fairly plentiful. Sweet Peas are arriving in abundance and sell well at from 25c. to 50c. per 100.

Lilies have been more than enough of late and bring $8 to $10 per 100. Harrisii are exceptionally fine at all the commission houses. ST. PATRICK.

CHICAGO, May 3.—The market is still governed by the unsettled weather and until a change comes there is little hope of conditions being otherwise. Fortunately, the demand, outside of funeral work, is not very urgent, as with the continued rain and cloudy weather stock is not coming in any too good in point of quality, or great quantity. Roses seem to be the one article that is plentiful in any way, although they are deteriorating in quality perceptibly.

Carnations, while there is enough for all needs, are not over abundant. Some exceptionally fine flowers are to be found at times, and again one sees the effect of the damp and dark days. They are commanding about quoted prices, good stock $2 per 100, with fancy at $3. Toward Sunday white Carnations will be boosted in price considerably as the demand will be very great both for local and shipping orders on account of Mothers' Day. Many of the wholesalers are quoting whites for this occasion at from 4c. to 6c. each but this price, of course, holds only for a day or two preceding Sunday.

Lilies and Callas hold at about the same price, $12.50 to $15.00 per 100 being obtainable for them. Lily of the Valley is not quite so much in evidence as there have been few weddings; the price stands at from $3 to $4 per 100. Some good quality Iris in several colors are to be seen and are being used extensively for corsage bouquets. Sweet Peas still command favor and $2 remains the price for the fancy grades, and down to 75c. per 100.

Lilacs are very scarce, and are not likely to be in any greater abundance; prices, however, remain 35c. to 50c. per bunch. Mignonette is also scarce. Tulips are hardly seen, but Jonquils, indoor grown, are in quantity great enough for all requirements. Some good Snapdragons are available as also is much other miscellaneous stock.

Orchids are a little more plentiful than for two or three weeks past; the price remains about the same. Smilax is not in any greater quantity than is consumed.

Peonies have made their appearance from southern Illinois, the reds being most abundant and bringing 4c. each. The light colors and white are selling at from 6c. to 8c. according to quality. There are not enough flowers coming to quote definite prices on; and as yet the demand is very light.

INDIANAPOLIS, IND., May 2.—A more varied supply of flowers, brought on by warmer weather, enabled the florists to execute their orders with dispatch and satisfaction. Funeral work continues to be the chief source of trade although counter customers have been contributing freely. Weddings promise to be a feature this month as a number of them are booked. The bedding season, so long held in check, will begin this week. The supply is plentiful, but many growers are earnest in the statement of requesting at least ten per cent. more in this line for this season.

Both large and small Gladioli are being received and sell unusually well, 10c. and 5c. respectively is the wholesale figure on them.

Sweet Peas are a staple article, frequently called for at 50c. to 75c. wholesale and again as much at retail. The various shades are beautiful and, in the writer's opinion, have greatly improved in the last few years.

Harrisii Lilies and Callas, exceptional in quality, make beautiful casket arrangements at $3 to $4 per doz. to the public.

The surplus of Bridesmaid, Bride and Killarney Roses is being shipped away; $6 to $7 per 100 is obtained for the best. Fancy Richmond and Kaiserin Aug. Victoria are shipped in at $7 per 100. Am. Beauty are moving well at $5 to $35 per 100.

"Sleepy" Carnations were not a rarity during the warm spell and their growing treatment easily discernible. Prices had a downward tendency at $2 to $3 per 100.

Snapdragon, Candytuft, Feverfew, Forget-me-not, Pansies, Daisies, Mignonette, Heliotrope and Nasturtiums all helped to create attractive shop windows.

A few Hydrangeas; Calceolarias and Roses are about all that is offered in the plant line, except bedding stock. Trade in this department would be more remunerative were it possible to offer a choicer selection. I. B.

Growers Building

LEAVENWORTH, KANS.—The Sunnyside Floral Co. is building two houses, each 150 by 24 ft., for growing Roses.

GLOVERSVILLE, N. Y.—Thos. Barson is building an additional greenhouse 44 by 100 ft., of Lord & Burnham construction.

J. K. ALLEN
COMMISSION DEALER IN CUT FLOWERS
Established 1887 106 West 28th Street, New York (NEAR 6th AVENUE ELEVATED R. R.)
Consignments of all varieties of Cut Flowers solicited.
Returns made daily where requested.
Best prices. Prompt payments.
Telephones 167 and 4468 Madison Square
Open 6 o'clock every morning

Please mention the Exchange when writing.

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COOGAN BUILDING, NEW YORK
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Wholesale Commission Dealers in Cut Flowers and Supplies
162 LIVINGSTON STREET, BROOKLYN, N. Y.
GEORGE W. CRAWBUCK, Manager

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
110 West 28th Street
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Violets, Roses, Carnations, Orchids
Established 1888

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Greenhouses: FOREST HILL, N. J.
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PLANTSMEN & FLORISTS
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All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
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HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York.

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WHOLESALE FLORIST
55 & 57 West 26th St., New York
VIOLETS CARNATIONS AND ROSES
Shipping orders receive prompt attention
Telephone: 3864 Madison Square

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 and 133 West 28th Street, New York
and Cut Flower Exchange
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Consignments Solicited

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664--1665 MADISON SQUARE
ENOUGH SAID

PHILIP F. KESSLER Commission Dealer in Cut Flowers
Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
55 & 57 W. 26th St., New York City
FINEST CALLAS AND LILIES EVERY DAY IN THE YEAR
Tel. 5243 and 2921 Madison Square. Residence, 345 J. Newtown.

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, May 4th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—		CARNATIONS—	
A. Beauty fancy—special	12.00 to 20.00	Inferior grades, all colors	.75 to 1.00
" extra	8.00 to 10.00	Standard Varieties: White	1.00 to 1.50
" No. 1	6.00 to 8.00	Pinks	1.00 to 1.50
" No. 2	3.00 to 5.00	Red	1.00 to 1.50
" No. 3	2.00 to 3.00	Yel. & Var.	1.00 to 1.50
Killarney	.75 to 6.00	*Fancy (* The highest grades of Sta'd varieties): White	2.00 to 3.00
White Killarney	.75 to 6.00	Pinks	2.00 to 3.00
My Maryland	1.00 to 8.00	Red	2.00 to 3.00
Richmond	1.00 to 8.00	Yel. & Var.	2.00 to 3.00
Mme. Abel Chatenay	.... to	Novelties	.... to ....
Golden Gate	.... to	Gardenias, per doz.	.50 to 2.00
Bride, Maid, fancy—spec.	3.00 to 5.00	Lilacs, per bunch	.10 to .25
" extra	2.00 to 3.00	Lilies, Harrisii and Longi.	1.00 to 5.00
" No. 1	.75 to 1.00	Lily of the Valley	1.00 to 3.00
" No. 2	.... to	Mignonette, per doz.	.10 to .25
Adiantum	.... to 1.00	Narcissus	.50 to 1.00
Croweanum	.... to 1.00	Orchids, Cattleyas	40.00 to 50.00
Antirrhinum (per bunch)	.50 to 1.50	Cypripediums, per doz.	.... to ....
Asparagus, cut strings	.25 to .40	Dendrobium Formosum	.... to ....
Plumosus, bunches	.15 to .25	Pansies, per doz. bunches	.25 to .50
Sprengeri, bunches	.15 to .25	Poinsettias, per doz.	.... to ....
Bouvardia	.... to	Hyacinths	.50 to 1.00
Callas	4.00 to 8.00	Smilax (per doz. strings)	1.50 to 2.00
Daffodils	.50 to 2.00	Stevia, per bunch	.... to ....
Daisies	.50 to 1.50	Sweet Peas, per doz. bun.	.25 to .75
Ferns, per 1000	1.50 to 2.00	Tulips	1.00 to 2.00
	.... to	Violets, single	.... to ....
	.... to	" double	.... to ....

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 131 and 133 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1998 Madison Square JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE CUT FLOWERS AT WHOLESALE

New York

Between 8 and 9 o'clock on Thursday night, April 28, the stables, at 202 W. 76th st., of David Clarke's Sons, 2139 Broadway, were found to be on fire. A policeman who discovered the fire rang in an alarm, but the stables are somewhat back from the street and the fire had made such progress before it was discovered that the firm's four horses were burned to death and the harness and other stable equipments entirely destroyed. The efficient work of the fire department confined the fire to the stable only, and the wagons and automobile were not injured. The loss was at least partly covered by insurance.

Frank R. Pierson of Tarrytown says that he has given up his intention of building another greenhouse this Summer, on account of the high price of glass and the low prices of Roses.

It is reported that many of the smaller Violet growers in the Rhinebeck region will discontinue business; but on the other hand the larger growers will increase their ranges as soon as the price of glass permits.

Ford Bros., 48 West 28th st., have leased the entire building at 121 West 28th st. They will sublet the second and third stories, and occupy the ground floor and basement, commodious and convenient quarters. They expect to move to the new location on Friday of this week.

The Growers' Cut Flower Co. has moved into its new quarters at 41 West 28th st., where more floor space is available and a better equipment for the business possible.

A. L. Young, instead of occupying two stores as heretofore, will conduct his entire business at 54 West 28th st.

George Cotsonas & Co. will move June 1, as also will Kessler Bros., wholesale plantsmen, who occupy the floor above.

Sam Mainzer has given up his branch stand at the N. Y. Cut Flower Exchange.

C. C. Trepel, who has charge of the flower department of Loeser & Co., Brooklyn, has a new automobile touring car.

Alexander McConnell reports a good business in ornamental evergreens from his nursery.

Burns at 840 Sixth ave. reports that he is having an unusually heavy window box business.

At Kuhn's, 896 Sixth ave., some plants of the rather rare Vriesia splendens are to be seen. From the center of the fleshy green leaves with transverse bands of brown, rises a stiff scape surmounted by a spike of brilliant scarlet bracts within which are yellow flowers.

M. Schling, Central Park Flower Co., 980 Sixth ave., is showing some very large and fine specimens of Scottii Ferns.

Sunday, May 1, was the Greek "Anastisis" Sunday, or Easter Sunday. There are two eastern Orthodox Greek churches in New York, one on 73d st., between Lexington and Third ave., and the other on 30th st., between Eighth and Ninth aves. The floral decorations were profuse and very beautiful, several hundred dollars' worth of flowers being used at each church.

Thomas Young, Jr., in addition to the six houses of Gardenias which he is now growing, will plant Gardenias in four new houses, each 200 ft. long, Richmond and Killarney Roses in one new 500 ft. house, and Orchids in another of the same length, all now under erection.

Mrs. George Peters, mother of William Peters, who is connected with the New York Cut Flower Co., died at Hempstead, L. I., on Monday, and was buried on Wednesday of this week.

George T. Schuneman of Baldwin's, L. I., sails on Tuesday, May 10, on the S. S. Kaiser Wilhelm II, for Bremen. He expects to be absent six to eight weeks, and will visit Berlin, Brussels, Naples, Paris, London and other European cities. He is quite familiar with all the cities named, having worked in each while learning his trade.

Harry Weston of Hempstead has his usual stock of Dracæna indivisa for the window box and garden vase trade. The quality this year is especially fine.

J. B. Nugent, Jr., has his head somewhat bowed through a carbuncle on his neck. He expects, however to carve the beef at the Club meeting next Monday evening with his usual vigor.

Kessler Bros., 50 West 28th st., correct an item which appeared in this column last week, to the effect that they were offering plants of their new Fern. While they have one or two plants on exhibition in their store it will necessarily be some time yet before the stock will be offered for sale.

Headquarters in Western New York

For Roses, Carnations,

And all kinds of Seasonable Flowers

WM. F. KASTING CO.

Wholesale Commission Florists

Dealers in Florists' Supplies and Wire designs

383-87 Ellicott St., BUFFALO, N.Y.

Give us a trial—We can please you

Please mention the Exchange when writing.

Traendly & Schenck have moved into their new quarters, 131-133 West 28th st. and opened for business there last Monday morning. Walter F. Sheridan opened at the same time in his new quarters at the same address. Both stores are admirably adapted for the wholesale business. They are each about 100 ft. by 53 ft. with basements as large. Judging from the size of these stores it would require less than six such establishments to fill the proposed market quarters at Queensboro Bridge. This may set the advocates of a combined flower and plant market at Queensboro bridge thinking.

When the scaffolding and rubbish resulting from the tunnel boring are cleared away from the crossing at West 28th st. and Sixth ave. it will no doubt be discovered that the establishment of J. K. Allen is the first wholesale florist's store in the "new" block.

The May meeting of the New York Florists' Club will be held on Monday evening next, May 9, at the Club rooms in the Grand Opera House Building, 23d st. and Eighth ave., at 7.30 p.m. A feature of the evening will be an address by Prof. John Craig of Cornell University, on "Some Phases of Experimental Work in Relation to Horticulture." Chairman Nugent of the entertainment committee will cater as usual.

St. Paul, Minn.

While the recent cold wave was disastrous to all vegetation in this section, the florists did not suffer great losses. Carnations and other field stock were not planted out and the damage to Peonies was slight. The killing of all outside flowers that were in bud ought to be a stimulus to trade in general.

To nurserymen and landscape planters the cold was beneficial in retarding stock and prolonging the planting season. The worst feature of this extraordinary Spring is the intense, prolonged drought. A quarter-inch of moisture has not fallen in two months, and all vegetation suffers.

The opening of the new Hotel St. Paul and the necessary festivities connected with it, called for quite a lavish use of flowers. For the opening night 6000 American Beauty Roses and several hundred Palms, Ferns and Bay trees were used. Social functions of the smart set since have created quite a demand for flowers.

The preliminary premium list for the Fall flower show to be held in Minneapolis under the auspices of the State Florist Association has been issued and offers some very attractive prizes in the different classes. As these premiums are backed up by a $15,000 guarantee fund, subscribed in Minneapolis, it offers unusual inducements to prospective exhibitors.

The Minnesota State Fair Association also offers some attractive premiums for exhibitors this year, so that ambitious growers and decorators have good opportunities to earn some "pin money" and free advertising from these sources.

The State Fair Association is asking for bids on about 25,000 bedding plants for decorating the grounds this season.

Holm & Olson, Inc., are erecting eight new houses; they are also increasing their nursery plantings and have engaged the services of Mr. Smith, a competent landscape artist from the East.

O. J. Olson has the sympathy of the trade in the death of his mother, she having been accidentally drowned in Phalen Creek.

Reports from Otto Will, a prominent member of the trade in Minneapolis, who went to California a year ago to recuperate his health, are very encouraging, and we hope to see him in the Twin Cities in the near future. VERITAS.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Apr. 30, 1910	Pittsburgh May 3, 1910	NAMES AND VARIETIES	Boston May 8, 1910	Detroit May 2, 1910	Cincinnati May 2, 1910
to 35.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	20.00 to 30.00	20.00 to 25.00	to 25.00
20.00 to 25.00	12.50 to 15.00	" extra	15.00 to 20.00	16.00 to 20.00	to
12.50 to 18.00	6.00 to 10.00	" No. 1	10.00 to 15.00	12.00 to 16.00	to
4.00 to 8.00	2.00 to 4.00	" No. 2	2.00 to 8.00	4.00 to 10.00	to
to	4.00 to 15.00	Killarney	4.00 to 8.00	to	2.00 to 6.00
to	4.00 to 15.00	White Killarney	4.00 to 8.00	to	2.00 to 6.00
to	3.00 to 10.00	My Maryland	4.00 to 8.00	4.00 to 10.00	4.00 to 6.00
4.00 to 8.00	4.00 to 12.00	Richmond	4.00 to 8.00	4.00 to 10.00	4.00 to 8.00
4.00 to 6.00	to	Perle	to	to	to
to	to	Golden Gate	to	to	to
4.00 to 8.00	2.00 to 10.00	K. A. Victoria	to	4.00 to 10.00	to
to 8.00	8.00 to 10.00	Bridesmaid, fancy—special	to 8.00	8.00 to 10.00	to 4.00
to 6.00	to 6.00	" extra	to	8.00 to 8.00	to
to 4.00	to 4.00	" No. 1	to	4.00 to 6.00	to
to 2.00	to 2.00	" No. 2	to 4.00	3.00 to 4.00	to 2.00
to 1.00	.75 to 1.25	Adiantum	to 1.00	1.00 to 1.50	to
to	to	Antirrhinum, (per bunch)	to	to	to
to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	to 50.00	30.00 to 60.00	to 10.00
to 30.00	20.00 to 30.00	" Sprengeri, bunches	to 50.00	30.00 to 50.00	to
to	to	Bouvardia	to	to	to
to 12.50	to 10.00	Callas	to	12.50 to 15.00	to 6.00
to	to	Chrysanthemums	to	to	to
to	1.50 to 2.00	Carnations—Inferior grades, all colors	to	to	to 2.00
to 2.00	3.00 to 5.00	Standard Varieties: White	1.00 to 3.00	1.50 to 2.00	to
to 2.00	to	Standard Varieties: Pink	1.00 to 3.00	1.50 to 2.00	to
to 2.00	to	Standard Varieties: Red	1.00 to 3.00	2.00 to 3.00	to
to 2.00	to	Standard Varieties: Yellow and var.	to	to	to
3.00 to 4.00	6.00 to 8.00	*Fancy (*The highest grades of std'd vars.): White	1.00 to 3.00	2.00 to 3.00	to 3.00
3.00 to 4.00	to 5.00	*Fancy: Pink	1.00 to 3.00	2.00 to 3.00	to
3.00 to 4.00	to 5.00	*Fancy: Red	1.00 to 3.00	3.00 to 4.00	to
3.00 to 4.00	to 5.00	*Fancy: Yellow and var.	to	to	to
to	1.00 to 1.50	Daffodils	1.00 to 2.00	to 3.00	to
to .60	.75 to 2.00	Daisies	to	to	to .50
to .25	to .20	Ferns, hardy	to	to .20	to
to	to	Freesia	to	.50 to .75	to .20
to .20	to .12	Galax, green and bronze	to	to .12	to
to	to	Gardenias, per doz.	8.00 to 12.00	to	to
to 12.50	6.00 to 10.00	Lilac, (per bunch)	to	to	to
to 3.00	2.00 to 4.00	Lilies, Harrisii and Longi	4.00 to 8.00	12.50 to 15.00	to
to	1.00 to 4.00	Lily of the Valley	1.00 to 3.00	3.00 to 4.00	to
to	.50 to 1.50	Mignonette	1.50 to 4.00	3.00 to 6.00	to
to	to 75.00	Narcissus	1.00 to 2.00	to	to
to	to	Orchids—Cattleyas	40.00 to 50.00	to	to
to	to	Cypripediums	to	to	to
to	to	Dendrobium Formosum	to	to	to
to	.25 to 1.00	Pansies, per doz. bunches	to	to	to
to	to	Romen Hyacinths	to	to	to
to 1.50	to 2.00	Smilax, (per doz. strings)	to	to 1.50	to
to	to	Stevia, per bunch	to	to	to
to .50	.50 to 1.00	Sweet Peas	.25 to 1.00	.60 to .75	.35 to .50
to	to	Tulips	1.00 to 2.00	to 3.00	to
to	to	Violets, single	to	to	to
to	to	" double	to	to	to
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.

SPECIALTIES

CATTLEYAS

GARDENIAS

AMERICAN BEAUTIES

LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

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E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. CINCINNATI, O.

All Cut Flowers in Season

I Sell Heller Bros. Roses

I Manufacture Wire Work

Illustrated Catalogue for the asking.

Get your order in now for

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The Best—The Strongest—The Cheapest

Green Sheet Moss, $1.00 per Bundle

Sphagnum Moss, $1.00 per Bale

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GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE

2-8 Duane Street, New York

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

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Milwaukee, Wis.

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The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania florists

937 Liberty Ave., PITTSBURGH, PA.

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HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee St., MILWAUKEE, WIS.

'Phone, Main 874. P. O. Box 103.

Please mention the Exchange when writing.

Philadelphia

The following florists have visited Philadelphia recently: Arthur Kleinhaus, Easton, Pa.; John Sykes, Allentown, Pa.; William Kern, Reading, Pa.; Thomas R. Fries, Lancaster, Pa.; Fred G. Burger, Baltimore, Md.; John Lealman, Vineland, N. J.; and William H. Calanese, Norristown, Pa.

The S. S. Pennock-Meehan Co. is now receiving, in addition to the usual staple goods, Tamarix, Viburnums, and some early Festiva Maxima and other Peonies from the South. William J. Moore, manager of the Washington branch of the company, is still confined to the hospital with a serious foot trouble, and Alfred Jones of the Philadelphia branch is in Washington taking Mr. Moore's place.

Charles E. Meehan is beginning, at Churchville, Pa., to plant out own root Killarney Roses in his new 300′ by 50′ greenhouse as fast as the Sweet Peas are removed which he has been growing this Winter, the house not being finished till late in Autumn. He is using solid beds and steam heat.

Myers & Samtman of Wyndmoor will use their large new greenhouse for growing American Beauty Roses.

This is circus week in Philadelphia and it is the general consensus of opinion that there is consequently a smaller demand for flowers.

The American Rose Society is endeavoring, through letters sent to interested parties, to ascertain "How many dollars' worth of Roses" were sold in this country last year.

The Robert Craig Co. has just filled two entire houses with Areca lutescens in 7″ pots. These Palms are in the pink of condition and will be grown on for Autumn trade. Large numbers of Nephrolepis Scottii, Scholzeli and todeaoides are noted here in the larger sizes. The last named variety Mr. Craig considers among the best.

Charles P. Poryzees, corner of 15th and Chestnut sts., sailed for Europe on Tuesday, where he will remain for four months.

H. H. Battles is cutting some nice Tamarix at his Thornhedge Nursery, Newtown Square.

Martin D. Matthews was in town this week marketing Gardenias from the range of Thomas Young, Jr., at Bound Brook, N. J.

Charles E. Meehan of Pennock-Meehan Co. took a business trip this week to Washington, D. C., and Richmond, Va.

Adolf Muller, Norristown, Pa., has sold his forty-acre nursery, together with the greenhouses and all buildings thereon to Alexander Cumming, Hartford, Conn., who will conduct a general nursery and tree surgery business. His friends welcome him back to the Keystone State, and wish him all success.

Boston

Arthur F. Coolidge of Cambridge is one of the largest growers of bedding plants in this section and he is located very near to Cambridge and Mount Auburn cemeteries, where a good deal of his product is used. He is shipping now to 2 Park st. some well grown Geraniums which are picked up quickly. He also has a team with bedding plants daily, at this season, standing outside of Faneuil Hall Market, where he disposes of large quantities. Other plants of which he has a large stock are Heliotrope, Coleus and Fuchsias. In Winter he grows Violets, and in the Fall Chrysanthemums are his chief crop.

John W. Foote of Reading, Mass., has had good success with his Carnations this season. He is cutting very fine flowers of the following kinds: Beacon, Fair Maid and Lawson; most of them are disposed of at 2 Park st.

William Ward of Woburn is to increase his glass this Summer. He is going to build a greenhouse 150 ft. x 30 ft.; the glass is ordered.

William H. Elliott of Brighton is shipping from his Madbury (N. H.) establishment the following Roses which are of fine quality: Rhea Reid, Bon Silene, Safrano, Beacon Hill and Mrs. Aaron Ward. At the Brighton greenhouses they are cutting some very fine strings of Asparagus plumosus, and Sprengeri is also good. The Summer Roses at Brighton are looking well under the skilful hands of George Harbison and they promise a bountiful crop. The Summer varieties are: Kaiserin, Maryland, Killarney, Rhea Reid and American Beauty.

William Sim of Cliftondale has got settled comfortably in his new residence and Allan Sim, his brother and manager,

My Maryland

as a pink rose for warm weather has rather more color and substance than some of the other pinks, although we are still strong on not only **Maryland** but **Killarney** and **Jardine** too, splendid quality.

BEAUTIES, a leader with us, the best coming to the Philadelphia market. Special prices in quantity.

CARNATIONS, per 100, special $3.00 and $4.00, fancy $2.00 and $3.00, first $1.50.

A box of five hundred or more of our best quality Carnations, our selection as to color, but a splendid assortment of the best grades, $2.00 per 100.

GARDENIAS, per doz., special $3.00, fancy $2.00, first $1.50.

VALLEY, per 100, special $4.00, extra $3.00, No. 1 $2.00, few extra specials $5.00.

SWEET PEAS, long and medium, 75c. per 100.

SWEET PEAS, extra long, $1.00 per 100.

DAISIES (White), 50c. and 75c. per 100.

DAISIES (Yellow), $1.50 per 100. In lots of 500 or more at $1.00 per 100.

AMERICAN BEAUTIES, per doz., special $3.00, fancy $2.50, extra $2.00, first $1.50, second $1.00.

RICHMOND, per 100, special $15.00, extra $10.00, first $6.00, second $4.00.

JARDINES, per 100, special $15.00, fancy $12.00, extra $8.00, first $6.00, second $4.00.

MARYLAND, 2-KILLARNEYS, KAISERINS and **BRIDES,** special $10.00, extra $8.00, first $6.00, second $3.00.

ROSE SPECIAL NO. 1, special grade **Maryland, Richmond, Kaiserin, Bride** and the two **Killarneys,** our selection as to color, in lots of 200 or more, $6.00 per 100. This is our very finest long-stemmed stock.

ROSE SPECIAL NO. 2, good flowers, medium stems, in lots of 200 or more, our selection, $3.00 per 100.

Ribbons, some of the choicest novelties, exclusive patterns, an endless variety to choose from.

Supplies of all kinds. **Catalogue on request.**

1608 to 1620 Ludlow St., PHILADELPHIA, PA. **S. S. PENNOCK-MEEHAN CO.,** **1212 New York Ave., WASHINGTON, D. C.**

THE WHOLESALE FLORISTS OF PHILADELPHIA AND WASHINGTON. Stores close at 6 P. M.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore May 2, 1910	Buffalo May 3, 1910	NAMES AND VARIETIES	Phil'delphia May 2, 1910	St. Louis May 2, 1910	
15.00 to 20.00	20.00 to 25.00	**Roses**—A. Beauty, fancy—special	15.00 to 20.00	to 20.00	
10.00 to 15.00	15.00 to 20.00	" extra	10.00 to 15.00	10.00 to 15.00	
8.00 to 10.00	8.00 to 10.00	" No. 1	8.00 to 10.00	6.00 to 8.00	
4.00 to 6.00	2.00 to 4.00	" No. 2	4.00 to 6.00	2.00 to 4.00	
2.00 to 8.00	3.00 to 10.00	Killarney	2.00 to 10.00	3.00 to 6.00	
2.00 to 8.00	3.00 to 10.00	White Killarney	2.00 to 10.00	3.00 to 6.00	
2.00 to 10.00	3.00 to 10.00	My Maryland	2.00 to 10.00	3.00 to 6.00	
3.00 to 10.00	3.00 to 10.00	Richmond	3.00 to 16.00	3.00 to 6.00	
3.00 to 6.00	to	Perle	3.00 to 8.00	2.00 to 4.00	
4.00 to 10.00	to	Golden Gate	2.00 to 15.00	to	
3.00 to 8.00	to	K. A. Victoria	3.00 to 10.00	to	
6.00 to 10.00	to 8.00	Bride, Maid, fancy—special	to 10.00	4.00 to 6.00	
to 8.00	6.00 to 8.00	" extra	to 6.00	2.00 to 3.00	
3.00 to 4.00	4.00 to 6.00	" No. 1	3.00 to 4.00	to	
1.00 to 3.00	2.00 to 4.00	" No. 2	2.00 to 3.00	to	
to 1.00	1.25 to 1.50	**Adiantum**	1.00 to 1.50	to 1.50	
to	to	**Antirrhinum** (per bunch)	to	to	
20.00 to 35.00	to	**Asparagus,** Plumosus, bunches	35.00 to 60.00	30 to	
20.00 to 35.00	to	" Sprengeri, bunches	35.00 to 60.00	25.00 to 50.00	
to	to	**Bouvardia**	to	to	
6.00 to 10.00	to 8.00	**Callas**	6.00 to 10.00	8.00 to 10.00	
to	to	**Chrysanthemums**	to	to	
1.00 to 1.50	1.50 to 2.00	**Carnations**—Inferior grades, all colors	1.00 to 1.50	1.00 to 1.50	
2.00 to 3.00	1.50 to 2.00	Standard Varieties: White	2.00 to 2.50	1.00 to 1.50	
to 2.00	1.50 to 2.00	Standard Varieties: Pink	2.00 to 2.50	1.00 to 1.50	
to 2.00	1.50 to 2.00	Standard Varieties: Red	2.00 to 2.50	1.00 to 1.50	
to 2.00	to	Standard Varieties: Yellow and var	2.00 to 2.50	1.00 to 1.50	
to 2.50	2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	2.50 to 3.00	2.50 to 3.00	
to 2.50	2.50 to 3.00	*Fancy: Pink	2.50 to 3.00	2.00 to 2.50	
to 2.50	2.50 to 3.00	*Fancy: Red	2.50 to 3.00	2.00 to 2.50	
to 2.50	2.50 to 3.00	*Fancy: Yellow and var	2.50 to 3.00	to	
1.00 to 2.00	1.00 to 2.00	**Daffodils**	to	to	
.50 to 1.50	1.00 to 2.00	**Daisies**	1.00 to 1.50	to	
.10 to .15	to .20	**Ferns,** hardy	.10 to .20	to	
to	to	**Freesia**	to	to	
to .10	to .15	**Galax,** green and bronze	to .10	to	
.50 to 2.00	1.80 to 3.00	**Gardenias,** per doz	.50 to 3.00	to	
.10 to .25	to	**Lilac,** per bunch	to 60	to	
4.00 to 8.00	10.00 to 12.50	**Lilies,** Harrisii and Longi	4.00 to 10.00	8.00 to 10.00	
1.00 to 3.00	3.00 to 4.00	**Lily of the Valley**	2.00 to 5.00	3.00 to 4.00	
2.00 to 8.00	1.00 to 3.00	**Mignonette**	1.00 to 2.00	to	
to	.50 to 1.50	**Narcissus**	2.00 to 3.00	to	
40.00 to 50.00	to	**Orchids**—Cattleyas	60.00 to 75.00	to	
to	to	Cypripediums	to	to	
to	to	Dendrobium Formosum	to	to	
to	.20 to .50	**Pansies,** per doz. bunches	to 1.00	to	
to	to	**Roman Hyacinths**	to	to	
1.00 to 1.50	to 1.50	**Smilax,** (per doz. strings)	2.50 to 3.00	1.25 to 1.50	
to	to	**Stevia,** per bunch	to	to	
.40 to .75	.60 to 1.00	**Sweet Peas**	.40 to 1.00	.20 to .50	
1.00 to 2.00	1.00 to 3.00	**Tulips**	2.00 to 8.00	to	
to	to	**Violets,** single	to	to	
to	to	" double	to	to	
to	to		to	to	
to	to		to	to	
to	to		to	to	

WE ARE NOW BOOKING ORDERS FOR

BEGONIA LORRAINE
BEGONIA LORRAINE LONSDALE
BEGONIA AGATHA

JUNE DELIVERY

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be **twice shifted.** Orders filled in rotation. 2½-in. pots, $15.00 per 100, $140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

BEAUTIES The Best, $3.00 per dozen.

Pink and White Killarney, Maryland, Kaiserin and Richmond

Fine stock at $8.00 to $10.00 per 100. Good value at $5.00 to $6.00 per 100. Some extra long Richmond and Maryland $12.00 per 100.

PEONIES
$6.00 and $8.00 per 100.
Fancies $10.00 per 100.

DAISIES
White—$1.00 per 100.
Yellow—$1.50 per 100.

New Crop Dagger Ferns
$2.50 per 1000. Best quality in the Market.

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA
Open from 7 A.M. to 8 P.M.

EDWARD REID
Wholesale Florist

Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

now occupies the old residence. Sweet Peas are about all gone and a fine house of Snapdragon will be ready for cutting in about a week.

The Spanish Irises and the Blushing Bride Gladioli from the Willow Hill greenhouses, West Roxbury, are as good as any coming to the market and are quickly disposed of at good prices.

W. S. Nichol of Barrington, R. I., is shipping at the present time some very good Carnations of various kinds; these are distributed at 2 Park st.

The finest and best colored Snapdragon we have seen this season is coming from Walke & Son of Salem. They certainly have a fine variety of this showy flower, and it has such a pleasing shade of color.

Donald Carmichael has a neat and prosperous place at Wellesley, where he grows mostly Carnations. He is cutting some very good Enchantress, Beacon and Fair Maid.

The finest and best grown Carnations that are coming to market are from John Barr of South Natick, Mass. The following kinds are worthy of special mention for their superior cultivation: Winsor, Lawson, Harry Fenn and Queen.

D. Haragon of East Foxboro is cutting some very good Spanish Irises, handled at 2 Park st. by J. M. Cohen.

The stock which J. W. Simpson of Woburn is shipping to 2 Park st. consists of Marguerites, Carnations and Stocks, all of good quality.

Adiantum and Smilax are the principal stocks which F. A. Cox of Dorchester is cutting and disposing of, and which are all right as to quality. He has also a house of Hydrangeas of nicely grown plants for Decoration Day.

Mrs. E. M. Gill of Medford is shipping some well grown Calceolarias, in pots, of the shrubby variety. They are neat, well flowered and well grown plants.

Thomas Roland of Nahant is sending in Calceolarias which are quickly picked up by customers at retail stores.

George H. Bean of West Medford, Mass., goes in heavily for bedding plants of which he grows about 40,000. Of Geraniums he handles about 14,000, the principal varieties being S. A. Nutt, Alphonse Ricard, Beauté Poitevine and, for white, Mme. Buchner. He raises also a goodly stock of Fuchsias, Heliotrope and

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Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

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CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

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HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2795

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"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

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Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

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Wietor Bros.

Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

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ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

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All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, May 3, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	3.00 to 4.00
30-inch stems.. "	.... to 3.00
24-inch stems.. "	2.50 to 3.00
20-inch stems.. "	.... to 2.00
18-inch stems.. "	.... to 1.50
12-inch stems.. "	.... to 1.00
8-in. stems and shorts "	.... to .75
Killarney	4.00 to 6.00
" extra	.... to 8.00
White Killarney	.... to 8.00
Richmond	6.00 to 8.00
My Maryland	5.00 to 8.00
Bride, Maid, fancy special	5.00 to 7.00
" extra	5.00 to 6.00
" No. 1	.... to 3.00
" No. 2	.... to 2.00
Perle	5.00 to 6.00
Chatenay	4.00 to 6.00
Kaiserin	5.00 to 7.00
Uncle John	.... to 6.00
Mrs. Marshall Field	.... to 6.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .76
Calla Lily	12.50 to 15.00
Chrysanthemums, doz.	.... to ....
" fancy doz.	.... to ....
Daisies	.75 to 1.00
Daffodils	2.00 to 3.00
	.... to ....

CARNATIONS		
Standard Varieties	White	2.00 to 2.50
	Pink	2.00 to 2.50
	Red	2.00 to 2.50
	Yel. and Var.	.... to ....
*Fancy grades of Sta'd varieties	White	2.50 to 3.00
	Pink	2.50 to 3.00
	Red	2.50 to 3.00
	Yel. and Var.	.... to ....
Ferns, hardy, per 1000		.... to 2.50
Galax (green)		.... to 1.00
" (bronze)		.... to 1.25
Gardenias		25.00 to 35.00
Iris		4.00 to 6.00
Lilac, per bunch		.35 to .50
Lilies, Harrisii and Longi.		12.00 to 15.00
Lily of the Valley		3.00 to 4.00
Mexican Ivy		.... to 1.00
Mignonette		4.00 to 6.00
Narcissus—Paper White		.... to ....
Orchids—Cattleyas		50.00 to 60.00
" Cypripediums		15.00 to 20.00
Pansies		.... to .75
Smilax		12.00 to 15.00
Sweet Peas		.75 to 2.00
Tulips		.... to 3.00
Violets, single		.... to ....
" double		.... to ....
		.... to ....
		.... to ....
		.... to ....
		.... to ....

* The highest

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

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VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

other popular bedding plants. He grows 15,000 single stem Chrysanthemums for Fall flowers, also Violets during part of the Winter. He has two houses of Carnations.

Leach & Son of North Easton are cutting some good Spanish Irises; they have a seedling Carnation, the color of Enchantress, which they are cutting from and shipping at the present time.

John MacFarlane of North Easton is still cutting some very good Gardenias and his Lily of the Valley continues to be in fine quality.

Andrew J. Petersen, who has been a student of the G. and F. Club Landscape Class for the past two Winters, has resigned his position with A. M. Davenport, florist, Watertown, Mass., and has started business as a landscape gardener at South Lincoln, Mass. He is a steady, studious young man, with a thorough knowledge of plants, and ought to build up a good business. R. C.

Chicago

The weather in the past week has been typical of April, very little sunshine, and supplies in general have been somewhat reduced. The damage done by the recent freezing storms is not quite so bad as was at first reported. It is found that in many localities through the State Peonies escaped damage and some fairly good flowers are being received from Cairo and some of the southern points. While Peonies will not be as abundant this year as in previous seasons it is hoped that later enough will arrive to supply all demands. The crop in the immediate vicinity of Chicago is still an uncertainty; it is not known whether it is a total loss or not, and it is hoped that the buds that were not matured may have escaped the blast that those visible were subjected to.

The weather is very variable and is having a decided effect on inside crops. Many Carnations are arriving spotted and off color, due to the sudden rise and fall of temperature.

Mothers' Day, which has been proclaimed for May 8, may find a shortage in the white Carnation supply, as numbers of orders are being received in the Chicago market from many shipping points for large quantities for this occasion, and probably many of these orders cannot be filled.

All arrangements have been completed for the auto floral parade. Owing to the supply of outdoor flowers being cut off, the decorations have been divided into two classes, one for natural flowers, the other for artificial. At present writing the only florist who has signified an intention of entering the contest is the Fleischman Floral Co.

The auto parade officials this week called for something out of the ordinary in the line of designs. The A. L. Randall Co. supplied several wire designs, among them being a ball 8 ft. in diameter with a bat extending through it 5 ft. each way, surmounted with a cub holding a pair of white socks; a 10-ft. screaming eagle; a swan the length of an electric vehicle; nine butterflies; and a fac-simile of the Vanderbilt Cup, 8 ft. high. It was the intention to have most of this work made up with natural flowers, but owing to the uncertainty of the weather it was decided to have them executed in artificial flowers in case the parade might be postponed. The work will be done by the Botanical Decorating Co.

Paul Rycerski, 28 years old, a florist of Hinsdale, Ill., is under arrest for shooting Dr. Wm. Sammis, of 3503 Beach ave., one of the officials of the Dr. Joseph Lister Co. mail order house. Rycerski declares he had not received fair treatment in a transaction with the concern, and some time ago was assaulted by Dr. Sammis and ejected from his office, when he demanded the return of $24 he had paid for medicine. Rycerski waited on Saturday, April 30, on the stairway of the elevated station at Fifth ave. and Randolph st., and when Doctor Sammis appeared drew a small revolver and fired three shots; two bullets struck the doctor in the left arm and one in the back. He was taken to the hospital where the physicians say he will recover.

Frank Lonergan, brother of Jack Lonergan, employed by the Winterson Seed Store, was fatally injured on Friday, April 29, by being crushed by an elevated train at the Ogden ave. station. He was taken to the Presbyterian Hospital, but died on the operating table. The funeral was held Monday morning from his mother's residence, 2933 West Polk st. Deceased was 28 years old.

Word was received in Chicago on Monday of the death of Charles Trainer in Florida. Mr. Trainer was an old time florist of South Bend, Ind., and was known as a member of the firm of Trainer & Reddick. The body will be shipped to South Bend and the funeral will be held at his late home on Saturday morning, May 7.

Ed. Hauswirth has sub-let his remaining five years' lease of his flower shop in the Congress Hotel to the art dealers occupying the adjoining store, and will go to his farm at Twin Lakes, Wis., where he will engage in the chicken raising business. As Mr. Hauswirth has been very desirous of engaging in farm life for some time, the opportunity was hailed with delight.

There is an opportunity for a florist to locate in the tea room of the Congress Hotel and this should present a chance for a profitable business. The privilege will be rented to the highest bidder. It is understood there are several of our florists anxious to secure the stand.

The sale of the fixtures and stock of the store lately occupied by Rudolph Jahn, under the name of the Butler Floral Co., at 294 Dearborn st., took place April 25. Fair prices were realized on all the goods sold.

The old Hildreth store, 3030 Indiana ave., which has been occupied for some time past by J. B. Opitz, has been vacated, as he found he needed all his time to devote to his store on Cottage Grove ave. and 37th st.

Charles McKellar, who has been on the sick list, is again able to attend to business. He plainly shows the effect of his recent illness.

Tim Matchen, of Peter Reinberg's, says the number of orders from long distances pouring in for white Carnations for Mothers' Day is astonishing.

Peter Reinberg has a new auto, which arrived at his home last Saturday. It is certainly a winner.

Hoerber Brothers have been compelled to postpone the building of their new greenhouses owing to the prolonged stormy weather.

The old foundry of the Geo. M. Garland Co., Des Plaines, Ill., was totally destroyed by fire last week. As they had almost abandoned the use of same since the erection of the new plant they were but little inconvenienced by the occurrence.

Fred Strail says he would like to have a chance at decorating for the auto parade. He decorated the auto that won first prize in the last auto parade in Chicago, and would like to see if he could again be successful.

At Kreitling's on Saturday was noticed a beautiful funeral design in the shape of an open book with book mark. It was well done in Carnations, Roses and Lily of the Valley.

Friedman is showing a display of Calceolarias in his windows, as good as have been seen this season. On the whole very few of these plants have proved really satisfactory with growers this year.

Mangel says he is using quantities of American Beauty Roses in his decorations in the Palm room of the Blackstone Hotel. He finds nothing equals them in effectiveness.

Quantities of flowers were used for the funeral, on Sunday, of Mrs. Tuthill, wife of Judge Tuthill. Many retailers came in for a share of the work.

H. E. Philpott arrived in the city on Thursday and was present at the club meeting in the evening.

D. D. Johnson expects to take a trip through Michigan the coming week, in the interests of the Evergreen Brand Fertilizer.

Wm. Homburg, who has been with the J. B. Deamud Co. for some time past, is now with the J. A. Budlong Est. for a short time. He will later be associated with Kidwell Bros., 38th st. and Wentworth ave.

Harry Rowe says that Harry, Jr., is doing fine.

Visitors: A. L. Glaser, Des Moines, Ia.; W. A. Reiman, Vincennes, Ind.

J. J. Saunders of 49th st. and Cottage Grove ave. will start at once to enlarge and improve his store.

It is stated that one of our oldest as well as most popular wholesalers in town has to some of his personal friends, announced his engagement.

The Horticultural Society is still debating where the flower show the coming Fall shall be held.

Bowling

The following will roll each Friday evening until July 26, when the S. A. F. convention team is to be decided:

L. Vaughan, T. Pasternich, F. Krauss and Capt. T. C. Yarnall.

J. Huebner, E. Winterson, Wm. Wolf and Capt. Geo. Asmus.

F. Lieberman, E. Farley, T. Vogel and Capt. V. Bergman.

A. Wieczorowski, Wm. Graff, Otto Goeriesh and Capt. E. Johnson.

THE FLORISTS' EXCHANGE

The Florists' Exchange is exclusively a Trade Paper. Prices at which stock is offered in these columns are intended for the Trade only.

KILMDEAD
The best of all the tobacco dusts for Dusting or Fumigating
25 lbs., $1.00 100 lbs., $ 3.00 1000 lbs., $27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., 52.50
Stumpp & Walter Co. 50 Barclay St., New York.
Please mention the Exchange when writing.

Tobacco Paper is the STRONGEST, BEST PACKED, EASIEST APPLIED
24 sheets . . . $0.75
144 sheets . . . 3.50
288 sheets . . . 6.50
1728 sheets . . . 35.10

"NICO-FUME" LIQUID
Furnishes the Most Nicotine for the Money!
Mfgd. by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Over 40% Nicotine By far the CHEAPEST.
Just Note Prices!
Pint $1.50
½ Gallon 5.50
Gallon 10.50
5 Gallons 47.25
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The Best BUG KILLER AND BLOOM SAVER
For PROOF Write to
P. R. PALETHORPE CO.
Owensboro, Ky.
Please mention the Exchange when writing.

"THE EVERGREEN BRAND FLOWER FERTILIZER"
is pure plant food, immediately available. It permanently enriches the soil. It prevents the onslaughts of plant disease, or insects and pests. Can be used at any time during the growing season, dry or in solution.
Put up in 12 pound cans. Price $2.00
For sale by leading jobbers. For further information, address
D. D. JOHNSON COMPANY, 66 Wabash Avenue CHICAGO, ILL.
Please mention the Exchange when writing.

Green Flies and Black ones too
are easy to kill with
The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.
Please mention the Exchange when writing.

Strokum Stops Caterpillars Anyone Can Put It On
SIMPLY band it around your trees. No need to cut bark down smooth before applying, as Strokum fills up the bark chinks, and the caterpillars or tussock moths can't crawl under it, and won't crawl over it.
The second crop will soon be going up the trunks, now is the time to put on Strokum. It lasts an entire season, but does not stick to the bark all winter as do the unsightly smeared-on tar preparations.
Does not dry up as does fly paper. Is not carried off by the birds as is cotton.
Strokum is a purely vegetable product that we guarantee to be perfectly harmless.
Send $3.00 at once for a sample package of 15 pounds, which is enough to band fifteen trees three feet around. Delivered free anywhere East of the Mississippi; 50c. extra West of it.
Send for our illustrated booklet.

George Stratford Oakum Co.
165 Cornelison Avenue, Jersey City, N. J.
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The Mastin Automatic Whitewash and Spraying Machine Is Reliable, Practical and Durable

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.
Write for Catalog, and details; to Department C.
Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.
J. G. MASTIN & CO.
3124 West Lake Street
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Cattle Manure in Bags
Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.
Pulverized Sheep Manure
Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.
The Pulverized Manure Company
34 Union Stock Yards Chicago

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Worcester, Mass.

During the past week, with the final exclusion of bulbous stock and the last end of the Violet trade, the wholesale and retail dealers find themselves busy supplying the stores and windows with some of the hardier varieties of flowers, English Daisies, Sweet Peas and Pansies are at present the best sellers. Owing to the unusual number of small outside dealers handling Pansies, the larger dealers have been injured considerably. Carnations are still selling well. Retailers report that in addition to the large demand for cut flowers they have had an extra amount of work in the funeral line.

Mackie's greenhouses are filled with bedding plants, which will be just right for Decoration Day. A number of Chrysanthemums will be planted on the removal of the bedding plant. Mr. Mackie finds that with the increase of his business he is obliged to buy from others and is now contemplating plans for a new greenhouse.

Mr. A. W. Hixon of Gates Lane has been extremely busy during the past week, for in addition to his funeral work and regular retail trade, he has been busy decorating the Hermitage Country Club for its opening. He, too, has his houses mostly filled with bedding plants and Carnations, both of which are looking very well. Mr. Hixon's Tomato and Cabbage plants, which he raises for himself and for market trade, are of a very good quality and he is expecting a successful season.

Herman J. Snyder, located near Hope Cemetery, is extremely busy caring for his plants for Decoration Day. Mr. Snyder's location is a desirable one, and he is planning a very successful season. Besides his usual number of bedding plants he has a larger quantity of Asters on the shelves at sides of the houses.

Fred E. Keyes, on Highland st., who caters mostly to retail trade, reports that his business has been unusually brisk of late. His stock of Violets was readily disposed of and he could have sold more. Mr. Keyes has had a misfortune with his Carnations this year, cut worms injuring his planting to such an extent that they were replaced by Violets and bedding plants. After the disposal of his Geraniums he is planning to follow them with Chrysanthemums.

Mr. Frank Sokol, on College st., who has been doing considerable wholesale trade for some time, is very busy caring for his 20,000 Geraniums and other bedding plants. In spite of the fact that he has only a few men to assist him he has kept his stock in good condition. He is now supplying many of the up-town dealers with plants.

H. F. Littlefield is doing an extensive business. Mr. Littlefield's two stores, during the past few days have been artistically decorated with different designs of May baskets, which have attracted a good deal of attention. He reports that Daisies, Sweet Peas and Carnations are selling well at present. He has an exceedingly good quality of Carnations this year and he is having difficulty in meeting the large demand.

Lindstrom & Nyberg, on Main st., who were established last June, have only about 5000 ft. of glass, so are obliged to purchase many of their flowers. They find that American Beauty Roses do not sell very well, while Daisies and Sweet Peas find a good market. They have a large number of Asters and Pansies.

F. B. Madaus, of 372 Main st., reports that his business is very good at present. Funeral work is his specialty.

The Horticultural Society is now holding weekly exhibitions at Horticultural Hall, on Thursday afternoons. It is expected that each succeeding exhibition will be of higher order from now on.

A. S. K.

Buffalo, N. Y.

The condition of trade is fair. Carnations are still scarce; Roses are coming in plentifully.

At this writing I have not been able to ascertain what decision the committee on the Fall flower show has come to; they hold a meeting this week.

L. H. Neubeck has bought the Bryner property at Williamsville, N. Y., which will give him a range of houses to draw from for his Main st. store and greenhouses.

Charles Guenther, the noted Rose grower of Hamburg, N. Y., read a paper on "Summer Rose Culture" at the meeting of the Florists' Club.

W. J. Palmer & Son now have two of the finest automobiles in the delivery service in the city; the cars have been giving very good satisfaction for scattered deliveries and one car will do as much work as four horses.

G.

MANSFIELD, O.—Albert Berno has been appointed florist at the Ohio Reformatory, in the place of Joseph Brumenschenkel, who resigned.

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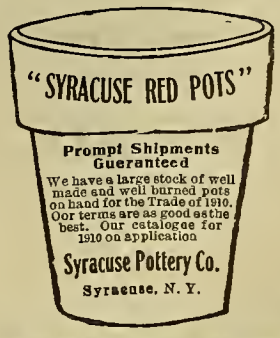

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Notes From California

San Emigdeo Ranch

Location, the extreme south end of the San Joaquin Valley; elevation 1300 ft.; April 17; time of day 7.30 a.m.; temperature 66°; relative humidity 56°; velocity of wind, perhaps, four miles per hour. Such is the location, and such the atmospheric conditions which surround me this Sunday morning while I sit in my shirt sleeves in the shade of a Weeping Mulberry tree in full leaf.

I shall attempt a word picture of the place that readers of the EXCHANGE may have a faint idea, at least, of "country life in California." Rivulets flow through the grounds, which are 20 acres in extent, and, after refreshing the flowers along their tiny banks, the water is conserved in ponds at a lower level, at which hundreds of cattle slake their thirst, after browsing over a range of wild pasture land of 10,000 acres.

The cottage is of one story, as are most houses in this State. The one side and roof is covered with Beauty of Glazenwood, La Marque, Reve d'Or, Henrietta and Cloth of Gold Roses, all of which are in full bloom. A hedge of Marechal Neil bounds one end of the informal flower garden. A pyramid, 10 ft. high, and half as wide, of the brilliant semi-double Gloire de Rosamond the other. The bed is 100 ft. long, 25 ft. wide. In it is growing a miscellaneous lot of plants: among them is a bed of Silene pendula, the first I have ever seen—and what a beautiful subject it is! Why this variety of Catchfly is not more generally cultivated, in this State at least, is one of the strange things of our gardening. Dwarf specimens, not over six inches high, and as compact as Lobelia Erinus, would make admirable border plants. Meehan's Mallows are to be given a test this season on these grounds.

Fig trees, of the black Mexico variety, 3 ft. diameter at the base, 50 ft. high, with a spread of top of more than 70 ft., are loaded with fruit which set on the wood of last season's growth. This will be ripe in about four weeks and will be followed by two other crops on the new wood which will be made this Summer. A remarkable thing about Figs is that in the southern part of the State this character of fruiting is not so pronounced as it is found here. Indeed, it may be truthfully said that the trees do not bear enough fruit on the old wood to attract attention. The foliage on these Fig trees is now about half developed. Spanish Broom, Spartium junceum, with its myriads of golden-colored flowers fill the air with its delightful perfume. Orange trees in full bloom add their share of fragrance and the clean foliage, free from scale pests and the consequent black smut where these pests abound, add beauty to the picture.

It may not be generally known, yet it is a fact, that there are sections of this State with climatic conditions which are not congenial to the life of scale pests—and I may say bed bugs too—moreover, the brilliant sunlight, the high Summer temperature and low relative humidity, combined with the iron and potash in the soil produces a fruit of superior excellence, both as to quality and appearance.

Another remarkable feature of this section is that the atmosphere is so dry that the pollen of Corn and Beans is rendered sterile, impotent, during the Summer, and the consequence is these two crops are a failure; while Peas, which luxuriate in a lower temperature, are a success during the first months of the year.

On this place bird life is protected. Quail, which are the same size as the eastern Bob White, but much more beautiful in plumage, with a magnificent plume of black gracefully curved forward on the top of the head, run wild through the shrubbery and are fed every morning with grain. Doves and other birds share the breakfast of the quail, while the vain, though beautiful peacock struts about like many of his vain fellows—men and women—with apparent delight at being gazed at by all other creatures who may pass by. These feathered creatures do not flee from one's presence through fear of their lives being taken by barbarous men with deadly shot guns.

A border plant used here with pleasing effect is Oxalis corniculata var. atropurpurea. The dark bronze-colored foliage and yellow flowers are very attractive. Here is an illustration of where a plant may be a weed in one locality, and highly desirable in another. When it once becomes established in a Blue Grass lawn on this Coast, the only way to exterminate it is to dig up the turf, cultivate the soil for a season and re-seed the plot.

Oleanders grow to be immense in size, and are unsurpassed in beauty when in bloom by any other shrub growing on the grounds. The intense heat of Summer, the brilliant sunlight, the dry atmosphere all combined do not affect either foliage or flowers.

An experiment in fertilizing Roses reveals the fact that dried blood heightens the color of such as have red or yellow in their make up; while sulphate of potash may increase the size of the flower, yet not enough to warrant its use.

That you may know of the quality and appearance of Navel Oranges as they are grown here, I send you a few specimens, the last of the crop, which have been left for ornament alone. They are as they came off the tree without washing, brushing, or any effort to heighten the color or add luster to their appearance. All southern California Oranges are put through washing machines of ingenious construction, and dried before packing. Not so with the products of the grove on this place, which amounted to 6000 boxes this season. [Unfortunately the Oranges did not reach this office.—ED.]

Olive trees as they grow here are so clean in appearance that one might readily believe a statement that they had been scrubbed with soap and water; and the crop covers the ground, going to waste for the want of help to gather and send it to the factory to be made into pickles or oil. Incidentally, it may truthfully be said that more fruit goes to waste in this State every year than is sent to market. The one thought that impresses me, as I travel over the State, is that there is enough of good land, land which is free from alkali and has subterranean streams of water, in sufficient quantity to support half the population of the United States, if it were tilled with as much assiduity as is bestowed on the lands of the Atlantic Coast States. P. D. BARNHART.

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The Week's Work

BY FRITZ BAHR

Lorraine Begonias

Time to Stock Up With Small Plants For Next Winter

I haven't been writing of this most valuable plant, Gloire de Lorraine Begonia, of late, in regard to the care and handling of the cuttings; not because we don't raise our own stock or know how, but because I do not think it pays the smaller grower to bother with it. There are exceptions, of course. Some growers who handle but 200 to 300 plants, for their own use entirely, propagate their own stock, and have the very best results, but the average retail grower does not; he has so many, many things to attend to that nine chances out of ten he will neglect the little Begonias during the Spring rush, and the result is a lot of stunted stock later on. A far better way for him is to attend to his bedding stock. If he can produce a fairly good Geranium, for which he gets 12c., he is money ahead. If he buys his stock of Begonias at about that price, out of 2" pots, to be delivered to him the first week in June, by that time he has room, and with proper care he will, by starting out with healthy vigorous stock, get nice 6" pot plants by December. Leave the propagating to the specialist—the man who grows a house full of the small plants. You can't do it any cheaper, and most likely not as well.

Geraniums

Important Work for the Present

If you should happen to have a man not very busy, direct him to the Geranium benches—it really requires two men, with good eyes and quick movements of the hands, in order to reset the plants, and stock in 4's. They can't remain, pot on pot, if bushy, stocky plants are wanted. While it may do for a time, three to four weeks would result in spindly stems and yellow foliage, and there is no money in stock of that kind. You would be better off by throwing every weak or unshapely plant out, even if it would take one-third of the bench, and giving the remaining two-thirds the proper room to develop into good salable stock. Surely, the number of plants in the bench counts; but have every one a good one, the space is far too valuable to have it filled up with stock which is liable to be set aside every time a dozen or a hundred plants are picked out and removed to fill an order. A plant which is not healthy, or in good condition, should make room for one that is, so if there is a chance at all to give the large Geraniums more room by resetting them, why get at it; and while doing it give the good plants the best show. If you desire to save the little fellows, move them to one end of the bench, but don't mix them with the large ones.

Decoration Day

A Noticeable Demand for Well-Grown Stock

We are not all located near cemeteries, and yet there are but few of us who do not prepare extensively for Decoration Day; and while many people will buy their plants and flowers wanted for the decorating of graves at, or near the cemetery, there are quite a few who are willing to carry what they buy all the way from their homes, no matter how cheap plants may be bought nor how many peddlers may line up outside of the cemetery gates. Particularly is this the case with the customer who buys a better class of stock than that usually offered—and we notice from year to year that the demand for such stock is steadily increasing. This is encouraging, and we should certainly do all we possibly can to help along such a sentiment. To grow a Geranium worth 25c. doesn't really cost much more than one we have to sell at 10c., outside of the extra room the larger plant requires. The length of time it necessitates to grow, and the amount of attention it demands is practically the same as that for the cheaper plant. We can't possibly have a better

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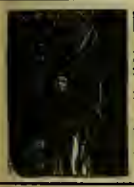

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aim in view than that of growing less but better stock, and as we gradually do so we shall at the same time create a demand for exactly the same class of stock, and that is the kind that pays, the only kind—if we want to make a few more dollars than it just takes to run the business and keep our credit good with the coal man.

The Hotbeds

Now is the Time to Make Use of Them

We find ourselves crowded for room in the greenhouses far earlier than in other years. While bedding-out hardly ever begins before the end of May, throughout the middle West, the Geraniums, Salvias and Cannas, which, by the way, might be called the three principal bedders, have all had their last shift, that is, the main batch; all of them are ready to go out and occupy three-fourths of the bench room of the houses which contain the Spring stock. As other stock in the next three weeks will need more room, quite a few plants would suffer were it not for the relief afforded by the hotbeds. If you have the sash on hand make use of them, if at all possible. To prepare a hotbed at this time of the year will only require about eight inches of well packed manure, with sufficient soil on top to allow the pots to stand on it; or, what is better, to plunge them in up to the rim. This prevents the drying out, which is always a dangerous thing and liable to cause the plants to suffer. If short on deep frames, such as will accommodate Cannas and other tall growing plants, the average florist always has enough low growing stock, such as Alternantheras, Coleus, Salleroi, Geraniums and others, and these are as well, if not better off in the frames than indoors. Don't forget that the most important thing about hotbed culture is the care the stock gets as to watering and ventilation. I might say everything depends on these two, so have one man in charge.

Field Culture of the Carnations

Light and Heavy Soils

The nature of the soil in the field has, of course, more than anything else to do with what results one can expect. When one has a stiff clay soil it would be folly to expect to grow field plants for sale, for it is hard in such soil to get a fair sized plant by the end of July, and especially is this the case in a dry season. On the other hand, a light, sandy soil will produce in a short time large, bushy plants; and for field culture of Carnations such soil, if to be had, is to be preferred, for you get with less work, and in a shorter time, fit plants for housing, such as can be lifted with a nice lot of roots. Again, light soil of a sandy nature can be worked, in Spring, a few hours after a rain; while to handle heavy soil when in a wet state would be wrong. Yet we can't always choose, and if a heavy soil has to be made use of for the Carnations I would say to the beginner, do not touch it until it is dry enough to handle it; have it in a state so that it can be pulverized without trouble, whether you plow or spade work it over deeply—the deeper the better—for only deep cultivated soil will hold moisture in a dry season, and it won't do a bit of harm in a wet one. A shallow working over may be all right for light soil, but it will never do for soil of a heavy nature. Turn it over deeply and thoroughly pulverize it, so as to be able to get the soil to settle around the ball of a little plant firmly; and if the soil isn't dry enough to work just when you are, wait a few days and you will gain by it in the end.

The Carnations

Nothing Gained By Too Early Planting in the Field

While here and there we find a grower who had his Carnations in the field before the storm of a week ago, most of us are getting ready for planting out during the coming week. Hardly ever is there anything gained by planting out too early. The experience some of the

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growers had this year has shown that in cases where the frost did not cut the plants down to the ground it has badly damaged the stock and thereby stunted the growth. A field-grown Carnation in Fall can stand severe freezing without much harm, but not so with the young plants in Spring, such as had no chance to get hardened off. It is certain that the 22° to 26° Fahr., followed by three days of cold rain, must have had bad effects on the stock, and it is bound to take such stock longer to get a new growth started than the plants brought to the field two weeks later. The great trouble with many growers is their anxiety to get the plants out of the little pots they have been in for four months. Now, the man who grows 50,000 to 100,000 plants may possibly have on excuse for not giving his stock a shift at the proper time, but not so with the small grower who houses from 3000 to 5000 plants. With him, if he is at all in doubt as to finding time and room for shifting his stock when in need of it, a far better way is to propagate late and thereby have healthy, live, vigorous stock in 2" or 2½" pots ready for the field the first week in May. I would even prefer, with many varieties, a plant which has been potted up three weeks ago out of the sand, to one out in the field which went through last week's storm.

Planting Out Carnations

Just a Few Reminders.

The man who has been planting Carnations out for years doesn't need to be reminded of what to do and what to avoid; but not so with the beginner, he is liable to overlook certain things. To commence with, have the field ready. If gotten into shape the day before the planting is to be done the better. If the little plants are in pots in a cold frame, where they were put two weeks ago to harden off, give them a thorough watering the night before they are wanted for planting out. If they are well rooted they can be taken out of the pots, set carefully in flats, and brought to the field; in that way considerable time is saved. But a better way is, especially if the plants are not well rooted and you only have a few thousand, to leave them in the pots and remove them when ready to plant them out. For what is there gained by growing a Carnation in a pot and at the last minute, so to speak, through rough handling tear off every root of the stock? Isn't it far better to go to a little extra trouble and get the plant into the field without disturbing the roots? It is all right to be economical, or try to save labor, but don't sacrifice the plants on account of it. The idea in planting out is to get the stock to the field and into the soil as quickly as possible. To let the filled flats lay around in the sun to dry out is wrong, so before you go ahead get everything ready and then let the work go with a vim. Keep the best man, or men, in the field, there is no trick in planting out a Carnation, quick action counts for more than anything else. Eight inches of room is all the plants need for growing into shapely plants; what more you allow is for the cultivator to go through, and the hoe. Plant just a trifle deeper than the plants were in the pots; the soil surrounding them is bound to settle a little, no matter if light or heavy soil is made use of. Press firmly around the plants. One good watering is all that is required, but do it properly and, if possible, do it so as not to wet the surface between the rows. Let a man follow up with the hoe, to apply a light covering of dry soil over the watered surface around the plants. Whenever it is impossible to give a watering after planting, particular care should be used to give the stock a thorough soaking before it goes out, and a light hoeing after planting.

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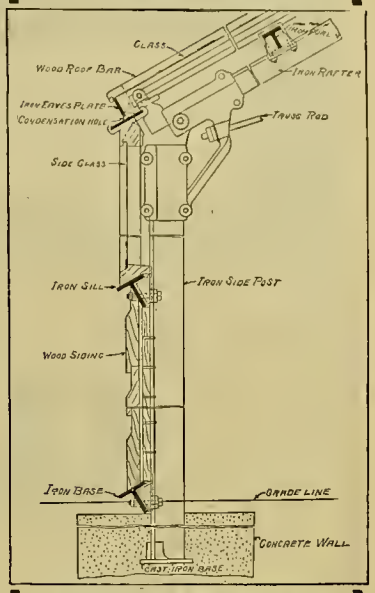

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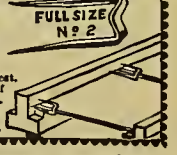

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We Carry 1,500,000 ft. of Louisiana Cypress in Stock

GREENHOUSE GLASS

20,000 Bxs. In Stock At Wholesale

LATEST UP-TO-DATE

Twin-Section Boilers

Pipe, Fittings, Valves

BRACE and SPLIT FITTINGS

WE INVITE COMPARISON

Everything for Erection

We carry the largest stock of HOT-BED SASH in the United States

Our New VENT APPARATUS Will Lift Easy 100 Feet

DOUBLE LIGHT HOT-BED SASH Requires No Covers

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FOR GOOD SERVICEABLE

SECOND-HAND PIPE

with couplings, guaranteed to be better than you can get elsewhere:

Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

ALBERT & DAVIDSON

BROOKLYN, N. Y.

Tel. 2225 Williamsburg 68-70 Troutman St.

Please mention the Exchange when writing.

Louisville, Ky.

Business with local florists has been dull for several weeks as the result of bad weather. They were not alone in this, however, as the unfavorable conditions extended all over the country. The chief obstacle presented by the weather was to planting, and as the larger part of the business done at this season is usually in connection with outdoor work, the volume of trade was considerably cut down. The weather has improved in the past two or three days, however, and it is believed that the situation will be back to normal in a short time.

Fred Haupt reports that all lines of cut flowers have been selling pretty well. Mme. Wastelle's children's ball, held at Macauley's theatre, was a big success and heavy sales of flowers were made in connection with it.

Bad weather has prevented Nanz & Neuner from making as many shipments as usual into the middle and southern States, but they hope conditions will be better shortly. Local trade has been quiet with them.

H. G. Walker, of F. Walker & Co., believes in newspaper advertising, and has been practising it for thirty years. Last week he exploited Burpee's Beans, and this week the climbing Rose Dorothy Perkins, and the Clematis.

Mrs. E. G. Reimers had the decorations for the Gilmore-Miller Wedding, at which Palms, cut flowers and Ferns were used in profusion. The cascade for the bride was made of Lily of the Valley, while the maids of honor carried Killarney Roses and Sweet Peas.

Mrs. Reimers has been receiving some fine Bougainvillea, the stock this year being choice. Plants for bedding are in demand, and Mrs. Reimers said that the old-fashioned flowers are coming into vogue again.

The Louisville Automobile Club is contemplating having a floral parade. The date for the parade has not been set, but the Louisville Herald has offered several handsome prizes for the best decorations, and it seems certain that the event will be arranged. The Club had a similar affair several years ago, and it was successful, but for some reason or other it has not been repeated since.

The Women's Outdoor Art League had two "clean-up days" last week, and secured great interest and co-operation on the part of the public and the city officials. Alleys and vacant lots were cleaned up, and shrubs and plants will be placed on the latter.

William Walker distributed flowers at the meeting of the Sunshine Club at Macauley's Theatre last Sunday. The object of the Club, which was recently formed, is to entertain children and give them a place to go on Sunday afternoons. Its work has been successful.

The Louisville florists are giving a great deal of assistance to the Flower Mission, which recently issued a public card extending its thanks to Nanz & Neuner, August R. Baumer, E. G. Reimers, Jacob Schulz, Henry Fuchs, F. Walker & Co., William Walker and C. B. Thompson.

August R. Baumer handled an order for a spray of white Carnations sent by the boys of the Louisville Male High School to the funeral of Mark Twain, who had favored the school in connection with the presentation of his play, "The Prince and the Pauper," by the local boys. The design was favorably commented upon, and was referred to in the Associated Press reports of the funeral.

Jacob Schulz has done some effective street car advertising of late. "Planting time is here," has been the burden of his appeal, and as his cards are illustrated, showing the various effects that can be secured, the exploitation has been profitable.

Woods, Stubbs & Co. have gotten out handsome enameled cases for their seeds, and these have attracted attention and helped to make sales.

The Kentucky Nursery Co. has just received large importations of evergreens, conifers, Japan Maples, Magnolias, etc., from Holland and France. The shipments arrived in good shape. The company has received word that though the fruit was killed in central and western Kentucky counties, in this immediate section it escaped injury.

Lexington, Ky.

Miss Pauline Sarah Worland, the popular saleslady and bookkeeper, who was with J. A. Keller at the downtown store on Main st., was married recently to J. Bernard Wallace, also of this city.

Anderson & White, the lady florists on Georgetown st., are busy with bedding plants of which they make a specialty. They have some very good stock this Spring.

S. S. Kelley, Clifton Heights, is also a busy man with bedding plants and Mr. Kelley also grows Carnations and he has been cutting some excellent flowers of late.

Honaker, the Florist, on N. Jackson st., is cutting some excellent Roses and Carnations. He grows the best Roses in the State. Bedding plants have been discarded to make room for more cut flowers of which he will make a specialty hereafter.

Louis D. Singer of Thorn Hill, Frankfort, Ky., was a recent visitor here buying stock for Spring sales at his place in that city. August Le Clere, who looks after the greenhouses and grounds at the Eastern (Ky.) Asylum for the Insane, on 4th st. East, is busy with landscape work.

R. H. Tacke, Supt. of Parks, has been busy with landscape work.

A recent visit to the J. A. Keller greenhouses, on West 6th st., found everything looking well. This firm grows a general line of stock for the wholesale and retail trade. J. F. Kellar, the manager at the greenhouses, says he will grow about 20,000 Carnations this year. Several thousand Chrysanthemums will also be grown here. More space will also be given to Violets, Antirrhinums and Sweet Peas. LEXINGTONIAN.

REMEMBER! FLORISTS, REMEMBER!

That we manufacture Steam and Hot Water Boilers.
That we contract for and erect Heating Apparatus.
That we make a specialty of curing defective apparatus.
That our staff of Heating Engineers is reliable and competent
That our Mechanics—pipe fitters—boiler makers, etc., are all. first-class.
That it will pay you to get our suggestions and estimates.

ESTABLISHED NEARLY 50 YEARS

JOHN A. SCOLLAY

74-76 Myrtle Ave. Borough Brooklyn New York City

U. G. SCOLLAY, Manager L. D. Telephone, 1492 Main

Please mention the Exchange when writing.

Are you going to build a **Sash Bar, Semi-Iron Frame** or **Iron Frame Greenhouse?** We have interested others in our methods of construction and in our prices—why not you?

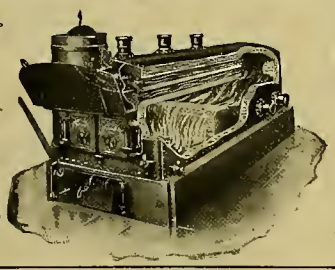
ISAAC CASSIDY,
Summer Ave. and Erie R. R.
NEWARK, N. J.

THE KROESCHELL BOILER

IS THE ONLY PERFECT HOT WATER BOILER

Made in 15 sizes, heating from the smallest greenhouse up to 60,000 square feet of glass to 50° at 15° below zero.

Prices and Catalognes on application



KROESCHELL BROS. CO.
468 Erie Street, CHICAGO

The Heating of Greenhouses

by a practical heating man, with years of experience, should appeal to you; and he should be the proper man to install this important part of your plant.

CHARLES H. DODD, Heating Engineer
576 to 580 Ocean Avenue, JERSEY CITY, N. J.
Cast Iron or Steel Boilers, Pipes, Valves, Fittings.
Estimates, Plans and Layouts.

Please mention the Exchange when writing.

Providence, R. I.

F. J. Sullivan of Springfield, Mass., was a recent visitor to Providence where he was formerly interested in the florist business. He reports his business as steadily increasing.

Mr. Lawrence Hay is one of the busy landscape artists of East Providence, where he has charge of the Agawam Hunt Club grounds. Of late he has had his hands full with the planting of a large amount of shrubbery, and sodding new grounds. He recently purchased a horse sod cutter for the use of the Club. Mr. Hay is bringing in some fine Hybrid Roses in pots.

D. E. Newell of Attleboro, Mass., reports everything moving in that city as well as can be expected. There is some funeral work and plenty else to do at this season. He is looking forward to getting everything in fine condition for Memorial Day.

W. S. Woodruff of Orange, Conn., was in town on Thursday in the interest of the seed trade. He reports that business has been very good notwithstanding the high prices which have prevailed in the Pea market this season. Beans seem to be plentiful and all will have enough Peas to carry them through. Onion seed seems to be plentiful, as white are offered to the trade at $2 a bushel.

C. H. Hunt, Oxford st., reports business very good and everything coming along in the line of bedding plants in excellent shape. He has a fine lot of Geraniums, Coleus, and other bedding plants for Memorial Day.

The Holland bulb men are apparently looking well after the bulb trade this season. A week never passes without three or four putting in an appearance, with the assurance of giving the best quality of bulbs at the lowest prices. Each one tries to induce the florists and seedsmen to cast their lots with them, one trial order is all they ask. These numerous bulb representatives sell just as cheaply to the florists' trade as to seedsmen; quantity hardly cuts any figure in price.

Wm. Hay is cutting some very fine Roses at his new Oaklawn plant.

J. H. Cushing, Quidnick, R. I., was in town Friday, purchasing supplies.

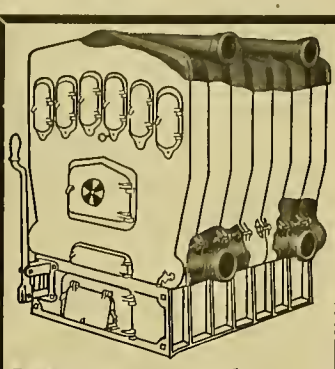
S. Geller of the Geller Florists' Supply Co., Inc., New York, was in town on Friday.

A. J. Olsen, East Providence, is cutting a fine lot of Carnations.

G. Hampton, representing Jos. G. Neidinger, Philadelphia, was in town Monday looking after trade in the supply line.

Geo. Johnson & Son, Elmwood ave., had the decorations at the Park Avenue High School on Monday, where the new mayor of the city of Pranston, Edward M. Sullivan, and the Councilmen of the newly created city were inaugurated. The room was nicely decorated with Palms, Ferns, ets., and much credit is due to Mr. Sharkey, who had charge of the decorations.

Wm. Hoffman of Pawtucket, R. I., has recently let a contract to Lord & Burnham Co., Irvington, N. Y., for the construction of two new greenhouses, one 38x128 ft. the other 28x100 ft. This addition to Mr. Hoffman's plant will add much to its usefulness, as the old houses will be torn down and replaced by these new structures. H. C. N.



The Burnham

The 18 and 30 inch grate Burnham is also made in this broad, low design with socket openings, for low flow pipe connections.

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LORD & BURNHAM CO.
IRVINGTON, N. Y.
New York Boston Philadelphia Chicago

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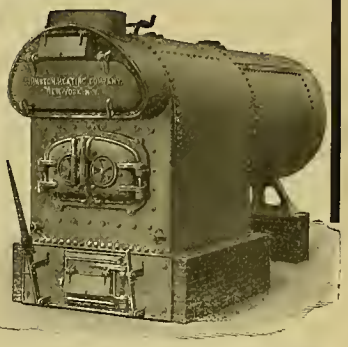
Tubular Boilers

Steam and Water



The Most Economical and Efficient Boiler for Greenhouse Heating

JOHNSTON HEATING CO.
138 East 31st St., New York

Please mention the Exchange when writing.

Commercial Violet Culture *Price $1.50*

The Florists' Exchange, 2 to 8 Duane St., N. Y.

We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.

The A. T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

Please mention the Exchange when writing.

WATER SUPPLY

HAVE you figured out how much COAL and TIME you use for your pumping during the summer months, and compared this with the expense of a few cents worth of gas or gasoline used by THE STANDARD PUMPING ENGINE for doing BETTER WORK IN LESS TIME?

Our catalogue will get you to thinking about it. Sent on request.

STANDARD PUMP & ENGINE CO.
15 Michigan St., CLEVELAND, OHIO

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SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

WHICH EAVE ARE YOU BUYING?

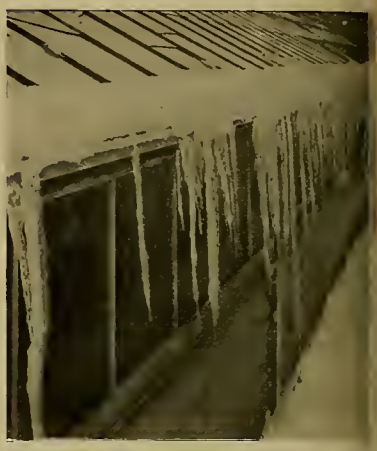
L. & B. Galvanized, Ice-Clearing Eave Plate with Sash Bar Clasps, makes this strong, but extremely light eave

It seems hardly possible that after all the talking about lighter, stronger houses, that some growers are even this very day buying eaves that are heavier but not as strong as our Galvanized, Ice-Clearing one; eaves that are a little cheaper to buy but cost dollars and dollars more each year, because of the resulting shade and repairs.

Perhaps you may be one of those who do not know that we will sell separately, the plate with sash bar clasps attached. Send orders for as many feet as you like, and we will ship promptly.

LORD & BURNHAM CO.
IRVINGTON, N. Y.

NEW YORK St. James Bldg. — BOSTON Tremont Bldg.
PHILADELPHIA Heed Bldg. — CHICAGO The Rookery



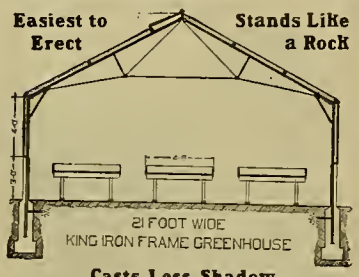
We don't believe in directly "knocking" the other fellow's construction, but the photo tells its own story. Why will growers put up such houses?

Please mention the Exchange when writing.

How About This?

"The Best Houses we have and we erected them ourselves without any trouble."—*From one of the well known growers in Jersey.*

Easiest to Erect — Stands Like a Rock



Casts Less Shadow

"Ask the Man Who Has One"

John Young Co., New York City, 54 by 561.
Scott & Son, Sharon Hill, 5 houses, 25 by 166.
John N. May, Summit, N. J., Whole Range, 5 houses, 28 by 225.
E. W. Fengar, Irvington, N. J., 3 houses, 28 by 150.
G. F. Neipp, Chatham, N. J., 42 by 300.
C. E. Meehan, Holland, Pa., 50 by 300.
Florex Gardens, North Wales, 172 by 700.
John W. Young, Germantown, Pa., 2 houses, 35 by 300.

Why Not You?

KING CONSTRUCTION CO., NORTH TONAWANDA, N. Y.

Please mention the Exchange when writing.

BE ECONOMICAL IF YOU WANT TO SUCCEED!!!

IT is a hard matter to define economy; there is no one explanation that can be given as to what it is. Experience alone can teach economy and impress its rules on the mind of the pupil. One thing, however, is certain—you can never succeed in business unless you are economical. Economy doesn't mean always the saving of money, or the sacrificing of this or that to make ends meet—it means more often the judicious spending of capital and careful planning of work. To look ahead and see the future, to provide for the time that is to come, to do things that will last—this is economy. Of what benefit is a saving today that is lost tomorrow on account of short sightedness? Is it economy to build greenhouses today that are cheap and spend all your profits repairing them?

It is not what you pay, but what you get for what you pay—that is economy.

John C. Moninger Co., Chicago
906 East Blackhawk Street

Please mention the Exchange when writing.

A. Dietsch Company

2638 Sheffield Ave., CHICAGO

Greenhouse Material
Hot-Bed Sash

For safe, light, efficient and durable construction our houses have stood the test. Ask our customers about them.

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The Florists' Supply House of America

You will want Memorial Designs—Why not order now?

METALLIC DESIGNS in every style suitable for Memorial Day Celebrations. Every Design we send out is true to nature in foliage and flower. All designs are ornamented with roses, carnations, forget-me-note and other flowers as desired. Special designs on hand and made to your order, which include Pillows, Anchors, Gates Ajar, etc. IMPORTED MAGNOLIA LEAVES, Green and Brown, for all occasions; CYCAS WREATHS, FANCY IMPORTED WREATHS, etc. BASKETS OF ALL KINDS FOR JUNE WEDDINGS; order some now and be prepared in advance.

ALL OTHER SUPPLIES IN ABUNDANCE. Send for our new Catalogue.

H. BAYERSDORFER & CO., 1129 Arch Street, Philadelphia, Pa.

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A. HERRMANN

Manufacturer of Floral Metal Designs

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Tel. 2225 Ave and Warerooms; 404, 406, 408, 410, 412 East 34th St. Write for new catalogue
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THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

Send for Circulars — **DILLER, CASKEY & KEEN.** — Successors to JENNINGS BROS.

S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

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NEW YORK STATE PURE SEED BILL

RECENT EXPERIMENTAL WORK IN RELATION TO FLORICULTURE

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 20 NEW YORK AND CHICAGO, MAY 14, 1910 One Dollar Per Year

Amherst MASS

BEDDING STOCK

Cannas. Finest sorts, strong plants, 3½-in. pots, Beaute de Poitevine, Buttercup, Souv. d'Antoine Crozy, Pierson's Premier, and Florence Vaughan	Doz. $1.00	100 $6.00
Tarrytown, best crimson, and King Humbert, best dark-leaved sort	2.00	12.00
Alyssum. Sweet. 2¼-in. pots	.50	3.00
Asters. Assorted, 2¼-in. pots	.50	3.00
Caladium Esculentum. Started	1.50	
Castor Oil Beans. 3-in. pots	1.00	6.00
Coleus. Golden Bedder and Verschaffeltii. 2¼-in. pots	.50	3.00
French Marguerites. 3½-in. pots	2.50	15.00
Geraniums. Double Grant. 3½-in. pots	1.25	8.00
Hydranea Otaksa. 6-in. pots, fine plants in bud and bloom, for immediate or later sales, 4 to 5 blooms each, 75c. each; 5 to 6 blooms each, $1.00 each.		
Lemon Verbenas. 4-in. pots	1.50	10.00
Nasturtiums. Assorted. 3-in. pots	1.00	6.00
Salvia. Splendens and Bonfire. 2¼-in.	.50	3.00
Egg Plant. New York Improved. 2¼-in.	.60	4.00

F. R. PIERSON CO.
Tarrytown-on-Hudson NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

GARDENIAS

2¼-inch pots, $7.00 per 100; 3-inch pots, $12.00 per 100; 4-inch pots, $20.00 per 100.

DRACAENA INDIVISA

4-inch pots, $1.80 per doz., $12.00 per 100; 5-inch pots, strong plants, $25.00 per 100.

CANNAS

Gladiator. Green foliage, yellow flower, spotted with red.
Wyoming. Bronze foliage, red flower.
Louisiana. Green foliage, red flower.
Assorted Cannas. Good standard varieties.
The above in 4-inch pots, $1.00 per dozen, $8.00 per 100.

Asparagus Plumosus Seedlings

$1.00 per 100, $10.00 per 1000.

Asparagus Sprengeri Seedlings

50 cents per 100, $5.00 per 1000.

SMILAX

2¼-inch pots, $2.50 per 100, $20.00 per 1000.

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Extra Large Grafted Plants of My Maryland

One of the best paying Roses on the market.

We have a large stock of fine plants, as large as ordinary 4-inch plants, at $120.00 per 1000.

Order at once, as they will soon be gone.

W. H. ELLIOTT
BRIGHTON, MASS.

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CANNAS—CANNAS

We have 200,000 fine strong plants in 3-in. pots in the following kinds; **Jean Tissot, Pres. Myers, Pennsylvania, Buttercup, Louisiana, Egandale, Florence Vaughan** and **Alph. Bouvier** at 75c. per doz., $3.00 per 100, $25.00 per 1000; not less than 25 of a kind at hundred prices.

GERANIUMS

L'ELEGANTEA, variegated-leaved Ivy Geranium, leaves margined white, silver-white single flowers, a rare and beautiful thing as a Hanging Basket plant. We have a splendid stock in 3-in. pots at $1.00 per doz., $5.00 per 100.

SILVER-LEAVED S. A. NUTT, leaves edged white, habit of growth, freedom of bloom, color and appearance of flower very similar to the S. A. Nutt, $1.00 per doz., $6.00 per 100.

GERANIUMS, Standard Varieties, $2.00 per 100, $18.50 per 1000; 1000, fifty each of 20 varieties, our selection, $18.50.

	2-in. Per 100	2-in. 1000	3-in. 100
AGERATUM, Blue and White	$2.00	$18.50	$3.00
CENTAUREA, Gymnocarpa	2.00	18.50	3.00
CINERARIA, Maritima Candidissima	2.00	18.50	3.00
APPLE GERANIUMS	2.00	18.50	4.00
ALTERNANTHERA, Red and Yellow, six varieties	2.00	18.50	3.00
COLEUS, Golden Bedder, Verschaffeltii and others	2.00	18.50	3.00
GERMAN or **PARLOR IVY**	2.00		
FUCHSIAS, six varieties	2.00	18.50	3.00
LEMON VERBENA	2.00	18.50	3.00
PETUNIAS, Double Mixed Colors	2.00	18.50	3.00
PETUNIAS, Dreer's Superb Single	2.00	18.50	3.00
VERBENAS, Red, White, Pink and Purple	2.00	18.50	3.00
SWAINSONA, alba	2.00	18.50	3.00
HARDY IVY	2.00	17.50	
SALVIA, Bonfire and Zurich	2.00	17.50	

ASTERS, Vick's Early and Late Branching, select colors, strong transplanted plants. 2-in., $2.00 per 100, $18.50 per 1000.

DAHLIA PLANTS, from 2-in. at $2.00 per 100 up; for $18.50 cash, we will send 1000, 50 each of 20 distinct varieties including Show, Decorative and Cactus.

Cash with Order. Visitors Always Welcome.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

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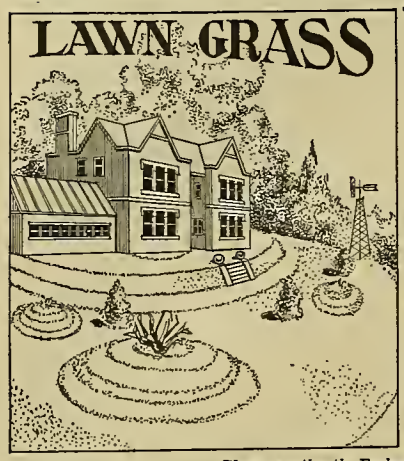

Grass Seed

Put up in handsome lithographed packages. Pints, $4.00 per 100. Quarts, $7.00 per 100.

Rustic Hanging Baskets

	Each	Per doz.
10 inch bowl	$1.10	$11.00
12 inch bowl	1.25	13.00
14 inch bowl	1.50	16.00

Wm. Elliott & Sons
42 Vesey St., NEW YORK

Please mention the Exchange when writing.

Lawn Grass Seed

Pint packages, 75 cents. per dozen, $6.00 per 100; quart packages, $1.50 per dozen, $12.00 per100; bushel (16 lbs.), $2.75

Stumpp & Walter Co 50 Barclay St. NEW YORK

Please mention the Exchange when writing.

Order now and be sure to grow this year

Rawson's Gold Medal Chinese Primulas

Without doubt the finest strain in the country

We offer the following colors: Pure White, Brilliant Pink, Deep Blue, Crimson, Salmon, Bright Chrietmas Red, and White with Red Eye; also a wonderful mixture at the price of:

Per Hundred seeds, 50c.; thousand seeds, $4.00

The proper time to sow Primulas is during the month of May, so please do not delay in ordering.

W. W. RAWSON & CO., Seedsmen
5 UNION STREET, BOSTON, MASS.

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PRIMROSE SEED

IMPROVED CHINESE

Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 600 seeds, $1.00; 1000 seeds, $1.50; half pkt., 50c. Have the varieties separate, also.

PRIMULA Kewensis, the grand, new, sweet-scented, Yellow Primrose, pkt. 25c.

CINERARIA Finest large-flowering dwarf, mixed, 1000 seeds, 50c.

GIANT PANSY The best large flowering varieties, critically selected. 6000 seeds, $1.00; half pkt., 50c.; oz., $2.50. 500 seeds of Giant Mme. Perret Pansy Seed added to every $1.00 pkt.

CASH. Liberal extra count.
We can please you.

JOHN F. RUPP, SHIREMANSTOWN, PA.

RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

Spring Bulbs

TUBEROSES

PEARL DOUBLE.	100	1000
No. 1, large, 4/6	$0.90	$7.00

ELEPHANT'S EARS
(CALADIUMS)

	Doz.	100
7/9-inch	$0.50	$3.00
9/11-inch	.85	6.00
11/12-inch	1.50	10.00
12/18-inch	2.00	15.00

CYCAS STEMS

Fresh, just in from Japan. Per lb.

10-lb. lots	$0.10
25-lb. lots	.08
100-lb. lots	.07½
Case (300 lbs.)	$21.00

STOKES' SEED STORE
219 Market St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

PALM SEEDS

KENTIA SEED For Immediate Delivery

	Per 100	1 000	10,000
Kentia Forsteriana	$0 60	$4 50	$40 00
" Belmoreana	60	4 00	37 50
Cocos Weddelliana	1 00	7 50	70 00
Areca lutescens	1 00	7 50	70 00
Latania Borbonica	30	2 50	20 00
Livistona rotundifolia	$2 00	$17 50	
" Chinensis	1 00	7 50	$70 00
Phoenix Canariensis	30	3 00	27 50
Phoenix Roebelenii	1 00	7 50	
Musa Ensete	1 00	7 50	

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ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., N. Y. City

Please mention the Exchange when writing.

FRESH MUSHROOM SPAWN

ENGLISH AND AMERICAN

VAUGHAN'S SEED STORE

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NEW YORK — 25 Barclay Street

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Seasonable **Seeds** for the **Florists**

H. E. FISKE SEED CO., Boston, Mass.

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PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

Thorburn's Seeds

KENTIA SEED New Crop. Just received from Australia

	Per 1000 seeds
Belmoreana and Forsteriana	$5.00
Canterburyana	25.00

We are booking orders now for Harrisii and Formosum and other Japan Lilies, also Roman-Hyacinths and Paper White Narcissus.

J. M. THORBURN & CO., 33 Barclay St., NEW YORK

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Try The Following

CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
STOCKS—"Burnett's Perpetual White.
CAULIFLOWER—Burnett's Selected "Snowball."
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Write for our Illustrated Catalogue

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

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Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C. Trade Mark — American Spawn Co., St. Paul, Minn.

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RICKARDS BROS., Props.
Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy — NEW YORK CITY

WINTER FLOWERING SWEET PEAS

ALL COLORS
SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

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CAULIFLOWER SEED
CABBAGE

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

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Flower Seeds, Market Garden and Field Seeds, all kinds of Tender and Hardy Plants, Tuberoses, Dahlias, Gladioli, Small Fruits.

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We Would Announce the Opening of Our New Store

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76 Barclay St, NEW YORK

HIGH GRADE SEEDS BULBS and PLANTS

CARL R. GLOECKNER, Pres.

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

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NEVER AGAIN!!!

AT THESE PRICES

ELEPHANT EAR BULBS

Clean, sound stock, with center shoots.

	Per 100	Per 1000
5-7 inches in circumference	$0.75	$6.00
7-9 " "	2.00	15.00
9-11 " "	3.00	25.00
11 inches and up	5.00	

200 Bulbs at 1000 Rate

GLOXINIAS

	Per 100	Per 1000
Giant Mixed	$3.00	$25.00

JOHNSON SEED CO.

217 Market St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

SEASONABLE SEEDS

CALADIUM esculentum, Fancy Caladiums from Brazil.
GLADIOLI, all sorts. Japan IRIS.
Japan LILIES.
Double-flowering CHERRIES.
Send for our new Spring list.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.

Vegetable Plants

	Per 100	1000
BEET PLANTS	$0.20	$1.25
CABBAGE PLANTS, full list of leading varieties, 10,000 and over, 85c. per 1000	.20	1.00
EGG PLANTS	.40	2.00
LETTUCE PLANTS, Grand Rapids, Big Boston, Boston Market and Tennis-Ball, 10,000 and over at 85c. per 1000	.20	1.00
PEPPER PLANTS, Bull Nose, Sweet Mountain and Ruby King.	40	2.00
TOMATOES, Small Plants of Earliana, Early Jewel, Dwarf Stone, Champion, Ponderosa and Matchless	.30	2.00
TOMATOES, Small Plants of Stone, Paragon, Favorite and Success	.20	1.00

R. Vincent, Jr. & Sons Co., White Marsh, Md.

Please mention the Exchange when writing.

Asparagus Roots

Palmetto and Argenteuil, 2 years old, $3.50 per 1000; 10,000 for $30.00. 1 year old, $2.25 per 1000; 10,000 for $15.00.
We make this offer for two weeks only.

SURPLUS NURSERY STOCK, Extra Fine
CHERRY TREES, $20.00 per 100.
QUINCE TREES, $22.00 per 100.
APPLE TREES, $17.00 per 100.
All the above are ¾-in., Extra.
RED RASPBERRIES, $10.00 per 1000.
BLACK RASPBERRIES, $9.00 per 1000.

Jos. H. Black, Son & Co.
Hightstown, N. J.

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Sweet Potato Plants

A large stock of Sweet Potato Plants now ready. YELLOW NANSEMOND, BIG STEM JERSEY, and EARLY GOLDEN, 1000, $1.25; 10,000, $10.00.

H. AUSTIN CO.
FELTON, DELAWARE

Please mention the Exchange when writing.

HEADQUARTERS FOR GLADIOLI and Other Bulbs

JOHN LEWIS CHILDS
FLORAL PARK, N. Y.

Please mention the Exchange when writing.

7-Top Turnip Seed

ADVANCE ORDERS NOW TAKEN FOR CHOICE GRADES OF

Seven-Top Dixie Frost King Prize Taker

Now in full pod on Bloomsdale Farm. Special prices on application.

Plants from this Seed of hardy Northern breed very superior to the less hardy Southern type stand any amount of snow and ice without injury.
The Seed will be harvested about the 20th of June and ready for shipment about the 1st of July.

D. LANDRETH SEED COMPANY
BRISTOL, PENNA.

Also KALE—Dwarf German, $20 per 100 lbs.
Siberian . . . 18 per 100 lbs.

Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS NANUS

NEW CROP

100 Seeds..... $0.50 500 Seeds..... $2.00
1000 Seeds $3.50

Our Flower Seed Catalogue free on application

THE MOORE SEED CO., 829 Market Street PHILADELPHIA, PA

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

Please mention the Exchange when writing.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

Please mention the Exchange when writing.

Tuberoses SPECIAL OFFER

DWARF DOUBLE PEARL, $1.00 per 100, $7.50 per 1000.

WEEBER & DON
SEED MERCHANTS and GROWERS
114 Chambers Street NEW YORK

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

Gladioli

Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck and Pactole.

LILIES, IRIS, CINNAMON VINES and other bulbs for Spring planting.

Send for prices.

E. S. MILLER
WADING RIVER, LONG ISLAND, N. Y.

Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO

BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

I still have a few field-grown

DAHLIA CLUMPS

in surplus as follows:

100 Kriemhilde ..... $6.00 per 100
500 Maid of Kent..... 5.00 per 100
100 Twentieth Century ..... 5.00 per 100
300 Lyndhurst ..... 6.00 per 100

We are booking orders now for Fall delivery. Write for complete list.

J. MURRAY BASSETT, Hammonton, N. J.

Please mention the Exchange when writing.

AMERICAN SEED TRADE ASSOCIATION

President, J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard H. Vaughan, Chicago. **28th Annual Convention at Atlantic City, N. J., June 21, 22 and 23.**

WASHINGTON, D. C.—P. Mann & Co., seedsmen, 207 7th st. N. W., report good business and say the present season is their best in a number of years. The present season appears to be about four weeks in advance of previous years. The firm was established in 1869 by P. Mann and is one of the oldest in this part of the country. A general line of farm and garden supplies is carried and the location, opposite the Center Market, makes their store headquarters for farmers coming to market. P. M. R.

IMPORTS, ETC.—May 2.—Maltus & Ware, 4 tubs trees, 1 case trees. May 4.—O. G. Hempstead & Son, 50 tubs Laurel trees; J. W. Hampton, Jr. & Co., 30 tubs Laurel trees, 36 cases plants; W. Layolere & Co., 14 cases plants; Lunham & Moore, 17 cases plants; Maltus & Ware, 50 tubs trees, 109 cases plants; McHutchison & Co., 48 tubs Laurel trees, 2 cases plants; McHutchison & Co., 22 tubs Laurel trees; J. Roehrs Co., 5 cases plants; Rooney & Spence, 6 tubs Laurel trees; J. Roehrs Co., 16 cases plants; Rooney & Spence, 16 tubs Laurel trees; C. B. Richard & Co., 114 tubs Laurel trees, 15 cases plants; Smith & Boltzenthal, 32 cases plants; J. Ter Kuile, 3 cases plants, 6 tubs Laurel trees. May 6.—F. B. Vandegrift & Co., 2 cases Orchids. May 7 and 8.—F. B. Vandegrift & Co., 2 cases plants. May 9.—J. M. Thorburn & Co., 16 bushels Grass seed; Hill Bros & Co., 35 bags seeds; P. Henderson & Co., 4 bags agricultural seed; J. M. Thorburn & Co., 29 bags garden seeds; Maltus & Ware, 94 cases living plants.

European Notes

Although the month of April is dying as the mail is closing, overcoats and mufflers are still the order of the day. Cold northwesterly winds prevail from Biarritz to the Isle of Skye, and showers of soft hail by day, followed by 9° (Fahr.) of frost at night, serve to keep vegetation in check in most unwelcome fashion. At the moment of writing, our

They say Erie Commuters to and from New York are perhaps the best natured men in the world—especially those who have commuted a year or more. One can become accustomed to almost anything in the course of time, and unless an improvement is forced upon him he will never know better.

There are some Lily Bulb growers of a similar nature—satisfied with the old kind; willing to throw one-half away, never dreaming that it is possible to buy a brand of bulbs which will average more, not even considering the saving in expense of handling and cost of forcing.

Those who have "never changed" would do well to try a case of Horseshoe Brand Giganteum this Fall—eliminate the dry-rot from your system. Those who are "satisfied" are the stepping-stones for some wide-awake fellow to walk on.

Send for the Horseshoe Brand catalog.

RALPH M. WARD & CO.
12 West Broadway—New York

"Not How Cheap—But How Good"

Please mention the Exchange when writing.

I Sell Aphine
I Sell Privet
I Sell Everything for the Florist and Private Trade

C. McTAGGART
Seedsmen and Florist
123 Warren St. (Near West St.)
NEW YORK
Telephone, 2019 Cortlandt
Correspondence Solicited

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Ferns in Flats—SEEDLINGS
Order Now for July—August Delivery
Japanese Lily Bulbs
FOR FALL DELIVERY Special Quotations on Application
McHUTCHISON & CO.
17 MURRAY STREET NEW YORK
Please mention the Exchange when writing.

CANNAS Extra strong, from 4-in. pots, $1.00 per doz., $8.00 per 100.
Satisfaction guaranteed. Fine assortment.
BRANT BROS., Utica, N. Y.
Please mention the Exchange when writing.

CANNAS
KING HUMBERT, CHAS. HENDERSON, EX. CRAMPBELL, MAD. CROZY, ALPHONSE BOUVIER, MLLE. BERAT, FLORENCE VAUGHAN, SOUV. DE ANTOINE CROZY.
Write for special prices, stating quantity wanted.
FRESH TOBACCO STEMS. Bale of 300 lbs. $1.75; Ton $9.00.
W. C. BECKERT
SEEDSMAN
103 Federal St., N. S., Pittsburg
Please mention the Exchange when writing.

¼ Million Canna Plants
OVER 100 VARIETIES
Started in beds out of doors, strong well-rooted plants.
Prices range from $1.50 per 100 up, according to varieties and quantity wanted. Plants ready after April 15, they will be packed light in moss. Send us a list of your wants and let us quote you prices. We also have dry roots in many varieties.
Frank Cummings Bulb & Plant Co.
Canna Growers, MERIDIAN, MISS.
Please mention the Exchange when writing.

Canna Plants
750 Charles Henderson } 35 plants in a flat.
750 Alphonse Bouvier } $1.50 per flat.
These Cannas were grown in the flats.
VINCAS
400 Vincas, 3½ inch pots, $8.00 per 100.
QUIDNICK GREENHOUSES
J. H. Cushing, Prop., Quidnick, (Anthony P. O.) R. I.
Please mention the Exchange when writing.

fields are quite white, but the drying winds will enable us to resume operations in less than an hour. We sadly need some good warm rains with warm nights to give our sowings of the early forcing Radishes a chance to grow right away and so preserve their special qualities. The larger and later varieties have come up well and are now nearly ready for transplanting, but we are too busy at present completing our plantings of Carrots, Beets and Mangels to be able to give the Radishes the attention they need. After all, Radish is a risky crop about which it is difficult to enthuse either merchants or growers, but we shall do our best with it, and for it, and the best can do no more.

The reports of destruction to the southern fruit and cotton crops cabled during the present week from your side evoke a very sincere sympathy from companions in misfortune. It is a case of "*Force majeure*" against which it is vain to contend.

The great shortage in the acreages of Beet, Carrot, Cabbage, etc., will probably lead to a large surplus of dwarf Beans next season, while an increased acreage of Lettuce will most probably be planted. The last named article will be welcome, as stocks of many varieties have run very low, but as regards the Beans, it is not possible for those who have already made their growing arrangement at the old prices to contemplate a probable slump in values with any degree of pleasure.

The editor of one of the newest of the "weeklies" devoted to horticulture announces that he "will be glad to answer questions upon any subject dealt with in his journal." The following is a specimen of his replies. "MANGEL. (H. B.) Mangel or Mangel-Wurzel is simply a German variety of Potato. Mangels ripen irregularly and keep badly. The color is red or mixed red and yellow, generally very large, some of them weighing over 2 lbs. each. Not good for table use, but suitable for feeding cattle."

The blind leaders of the blind don't get a look in by the side of this luminous guide.

A run through the district devastated by the floods in the valley where the l'Authion and the Loire connect discloses the fact, that in some of the farm houses the water was fully two metres (about 6½ ft.) deep. There appears to have been some very destructive property in the water, for all the vegetation that was submerged is perishing, as well Thuja trees as Cabbages.

The farmers are hoping that this property may eventually prove to be a valuable fertilizer, and that next year this, and the enforced fallow, may result in splendid crops. The experience of the market gardeners near Naples, whose gardens were buried under the ashes of Vesuvius, certainly supports the idea.

Business in general is almost down to the stock taking level, but a brisk demand for Mangel is a welcome feature, and quite a nice lot of Turnip seed orders from your side are coming to hand.

In the heavy seed market, Tares are in great demand and several large parcels of Clover have changed hands during the past few days. Grass seeds are too high to encourage speculative purchases, but an average demand is assured. Rutabagas are a bit of a drug just now (only the coarser varieties), but orders for these may be forthcoming at any time during the next two months.

EUROPEAN SEEDS.

American Notes

Good Business Continues

The past week has seen a steady continuance of the very satisfactory retail trade that our seedsmen have enjoyed since the month came in. Reports from some sections, however, are to the effect that the continued comparatively cool weather has in quite noticeable measure restricted orders, especially for everything in the line of tender vegetable and bedding plants; but both flower and vegetable seeds proper would seem to be having much larger May sales than for many years. As regards evening work with the seedsmen, it is practically at an end for this year, and to the infinite relief of employer and employee alike; surely, it is conservative to say that there has never been a Spring seed selling season which has demanded more extra hours of labor than the one now approaching its end. Regarding the wholesale seed business, those seedsmen who cater particularly to this line of trade are still quite busy with the so-called "filling in orders;" for just so long as the retail counter business continues will their customers find many daily needs in bulk seeds. With good weather there will be many weeks yet of active trade for the seedsmen, as every succeeding year has seen more and more home garden planting done in the month of June.

Beets for Feeding Stock

During the next few weeks, until well into June, there will be an active demand for seed of the, so-called, Cattle Beets for stock feeding. Mangel-Wurzels or Cattle Beets are being more extensively planted yearly, because of the wonderful results gained through feeding them to stock of all kinds, as shown by the reports of our various experiment stations. There are any varieties but, as with other vegetable seeds, it will be found necessary to carry in stock only seed of two or three leading sorts. The Improved Mammoth Long Red is perhaps the most called for variety, and the best of the red-fleshed sorts. Should customers simply ask for the largest and most profitable Mangel-Wurzel, this variety will always give satisfaction. There are also yellow-fleshed varieties, the best of which is the favorite Golden Tankard. If seeds of these two described sorts are carried in stock very few planters will be found who will not take one or the other. Wholesale seedsmen can always supply the rest of the list as orders require. To make a seed business most profitable it is advisable to avoid carrying little called for varieties in every line of seeds.

Memorial Day Plants

Those seedsmen who have carried a full line of plants all through the season should not on any account neglect to make ample provision for their Memorial Day sales in this direction. Perhaps, one of the best sellers will be found to be small baskets of Pansy plants in full bloom, that can be retailed for say 25c. per basket. Last year a well-known seedsman conceived the idea of offering assorted baskets of plants in full bloom, as far as possible, to sell for $1 a basket. Each basket contained a liberal number of good plants, including Geraniums, Cannas, Coleus, Salvias, Pansies, etc. Proper advertising sold these baskets in very large numbers; in fact, his store seemed to be the headquarters in that city for Memorial Day needs in this line. It is, of course, necessary to plan ahead for such a special sale, but Memorial Day certainly gives the seedsman a splendid opportunity to dispose of very large quantities of flowering and decorative plants. The above is suggested as one of the possibilities where the local conditions are right. V.

New York Seed Trade

The seedsmen have had another week of good trade in all retail lines; so comparatively cool continues the weather that considerable nursery stock is still being sold and shipped. Vegetable and bedding plants are being disposed of in enormous quantities. An active trade is looked for until well into June.

W. E. Marshall & Co. are very much pleased with the goodly volume of nursery stock orders they have received this season, which, in large measure, they attribute to the special catalog devoted to this line they issued this year for the first time.

Marshall H. Duryea, vice-president of Henry Nungesser & Co., is serving on the Grand Jury of the United States Courts. Mr. Duryea has been drawn to serve during this month and June.

Rickards Brothers report that to the present time they have booked many more orders for Dutch bulbs for Autumn delivery than a year ago. They feel sure that the demand for all kinds of bulb stock will be very large the coming season.

At Boddington's, trade is still very active. A feature of the week has been a large shipment of Rhododendron maximum to Canada. This house has much increased its output in the nursery stock line this season.

The Aphine Manufacturing Co. of Madison, N. J., has very largely increased its sales of Aphine, through the seedsmen, since putting upon the market the smaller sized cans for retail counter sales.

Ralph M. Ward & Co. have this week received large shipments from Japan of Bamboo canes.

White Roman Hyacinths and Paper White Narcissus will be even higher than last year, especially the former.

Philadelphia Seed Trade

The rush season of the seed business is over. In fact, the demand for seeds is not as heavy as it usually is at this season of the year. That is because the sales in March and April were abnormally large. The bulbs and roots are still moving briskly, but the largest sales now are in the vegetable plant line, and in garden tools.

J. BOLGIANO & SON
WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS
BALTIMORE, MD.
Please mention the Exchange when writing.

GRANDEST COLLECTION of ASTERS EVER OFFERED
100 Named Varieties, one plant each of every variety, $1.25; ½ doz. of each variety, $5.00; one doz. of each variety, $7.50.
Queen of the Market, Late Branching, Comet, Chrysanthemum Flowered, Peony Flowered, Victoria and Ostrich Plume, in the different colors, separate, 40c. per 100, $2.50 per 1000, $20.00 per 10,000, $1.75 per 100,000.
ASTERS IN GRAND MIXTURES
Mixture No. 1. A superb Florists' Novelty Mixture including all the best cut-flower varieties from the earliest to the latest, furnishing flowers the entire season through, 50c. per 100, $3.25 per 1000, $30.00 per 10,000, $250.00 per 100,000.
Mixture No. 2. This is strictly a Florists' Mixture of standard varieties, not one objectionable variety in the lot, 35c. per 100, $2.00 per 1000, $18.00 per 10,000, $150.00 per 100,000.
National Co-Operative Show Gardens
SPENCER, INDIANA
Please mention the Exchange when writing.

ASTER PLANTS
Queen of the Market, Perfection, Comet, all in best Mixed Colors; Late Branching, in white, pink, lavender and crimson, all stocky plants, fine for planting out, $2.50 per 1000.
CALADIUM Esculentum, 6 to 8 in. circumference, $1.50 per 100.
CANNAS, best named kinds, $2.00 per 100.
IMPERIAL SEED & PLANT CO.
Grange, Baltimore, Md.
Please mention the Exchange when writing.

FLORISTS' ASTERS
Field-grown—Separate colors
CREGO, White, Purple and Lavender.
SEMPLE'S, Purple and Lavender.
QUEEN OF THE MARKET, Mixed.
$2.50 per 1000 by express;
50c. per 100 by mail.
Cash with order.
A. & G. ROSBACH, Pemberton, N. J.
Please mention the Exchange when writing.

ASTER and PANSY PLANTS Improved Late Branching, white and shell-pink, very double and large; and Crego, Mixed Colors, strong stocky plants, ready to bed out, 50c. per 100, postpaid; by express, 1000 for $3.00, 500 for $1.75. PANSY, Park Perfection, the best strain of Giant Pansies, largest size and greatest variety of rich and rare colors and markings; All colors in mixture, fine, stocky, field-grown plants, in bud and bloom, 1000 for $3.50, 500 for $2.00. Cash. The growing of Pansy and Aster seeds my specialties for 37 years.
L. W. GOODELL, - Pansy Park, - DWIGHT, MASS.
Please mention the Exchange when writing.

FAMOUS ASTER **Lady Roosevelt**
Last Special Offer of Seed This Season, ⅛ oz. 25c., ¼ oz. 40c. Order to-day and get my special Aster Plant Catalogue. Plants ready to ship by Mail or Express by May 10.
JOHN S. WEAVER
Box F Glen Mawr Seed Farms KINZERS, PA.
Please mention the Exchange when writing.

ASTER PLANTS
Queen of the Market, Perfection, Ostrich Feather, all in best mixed colors; late branching, in white, pink and lavender, strong and stocky, ready to plant out, at $2.50 per 1000; 500 at 1000 rate, 5000 lots at $2.00 per 1000.
SWEET WILLIAM (Double), fine, strong, one year old plants, $1.00 per 100, $8.00 per 1000.
GUSTAV PITZONKA, Bristol, Pa.
Please mention the Exchange when writing.

THE AMERICAN CARNATION
Price $3.50
STORRS & HARPER PTG. & PUB. CO., LTD.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

HEADQUARTERS FOR CYCAS STEMS

A MONEY MAKER FOR THE FLORIST

STRONG, HEALTHY TRUNKS. 25 lbs. for $2.25; 100 lbs., $8.00; 300 lbs., $22.00.

Sago Palm (Cycas Revoluta)

"VAPORITE"

Vaporite is a gray non-poisonous powder which, when it comes into contact with soil, gives off a vapor. This vapor kills all underground insects such as Wireworms, etc. Vaporite is for soil application—not for the leaves of the plant. Vaporite should be uniformly distributed on the surface or in the soil among the insects, so that the gas evolved may destroy them. 1 to 1½ lbs. is enough for a cubic yard of soil (about 1 cart load). 50c. per 5 lbs., 25 lbs., $1.50; $2.75 per 50 lbs.; per 100 lbs., $5.00.

Write for our Wholesale Catalog, it will interest you

HENRY F. MICHELL COMPANY, 10th and Market Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

500,000 PANSIES BEST MARKET STRAIN GROWN

Grown from seed of our own raising, this strain is the result of over 25 years' careful selection and for size, form and substance and wide range of color in clear, brilliant self's and novel shades and markings, they will be found unsurpassed. The colors are very evenly assorted and the growth is very strong and stocky. Fall transplanted plants ready to bud and bloom.

Price $10.00 per 1000. Larger Sizes $15.00 and $20.00 per 1000.

EXPRESS ONLY CASH WITH ORDER

I. E. COBURN, - 291 Ferry Street, - EVERETT, MASS.

Please mention the Exchange when writing.

GIANT EXHIBITION PANSIES

$1.00 per 100, $10.00 per 1000.

FORGET-ME-NOTS, BELLIS PERENNIS, large plants, $1.00 per 100, $10.00 per 1000.
SWEET WILLIAM, 3-in., $3.00 per 100.
SALVIAS, Bonfire and Zurich, 3-in., $4.00 per 100; 2¼-in., $2.00 per 100.
HELIOTROPE, Blue, 4-in., $6.00 per 100.
VERBENAS, PETUNIAS, Star, and Giants of California, 2¼-in., $2.00 per 100.
CANNAS, Austria, 3-in., $4.00 per 100.
STOCKS, 3-in., $3.00 per 100.
DRACAENAS, 6-in., 20c. each; 6-in., $40.00 per 100.
VINCA Variegata, 4-in., $8.00 per 100.
SMITH'S MOON VINES, 4-in., $8.00 per 100.
AGERATUM, Blue Perfection; DWARF PHLOX, and HARDY CHRYSANTHEMUMS, 2¼-in. pots, $2.00 per 100.

Vegetable Plants

Strong and transplanted.

CABBAGE, Wakefield, 60c. per 100, $4.00 per 1000.
TOMATOES, Dwarf Stone, Acme, Earliana, Tenderloin, and Stone, 60c. per 100, $5.00 per 1000.
LETTUCE, 25c. per 100.
Sweet Potato Plants later, $1.60 per 1000.

J. S. BLOOM
RIEGELSVILLE, PA.

Please mention the Exchange when writing.

READY NOW
250,000
SUPERB STRAIN

PANSIES

Fall transplanted pansies in bud and bloom. A trial order will convince you that our Superb Strain is the best you have ever handled. $1.25 per 100; $10.00 per 1000. Cash with order.

	Per 100
SALVIA, from 3½-in. pots	$5.00
GERANIUMS, from 3½-in. pots	6.50

Leonard Cousins, Jr.
Concord Junction, Mass.

Please mention the Exchange when writing.

ROEMER'S SUPERB PRIZE **PANSIES**

The finest strain of Pansies in the World. Introducer and Grower of all the Leading Novelties. Highest Award, at Mannheim 1907. Catalogue free on application.

FREDRICK ROEMER
Quedlinburg, Germany.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

In one window of Michell's Seed Store, 51S Market st., is a display of lawn mowers, hand cultivators, and seed sowers; in the other plant tubs, window boxes, insecticides and the implements for applying such bug killers. Perhaps the most notable object in either window is a "mummified" rat, fastened on a piece of cardboard. Rats and mice, it is shown, come to this condition by eating "Rat Corn," a rat and mouse exterminator which mummifies them after they have eaten it. It is not a poison, and the mummified rat has no odor. Rats and mice destroy millions of dollars' worth of stock annually, and are especially destructive in seed stores. This new exterminator has been tested in Michell's own store and found very effective, and should prove a great boon to many. Is it because Michell's Giant exhibition strain of Pansy seed is such a superior strain, or because Evans of Frankford is such a good grower, or both, that make the Pansy plants at Michell's so stocky and the blooms so immense this late in the season?

At Michell's 101S Market st. store there is noticeable in the window an ingenious mechanical invention, worked by electricity; on a lawn of green felt, a tidy little lass is pushing a lawn mower around and around in a vigorous and tireless way. Doubtless, many a lad as he passes stops and with a sigh wishes he had such a sister. Some exceptionally good monthly Roses in large sizes are noted here.

At the Stokes Seed Store are noted some very large potted Egg Plants. Mr. Stokes is still at his cottage in the Pocono Mountains, resting and fishing, and will not return till Wednesday.

The Johnson Seed Co. is showing the first Sweet Potato plants of the season, and Pepper plants also.

At Henry A. Dreer's the new "Dropmore" variety of Anchusa is noted. This is a hardy herbaceous plant which begins to produce large spikes of Phlox-shaped, blue flowers, when about two feet high, and reaches a height of five feet, blooming all Summer. Mr. Thilow of this house is in Trenton, N. J., for a few days.

Sugar Lettuce

This new variety is somewhat like a Romaine Lettuce. The leaves are crisp, dark green above and paler on the under side. They are bunched in a very compact, thick, small head and, as the variety is dwarf in growth, it may be cut as soon as it has reached 3½ in. or 4 in. across. Its habit is good, and it does not wilt easily. The flavor is very pleasant. Altogether, it is one of the best new varieties for Summer culture or for warm regions. Messrs. Cayeux & Le Clerc, the seedsmen, Paris, France, are introducing it this year.—*Revue Horticole.*

The New York Pure Seed Bill

As announced on page 823 of our issue of May 7, the Callan Pure Seed Bill passed the New York House of Assembly on Thursday, May 5, and is now before the Senate. We publish the provisions of the bill as just passed in its further amended form, and would draw the attention of seedsmen of New York State to one or two important changes which should be protested against.

In the bill published on page 650, issue of April 9, and as it was worded on the order of its second reading in the Assembly, the provision was made that "no person shall sell, offer, expose," etc. In the bill just passed this phraseology has been changed to "no wholesale or retail dealer shall sell, offer, expose," etc. In the first instance the onus was placed on the farmer as well as on the dealer; in the bill as now passed the farmer or grower is released of all responsibility. This evident intention of safeguarding the seed grower is further shown in the new clause which will be found printed in italics, which again distinctly and explicitly further releases that class from all responsibility.

This is practically the only opposition seedsmen have, as closely as we can ascertain, against the present bill, and as it is not likely that a committee of seedsmen will oppose the bill in the Senate, it remains that every seedsman interested should write to his State senators requesting that the phraseology be restored to its original intent in these two particular cases.

These objections will be found on line 15 of page 2 and lines 12 to 15 of page 3 of the Bill as it has just passed the Assembly.

The Callan Pure Seed Bill

Article 15

INSPECTION AND SALE OF SEEDS.

Section 340. Inspection and sale of seeds.
Section 341. Samples. Publication of results of examination.
Section 342. Provisions concerning actions.

Sec. 340. **Inspection and sale of seeds.**—Within the meaning of this article "agricultural seeds" are defined as the seeds of alfalfa, barley, Canadian blue grass, Kentucky blue grass, brome (awnless) grass, buckwheat, alsike clover, crimson clover, red clover, white clover, field corn, Kaffir corn, meadow fescue, flax, millet, oats, orchard grass, rape, red top, rye, sorghum, timothy and wheat which are to be used for sowing or seeding purposes. *No wholesale or retail dealer*—[previously "no person"] shall sell, offer, expose or have in his possession for sale for the purposes of seeding, any cereals or seeds of grasses or clovers, of the class known as agricultural seeds in quantities exceeding ten pounds, unless every receptacle, package, sack or bag containing such seeds, or a label securely attached thereto or enclosed therein, is marked in a plain indelible manner as herein provided. Said marks shall be on the receptacle, package, sack or bag itself if there is more than ten per centum of injurious foreign seed. Marks shall include the following:

a. The full name and address of the seller.

b. The name of the kind or kinds of seeds, except in case of mixtures prepared for special purposes, when so labeled.

Pansy Plants

Large plants in bloom, $1.26 per 100, $10.00 per 1000; smaller plants that will bloom soon, at $2.00 par 1000.

DAISIES (Bellis), FORGET-ME-NOT, in bloom, $1.60 per 100, $12.60 per 1000.
CINERARIAS, 4-in., bud and bloom, $6.00 per 100.
STOCKS and DUSTY MILLERS, 2½-in. pots, $2.00 per 100, 300 for $6.00.
CABBAGE PLANTS, ready for field, $1.26 per 1000, 5000 for $6.00.

J. C. SCHMIDT
BRISTOL, PA.

Please mention the Exchange when writing.

PANSIES

GIANT YELLOW PANSY PLANTS, with dark center, in full bloom, $1.26 per 100, $10.00 per 1000. Mixed Colors, all sold.

Cash with order.

PETER BROWN, 124 RUBY STREET Lancaster, Pa.

Please mention the Exchange when writing.

PANSIES

Stocky, heavy rooted, Spring transplanted; fine strain in bud and bloom, every plant a good one, $2.50 per 1000 to close out. **Eden's Royals,** finest cut flower and exhibition Pansies, 80c. per 100, $6.00 per 1000.
FORGET-ME-NOTS, hardy, everblooming, blue, white and pink; strong little clumps, $1.00 per 100.
DRACÆNA Indivisa, 3-in., $4.00 per 100.

EDEN NURSERIES, Port Allegany, Pa.

Please mention the Exchange when writing.

PANSIES

Fine cold-frame plants, in bud and bloom; $1.26 per 100.
PANSY Snow Queen, pure white, large plants in bud and bloom, $1.26 per 100.
PANSY SEED, finest mixture, $1.00 per pkt. of 4000 seeds, $6.00 per oz.

Cash with order.

E. B. JENNINGS, Lock Box 254 Southport, Conn.

Grower of the Finest Pansies

Please mention the Exchange when writing.

Plant Culture

By GEO. W. OLIVER.

Propagator to the Bureau of Plant Industry, U. S Department of Agriculture, Washington, D. C.

New, revised and enlarged edition, fully illustrated, handsomely printed on enameled paper and bound in Vellum de Luxe cloth, 12 mo., 300 pages. Sample pages on application. Purely an American book by an American author.

The Book of Books for the Grower. Compact, concise, practical, containing all the information bearing on present day practice. You need it for yourself, for your foreman, for your men.

SPECIAL OFFER

To New Subscribers or to Subscribers Renewing: The Florists' Exchange two years and one copy of Plant Culture by mail, postpaid, $3.00.

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Positively, Plant Culture will not be sold to non-subscribers at less than $1.50 per copy.

THE FLORISTS' EXCHANGE, P.O. BOX 1697 NEW YROK

SURPLUS STOCK

LILIUM AURATUMS

8 to 9 inches (130 in a case), $4.50 per case

LILIUM SPECIOSUM ALBUMS

8 to 9 inches (220 in a case), $13.00 per case

CYCAS STEMS

3 to 8 lbs. (300 lbs to a case), $16.50 per case

Prices F. O. B. New York. Sold only in case lots. Stock limited. Order at once.

BAMBOO STAKES

Natural and green, various sizes always on hand

YOKOHAMA NURSERY CO., Ltd. 31 BARCLAY ST. NEW YORK

Please mention the Exchange when writing.

ROSES

Own Root, Fine Stock

White Killarney, 2¼-in., $1.50 per doz., $8.00 per 100. Chateuay, Carnot, Kaiserin, Killarney, Perle, Richmond, Sunrise and Sunset, $6.00 per 100. Bride, Bridesmaid, Golden Gate and Uncle John, $4.00 per 100; 3-in. pots, $7.00 per 100, $60.00 per 1000.

GRAFTED, Fine Stock

My Maryland, 3-in., $18.00 per 100. Bride, Bridesmaid, Carnot, Chatenay, Enchantor, Golden Gate, Kaiserin, La France, Mrs. Jardin, Rhea Reid, Uncle John, Wootton, strong 1 year, grafted, 3-in. pots, $15.00 per 100; strong 1 year, own root, $8.00 per 100. This stock is fine for planting outside.

VERBENAS

Mammoth, in bud and bloom, $3.00 per 100.

CHRYSANTHEMUMS

Mrs. Clay Frick, Golden Dome, Golden Glow, Mlle. A. Laurent, Money Maker, White Shaw, Yellow Eaton. Rooted Cuttings, $2.00 per 100, $15.00 per 1000.

A. J. Balfour, Autumn Glory, Ada Spaulding, Cullingfordii, Dr. Engnehard, Dorothy Devens, Early Snow, Glory Pacific, Harry May, H. W. Reiman, Ivory, Jeanne Nonin, J. E. Lager, J. K. Shaw, Maud Dean, Meta, Mrs. Jerome Jones, Miss Alice Byron, Mrs. Baer, Mrs. R. McArthur, Maj. Bonnaffon, Nagoya, Polly Rose, Riverside, Robt. Halliday, Timothy Eaton. Rooted Cuttings, $1.50 per 100; 2¼-in. pots, $3.00 per 100, $25.00 per 1000.

CANNAS

From 3½-in. pots, 30 fine varieties, $6.00 and $8.00 per 100.

MISCELLANEOUS PLANTS

Ready for Immediate Sales.

	Size Pots	100
ALYSSUM	2¼	$3.00
ACHYRANTHES, 5 sorts	2¼	3.00
ABUTILON Savitzii	2¼	4.00
ABUTILON Savitzii	3	6.00
AGERATUM Blue and White	2¼	3.00
AGERATUM, Blue and White	3½	4.00
ALTERNANTHERA, Red and Yellow	2¼	3.00
AMPELOPSIS Veitchii	3	8.00
ASPARAGUS Sprengeri	2¼	4.00
ASPARAGUS Sprengeri	4	8.00
ASPARAGUS Plumosus	2¼	4.00
ASPARAGUS Plumosus	3	6.00
BEGONIA Erfordi, Pink and White	2	3.00
BEGONIA Crimson Bedder	2	4.00
BEGONIA Flowering Sorts	3	6.00
BEGONIA, Flowering Sorts	3½	8.00
CUPHEA Platycentra	2¼	3.00
COLEUS, All leading sorts	2¼	3.00
COLEUS, All leading sorts	3	4.00
DRACAENA Indivisa	6	25.00
DRACAENA Indivisa	4	15.00
ENGLISH IVY	3½	8.00
FEVERFEW, Double White	2¼	3.00
FUCHSIAS, Dble and Single	2¼	3.00
FUCHSIAS, Dble and Single	3½	7.00
GERANIUMS, Dble and Single	3½	$7.00
Special Varieties	3½	8.00
Double and Single	2¼	3.00
Ivy-leaved, Double	3½	8.00
Fragrant Rose, etc.	3½	8.00
Fancy-leaved	3½	8.00
HELIOTROPE, Light and Dark	2¼	3.00
Light and Dark	3½	6.00
IVY, GERMAN	2¼	3.00
LANTANAS in variety	3	6.00
LOBELIAS, New Double Blue	2¼	4.00
LOBELIA, New Double Blue	3	6.00
MOONVINE, True White	2¼	4.00
MOONVINE, True White	4	10.00
PETUNIAS, Dreer's Single Fringed	2¼	3.00
SALVIAS, Splendens and Bedman	4	6.00
Splendens and Bedman	2¼	3.00
New Early Flowering	2¼	4.00
SMILAX, strong	3	3.00
STEVIA compacta	2¼	3.00
STEVIA Variegata	2¼	3.00
TROPAEOLUM, Double	2¼	4.00
VINCAS, Variegata and Elegans	3	6.00
Variegata and Elegans	4	10.00
VIOLETS, Marie Louise, R. C.		1.50

Send for Catalog.

WOOD BROTHERS, FISHKILL NEW YORK

Please mention the Exchange when writing.

HELLO! Here is a chance for

CHEAP SPRING STOCK

Geraniums, all varieties, in bud and bloom; Ageratums, new varieties; Begonia Vernon and Stocks, 4-in. pots, at $6.00 per 100.

Double Petunias, white, very large flowering and variegated varieties, and Flowering Vincas, 4-in. pots, $7.00 per 100.

Cannas, all varieties, 4½-in. pots, $7.00 per 100.

Hydrangeas, for planting out, 2½-in. pots, $3.00 per 100.

Periwinkle, very long vines, $10.00 per 100; nice plants, but not so long, $7.00 per 100, in 4-in. pots.

Coleus, in 10 fancy colors; Ageratum, Alternantheras, red and yellow; Cigar Plants, Ground Ivy, Sweet Alyssum, Petunias, Phlox, Pyrethrum or Golden Feverfew, Verbenas, Lobelia, long and short; Begonia Vernon, all in 3-in. pots, $2.50 per 100.

Cash with order, please.

MRS. J. H. CLAUS, 1119-21 Roy St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

A Few Good Things You Want

DRACAENA Indivisa, 3-in., $5.00 per 100; 4-in., $10.00 per 100.

BEGONIA Rex, 2-in., $5.00 per 100.

ASPARAGUS plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100. Cut sprays, 25c. per bunch.

ASPARAGUS Sprengeri, 3-in., $5.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.

FERNS, Whitmani, 4-in., 25c. each. Boston, 4-in., 15c. each; 5-in., 25c. each.

COLEUS, ALTERNANTHERAS, red and Yellow, VERBENAS, HELIOTROPE, CIGAR PLANT, SALVIA (Scarlet Sage), Zurich (always in bloom), VINCA Variegata, 2-in., stock of these, $2.00 per 100.

Cash with order, no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

PETUNIAS Single Petunias of Ruffled Giant, California Giant, and Ruffled, striped and blotched. A No. 1 stock, 2¼-in. pots, $2.00 per 100, $18.00 per 1000.

GERANIUMS, 4-in., in bud and bloom, Nutt, Ricard, Viaud, Peter Henderson, Buchner, Poitevine, and Rose Geraniums, $6.00 per 100, $50.00 per 1000.

LOBELIA, Crystal Palace, 2¼-in., $2.00 per 100. Cash please.

S. A. PINKSTONE, 206 Court Street UTICA, N. Y.

Please mention the Exchange when writing.

c. The name of any foreign injurious seeds present to the extent of three per centum or over by count, and both the name and percentum of the following adulterants if present: Yellow trefoil in red clover; yellow trefoil, burr, clover, sweet clover or dodder, in alfalfa; Canadian blue grass in Kentucky blue grass; meadow fescue or rye grass in orchard grass; Yellow trefoil in alsike clover.

d. With the claimed per centum of purity of the sample by count which shall be not more than three above the per centum determined by official examination.

The provisions of this act shall not apply to any person selling agricultural seeds or cereals to seed merchants, or shipping to a general market to be cleaned or graded before being offered or exposed for sale for seeding purposes. [This paragraph is new in its entirety.]

Sec. 341. **Samples, publication of results of examinations.**—Samples of seed shall be taken in duplicate, both samples shall be sealed promptly and one shall be tendered and, if accepted, shall be delivered at the time of taking to the person apparently in charge and a receipt taken therefor, unless refused. The commissioner of agriculture is hereby authorized to publish from time to time the results of seed examination, together with the names and addresses of dealers from whom the samples examined were taken.

Sec. 342. **Provisions concerning actions.**—No action shall be maintained for a violation of any of the provisions of this article if the seed was not sold or exposed for sale; nor shall any such action or any action for the breach of a legal duty or obligation in the sale of agricultural seeds be maintained by the buyer against the seller unless such action is commenced within a reasonable time after the sale and before the sowing or other use of the seeds, nor unless the claim or claims of such buyer are based upon properly drawn samples of such seed from the bulk thereof.

Sec. 3. This act shall take effect July first, nineteen hundred and ten.

The Lincoln Pea

A short time since I was referring to a new dwarf culinary Pea called "The Lincoln," believing that it would prove a worthy item for your growers to handle. Seemingly, I was behindband, for one or two of your firms have already got wind of Lincoln, and one party, who tested a bushel or two last year, was so pleased with it that he has written for quotations for the 1910 crop. The raisers inform me that it is their intention to offer Lincoln to American buyers on a large scale this coming Autumn, and I advise uptodate people to remember this fact.

I might also add that the raisers of this variety are still busy breeding Peas, and they have favored me with a number of samples, the parentage of which suggest great things. T. A. W.

Coming Exhibitions

Boston, Mass., May 26-30, 1910.—Great Exhibition of Orchids and other plants by the Massachusetts Horticultural Society. Secretary, William P. Rich.

Minneapolis, Minn., Nov. 10-16, 1910.—Flower Show of the Minnesota State Florists' Association. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, Secretary, 6473 Florissant ave., St. Louis.

CULTURAL DIRECTIONS

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

A. T. DE LA MARE CO. (Pubrs. F. E.). P. O. Box 1697, New York

40,000 Vinca Variegata

Rooted Cuttings 90c. per 100, $8.00 per 1000.

ASTERS, Market White, $3.00 per 1000.

STOCKS, Princess Alice and Beauty of Nice, 2-in., $1.50 per 100.

COLEUS, 2-in., $1.50 per 100.

DUSTY MILLER, 2-in., $1.50 per 100.

AGERATUM, White and Gurney, 2-in., $1.50 per 100.

LANTANAS, 2-in., $2.00 per 100.

SWEET WILLIAMS, $3.00 per 1000.

SWAINSONA alba, 2-in., 2c.

GERANIUMS, Grant, etc., 2-in., $2.00 per 100.

FEVERFEW, 2-in., $2.00 per 100.

VINCAS, 2-in., $2.00 per 100.

ALTERNANTHERAS, 2-in., $2.00 per 100.

CUPHEA, 2-in., $1.50 per 100.

Rooted Cuttings, prepaid per 100: Heliotrope, $1.00; Paris Daisy, yellow, $1.00; Cophea, 75c.; Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, Rosea, P. Major, Aurea nana, 50c. per 100, $4.50 per 1000; Ageratum, 3 kinds, 60c.; Stevia, 75c.; Dbl. Petunias, 10 kinds, $1.00.

Cash with order.

Byer Bros., Chambersburg, Pa.

Please mention the Exchange when writing.

200,000 First Class Plants

All Fine Stock—Sure to Please

Geraniums, in bud and bloom, Nutt, Buchner, Double Grant, Poitevine, strong 4-in., $5.00 per 100; strong, 5-in., 2 to 6 branches, $9.00 per 100; strong, 3-in., $4.00 per 100. Rose-Scented Geraniums, 5-in., $8.00 per 100. Cannas; Heliotrope in bloom; Vinca Variegata; Lemon Verbenas; strong, 4-in., $5.00 per 100. Lemon Verbenas, 12 to 20 branches; Vinca Variegata, 5 to 9 vines; $6.00 per 100. Mme. Salleroi Geraniums; stocky, 3-in., $2.50 per 100. German Ivy and Petunias, Dreer's Superb Single-flowered, 4 to 10 branches, 3-in., in bloom; each $3.00 per 100. 30,000 Salvias, heavy, 3 and 4-in., in bloom, $3.00 and $4.00 per 100; 2 and 3-in., $1.75 and $2.50 per 100. 30,000 Coleus, 12 varieties; Ageratum; Mme. Salleroi Geraniums; all strong, 2-in., $1.50 per 100, $14.00 per 1000. Dracaena Indivisa, 6-in., $3.00 and $4.00 per dozen. Cash.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

TRADE LIST

CLEMATIS, large-flowering varieties, 2-year-old plants; Henryi, Mme. Veillard, $3.00 per doz.

CLEMATIS paniculata, strong plants, $10.00 per 100; 3-in. pots, $6.00 per 100.

DRACAENA Indivisa, 4-in. pots, $10.00 per 100.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100 Seedlings from flats, 60c. per 100.

PASSIFLORA coerulea, 3-in. pots, $5.00 per 100.

ALTERNANTHERAS, four varieties, 2-in. pots, $2.00 per 100.

SWAINSONA alba, 2½-in. pots, $3.00 per 100.

ALYSSUM, Carpet of Snow, 2½-in. pots, $3.00 per 100.

PETUNIAS, Star and Rosy Morn, 2½-in. pots, $3.00 per 100.

CLEMATIS Vitalba, strong seedlings, $1.00 per 100; $8.00 per 1000. This is a very useful and fast growing variety of Clematis, bearing long sprays of sweet scented white flowers.

Plants from 2½-in. pots, $3.00 per 100: ACHYRANTHES; LOBELIAS, double and single blue; PARLOR IVY; VINCA variegata; AGERATUM, blue; COLEUS, Verschaffeltii, Queen Victoria, Quatricolor; GOLDEN FEATHER, ALYSSUM, Carpet of Snow, PETUNIAS, Star and Rosy Morn.

STOCK from 3-in. pots, $4.00 per 100: GERANIUMS, Rose and Nutmeg; LANTANA, Le Naine; FEVERFEW, The GEM; IVY GERANIUMS; IVY, Hardy English.

HONEYSUCKLE Halleana, and WOODBINE. Plants, from 4-in. pots, $1.60 per doz.

C. EISELE

11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

PETUNIAS

Fringed Ruffled Giants. From 3-in. pots, $3.00 per 100.

SNAPDRAGONS, White, Yellow, Crimson, Pink, or Mixed. From 2-in. pots, $2.00 per 100.

MIMULUS TIGRINUS, 3-in., $3.00 per 100.

CHRYSANTHEMUMS, Major Bonnaffon, from 2½-in. pots, $3.00 per 100.

ALBERT WM. BOERGER, GARDENVILLE N. Y.

Please mention the Exchange when writing.

VOLUME 1 NUMBER 3

BODDINGTON'S STORE NEWS

BARGAINS SATURDAY, MAY 14th, 1910 BARGAINS

PUBLISHED EVERY NOW AND AGAIN

Remember you may deduct 5% if cash accompanies order.

CANNAS

We are sold out of all Cannas, with the exception of the following varieties, and offer until sold at the prices quoted.

F. O. B. NEW YORK OR CHICAGO FOR IMMEDIATE DELIVERY

RED-FLOWERING CANNAS

	100	1000
J. D. Eisele, scarlet, 5 ft.	$1.75	$16.00
Exp. Crampbell, 6½ ft.	1.50	14.00

RED, GOLD-EDGED AND SPOTTED SHADES

Gladiator, 4 ft.	2.75	26.00
Indiana, 3 to 4 ft.	1.75	16.00
Mad. Crozy, 5½ ft.	2.00	17.50
S. de A. Crozy	2.00	17.50

PINK SHADES

Louise, 6 ft.	1.75	15.00
Mlle. Bernt, 4½ ft.	1.75	15.00

BRONZE-LEAVED, FLOWERING CANNAS

Shenandoah, 6 ft.	1.75	15.00

ORCHID-FLOWERING CANNAS

Italia, 4½ ft.	1.75	15.00
Kronos, 5 ft.	1.75	15.00
Mrs. Kate Grey, 6 ft.	1.75	15.00

Our Cannas are packed 250 in a box; two can be "cleated" together and shipped as one. One box of 250 sold at 1000 rate. It is cheaper for you to buy a box than 200 at 100 rate.

Not less than 25 of one variety at 100 rate or 250 of one variety at 1000 rate.

Chicago and Western agents for our Cannas: WINTERSON'S SEED STORE 45-47-49 Wabash ave., Chicago, Ill.

CALADIUM ESCULENTUM

ELEPHANT'S EAR

Bulbs 6 to 8 inches in circumference, 200 in a case, 25c. per doz, $2.00 per 100, $15.00 per 1000.

Bulbs 8 to 10 inches, 100 in a case, 60c. per doz., $3.50 per 100, $30.00 per 1000.

Bulbs 10 to 12 inches, 75 in a case, 75c. per doz., $6.50 per 100, $50.00 per 1000.

Bulbs 12 to 13 inches, 50 in a case, $1.00 per doz., $8.00 per 100, $75.00 per 1000.

Full cases at 100 rate.

TUBEROSES

"RED SEAL BRAND," EXCELSIOR PEARL

4 to 6 inches 75c. per 100, $6.50 per 1000; 5 to 7 inches, $1.00 per 100, $7.50 per 1000; 6 to 8 inches, $1.25 per 100, $12.00 per 1000.

GLADIOLI

America. This beautiful new Gladiolus is likely to produce as great a sensation as the now famous Princeps. The flowers, which are of immense size, are of the most beautiful flesh-pink color, and, as a florist who saw it said, it is "fine enough for a bride's bouquet." 60c. per doz., $3.25 per 100, $30.00 per 1000.

1900. Nothing finer for florists' use. Rich shade of red with very prominent white spots on three lower petals. $2.00 per 100, $16.00 per 1000.

Groff's Hybrids (originator's strain). $1.25 per 100, $10.00 per 1000.

Shakespeare. White and rose. $4.75 per 100, $45.00 per 1000.

May. Pure white, flaked rosy crimson, the best forcer selected bulbs. $1.75 per 100, $16.00 per 1000.

Brenchleyensis (true). Fiery scarlet; first size bulbs. $1.25 per 100, $9.00 per 1000.

Boddington's White and Light. Extra-selected bulbs, 1¾ inches and up. $1.25 per 100, $10.00 per 1000.

American Hybrids. A mixture of the choicest varieties of Gladiolus. $1.00 per 100, $9.00 per 1000.

Pink and Rose Shades. $1.50 per 100, $14.00 per 1000.

Lemoine's Hybrids. $1.50 per 100, $12.00 per 1000.

Finest All Colors Mixed. 75c. per 100, $7.00 per 1000.

DAHLIAS

After considerable consideration and observation, and "talks" with the trade, we have decided to offer the following Dahlias to florists this season. Our retail Catalog, which will be mailed free, contains a larger collection, but few are superior to the following and all are good size, divided clumps that have been field-grown and are strong and healthy.

Price of all the below-named varieties of Dahlias, large divided clumps or roots, except where noted, 10 cts. each, $1.00 per doz., $3.00 per 100, $75.00 per 1000.

Jack Rose (Decorative type). The variety Jack Rose is rightly named and is a florist's Dahlia, "from the ground up." The color is similar to the Jacqueminot Rose, and is a unique color in the Dahlia, which lights up beautifully at night. The habit of the plant is stocky, very free-flowering. Producing its blooms in great profusion, upon erect, long, stiff stems, making it invaluable for cutting. You cannot afford to be without it, if you sell cut-flowers. 35c. each, $3.50 per doz., $25.00 per 100.

DECORATIVE DAHLIAS

Sylvia. Best described as a Giant Nymphæa, being stronger, larger and deeper colored. Flowers 4 to 6 inches in diameter, of fine form and full to the center, which is white, shaded to soft pink on the outer petals. One of the best cut-flower varieties. 10c. each, $1.00 per doz., $7.50 per 100.

Catherine Duer. Crimson-scarlet.

Clifford W. Bruton. Best yellow. 10c. each, $1.00 per doz., $7.50 per 100.

Frank L. Bassett. Bright purple, shading to blue.

Lyndhurst. Bright scarlet.

Maid of Kent. Cherry-red, tipped white.

Nymphaea. Color clear, light shrimp-pink.

Orange King. Rich glowing orange; early and profuse.

William Agnew. Rich, dazzling red; immense size.

CACTUS DAHLIAS

Berlichingen. Deep crimson-carmine shading to bright carmine at the tips.

Bravo. Rich Jacqueminot-red; one of the best for cutting.

Countess of Lonsdale. Amber and salmon. 10c. each, $1.00 per doz., $7.50 per 100.

Earl of Pembroke. Bright plum. 15c. each, $1.50 per doz., $12.00 per 100.

Helene. Center creamy.

Kriemhilde. One of the finest pink Cactus Dahlias. 10c. each, $1.00 per doz., $7.50 per 100.

Libelle. A fine purple.

Ortwin. Beautiful salmon-flesh.

Standard Bearer. Brightest scarlet; profuse bloomer. 15c. each, $1.50 per doz., $12.00 per 100.

SHOW AND FANCY DAHLIAS

A. D. Livonl. Beautiful soft pink; early and profuse bloomer. 10c. each, $1.00 per doz., $7.50 per 100.

Arabella. Pale primrose, tipped and shaded old rose and lavender.

Grand Duke Alexis. Very large white, tinted pale lavender.

Glowing Coal. Brilliant red.

Green's White. One of the best whites for cutting.

Harlequin. Brilliant crimson, striped and tipped white.

John Thorpe. Very large; soft rich pink.

Meneddy Beauty. Fancy buff, with crimson spots, free long stems, large bloom. 8c. each, 80c. per doz., $6.00 per 100.

Frank Smith. Rich, dark purple maroon, tipped pinkish white. A superb flower. 25c. each, $2.50 per doz.

Red Hussar. Pure cardinal, red flower, very free bloomer, splendid for cutting.

White Swan. Snow-white, with long stems.

SINGLE DAHLIAS

The 20th Century. Intense rosy crimson, with white tips and white disc around yellow center. 10c. each, $1.00 per doz., $7.50 per 100.

DAHLIAS TO COLOR

We can also furnish, without names, in mixture, all colors separate, or all colors mixed, as follows:

Mixed Pinks, Mixed Whites, Mixed Reds, Mixed Yellows. 75c. per doz., $6.50 per 100, $50.00 per 1000.

Mixed, all colors. 60c. per doz., $4.50 per 100, $40.00 per 1000.

HARDY CLIMBERS, Etc.

AMPELOPSIS Strong Dutch-Grown

Quinquefolia (American Ivy, or Virginia Creeper). Good for covering walls, verandas, or trunks of trees; affords shade quickly. 25c. each, $1.75 for 10, $15.00 per 100.

ACTINIDIA ARGUTA

A desirable Japanese climber of strong, vigorous growth, with dark green, shining foliage and white flowers with purple centers, which are followed by clusters of edible fruit. An excellent plant for covering arbors, trellises, etc., where a rapid and dense growth is desired. Strong plants, 25c. each, $2.50 per doz.

CLEMATIS

Henryi. Pure white; extra large.

Alba. White.

Jackmanni. Purple.

Sieboldi. Lavender.

Ville de Lyon. Brilliant carmine-red; as good as Mme. Edouard Andre, but contrary to this one, is very free-growing.

Extra-strong plants, 30c. each, $2.75 for 10, $25.00 per 100.

Clematis paniculata. Strong, 2-year-old plants, $2.00 per doz., $15.00 per 100.

BIGNONIA (Trumpet Vine)

Radicans. Dark red, orange throat; free-blooming and very hardy. 20c. each, $2.00 per doz.

ARISTOLOCHIA SIPHO

Dutchman's Pipe. Strong, field-grown, 3 to 4 feet. 35c. each, $3.25 for 10, $30.00 per 100.

HONEYSUCKLE

Very extra-strong, Holland field-grown plants. 6 to 8 feet long, many branches.

Halliana. Yellow. $3.25 for 10, $30.00 per 100.

HYDRANGEA PANICULATA GRANDIFLORA

Two-year-old, 3 to 4 branches, bushy. $1.50 per doz., $10.00 per 100.

INCARVILLEA

INCARVILLEA Delavayi (Hardy Gloxinia) The foliage resembles that of the acanthus, while the blossoms appear like clusters of pink Gloxinias. Strong roots. 10c. each, 75c. per doz., $5.00 per 100.

CINNAMON VINE

Large-size bulbs. 60c. per doz., $3.00 per 100, $25.00 per 1000.

CALLAS, SPOTTED LEAF

(Richardia albomaculata)

Very free Summer-blooming variety. $3.00 per 100, $25.00 per 1000.

HYACINTHUS CANDICANS

HYACINTHUS Candicans (Cape Hyacinth) Large bulbs, $1.50 per 100, $12.00 per 1000.

MADEIRA VINES

Large bulbs, $1.25 per 100, $10.00 per 1000.

MONTBRETIAS

Crocosmaeflora. Orange-scarlet. 75c. per 100, $6.00 per 1000.

Etoile de Feu. Rich scarlet, yellow center. 75c. per 100, $6.00 per 1000.

Rayon d'Or. Deep yellow, very large. 75c. per 100, $6.00 per 1000.

Pottsii grandiflora. Bright yellow, flushed with red. 75c. per 100, $6.00 per 1000.

Soleil Couchant. Bright red. 75c. per 100, $5.00 per 1000.

JAPANESE IRIS

(Iris Kaempferi)

Named varieties, our selection, $1.25 per doz., $10.00 per 100, $75.00 per 1000. 25 at 100 rate, 250 at 1000 rate.

AMARYLLIS

Vittata Hybrids. These are grown especially for us and contain a remarkable range of colors from self pure white to darkest crimson, or flaked and striped. These are easily grown. Florists should certainly grow a few of this delightful plant that sells on sight. 40c. each, $4.00 per doz., $8.00 for 25, $30.00 per 100.

Belladonna major. $1.00 per doz., $7.00 per 100.

Johnsoni (Bermuda Spice Lily). Crimson flowers, white stripes. $1.75 per doz., $14.00 per 100.

ARTHUR T. BODDINGTON

SEEDSMAN Please mention the Exchange when writing. 342 West 14th Street, NEW YORK

California Plant Notes

STREPTANTHUS, Jewel-flower, is a species of plants which belongs to the Mustard family, Cruciferæ, and is one of the attractive Spring-flowering annuals on this Coast. Its beauty is in the bud stage of development. The sepals are a brilliant purple or black color, and when about ready to open are pendant on pedicles half an inch long. The petals are pointed, curiously twisted, variegated yellow or white with maroon markings, yet not large enough to be conspicuous. The hair splitting discriminations of botanists is something wonderful to contemplate. In the extreme south end of the San Joaquin Valley, is found a variety of this plant with well developed, two-lobed stigmas on the terete seed pods, the only difference between it and varieties found elsewhere, and because of that fact some one chose to name it Stanfordia Californica.

CASTILLEIA, a member of the Figwort family, Scrophulariaceæ. Of this wonderfully brilliant flowering plant three varieties abound in different sections of the State. The plant is a woody herb, 12 to 18 in. high, furnished with persistent, sessile, silvery gray, linear foliage. The flowers are a combination of vermilion-colored bracts, calyces and sepals, while the corolla is yellow though not large. The spikes are three to six inches long, two inches diameter. When landscape gardeners on this Coast have learned to appreciate what has been so abundantly provided for them by a beneficent Creator, plants unsurpassed in beauty by those of any other section of the globe, and that, too, adapted to our peculiar climate, and use them in beautifying artificial landscapes, which are given them for that purpose, then shall we see beautiful estates, distinctively Californian, which may be maintained in perfect condition, and at comparatively little expense.

MECONOPSIS HETEROPHYLLA, a member of the Poppy family, is never seen in cultivation. Its brilliant salmon-colored flowers, with maroon-colored centers are borne on long stems, and when planted in a mass the effect is gorgeous when they are in bloom. They flower before our California Poppies, Eschscholtzia, and seem to come true to the type which the Eschscholtzias do not.

LUPINUS CHAMISSONIS of various shades of blue, violet, pink and white, and L. arboreus, the yellow, fragrant species, are two shrubs which grow to a height of four to ten feet, than which there is nothing more beautiful among shrubs—yet they are never seen in cultivation. We ransack the world for plants and spend time and energy on exotics of doubtful adaptability, and persist in our efforts to compel them to adjust themselves to new conditions and environments, and the result is in very, very many cases, failure; whereas, if we would use native plants and cultivate them with as much assiduity as we do exotics, hundreds of acres of our now desert lands would be the wonder of the world, because of their wealth of flowers. P. D. BARNHART.

F. E.—Best Advertising Medium

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.
BEDFORD, MASS.

Please mention the Exchange when writing.

Evergreens Plant Now

ARBORVITÆ
Transplanted.
3 to 4 feet.....$40.00 per 100
2 to 3 feet..... 8.00 per 100

COLORADO BLUE SPRUCE (Koster's true)
Transplanted.
18 to 24 in...$1.00 each, $80.00 per 100
12 to 18 in... .75 each, 60.00 per 100

NORWAY SPRUCE
Transplanted.
3 to 4 feet.....$30.00 per 100
2 to 3 feet..... 8.00 per 100

CALIFORNIA PRIVET
2 yr., cut back, extra heavy.
3 to 4 feet..$4.00 per 100, $35.00 per 1000

BERBERIS THUNBERGI
Seedlings.
3 to 5 inches.....$8.00 per 1000
2 to 3 inches..... 5.00 per 1000

C. R. BURR & CO.
The Burr Nurseries
MANCHESTER, CONN.

Please mention the Exchange when writing.

P. OUWERKERK

216 Jane Street
WEEHAWKEN HEIGHTS, N. J.
P. O. No. 1, Hoboken, N. J.
Just Received From Our Holland Nurseries
Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.
PRICES MODERATE

Please mention the Exchange when writing.

NEW Hydrangeas

AVALANCHE (Snow-white)
LORRAINE (Pink)

Both are easy to grow and will keep better than any Hydrangea in cultivation.

2½ inch pots, ready to plant out, $5.00 per dozen.

LOUIS DUPUY
Whitestone, (L. I.) N. Y.

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WHITE KILLARNEY ROSES

(**Waban Strain**) from 2-inch pots, at $8.00 per 100.
Cash with order.

J. HENRY BARTRAM, Lansdowne, Pa.
ROSE LAWN GREENHOUSES

Please mention the Exchange when writing.

ROSES IN PLENTY

On own roots, Summer grown, Winter rested. See column advertisement, page 775, April 30th, The Florists' Exchange.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Please mention the Exchange when writing.

Rose Plants

Grown on own roots, kept in cold houses during the Winter, now coming into bud and just right for outdoor planting; General Jacqueminot, Gruss an Teplitz, Clothilde Soupert, Crimson Rambler, etc., 6-in pots, $35.00 per 100.
Prairie Queen, 6-in. pots, very large, $3.00 per doz.; 6-in. pots, very large, $2.40 per doz.
Pres. Carnot, Clothilde Soupert, Richmond, La France, Louis Phillipe, Gruss an Teplitz, Gen. Jacqueminot, etc., 5-in. pots, $25.00 per 100.
CRIMSON RAMBLERS FOR GROWING ON, 2½-in. and 3-in. Rose pots, $4.00 per 100.

HYDRANGEAS

HYDRANGEA Otaksa, for growing on, 2½-in. pots, $4.00 per 100, $36.00 per 1000.
HYDRANGEA Otaksa, 8-in. pots, 6 to 8 flower buds, $15.00 per doz.
HYDRANGEA Otaksa, 6-in. pots, 2 to 3 flower buds, $5.00 and $6.00 per dozen.

BUTTON DAISIES (Bellis Perennis), large clumps, $3.00 per 100.
FUCHSIAS, GERANIUMS, VERBENAS, PETUNIAS, SALVIA Zurich, PYRETHRUM aureum, etc. Prices on application.

J. WILLIAM COLFLESH
53rd St. & Woodland Ave., PHILADELPHIA, PA.

Please mention the Exchange when writing.

NORTHERN GROWN NURSERY STOCK

We Grow a General Assortment of
Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.
Prices Reasonable. Wholesale Trade List for the Asking
THE BAY STATE NURSERIES, North Abington, Mass.

Please mention the Exchange when writing.

THE AMERICAN CARNATION

Price $3.50. Send for Sample Pages

A. T. DE LA MARE PTG. & PUB. CO., LTD. 2-8 Duane Street, NEW YORK

STANDARD—TREE BOX—PYRAMIDAL

General List of Nursery Stock
Write for trade list
W. & T. SMITH COMPANY
64 Years GENEVA, N. Y. 800 Acres

Please mention the Exchange when writing.

Evergreens Shrubs Shade Trees Privet

100 Acres of Nursery. Ask for quotations upon your own list of wants.
HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Bay Trees—Boxwood

All shapes and sizes at lowest prices
Write and be familiar with my bargains.
F. W. O. SCHMITZ, Prince Bay, N. Y.

Please mention the Exchange when writing.

EBBINGE & VAN GROOS

Formerly THE HORTICULTURAL CO.
BOSKOOP, HOLLAND
Hardy Nursery Stock such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.
Ask for catalogue.

Please mention the Exchange when writing.

KOSTER & CO.

HOLLANDIA NURSERIES
Boskoop, Holland.
Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.
Catalogue free on demand.

Please mention the Exchange when writing.

August Haerens

Somergem, Belgium
Special grower of High-Grade and new
Azaleas, Kentias, Araucarias, Bays, etc.
AUGUST ROLKER & SONS, AMERICAN AGENTS
31 Barclay Street NEW YORK

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LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES
WILLIAM WARNER HARPER, Proprietor
Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

American Pillar

THE NEW CLIMBING ROSE
See our Display Advertisement, page 772 April 30th Florists' Exchange
2½-inch pot plants, $1.50 per dozen, $8.00 per 100, $75.00 per 1000
4-inch pot plants, $3.50 per dozen, $25.00 per 100.

The Conard & Jones Co.
WEST GROVE, PA.

Please mention the Exchange when writing.

WE are entirely sold out in all the stock we have been advertising. Your paper certainly is a hustler.

Address of this advertiser on application.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

50,000 FIELD-GROWN MYRTLE

$6.00 per 100, $50.00 per 1000
250 of these plants, with the soil well shaken from the roots, will fill a barrel.
CASH WITH ORDER
LOUIS STOSSEL, Maspeth, corner Clermont Aves. **Maspeth, N. Y.**

Please mention the Exchange when writing.

Dianthus, Sweet William and Hardy Pinks

A fine assortment of strong plants, from 2½-inch pots, at **$3.00** per **100.**
F. O. B. our shipping point, Trenton, N. J.

200 SWEET WILLIAM—Single, red and white.
700 " " —Everblooming hybrid, Dianthus atrococcineus, fl. pl.
200 " " —Single, crimson.
1400 " " —Single, white.
1000 " " —Maroon.
200 HARDY PINKS—Dianthus plumarius sempervirens.
400 " " —Single, mixed.

The Wm. H. Moon Co., Morrisville, Pa.

Please mention the Exchange when writing.

ALMA NURSERIES Oudenbosch, Holland

NURSERIES AT OUDENBOSCH AND BOSKOOP
Proprietors {U. J. Heerma Van Voss. H. A. M. Swellengrebel.
Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.
Large stock of ORNAMENTAL TREES and SHRUBS, CONIFERS, EVERGREENS, etc.
First-class stock only. Prices reasonable. Sole American Agent:
J. MEERKAMP VAN EMBDEN, JR., Mount Vernon, N. Y.
ASK FOR OUR GENERAL CATALOGUE AND SPECIAL OFFER

Please mention the Exchange when writing.

AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer. **25th Annual Convention at Denver, June 8, 9 and 10.**

Double-Flowered Ghent Azaleas Though there are numbers of persons who say they prefer single to double flowers, there is no disputing the fact that double ones are more showy and more lasting. For this reason there is a call always for double-flowering shrubs and trees, and at this season, with the many Azaleas in bloom, there is much admiration expressed for the different varieties seen in collections. Ordinary single Azaleas last but a short time in flower, especially when in the full sunshine all day, and it is under such conditions the double ones surpass them. They have endurance in like circumstances, besides having the lasting qualities of all double flowers.

A friend who is interested in double flowers asked recently if such a thing as a double-flowered Rhododendron was known. The writer does not know if there is such; he has never seen one, but is prepared to welcome one when it comes.

A Pruned Purple Beech In the writer's opinion a closely pruned tree is not always handsome, in fact rarely is, a free growth being much more desirable. There are cases, however, where they are quite in place, as well as necessary, as in the example of the pruned Purple Beech of the illustration. This tree stands near a dwelling, and there is not over much room to spare; were it to grow at will, as Beech trees do, it could not be permitted there at all, but in its pruned appearance it is well situated with its surroundings. This tree has reached its present perfect shape after many prunings.

To have such a tree very bushy and perfect it should have two prunings a year; one in June when its growth is still active, another one in September when growth has ceased for the season. The tree photographed shows its condition in late July, after having had one pruning in June. The next one it receives, or should receive, will be to cut back the shoots made since the pruning, so as to leave a uniform, even surface for the interval between September and next June.

When it is not wished to have a clean, even surface through the Winter the tree could be left as it is until next Spring, and then be closely pruned. It is more attractive with the young growth on it, as it is, most everyone would say.

This Beech is the one known as Rivers' Purple, a variety with very dark foliage, and which is propagated by grafting and in other ways, but not from seeds. Seedlings do not produce the deep purple foliage of the Rivers' Purple, and so are often termed Copper Beeches.

Pruned Purple Beech

Rhododendron Beds The greater number of Rhododendrons planted here, aside from the wild ones, are imported plants. These plants coming to us with balls of black or peaty soil to their roots give the impression that similar soil is necessary to their well doing here, which is not the case. The black soil on those from Holland is largely natural, while the peaty nature of that on English-grown plants is very often due to beds for the plants having been made of this soil from material brought from a distance. All importers are pleased to have them with balls of this soil attached, because it is of a nature that holds together better than any other kind would, and the ball with a plant ensures the life of such plant.

But it is not a fact that similar soil is necessary again. Evidences are all about us of Rhododendrons thriving in our ordinary loamy soil, and there is no reason why they should not. A stiff soil, by which is meant a clayey one, will not do, because of its proving too hard for the thread-like roots of the plants to penetrate. But ordinary loamy soil offers no such hindrance, roots find their way through it easily and the plants like it; and they like as well plenty of moisture—witness wild ones growing along the sides of creeks with their roots close to the water, but the water must be running freely all the time, for stagnant water will kill them. A half-shaded place is to the liking of these plants as well, the plants appreciating it, and their flowers remaining in perfection a long time.

It is really a question whether catalog makers do not make a mistake in urging such care in the formation of Rhododendron beds as some do, in view of the flourishing condition of many collections of them seen planted in ordinary soil. Some notes appeared in the EXCHANGE, recently, regarding the drying out in Summer of newly set plants of Rhododendrons with the imported balls of soil. It was well urged that these solid balls were so comparatively hard that water did not penetrate them easily, running off instead into the looser soil which connected with the ball. In this way, after a rain, when it might be supposed the plant had been supplied with water, it may have received none at all, all the roots being in the ball. This might be remedied by breaking the ball a little when planting it, and by making the filled in soil surrounding it as firm as possible. Besides this, a free use of water to the roots, for the first Summer at least, would be a good thing.

Pruning Peach and Plum Trees When nurserymen prune young fruit trees they have to consider where their prospective customers reside. The westerners prefer trees branched very low, such trees withstanding the cold winds of Winter better than high-branched ones. On the other hand easterners would rather have the trees not branched lower than 4 to 5 ft. This allows room to approach close to the tree when necessary and, besides, it is claimed that branches near the ground rarely bear much fruit; it is only after 5 ft. or more up is reached that the branches take on flowers. As to the after pruning of such trees, neither wants more than a judicious use of the knife to give shape and to prevent overcrowding. There is much misconception as to the necessity for such trees receiving annual prunings. A short inspection each year to see that the shape is being maintained, a cutting out of a shoot here, a shortening of one there, is enough with an Apple tree. With the Peach more care is required, for left to itself it is bound to make a tree twiggy at the top, with all below it bare of twigs. Therefore advise a purchaser to prune back the ends of the growing shoots every year, that the side ones may push forth, to produce young wood from the bottom to the top of the tree. The Peach needs care in this way, the same as is given to many ornamental trees and shrubs to keep them bushy, then fruit is obtained all over the tree. The Peach need not be grown to as tall a stem as the Apple. It is not a tree such as the Apple is, and it will bear fruit in its lower branches almost as well as on its upper ones. Summer pruning, while growth is active, is the best for the Peach, as the object is mainly to thicken its growth, as when shoots are nipped off at that time the shoots spring out lower down; in this way the tree is full of young wood which will flower and fruit.

Grafting Chestnuts Nurserymen know what a fuss the average customer makes if the trees sent him are not straight. Not all customers are of this class, for many recognize that some trees with uneven trunks give to a place a natural look pleasing to many. Still, the average customer wants them straight, and such trees sell better than others.

Grafted trees and budded ones too can often be started to make an upright growth by care in placing the bud or graft. Noticing some grafted Chestnuts, recently, which were quite crooked from where grafted, an error was quite apparent. The union had been made a little to one side of the stock, and the cion had been cut so that the one bud it contained was on the outside of it, so that when it commenced to grow it went off at an angle, which would not have been the case had the bud been on the inside of it. Because of this way of setting the cion it is rare to see good, straight young trees of these Chestnuts, and it seems to be something those who propagate them should look into. The old cleft grafting, the universal method at one time, generally gave a straight growth. If a graft starts off at an improper angle it should be cut back at once to an eye that would push out in the direction desired.

In the case of weeping trees, a little care, at the start, of the grafts, or of the buds, would often prevent the one-sided growth so often seen. A pinching off of a young shoot to force a growth in another direction from the one it was taking would often start a tree in the direction of good even outline instead of the one-sided specimens far too commonly seen; and that the time spent in doing this would pay many times over there is no manner of doubt.

The Polymorphum Maple in Autumn When lauding the many lovely leaved Japanese Maples little is rarely said of the parent of them all, the Acer polymorphum, the stock on which other varieties are grafted, and which is itself often grown as a lawn bush because of its small, neat foliage. In this respect, as a lawn specimen, it is an admired, large growing shrub all through the season. There is one particular merit it possesses which is seldom referred to—its handsomely colored foliage in late Autumn. It is then of a deep red color, forming as pretty a shrub as any other of the season, and for this alone it should be planted.

Acer ginnala is often planted for its Fall color, and it deserves to be; but the Acer polymorphum has handsomer foliage through the Summer than it, its cut-leaved character being more distinct; still, there is room for both of these small shrubs, for their style of growth is different, the Polymorphum Maple making a round-headed shrub, the Ginnala a more upright one. With those living in the coldest States the Ginnala has further claims because of its very hardy character; it is said to be able to thrive in the cold of Minnesota.

The New Hydrangeas The two new sterile-flowered Hydrangeas which propagators are advertising now — Hydrangea arborescens grandiflora alba, and H. cinerea sterilis, Teas' Snowball Hydrangea—are recognized by all who have seen them to be excellent additions to our lists of Summer blooming shrubs. These are both in what is termed the Snowball type, that is, practically all the flowers have changed from the perfect to the sterile form, carrying with it flowers twice as large as before with correspondingly large heads of flowers, and it is these large white heads of flowers that bedeck the bushes so well in Summer. As these two kinds are quite distinct botanically, and have different foliage, both should be had, as well, too, as the now well-known one, H. paniculata grandiflora, which makes three of these hardy sorts.

The writer has both of the newer ones referred to, and his record of their flowering places H. grandiflora alba a week ahead of Teas' Snowball in opening, but the former has perhaps rather a warmer position than the other, so that there is not much difference in this respect. It seemed, too, that the heads of flowers of grandiflora alba were rather heavier than those of the other, weighting the branches over to some degree, the Teas' Snowball standing more erect. They will be watched again for differences this year, the third season of their flowering.

A good way to plant these Hydrangeas would be in a triangle, the paniculata grandiflora at the back, the others one at each forward point. The first named grows the tallest of the three, and its flower heads are more paniculate than the others.

F. E.—Best Advertising Medium

100,000 PHLOX

In 25 Leading Varieties

Strong, stocky plants, from 2½-in. pots for planting out.

ENGLISH IVY, 4-in. pots
CANNAS, 4-in. pots
ASSORTED COLEUS, 2-in. pots
SALVIA, 2-in. pots

Prices given on the above on application.

AGERATUM, White and Blue, 2-in. pots, $20.00 per 1000

THE ELIZABETH NURSERY CO.
ELIZABETH, N. J.

Please mention the Exchange when writing.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY
Mount Hope Nurseries ROCHESTER, N. Y.

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ROSES FROM 2½-INCH POTS

Fine, Clean, Strong, Well-Rooted Stock

	100	1000		100	1000
Chatenay	$3.00	$25.00	American Beauty	$6.00	$50.00
Bridesmaid	3.00	25.00	Richmond	3.00	25.00
Uncle John	4.00	35.00	Brides	3 00	25.00
Ivory	4.00	35.00			

BENCH PLANTS

	100	1000		100	1000
Beauties	$6.00	$50.00	Sunrise	$4.00	$30.00
Richmonds	4.00	30.00	Brides	4.00	30.00
Perles	4.00	30.00	Bridesmaid	4.00	30.00

CARNATION CUTTINGS

	100	1000		100	1000
Enchantress	$2.00	$15.00	White Perfection	$2.00	$15.00
Winsor	2.00	15.00	Pink Lawson	1.50	12.50

PETER REINBERG, 35 Randolph Street CHICAGO

Please mention the Exchange when writing.

A ROSE FOR EVERY GREENHOUSE

Grafted Roses

BRIDES, BRIDESMAIDS, LA FRANCE AND KAISERIN

3½-inch Pots .....$15.00 per 100

Own Root Roses

RICHMOND AND AMERICAN BEAUTY

3-inch Pots .....$9.00 per 100

BRIDES AND BRIDESMAIDS

3-inch Pots .....$7.00 per 100

40,000 VERBENA PLANTS, 2¼-inch pots, $20.00 per 1000

J. L. DILLON, Bloomsburg, Pa.

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Grafted Roses

We have an exceptionally fine stock of grafted plants, strong, clean and healthy.

White Killarney, My Maryland, Kaiserin, Bride, 2½-inch pots, $15.00 per 100, $120.00 per 1000.

OWN ROOT STOCK, NOW READY

White Killarney, 2½-inch pots, $8.00 per 100, $75.00 per 1000.

Bride, Bridesmaid, Kaiserin, Carnot, W. R. Smith and President Taft, 2½-inch pots, $5.00 per 100, $40.00 per 1000.

S. J. REUTER & SON, Inc.
WESTERLY, R. I.

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Baltimore

Monday morning, May 2, proved a busy day for the local florists. Justice Daniel J. Loden was responsible for the rush. When that gentleman stepped into his little court room to begin his sixth consecutive term as police magistrate of the western district a delightful odor of flowers permeating the room came from an array of beautiful floral gifts. There were a great many tastefully made-up pieces, all nicely arranged. Two of the designs towered high above the rest.

A handsome piece worth mentioning was a harp standing six feet high, composed of hundreds of pink Roses and Carnations and Sweet Peas, with strings of red, white and blue chenille, and backed by a banner of blue silk, representing the American flag; the base was made of Harrisii Lilies, with white Roses and Carnations. Otto Guerth, 735 W. Baltimore st., was the designer and maker of this beautiful piece. Another notable piece was made by J. J. Cummings, and was a large horseshoe, five feet high, made of pure white Roses, Lilies, Carnations and Asparagus.

John McCormick, Old Frederick rd., is erecting a new Chrysanthemum house. He is also giving his large plant a thorough overhauling. He is one of the largest Lily growers in the State.

The next meeting of the Gardeners and Florists' Club will be a "smoker." The members and their friends are urged to be on hand as the occasion will be one of enjoyment. The regular meting was held last Monday night, but the writer being on the sick list, was unable to be there and regrets he is unable to give the members any news of the meeting.

Mr. and Mrs. John Cook have returned home in the best of health. Mr. Cook has had an abundance of callers and he enjoys to talk to his old friends of his trip through Florida and Cuba. He expects to make another trip later on. He has completely sold out his My Maryland Rose stock and many orders had to be turned down.

The Flower Garden last week was busy, and showed a nice line of decorative plants. G. F. Lurssen is the able manager.

The Land and Plant Food Co. has disposed of over 75,000 capsules and hundreds of tons of their compost. A large corps of workmen are at work on the large estates treating trees, shrubbery and plants.

The Market

Trade in the past week was fair, and many cut flowers were disposed of. Funeral orders still come in fairly well, and banquets and weddings have been numerous. Mothers' Day, May 8, was well observed and white Carnations became scarce. Other colors were plentiful and sold as low as 25c. a doz. Roses, inside grown, are a little lighter in supply, while outside garden Roses are coming in slowly. Peonies are now on the market, moving slowly at $1 per doz. Sweet Peas are nearly done for. Bulbous stock is still offered in odds and ends. Pansy plants are selling slowly. Pot plants are still plentiful and move well. J. F. T.

Branching Ficus elastica
Grown by Fritz Dressel, Weehawken, N. J., see page 825

Dreer's Select Potted Roses

FOR OUTDOOR PLANTING

The Roses here offered are field grown plants which have been potted into 5 or 6 inch pots (according to the growth of the variety) during the winter months. They have been stored in cold houses and cold frames and are in the best possible condition to turn over to your retail customers for outdoor planting, giving an entirely different result from stock carried over winter in storage. For best results the plants should be shipped in pots; in this shape they will carry safely to reasonable distances by freight.

Hybrid-Tea and Other Everblooming Varieties

Two-Year-Old Plants
5 and 6 inch Pots

	Per 100
Antoine Rivoire	$30.00
Belle Siebrecht	30.00
Bon Silene	25.00
Catherine Mermet	25.00
Comtesse Riza du Parc	25.00
Corallina	30.00
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Etoile de Lyon	25.00
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Francisca Kruger	25.00
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G. Nabonnand	25.00
Hermosa	20.00
Hon. Edith Gifford	30.00
Kaiserin Augusta Victoria	25.00
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Liberty	30.00
Maman Cochet Pink	25.00
Maman Cochet White	25.00
Marie Van Hootte	25.00
Mrs. B. R. Cant	20.00
Mildred Grant	30.00
Mme. Abel Chatenay	30.00
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Mme. Joseph Schwartz	20.00
Mme. Jules Grolez	30.00
Mme. Margottin	25.00
Mme. de Watteville	25.00
Mme. Welche	25.00
Papa Gontier	25.00
Prince de Bulgarie	30.00
Queen's Scarlet, or Agrippina	20.00
Richmond	30.00
Souvenir de Catherine Guillot	30.00
Souvenir de President Carnot	30.00
Souvenir de la Malmaison	25.00
Souvenir de Pierre Notting	30.00
Safrano	25.00
Viscountess Folkestone	30.00

Hybrid Tea Rose Betty

Hybrid-Tea Roses

Novelties and Recent Introductions

The Gems of the new varieties introduced in recent years. A few of these planted in your own borders will prove interesting during the entire season.

All in Strong Two-Year-Old Plants

	Each
Betty. (Dickson 1906)	$0.36
Countess of Gosford (McGredy 1906)	.40
Chateau de Clos Vongeot (Pernet Ducher 1908)	.75
Dorothy Page Roberts (Dickson 1907)	.75
Dr. J. Campbell Hall (Dickson 1904)	.50
Duchess of Wellington (Dickson 1909)	2.00
Dean Hole (Dickson 1904)	$0.50
Elizabeth Barnes (Dickson 1907)	.75
Geo. O. Wand (Dickson 1908)	1.00
Grace Molyneux (Dickson 1908)	1.00
John Cuff (Dickson 1908)	1.00
Hon. Ina Bingham (Dickson 1906)	.50
Lady Ursula (Dickson 1908)	1.00
Lady Faire (Bentley 1906)	.60
Laurent Carle (Pernet Ducher 1907)	1.00
Mary Countess of Ilchester (Dickson 1909)	2.00
Margaret Molyneux (Dickson 1909)	2.00
Mons. Paul Lede (Pernet Ducher 1903)	.50
Mrs. Arthur Robert Waddell (Pernet Ducher 1907)	.75
Mrs. Aaron Ward (Pernet Ducher 1907)	.65
Mme. Leon Paine (Guillot 1904)	.75
Mme. Maurice de Luze (Pernet Ducher 1907)	.75
Papa Lambert (Lambert 1900)	.35
Queen of Spain (Bide 1907)	.75
Rhea Reid (Hill 1908)	.50
Walter Speed (Dickson 1909)	2.00
White Killarney (Scott 1909)	.30
William Shean (Dickson 1906)	.75
The Lyon (Pernet Ducher 1907)	.90

New Tea Roses

	Each
Harry Kirk (Dickson 1907)	$0.90
Hugo Roller (Paul 1907)	.60
Molly Sharman Crawford (Dickson 1908)	1.00

Hybrid Perpetual, Moss and Other Hardy Roses

Strong two-year-old Plants, nearly all in 6-inch pots.

	Per 100
Alfred Colomb	$25.00
Anna de Diesbach	25.00
Alfred K. Williams	25.00
American Beauty	25.00
Blanche Moreau	25.00
Baroness Rothschild	25.00
Camille Bernardin	25.00
Capt. Christy	25.00

HARDY ROSES (Continued).

	Per 100
Crested Moss	$25.00
Comtesse de Murinais	25.00
Captain Hayward	25.00
Common Provence or Damask	25.00
Clio	25.00
Charles Lefebvre	25.00
Crimson Globe	25.00
Duke of Edinburgh	25.00
Earl of Dufferin	25.00
Fisher Holmes	25.00
Francois Michelon	25.00
Frau Karl Druschki	25.00
General Jacqueminot	25.00
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Gloire de Lyonnaise	25.00
Hugh Dickson	25.00
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Louis Van Houtte	25.00
Mrs. R. G. Sharman Crawford	25.00
Mrs. John Laing	25.00
Mme. Plantier	20.00
Mme. Victor Verdier	25.00
Mme. Gabrielle Luizet	25.00
Marie Baumann	25.00
Princess Adelaide	25.00
Paul Neyron	25.00
Prince Camille de Rohan	25.00
Queen of Queens	25.00
Rodocanachi	25.00
Rugosa Nova Zembla	25.00
Rugosa Blanc Double D'Courbet	25.00
Rugosa, Red	18.00
Rugosa, White	18.00
Soliel d'Or	30.00
Tom Wood	25.00
Ulrich Brunner	25.00
Victor Verdier	25.00
White Provence	25.00

Rambler, Climbing and Trailing Roses

	Per 100
Baltimore Belle	$20.00
Climbing Clothilde Soupert	20.00
Crimson Rambler	20.00
Dorothy Perkins	20.00
Gloire de Dijon	25.00
Hiawatha	30.00
Lady Gay	20.00
Marechal Niel	30.00
Philadelphia Rambler	20.00
Prairie Queen	20.00
Reine Marie Henriette	30.00
Sweet Brier	15.00
Sweet Brier Lord Penzance	25.00
Sweet Brier Lady Penzance	25.00
Sweet Brier Meg. Merrilies	25.00
Sweet Brier Anne of Gierstein	25.00
Sweet Brier Brenda	25.00
Tausendschon	30.00
Trier	25.00
White Microphylla	20.00
White Dorothy	50.00
Wichuraiana Evergreen Gem	20.00
Wichuraiana Gardenia	20.00
Wichuraiana Pink Roamer	20.00
Wichuraiana South Orange Perfection	20.00
Wichuraiana Triumph	20.00
Wichuraiana Universal Favorite	20.00
Yellow Rambler	20.00

Baby Rambler Roses

	Per 100
Crimson	$20.00
White	20.00
Pink	25.00

HENRY A. DREER, Inc., 714 Chestnut Street Philadelphia, Pa.

NOTE—These Prices Are for The Trade Only

Please mention the Exchange when writing.

Cockroaches in Plant Houses

These destructive insects belong to the Orthoptera, which also includes the grasshoppers, locusts, crickets, and leaf and stick insects. The common cockroach (Blatta orientalis) is familiar to most gardeners. Two other species, namely, B. australasiæ and B. americana, are also fairly common in plant structures. * * * They feed during the night, and, without exception, are extremely destructive to plants, feeding principally upon the soft tissues of both leaves and flowers. Flowers having a strong perfume, such as Orchids, Eucharis, Crinums, and Hedychiums, are often badly attacked by these pests, while other flowers near by are left uninjured.

The eggs of the cockroach are not laid separately, but are enclosed in a hard, brown case, usually about a quarter of an inch long. Each case contains about 16 eggs, and is at first carried about by the female, attached to the abdomen by a gummy matter. Later, they are left in dark nooks and crannies, where they remain until the young are hatched. In the adult cockroach the body is flattened; the antennæ are long and thread-like.

One of the best means of eradicating these pests from plant houses is to carefully stop up, with cement or mortar, any holes in the walls. Particular attention should be paid to cavities near the hot-water pipes, and especially the holes in the brickwork where the hot-water pipes are carried through, as it is in such warm, dry places that they hide during the daytime. In small houses this method of dealing with them is far more effective than the use of traps or poisons. In large houses, which afford numerous hiding places, other means of destroying them must be adopted. One of the best means of trapping cockroaches I discovered, quite by accident, in the Palm House, at Kew, some 10 years ago. A bottle of sweet oil, which was used for oiling tools, was accidentally broken one evening, and next morning a portion of the bottle containing a small quantity of the oil was found to be full of cockroaches. After this, a large number of jam jars, each containing a small quantity of oil, were placed about the house, and as many as 76 cockroaches have been found in a single jar. The oil requires to be changed every third day, as it quickly becomes rancid in a warm house, and unattractive to the pests. The jar should always be placed against a wall or plant, so as to afford a foothold to reach the mouth of the jar. Other cheap and effective baits which may be used in place of, or alternated with, the oil, are treacle and water, and treacle and beer. These also require to be replenished when they become sour.

Among poisons, phosphorus paste, Chase's beetle poison, and Beetle-cute have all been tried frequently, but I have found flowers and foliage attacked when surrounded with these baits. The revolving metal traps are, in my opinion, almost valueless. If a hedgehog is present in a house during the night-time where these pests abound, it will destroy many of them.—C. P. RAFFILL in *The Gardeners' Chronicle.*

CARNATIONS

Strong, clean, well-rooted stock; large Cuttings that will make plants quickly.

Large, strong, well rooted, absolutely no disease, taken from plants grown especially for stock and rooted in a cool house. These will make plants quickly and cannot fail to please you.

	100	1000
Enchantress	$3.00	$25.00
Pure White Enchantress	3.50	30.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Winona	3.00	25.00
Harlowarden	2.50	20.00

Stock from 2-in. pots, 50c. per 100 more than the 100 rates named above, net.

Cash with order. Sand Stock, 250 at 1000 rates.

SMITH & GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

CHICAGO CARNATION CO.

JOLIET, ILL.

Please mention the Exchange when writing.

SHASTA

For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

CARNATION CUTTINGS

My stock has not been allowed to throw over three blooms per plant and is, therefore, very vigorous, producing cuttings strong and full of life. Cuttings from such stock will produce more and better flowers next Winter than the ordinary grade from stock that has been flowered to death.

	100	1000
Harlowarden	$2.50	$20.00
Enchantress	3.00	25.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Pure White Enchantress	3.50	30.00
Winona	3.50	30.00
Beacon	3.50	30.00

250 at 1000 rate.

Cash with order, or references.

A. A. GANNETT, GENEVA, N. Y.

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CARNATIONS

From pots, strong, healthy plants, $3.50 per 100; including Enchantress, R. P. Enchantress, Lady Bountiful, Pres. Seelye, White Perfection, Crimson Beauty, Beacon, Pink Imperial, Harlowarden, Mrs. Patteo, Variegated Lawson and Winsor.

Cash with order.

S. G. BENJAMIN, FISHKILL, N. Y

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Carnations

F. Dorner & Sons Co.

LA FAYETTE, INDIANA

SEASONABLE PLANTS

DRACÆNA Indivisa, 4-in., $10.00 per 100.

CANNAS, Pennsylvania, $1.50; A. Bouvier, $1.50; Austria, $1.25; Italia, $1.75; B. Beauty, $2.50; Egandale, $1.50; Marlborough, $2.00; America, $1.25; D. Harum, $2.00 per 100.

HYDRANGEA Paniculata grandiflora, 2 to 3 ft., $10.00; 18 in. to 24 in., $6.00 per 100.

PRIMULA Obconica, 2-in., $1.50 per 100; 3-in., $4.00 per 100; 4-in., $6.00 per 100.

GERANIUM, Ricard, 2-in., $2.00 per 100.

ASPARAGUS Sprengeri, 2-in., $2.00 per 100 Plumosus, 2-in., $2.00 per 100.

ENGLISH IVY, R. C., 75c. per 100; var. R. C., 75c. per 100.

FERNS, Scottii, 5-in., $20.00 per 100; 6-in., $35.00 per 100.

J. H. DANN & SON

Westfield, N. Y.

Please mention the Exchange when writing.

Begonia Gloire de Lorraine

FOR JUNE DELIVERY

2¼-inch repotted Stock

Price, $15.00 per 100

SCOTT BROS.

Elmsford Nurseries, ELMSFORD, N. Y.

Please mention the Exchange when writing.

ORDER NOW For June Delivery

Begonia Gloire de Lorraine

2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen

2½-in., $5.00 per 100, $45.00 per 1000

Poinsettias

2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis

2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.

Scranton, Pa.

Please mention the Exchange when writing.

Why Delay Ordering Your Begonia Gloire de Lorraine?

You will soon want them sure. We are equipped better than ever to supply Excellent Stock; 2½-inch pots, twice transplanted, at $15.00 per 100, $140.00 per 1000.

CYCLAMEN, 3-inch pots, $7.00 per 100; 4-inch pots, $15.00 per 100.

POINSETTIAS, 2½-inch pots $5.00 per 100; $45.00 per 1000. Write us for Katalog.

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

Fine plants, from 4-in. pots, $8.00 per 100.

ASPARAGUS Sprengeri, strong, from 3-in. pots, $5.00 per 100.

SINGLE PETUNIAS, Dreer's Strain, fine plants, 3-in., $3.00 per 100.

SALVIA, Splendens and Bedman, 2-in., $2.00 per 100.

MOON VINES, Smith's Hybrid, the largest, whitest and sweetest, 2¼-in. pots, per 100, $3.00.

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

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Asparagus Plumosus Nanus

From 3-inch pots, $5.00 per 100; $45.00 per 1000.

Cash with order please

FLORAL HILL GARDENS

G. F. NEIPP, Prop.

CHATHAM, N. J.

Please mention the Exchange when writing.

Alternantheras

Strong Rooted Cuttings

	100	1000
P. Major, Red	$0.50	$4.00
A. Nana, Yellow	.50	4.00
Brilliantissima, Best Red	.60	5.00

R. R. DAVIS & CO., Morrison, Ill.

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The book of WATER GARDENING

By Peter Bisset. Price, postpaid, $2.50

A. T. DE LA MARE PTG. & PUB. CO., LTD

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Albany, N. Y.

Mothers' Day, May 8, was well observed here, the weather being fine. There was a large sale of white Carnations. Everybody sold out, the demand being a long way ahead of that of 1909.

The florists donated to the Albany Mothers' Club, a society created for the help of sick children, about five hundred Carnations for the purpose of sale, to help the sick and needy.

Preparations for the second annual flower show of the Albany Florists' Club are well under way. At the regular monthly meeting on Thursday, May 5, President F. Goldring appointed a committee of three to take up the details for the show, which is to be held in the Fall; Fred A. Danker, who was chairman last year, was again appointed to fill the same position. It was also decided by a full vote to place a wreath on the Soldiers' monument at the Albany Rural Cemetery on Decoration Day, as a donation from the Club.

John Travison, who has been designer for F. A. Danker for the past two years, has branched out for himself under the firm name of J. A. Travison & Co., on South Pearl st. in our city. He has a well stocked store and everything uptodate in every way.

Visitors: Mr. Zirkman of M. Rice & Co., Steve Green of Bayersdorfer & Co., and C. A. Ford, all of Philadelphia; J. Karius of H. A. Dreer's Philadelphia.

W. C. K.

Cincinnati

The May Festival was not a howling success, so far as the cut flower business was concerned. A few bunches of American Beauty Roses were presented to the "stars," and Orchids were used by a few, but the market was exceedingly slow, the first time for a long while that we have not been able to sell all the American Beauty Roses that came in.

The demand for Carnations for Mothers' Day, toward the end of the week cleaned up arrivals; white sorts were in greatest demand. The coming week the Federation of Women's Clubs hold their convention in the city, and there should be quite a little decoration for this occasion.

Peonies have not as yet made their appearance in this market, but we are looking for them at any time, as the freeze did not do as much damage as was at first supposed. Of Killarney, My Maryland, and American Beauty Roses the supply is quite equal to the demand, and some good Bride and Bridesmaid are to be had. Smilax is still on the scarce side.

I regret that we have lost one of the good Carnation growers of this part of the country in the person of W. E. Hall of Clyde, O., who was buried on May 6. The supposition was that he was recovering his health, but pneumonia is a hard master to overcome in general. I am sure that, with me, many will extend their sympathies. E. G. GILLETT.

New Orleans

The annual dinner tendered to the Horticultural Society and other guests by A. Alost at Rose Villa was this year attended by a great number of gardeners, and, as usual, was a great success. It could not be otherwise with such a genial host and hostess with their son and two daughters, who are only happy when they are making others happy. The Society presented Mr. and Mrs. Alost with a nice tea service, and Mr. Alost with a travelling bag, so that he will have something to remind him of his New Orleans confreres as he travels to Belgium to visit his former home, and the International Horticultural Exposition to be held at Brussels this Summer.

Frank Faessel, who has conducted a successful florist business on Magazine and First sts. for the last twenty years, has removed his greenhouses and stock to Ocean Springs, Miss. Beside doing a local business Mr. Faessel will grow flowers and other stock for shipping. Being so long a retailer himself his knowledge of the requirements of the retail trade will be of great use to him in this branch of the trade, Ocean Springs is a watering place, pleasantly situated on the shores of the Bay of Mississippi, an inlet of the Gulf of Mexico.

Mr. and Mrs. Henry Rehm left for Europe the past week, to be followed shortly by Mr. and Mrs. Matthew Cook and Miss Mabel Cook and later by Henry Reinecke and A. Alost. Quite an unusual number of New Orleans florists are going to Europe this season. CRESCENT CITY.

ORCHIDS

CATTLEYAS
TRIANAE
LABIATA
MOSSIAE
GASKELLIANA

DENDROBIUMS
CHRYSOTOXUM
DENSIFLORUM
NOBILE
WARDIANUM
THYRSIFLORUM

VANDA COERULEA

G. L. FREEMAN CO.

FALL RIVER, MASS.

Please mention the Exchange when writing.

JUST ARRIVED

ORCHIDS

Guaranteed True Type

Cattleya Trianae Cattleya Mendeli
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Cattleya Gigas Cattleya Aurea

In excellent condition. For prices apply to

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ORCHIDS Just arrived, in fine condition a large shipment of Cattleya Trianae, also C. Gaskelliana, Oncidium varicosum Rogersii, O. crispum, Miltonia cuneata, Laelia crispa, L. Perrinii and many more.

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We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawrenceana, Gaskelliana, Dowiana and Percivaliana. Write to-day.

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"THE FLOWER CITY"

24 Stone Street

Please mention the Exchange when writing.

Death of a Noted Rosarian—Friedrich Harms

The great German rosarian, Friedrich Harms, died suddenly on April 15, 1910. He was born March 3, 1831, in the village of Muchow, Mecklenburg, and from his earliest childhood showed a great love for flowers.

After his apprenticeship he accepted a position in Lübeck, where he developed great skill in Rose grafting. In 1852, Hinr. Boeckman of Hamburg invited him to take charge of their rosary, and this position was decisive for his subsequent career, as here he gave his attention almost entirely to Rose culture. In 1862 he acquired a garden of his own at Hamburg and devoted himself particularly to the growing of Roses. It was about this time that there was a marked development in Rose culture, and many novelties then appeared which are still unsurpassed today; these, however, were mainly of French origin.

Although Harms' rosaries were at first small, they contained the finest Roses then on the market, and the varieties he sent to the various exhibitions were noteworthy at a time when Germany occupied a secondary place in that culture. The high position it now occupies in this specialty is largely due to the example of Harms. He furthermore led the way in the originating of new varieties. He was one of the first to take in hand the training of young gardeners as Rose specialists; some of the best rosarians of today owe their skill to Harms.

It is not too much to say that Harms was the greatest rosarian Germany has produced. He was not only an authority on the Rose, but he has stimulated its cultivation in Germany as no other grower, by his teachings and example, by the dissemination of the best varieties and his originations, through his exhibits, by lecturing and writing, and by the training he gave his apprentices and assistants. While his own work as a grower was not extraordinary, he was the first in the field—a pioneer. —*Moeller's.*

Taking Chrysanthemum Buds

Will you kindly tell me the best time to "take" the buds on the following varieties of Chrysanthemum: W. H. Chadwick, Early Snow, Pacific Supreme, W. H. Duckham, Maud Dean, Col. Appleton, Golden Glow, and Cullingfordi.—F. W., Conn.

The following dates would be the most satisfactory for taking the buds of the varieties in question: Pacific Supreme, Sept. 1; Chadwick, Sept. 20 to 25; Maud Dean, Sept. 10; Golden Glow, July 15; Early Snow, July 25 to Aug. 1; Duckham, Sept. 10 to 15; Appleton, Sept. 10; Cullingfordi, Sept. 1 to 5.

It is understood that these dates are for early planted stock, and would be subject to some slight variations according to the condition of the plants. W.

Florists' Hail Association

Secretary John G. Esler of Saddle River, N. J., informs us that the South and the Southwest had a hail innings last week. On May 1 a destructive hailstorm at Wichita, Kan., wiped out 75 per cent. of the glass in that town. Dallas, Tex., and Oklahoma City, Okla., were a good second. Slight losses were also reported from Manhattan, Emporia, Strong City and Lawrence, Kan. In the East, Durham, N. C., had a lively sprinkling of congealed rain. The Florists' Hail Association was hit in all of the above localities.

Among the Growers

Gottfried Marti, Arlington, N. J.

Mr. Marti has concluded to abandon wooden benches, and the Wilson-Hoyt Co., of New York will soon install concrete benches in their place.

Mr. Marti is now growing Callas on benches, but in his opinion more flowers can be obtained from stock in good-sized pots than can be obtained by growing them either in solid beds or on benches. An interchange of opinion upon this point among Calla growers would be interesting. One house is devoted to growing Carnations, and the variety Rose Pink Enchantress has given very satisfactory results this year. Beacon and Victory are grown for reds.

Oscar Verilhac, Arlington, N. J.

For fifteen years one of the specialties grown here has been Otaheite Orange trees. Between one and two thousand are seen here now, just setting their fruit.

Mr. Verilhac succeeds in growing trees which produce by the holidays two dozen or more fruits. A grower recently offered to buy his entire stock, but was refused.

The different varieties of Enchantress Carnations are grown here, and also Victory. It would be very difficult at this season of the year to find Carnation plants elsewhere in such excellent condition. The stock Mr. Verilhac says, has been grown rather cool which he believes to be the proper treatment.

Thousands of bedding plants are grown here for the Arlington Cemetery, among them four thousand Santolina incana for bordering. This is a low growing, fragrant little plant, which bears trimming well, with a foliage of the same color as that of the Cineraria maritima. The plant is not commonly seen, but seems admirably adapted for edging or carpet bedding.

A specimen was observed here of that rare old plant Euphorbia splendens, with its terribly thorny stalks, but beautiful showy, scarlet bracts, which Mr. Verilhac says remain on the plant between two and three months. Coleus, Echeveria and Alternanthera are grown here in large numbers.

E. Jacobi, Irvington, N. J.

The new greenhouse of E. Jacobi, Arlington, N. J., is 135 ft. long by 35 ft. Its side walls are concrete and it has a heavy concrete floor also. There is a deep, thoroughly constructed concrete Mushroom cellar extending under the entire house. In the house is grown a mixed stock, consisting of Asparagus, Smilax, some very fine Gladioli America, and at each iron post at edge of bench some immense plants of Swainsona galegifolia albiflora full of bloom. The Swainsona is grown instead of Sweet Peas, and is found very profitable.

A long wing, leading off from the main house, is devoted to the growing of Carnations and Stocks, both of which show good culture and are giving a good cut of flowers.

In the Mushroom cellar are rows of beds with three tiers to each row, one about two feet above the other. Horse manure is turned eight times in the open air during a period of three weeks. It is then put in the beds in the cellar, 7 in. to 8 in. deep, and tamped down moderately. When the temperature falls below 80° the spawn is placed on the manure. In about two weeks, when the spawn starts, about 1 in. to 1½ in. of soil is put on over the spawn. A crop is ready for cutting, usually, in from four to six weeks; though, if spawn is old, a much longer period may elapse before the crop is ready.

William Holteman has charge of the Mushroom cellar. He uses three kinds of spawn, American Pure Culture, which gives a white Mushroom of medium weight; English spawn, which gives either a white or brown Mushroom of light weight; and Jackson spawn, which gives a heavy Mushroom of yellowish cast. Mr. Holterman prefers the American Pure Culture spawn. Some excellent Mushrooms are now being harvested, gathered twice each day. The temperature of the cellar is kept between 55° and 63°. Summer is the most profitable season, as the prices are then higher because there are fewer Mushrooms in the market, since they cannot at that season be raised under the greenhouse benches, as a temperature of over 70° is destructive to them.

Charles Bird, Arlington, N. J.

The forcing of shrubs into bloom throughout the Winter and Spring is the chief business here, and the range of greenhouses is used for that purpose, and for propagating nursery stock. The shrubs for forcing are grown in Mr. Bird's own nursery about his greenhouses. Among the shrubs forced are flowering Quince, Almond, Prunus triloba, Spiræa prunifolia, Forsythia, and most of all the different varieties of Apple trees. The Japan Quince begins flowering before Christmas, the rest from January on.

Fifty or more varieties of seedling Apples are grown in the nursery. These are natural hybrids obtained by setting near each other Malus floribunda and the late flowering Crab Apples. The latest to flower outside is the beautiful Betchel's Double Flowering Crab, now in bloom. A succession of blooms from early to late is obtained from outside stock.

Such Apple trees as are used for forcing are potted up when small, and shifted on to larger pots until the 8 in. size is reached, in which some specimens 7 ft. tall are growing. These are always kept outside, plunged in the nursery rows, until about the fourth year, when they are taken into the forcing house. Some semi-double seedlings have been obtained, whose blooms are more lasting than the single.

Mr. Bird called attention to fourteen columnar-shaped, Juniper-leaved evergreens, Abies Juniperoides, obtained from a single seedling bought from Ribsam & Son of Trenton, N. J., "the only trees of the kind in the world." He is expecting to present one to N. Y. Botanical Garden.

Etherizing the potted shrubs instead of giving them a season of rest, or a freezing, as a preparation to forcing, will probably be tried this Fall. A frame of several hundred Pæonia officinalis rubra, over which sash are placed about two weeks before the natural blooming period arrives are now coming into bloom.

Two houses of forced Cauliflowers, just now maturing their beautifully white heads, looked about as toothsome as anything ever seen in the vegetable line.

The interesting fact has been noted by Mr. Bird that such Cauliflowers as are accidently "kinked" in setting, and their stems partly broken in two, are always the first to mature a head, though the head is usually smaller. As Mr. Bird puts it "when a plant is going to die, it hastens to produce fruit so as to perpetuate itself."

William Tricker, Arlington, N. J.

Mr. Tricker has recently purchased the two and one-half acres which he had been leasing and upon which his old greenhouse range is standing.

Dorothy Perkins Rose—Globe Form
Grown by Wm. C. Bowditch, Boston, Mass.

A new greenhouse, 100 by 25 ft. is now being completed for him by the Weathered Co. One-half of the middle of this house is occupied by a solid bed with concrete sides, and the other half by a concrete tank 87 ft. by 6 ft. The tank is divided in the center cross-one-half of it is 8 in. and the other half 12 in. This tank will be used for growing stock plants of Nymphæas, Nelumbiums, and other Water Lilies. Mr. Tricker is the well-known author of "Water Gardening." His stock plants of Nymphæas, Nelumbiums, etc., are now grown in half-barrel tubs. The tender plants have tubers, and are grown in pots set in the tubs of water and kept in the greenhouse till June when they are taken out of doors and kept there till the approach of cold weather. In the tender varieties among the Nymphæas grown here are ten day bloomers and fifteen night bloomers, and eleven varieties of Nelumbiums.

The hardy varieties have roots instead of tubers and are grown directly in the muddy soil at the bottom of the tubs of water, which are kept outside the entire year; but in the cold season the tubs are settled in the ground up to the top, boards are laid across, and enough earth is banked over them so that the mud at bottom of tubs will not freeze in the Winter. Thirty-three of the hardy varieties are grown at this establishment.

Just at present Mr. Tricker is giving much of his time to landscape work. He has the contract for that work at the new Lincoln School on Kearney ave., and also is doing contract work for the Shade Tree Commission.

It is Mr. Tricker's intention to devote his land to the growing of hardy herbaceous perennials, not only all the new varieties but especially those which "grandma used to grow," and he already has a large stock.

Some large plots of Arabis alpina flore plena are literally snow white with bloom. An interesting feature of the flowers of this hardy plant is that a second bloom grows out of the center of the first bloom. A plot of Alyssum saxatile compacta flore plena, with flowers of golden yellow, is equally floriferous and attractive.

There was observed here a Ligustrum aurea of a much deeper yellow than the usual type; and a Vinca, a sport from Vinca minor, with a yellow variegation, both of which plants are being propagated for later distribution.

A Daphne Genkwa, with beautiful purple flowers, from Japan, was noted, and some beds of Phlox divaricata Canadensis, very floriferous, with lavender colored blooms having a delicate Lilac perfume.

Wm. C. Bowditch, Grove Hall, Boston, Mass.

The establishment of Wm. C. Bowditch is at 647 Warren and 17 to 27 George sts., Grove Hall, a suburb of Boston, about four miles from the State House. This is in the center of a residential district and adjoins the Elm Hill section of Boston. Here is done a general retail and wholesale business in potted plants for Easter and the holidays. The Dorothy Perkins Roses, of which several illustrations are shown herewith, as grown by Mr. Bowditch are potted in the Fall of the year and gradually brought into bloom for Easter. A ready sale has hitherto been found for these plants, both at wholesale and at retail. Those which may not be in bloom in time for Easter are easily disposed of later in the season, while cut sprays of the same come in appropriately for use in funeral work, both in flat sprays and for designs.

House of Dorothy Perkins Rose
Grown by Wm. C. Bowditch, Boston, Mass.

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It destroys the insects, and invigorates the plants.

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Madison, N. J.

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Rochester, N. Y.

Trade in the past week was, generally, good, and the demand fairly equal to the supply, Roses being more plentiful [illegible] any other stock. The demand for Sweet Peas has been excellent, but during a week of very damp weather they arrived in a worthless condition probably due to too much moisture; however, with the bright, cool weather that we are having the quantity and quality will no doubt improve and no further trouble of this kind should happen.

Mothers' Day in Rochester, from the standpoint of the retailer, was a dismal failure, the advanced price of Carnations putting a damper on the sentiment of the people; it is said that sales were not at all satisfactory. White Carnations were quoted at 4, 5 and 6 cents and the bulk of them went off at these figures, but some were left over for Monday's sales, though not very many.

The sympathies of the trade are extended to Mr. George F. Crosman of Crosman Bros., in the death of his daughter, who had been ailing for some time. The loss to Mr. Crosman is an irreparable one, and he feels it very keenly.

The regular monthly meeting of the Rochester Florists' Association was held Monday evening, May 9, about thirty-five members being present. It was unanimously decided to hold the second annual flower carnival Nov. 1 to 5, and no pains or expense is to be spared to make this year's carnival a greater event even than it was last year. The report of the bowling and sports committee showed that satisfactory progress was being made.

The new Rose, Orleans, being introduced by our genial friend John Charlton, was seen today, and it is a very beautiful thing, a pink with a light center, promising to be everything that is being claimed for it. Mr. Charlton also showed another, Chateau des Closbourgeots, a very dark red, and the Chin Chin China, a Chinese Rose of which more will be heard from later.

H. B. Stringer.

Oak Bluffs, Mass.—McGrath Bros. are making extensive alterations to their greenhouses at Waban Park.

Florida, N. Y.

The immense plant of John C. Hatcher, located in the town of Florida, just east of the city, was sold May 10, to John B. Faulknor, for some time a trusted employee of Mr. Hatcher.

Since the erection of the hot houses at Hoffmans, N. Y., and later the opening of a large distributing store in Schenectady, Mr. Hatcher has been slowly assembling his stock at Hoffmans. To conduct both plants has proved impractical as a double force of men was required in some of the work. The transaction includes the entire Florida plant with residence, excepting the upper range of hot houses in which Mr. Hatcher has been raising the finer grades of Roses. This range will be removed to Hoffmans and, when erected, together with the sixteen houses purchased from the Starin estate last Summer, there will be a vast acreage of glass buildings at Hoffmans where it is also the intention of Mr. Hatcher to construct a handsome residence on the sightly hill.

Mr. Faulknor is a thoroughly experienced florist, and his association with Mr. Hatcher has familiarized him with this locality and the wants of the people here. It is his intention to raise vegetables during the Winter months. Mr. Faulknor feels that there is a big opportunity for this undertaking in this locality. He will also go in for the raising of Mushrooms on a large scale, as well as poultry.

Bedding Plants

Cannas from 4-inch pots, in the following varieties: A. Bouvier, Mme. Crozy, Souv. de A. Crozy, Chas. Henderson, Gladiator and Shenandoah, price $8.00 per 100 or $70.00 per 1000. King Humbert, $15.00 per 100.

Alternanthera Brilliantissima Strong bushy plants, from 2¼-inch pots, price $3.00 per 100 or $25.00 per 1000. Yellow and Pink, $20.00 per 1000.

Coleus Verschaffeltii and Golden Bedder; also Assorted Varieties, price $2.50 per 100 or $20.00 per 1000

Heliotrope Dark blue, from 3 inch pots, price $4.00 per 100.

Salvias In varieties, from 3-inch pots, price $4.00 per 100, from 2¼-inch pots, $2.50 per 100 or $20.00 per 1000.

Dracaena Indivisa Strong plants, 7-inch at 75c. each, 8-inch at $1.00 each. Smaller sizes at 35c. and 50c. each.

Ageratums Dwarf blue from 2¼-inch pots, price, $20.00 per 1000.

GARDENIAS

SCOTT'S FAMOUS VEITCHII STRAIN

Strong, established plants from 3-inch pots, ready for a shift into 5's, or for planting in the bench.

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ABUTILONS, 3½-in., 6 varieties, in bloom, $5.00 per 100.
AGERATUM, Blue or White, 2½-in. pots, strong plants, $2.00 per 100; Rooted Cuttings, 75c. per 100.
ALYSSUM Large Giant or Little Gem, 2½-in., $2.00 per 100.
BEGONIA Vernon, in bloom, 3-in., $5.00 per 100.
BEGONIAS, Flowering, 3 fine varieties, 4-in., in bloom, $10.00 per 100.
CANNAS, Large-flowering, any color, 20,000 from 4-in. pots, fine stock, $5.00 per 100.
COLEUS, Golden Bedder, Verschaffeltii, or decorative varieties, from 2½-in. pots, $2.50 per 100.
FUCHSIAS, Storm King, Little Beauty, or 3 varieties mixed, in bloom, 4-in., $3.00 per 100.
FUNKIAS, variegated (Day Lily), $5.00 per 100.
GERANIUMS, 30,000 from 4-in. pots, fine plants, in bloom, of 10 Standard Varieties, $7.00 per 100.
HELIOTROPES, 4-inch, 3 kinds, fine plants, $3.00 per 100.
MARGUERITES, 4-in., in bloom, $5.00 per 100.
PANSIES, Fine Varieties Mixed, transplanted plants, $1.25 per 100.
HARDY PHLOX, of 5 leading varieties, field-grown clumps, $4.00 per 100.
PRIMULA OBCONICA, fine plants, full of bloom, mixed colors, 4-in., $5.00 per 100.
SALVIAS, Bonfire, strong plants, from 2½-in. pots, $2.50 per 100; 3-in., $3.00 per 100.
SMILAX, large plants from 2½-in. pots, $2.00 per 100.
VERBENAS, Fine Mixed Colors, in bud and bloom, 2½-in. pots, $2.00 per 100.
DUSTY MILLER, fine 4-in. plants, $5.00 per 100.

CABBAGE and **TOMATO PLANTS**, $2.00 per 1000, any varieties.
TOMATO PLANTS, extra large transplanted, $5.00 per 1000.
LETTUCE PLANTS, 6 kinds, $1.25 per 1000.
BEET PLANTS, $1.25 per 1000.
PEPPER PLANTS, 6 kinds, $7.50 per 1000.
Also all other kinds of Vegetable Plants by the thousand. Write me for special prices. A 1 Plants only. Liberal count given to help pay the express. Try them.

ALONZO J. BRYAN
Wholesale Florist, Washington, New Jersey

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NOW READY

GERANIUMS, HELIOTROPE, ETC.

S. A. Nutt, Beaute Poitevine, La Favorite, A. Ricard, Frances Perkins, Jean Viaud, John Doyle, Mme. Jaulin, Gloire de France, Marquis de Castellane, and Rose Geraniums, 3½-in. pots, $5.00 per 100.

PELARGONIUMS, Victor, 3½-in. pots, $7.00 per 100.

HELIOTROPE, Queen of Violets, Chieftain and Mme. Bionay, 3½-in. pots, $5.00 per 100.

CANNAS, Duke, Florence Vaughan, Martha Washington, (beautiful pink), 4-in. pots, $5.00 per 100.

IVY GERANIUMS, in variety, 3½-in. pots, $5.00 per 100.

FUCHSIAS, Snow White and Avalanche, 4-in. pots, $10.00 per 100.

BEGONIA Rex, 4 varieties, all good, 4-in. pots, $10.00 per 100.

COBAEA Scandens, 3-in. pots, $3.00 per 100.

BEGONIA Rex and BEGONIA Metallica, 3-in. pots, $4.00 per 100.

VERBENAS, SWEET ALYSSUM, Little Dorrit, 3-in. pots, $2.50 per 100.

HELIOTROPE, two varieties; **VINCA Variegata; SALVIA, Bonfire and Splendens**; 2½-in. pots, $2.00 per 100.

PELARGONIUM, Victor, 3-in. pots, $4.00 per 100.

PETUNIAS, Single, large-flowering, 3-in. pots, $2.50 per 100.

Cash with order.

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TRENTON, N. J.

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Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.

We respectfully solicit your patronage.

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THE AMERICAN CARNATION By Peter Bisset

Price $3.00. Send for Sample Pages

A. T. De La Mare Ptg. and Pub. Co., Ltd., 2 to 8 Duane Street, NEW YORK

Pomona, Cal.

Friends of C. E. Howland, president of the California Rose Co., will regret to hear of an accident befalling him which has confined him to his bed. He was breaking in a colt to drive, and the animal kicked him in the jaw, shattering his mouth considerably. The shock rendered Mr. Howland unconscious and he fell from the cart injuring his hip badly. However, he writes a friend in a hopeful tone and hoped to be about a little in ten days or so.

New Bedford, Mass.

There has been a good call for flowers the past week. There seemed to be a marked demand for white Carnations, which are awfully scarce just now; the supply last Saturday was not equal to the demand for Mothers' Day, Sunday, May 8. As a general rule most of the customers wanted white flowers on this occasion. Carnations, at the last report, were selling at 50c. and 60c. per dozen.

Roses of very good quality sell at $1.50 per doz., Sweet Peas at $1 per 100 blooms; Lilies at $2 per doz.; Snapdragons at $1 per doz.

Funeral work is good. There is a scarcity of good pot Ferns in this city. Lots of calls come in for good Ferns, in 5-in., 6-in. and 7-in. pots.

Peter Murray has just finished a big job down the bay, at Cuttyhunk, for a Mr. Wood of Lawrence, Mass. He has big gangs of men on gardening work.

Seeds for the children's garden contest in this city are all given out. Great interest is being taken in this contest, and some of the showings already are very creditable to the children.

S. S. Peckham has about 10,000 Geraniums, which will be all right for Memorial Day. R. H. Woodhouse has about 15,000 of them, besides an immense lot of other bedding plants. Pansies and Daisies are still selling well.

The past week has been very cloudy, a condition which has shortened the supply of flowers somewhat. Indications just now are that Lilac will be about all gone by Memorial Day if we should happen to have very warm weather.

Some of the growers are getting ready to plant their young Carnation stock in the field.

Hardy Ferns are scarce here just now.

This year has been somewhat difficult in timing Ten-week Stocks just right.

HORTICO.

Washington, D.C.

Under the auspices of the People's Garden Association, of which David G. Fairchild is president, a new movement was started on May 6, which not only bids fair to become popular but universal. This organization, recently formed, as noted in the columns of the EXCHANGE in extending its work on the above date, with spades and trowels, started out to beautify the byways and hedges, so to speak, about the National Capital.

Every one having an auto was invited to participate. Seeds of all kinds that would succeed in beautifying the various roads were planted.

Thus far the Loughboro, Tunlaw, Conduit, Broad Branch, Woodley lane, Belt, Pierce Mill, and Grant roads have been planted, also Mass ave. extended. The work is to continue until each and every road has received its allotment of seeds and, by Fall, it is expected that the entire District of Columbia will have been greatly beautified.

Sunday, May 8, was celebrated as "Mothers' Day," everyone wearing a white Carnation. Notwithstanding much preparation, before noon the supply of white Carnations was exhausted, and many were compelled to use other flowers. Next to the Carnation the White Daisy received preference.

John H. Davis of the Chain Bridge road, D. C., has a clump of Adiantum cuneatum which is most remarkable in having stood outside all the past Winter where the temperature, Mr. Davis thinks, fell as low as 12°. The only cover of any kind was a slight tuft of dry Grass. For years Mr. Davis has grown Maidenhair Fern in a cool house which, no doubt caused the plant mentioned to become somewhat acclimated; at present it is making good growth.

John Robertson is again preparing to move from his store at 1510 H. st. N. W., owing to his having been notified of changes to be made in the building. Mr. Robertson is at present undecided as to whether or not he will reopen prior to next Fall. JAS. L. CARBERY.

Bedding Stock a Specialty

GERANIUMS, out of 4-in. pots, in bud and bloom, S. A. Nutt, Poitevine, Castellane, La Favorite, Buchner, Doyle and Gloire de France, at $5.00 per 100, or $50.00 per 1000.
VARIEGATED VINCA VINES, 4-in. pots, $7.00 per 100; 2½-in. pots, $2.50 per 100.
SALVIA Bonfire, 2½-in. pots, $2.00 per 100; 4-in. pots, $5.00 per 100.
VERBENAS, 2½-in. pots, $2.50 per 100, $20.00 per 1000.
HELIOTROPE, 4-in., $5.00 per 100.
DRACAENA Indivisa, 5-in. pots, $20.00 per 100.
All stock in first-class condition. Ready for shipping now. Please state how you wish shipments made. Cash with order, please.

E. L. RILEY, Trenton, N. J.
R. F. D. No. 2.

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Splendens Giganteum Hybrids.

The strain which I offer is unsurpassable, in 5 colors including fringed varieties, from 2½-in. pots, $5.00 per 100, $45.00 per 1000; from 3-in. pots, $7.00 per 100, $65.00 per 1000. Now ready.

GERANIUMS

Alph. Ricard, John Doyle, Castellane, Mme. Thibaut, S. A. Nutt, Beaute Poitevine, E. G. Hill, Jean Viaud, Mme. Landry, Mme. Jaulin, La Favorite, extra well grown plants in bud and bloom from 3½-in. pots, $6.00 per 100, $55.00 per 1000. Satisfaction Guaranteed.

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Growers of fine **KENTIAS**

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CROTONS

Fine varieties, first-class plants, highly colored, 25c., 35c., 50c., 75c. and $1.00 each.

DRACAENA SANDERI, 3-in., 25c.

R. G. HANFORD, Norwalk, Conn.

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THE AMERICAN CARNATION—C. W. Ward. Price $3.50. Prospectus.
THE CHRYSANTHEMUM.—A. Herrington. Price 50c.
ARNOLD'S TELEGRAPH CODE FOR FLORISTS.—$2.50.
DESIGN BOOK, THE FLORISTS' EXCHANGE.—Sold to subscribers only. Send for particulars.
FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $2.40. Reviewed Feb. 19, 1910.
THE HEATHER: In Lore, Lyric and Lay.—By the late Alexander Wallace, $1.00. Prospectus.
PLANT CULTURE.—George W. Oliver. Price $1.50; F. E. two years and Plant Culture, $3.00. Prospectus.
PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 27, 1909.
THE ROSE.—H. B. Ellwanger. Price $1.25.
SUCCESS IN MARKET GARDENING.—Herbert Rawson. Price, postpaid, $1.20. Reviewed, April 23, 1910.
SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 50c. Prospectus.
SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.
VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.50. Prospectus.
WATER GARDENING, THE BOOK OF.—Peter Bisset. Prospectus. $2.50.
GOLDFISH, THE, AND ITS CULTURE.—Hugo Mulertt. Price, $2.00. New edition. Prospectus.

The review notices or prospectuses of the books mentioned will be mailed to any subscriber on application.

Prices quoted include prepaid delivery.

Address orders to

The Florists' Exchange No. 2 Duane St. New York

St. Louis

Mr. and Mrs. Loveridge of Peoria, Ill., were in the city a few days last week. Mr. Loveridge consigns to this market.

E. J. Wedderburn of Rockford, Ill., was a visitor last week passing through on his way to Memphis, Tenn.

The Retail Florists' Association, through its secretary, F. C. Weber, Jr., is sending out letters to the retailers, asking co-operation on behalf of the Association, also asking for suggestions as to the best plan for the Association to work on to prevent a certain wholesaler from selling at retail. These suggestions are to be heard at its next meeting.

The committee on the Florists' Bulletin was called for a meeting at Smith's last week by its chairman, Mr. C. Dewever, but only a few responded, and it was decided to postpone this matter until such a time as the growers are not so busy.

Dr. A. S. Halsted, who is the head of the St. Clair Floral Co., Belleville, Ill., spent a day in the city last week and says the company has one of the largest weddings of the year to furnish this week; also that his son Astor is the proud father of a big boy.

The Ladies Florists' Home Circle met on Monday afternoon, with a fair attendance; Mrs. Fred H. Meinhardt was the entertainer. The next meeting takes place on Monday afternoon, June 13.

The retail trade all over the city reports that Mothers' Day on Sunday, May 8, was not a great success; the weather was cold and rainy all day long and those who laid in a big supply and had no funeral work on hand, got badly left.

The wire shops of C. A. Kuehn and Smith & Co. have been very busy of late with wirework of all kinds, especially so with hanging baskets for both local and shipping trade.

Charlie Connor, who has had charge of his brother John's cut flower department for the last six weeks, is busy with funeral work; their Webster plant could not furnish enough cut stock for their work.

The Bentzen Floral Co. on Grand ave. had two 10 ft. broken columns to make Sunday, May 8, with large anchors at their base. Funeral work has been heavy with them of late.

The Engelmann Botanical Club held their regular monthly meeting, in the Botanical Laboratory of the Central High School on Grand ave., at 8 p.m. The feature of the meeting was a paper by Dr. George T. Moore, professor of plant physiology of the Henry Shaw School, on "Life in the Soil." The meetings are open to the public, and especially those in the trade are invited to attend. ST. PATRICK.

Indianapolis

Flower show matters were the principal topics at this month's meeting of the State Florists' Association. The flower show proposition was thoroughly discussed, and given over to a committee for consideration. Among those present at the meeting were Fred Lemon, Chas. Knopf, G. Gause, Earl Mann of Richmond, Ind.; J. S. Stewart and J. A. E. Haugh of Anderson, Ind.; W. W. Coles of Kokomo, Ind. The meeting was held at the Elk's Club rooms, and was attended by some thirty members who enjoyed a most pleasant evening. I. B.

Hail Damages

A hailstorm which florists in Wichita, Kansas, experienced May 1, resulted in much damage to the greenhouses there. Practically every greenhouse in the city suffered. G. R. Bixby suffered a loss of about $1200 on his house and $750 on the plants contained in the same. A. T. Buckridge sustained a $500 loss, besides serious damage to his stock. W. H. Culp & Sons suffered about $2000 loss, equally divided between glass and stock. D. S. Hersey lost about 90% of his glass. At the Kuechenmeister establishment, the glass loss will amount to $3000, with a plant loss of about $2000. The damage to C. P. Mueller's establishment will approximate a figure between $3000 and $5000.

At Lancaster, Pa., the greenhouses of Wm. A. Heren, at 6th and Chestnut sts., were damaged considerably by hail recently.

WICHITA, KANS.—D. B. Cain & Co. are now the proprietors of the greenhouse at 1621 Fairview ave., formerly belonging to A. T. Buckenridge.

WE call special attention to our large stock of **FERNS,** in all the leading varieties. We particularly mention **NEPHROLEPIS SCHOLZELI** and **NEPHROLEPIS COMPACTA,** both of which are exceptionally fine varieties for growing on.

Neph. Scholzeli
2¼-in. pots, strong plants..$8.00 per 100; $76.00 per 1000
4-in. pots, strong plants..$25.00 per 100; $225.00 per 1000

Neph. Scottii
2¼-in. pots, strong plants..$5.00 per 100; $46.00 per 1000
4-in. pots, strong plants..$16.00 per 100; $120.00 per 1000
6-in. pots, strong plants....$5.00 per doz.; $40.00 per 100
6-in. pots, strong plants....$6.00 per doz.; $46.00 per 100
7-in. pots, strong plants....$9.00 per doz.; $65.00 per 100
8-in. pans, strong plants...$12.00 per doz.; $90.00 per 100
10-in. pans, strong plants.....$24.00 per doz.

Neph. Todeaoides
4-in. pots .....$20.00 per 100
8-in. pans .....$12.00 per doz.
11-in. tubs, very handsome .....$36.00 per doz.

Neph. Whitmani
9-in. pots .....$18.00 and $24.00 per doz.

Neph. Amerpohlii
2¼-in. pots .....$6.00 per 100
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.

Neph. Bostoniensis
11-in. tubs .....$3.00, $3.50 and $4.00 each

Neph. Compacta
2¼-in. pots, strong plants..$15.00 per 100; $126.00 per 1000

Ficus Pandurata, at $2.00, $3.00, $4.00 and $5.00 each
(Branch), at .....$2.50, $3.00, $4.00 and $6.00 each

Crotons
4-in., well colored .....$25.00 per 100
5-in., well colored .....$50.00 and $75.00 per 100
6-in., well colored .....$9.00, $12.00 and $15.00 per doz.
Well colored specimens at $1.50, $2.00, $2.50, $3.00, $3.50 and $4.00 each.

Queen Alexandra Daisy
Strong plants, exceptionally will flowered, just the thing for window boxes and vases, at $6.00 and $8.00 per doz.

Pandanus Veitchii
Beautifully colored .....$6.00 per doz.; $46.00 per 100

Cyclamen.
We are the largest growers of Cyclamen in America. The stock offered this year is the very highest quality.
2½-in. pots, very strong....$8.00 per 100; $75.00 per 1000
3-in. pots, very strong.....$10.00 per 100; $90.00 per 1000
This stock is much heavier than is generally offered in the above sized pots and will make specimen plants for Christmas sales.

Gardenia Veitchii
2¼-in. pots .....$8.00 per 100; $75.00 per 1000
6-in. pots .....$5.00 per doz.; $35.00 per 100
6-in. pots .....$6.00 per doz.

Standard Baby Ramblers, Crimson, very strong, $1.25 each.
Standard Baby Ramblers, White, very strong, $1.25 each.

SALVIAS
Zurich and Firehall, 4-in. pots, strong plants in bud and bloom, $7.00 per 100, $65.00 per 1000.

ROBERT CRAIG COMPANY, 4900 Market Street, **PHILADELPHIA, PA.**
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Adiantum Cuneatum and Gracillimum, 2¼ in., $3.50 per 100, $30.00 per 1000.

FERNS FOR FERN DISHES

Extra strong, healthy, bushy, full grown, 2¼ in. stock, guaranteed to please; in assortment of 12 best varieties, $3.00 per 100, $25.00 per 1000. 3 in., $6.00 per 100, $55.00 per 1000.
250 at 1000 rate.
Asparagus plumosus nanus. Excellent 2¼ in. stock, $3.00 per 100, $25.00 per 1000.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist
Please mention the Exchange when writing.

Scholzeli Fern

The best payer and most prolific Fern to date. 2¼-in. $7.00 per 100.

	Per 100
Superbissima, 2¼-in.	$7.00
Whitmani, 2¼-in.	5.00
Scottii, 2¼-in.	5.00

CHAS. H. CAMPBELL
3601 Germantown Avenue
PHILADELPHIA, PA.
Please mention the Exchange when writing.

Ferns in Flats
All The Leading Sorts
One hundred and ten large clumps in a flat, can be divided, ready June 1. Terms and price on application to,
EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.
Please mention the Exchange when writing.

FERNS FERNS
Assorted Ferns for Jardinieres, in 6 to 8 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $26.00 per 1000.
FERN SEEDLINGS, from flats, in 10 best varieties, ready June 1.
THOMAS P. CHRISTENSEN
SHORT HILLS, N. J.
Please mention the Exchange when writing.

Dracaena Indivisa
A Fine Stock In All Sizes
4 inch, 12 to 15c.; 5 inch, 20 and 25c.; 6 inch, 35 and 50c.; 7 inch, 75c.

SCOTTII FERNS, 6 inch, 50c.
ASPARAGUS PLUMOSUS, 2¼ inch, strong, $3.00 per 100; 4 inch, $10.00 per 100.
COCOS WEDDELLIANA, 2¼ inch, 10c. each, $9.00 per 100.
VINCA VARIEGATA, strong, 4 inch, $12.00 per 100.

HENRY WESTON, Hempstead, N. Y.
Please mention the Exchange when writing.

Ferns and Bedding Plants

Assorted varieties for dishes, strong, healthy plants, from 2¼-in. pots, $3.00 per 100, $26.00 per 1000; 3-in., $6.00 per 100.
Boston Ferns, 8-in. pots, $1.25 each; 7-in., $1.00 each; 6-in., 60c. each. Scottii, 7-in. pots, $1.00 each.
Nephrolepis Whitmani, fine plants from 6-in. pots, $9.00 per doz.
Cocos Weddelliana, 2¼-in., $10.00 per 100, $85.00 per 1000.
ASPARAGUS P. Nanus, 3-in. pots, $6.00 per 100, $50.00 per 1000; 2¼-in., $3.00 per 100, $25.00 per 1000.
GERANIUMS, fine stocky plants, in bud and bloom, 4-in., Nutt, Poitevine and Double Grant, $6.00 per 100.
SALVIA Splendens and Bonfire, 3-in., $3.00 per 100; 2¼-in., $2.00 per 100.
ALTERNANTHERAS, 2¼-in., Red and Yellow, $2.00 per 100.
BEGONIA Vernon, 2¼-in., $2.00 per 100, $18.00 per 1000.

FRANK N. ESKESEN, Madison, N. J.
Please mention the Exchange when writing.

NEPHROLEPIS
WHITMANI, 2½-in., $5.00 per 100; $40.00 per 1000.
MAGNIFICA (new), $25.00 per 100.
BOSTON FERNS, 2½-in. $30.00 per 1000.

Henry H. Barrows & Son,
WHITMAN, MASS.
Please mention the Exchange when writing.

Fern Seedlings in Flats
In best varieties, ready June 15.
20,000 KENTIA Belmoreana, in 2¼-in. pots, ready now; also,
25,000 ASPARAGUS plumosus nanus, 2¼-in., ready for shifting.
Prices on application.
NEW PANSY SEED READY JULY 1.
B. SOLTAU FERNERY,
199 Grant Avenue, JERSEY CITY, N. J
Please mention the Exchange when writing.

DRACAENA INDIVISA
Strong, 4-inch, $10 00 per 100.
ASPARAGUS SPRENGERI, strong 2½-inch, $3.00 per 100.
ASPARAGUS PLUMOSUS, 2-inch, $2.00 per 100.
WETTLIN FLORAL CO., Hornell, N. Y.
Please mention the Exchange when writing.

Dracaena Indivisa
Nice large plants, 6-in. pots, $25.00 per 100; 12 at 100 rate, less at 30c. each.
ASPARAGUS Plumosus, 6-in., $25.00 per 100; 3½-in., $7.00 per 100.
Cash with order.
C. S. CHASE, Dighton, Mass.
Please mention the Exchange when writing.

DRACAENA INDIVISA
One year, transplanted on benches last October, strong stock, $1.50 per 100, $12.00 per 1000.
DWARF ALYSSUM, FEVERFEW, STOCKS, SENECIO, each at $1.50 per 100.
DWARF ORANGES, in bud and bloom, 4 and 5-in. pots, 8 plants for $1.00.
Cash prices.
E. FRYER, Johnstown, Pa.
Please mention the Exchange when writing.

A1 STOCK
DRACAENA Indivisa, 5-in., $2.50 per doz., 6-in., $4.00 per doz.
VINCA variegata, 4-in., $10.00 per 100.
IVY GERANIUM, 2½-in., $3.00 per 100.
GERANIUMS, Nutt and other good varieties, 4-in., $8.00 per 100.
FIELD-GROWN PANSIES, German Strain, $1.00 per 100, $8.00 per 1000.
H. P. ROSES, 6-in., just right for Memorial Day, $6.00 per doz.
F. C. RIEBE, Webster, Mass.
Please mention the Exchange when writing.

THE AMERICAN CARNATION
Price, $3.50
A. T. De la Mare Ptg. and Pub. Co. Ltd., N. Y.

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FOUNDED IN 1888

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American Peony Society

The 1910 meeting of the American Peony Society will be held at Horticultural Hall, 300 Mass. ave., Boston, Mass., in connection with the regular Peony show of the Massachusetts Horticultural Society, Thursday and Friday, June 9 and 10. A. H. FEWKES,
Newton Highlands, Mass. Secretary.

This date is subject to change if weather conditions require.

New Rose Grand Duke of Baden

Rose Grossherzog von Baden (Grand Duke of Baden). Tea hybrid Mme. Caroline Testout × Meta.—Desiring to obtain an improved Testout, somewhat more elongated in form, with a richer color and more pronounced perfume, P. Lambert of Trier, Germany, selected the fine Rose Meta for the parent plant with which to fertilize Testout, and the seedling which sprang from this combination, Grand Duke of Baden, comes close to the result he strove for. While neither the bud nor the flower, nor even the shoots, are as large as those of Testout, the bud of Grand Duke is more pointed, the flower, when fully open, is more double, and the color is brighter; the delicate carmine pink derived from Testout is enlivened by the reddish yellow tints derived from Meta, a combination of hues that is altogether charming in effect. The perfume is strong and sweet. The flowers develop slowly but evenly, and will keep for a long time when cut, 6 to 10 days without fading. The habit of the plant is compact, bushy and even; it is hardy and healthy, is easily forced, and a very free bloomer. At the Fall Rose show in Mannheim, it received first prize as the best novelty.—*Rosenzeitung.*

S. A. F. 1910 Convention Notes

C. H. Vick, superintendent of the trade exhibition, reports very satisfactory progress in the arrangements being made for the coming convention of the S. A. F. Orders for space are coming in rapidly and keen interest is being evidenced by all the concerns through the country. We are assured of having the hall filled to the utmost capacity. Work on the souvenir album is also going on and a production of the first rank is assured. The illustrations in the album will be entirely new and there is no doubt that when completed it will reflect great credit on Rochester, and those in charge of its publication.

Prospective exhibitors are again reminded that space is going fast and the sooner they reserve their requirements the better it will be for all concerned. No fears need be entertained of overcrowding or being put away in one corner, as Convention Hall is specially adapted for this purpose and is equal to all requirements.

The bowling contest will be held in the Grand Central Alleys. These are acknowledged to be the best in the city. Mr. Odenbach, the proprietor, has offered a silver cup for the successful team.

The shooting matches will take place at the Riverside Gun Club, South Park. This park is one of great natural beauty and we are indeed fortunate in being able to secure these grounds for the shooting contests.

H. B. STRINGER, Secretary Rochester Association.

Readers' Views

Experiences with New Dahlias of European Origin

Editor The Florists' Exchange:

I am anxious to reply to an article of yours appearing in your last issue, believing I can interest a great many of the florists who are trying out new things, particularly Dahlias. From time to time I find horticultural papers, either in Europe or this country, announcing, with large headlines, wonderful novelties of Dahlias originating in Europe. An experience which has cost my employer a fairly good sum of money enables me to give some good advice to those who, like myself, grow extremely enthusiastic with descriptions of novelties, and only find, after going to the expense of procuring them and growing them, that all their hopes are dashed to pieces. This particularly holds good as regards Dahlias of German origin; not that I would claim or wish to infer that the descriptions of these novelties are exaggerated by the introducers, because the actual photos show that they justify the descriptions, but the vast difference in climate certainly has a wonderful effect upon these novelties in America.

No one would be more willing to give credit to German productions than I am, but my trials have never satisfied my expectations in that line. Among several hundreds of German Dahlias I can pick out not more than one dozen which have stood the test, and which should be in every collection of Dahlias. Foremost in this list I place the Cactus Dahlia Aurora, which in my mind is one of the peers of the Cactus Dahlias. Then follows Kriemhilde, which has made wonderful success in certain parts of the country. In the East we have no use for it, because it flowers so late and sparingly.

Next follows the variety Lawine, a Cactus of a pure white color, which today is unequaled among white Cactus Dahlias for free-flowering habit and good stems. Another Cactus of German origin is Dasmärchen, a flower of beautiful formation, and of a delicate pink color. Flieder is another good German creation, being the most distinctly colored Cactus Dahlia I know of; a soft delicate lilac.

The freest yellow Cactus Dahlia to my knowledge is Goldkind, also of German origin. The Dahlia Wunderkind does well only in certain locations.

Credit must be given to the German growers for the introduction of the dwarf Cactus Dahlia, which has a great future before it, as it can be used with telling effect in landscape gardens and is a sheet of color during the whole season and needs no staking.

Among the Decorative Dahlias there is one Dahlia which for the florists cannot be equaled. This variety is the white blooming sort called Kaiserin Augusta Victoria.

Although the Hollanders may claim to be the originators of the Peony-flowered Dahlias, I am positive it was such German growers as Pfitzer who brought this type forward and who catalogued it before the Holland growers ever thought of it. Among these German introductions of Peony-flowered Dahlias there are several which not only equal but far excel the Hollanders' introductions. A variety which should be grown by florists for a money maker is called Anna Sutter. This is of dwarf, sturdy growth, carries its flowers on erect stems and its flowers are of the most refined form that could possibly be desired. The color is a clear yellow. It flowers freely and is a good shipper. Another fine Peony-flowered Dahlia, of German origin, which in my estimation equals in form or color some of the prettiest Orchids, is called Philadelphia. The petals are more of the Cactus form, but very long, and there are but two or three rows of them. The color is a combination of deep pink and white, and the flowers are borne in great bunches and lend themselves excellently for table decorations or basket work.

All the varieties I have enumerated are selections of over a thousand sorts and introductions of Dahlias of ten years' duration; so one can readily see that the percentage of good things is exceedingly small.

Among last year's introductions, of which I had not less than seventy-five, I have not been able to select a single one that showed superior quality. New Dahlias as a rule are quite expensive, and it means a considerable expense to get this education; it is therefore wise for any florist to rely upon the American grower for his selections. For it is the American grower who has had the expense of obtaining this knowledge, and is willing to give the American florists the result of his experience.

Boston, Mass. MAURICE FULO.

[As in America so in Europe there are novelties originating by scores every year. Of the foreigners we mention those only which are given the most prominence in European trade papers—we must not be understood as recommending them. As admitted by Mr. Fuld some of the foreign sorts have done well here.—ED.]

Privet in Nebraska

Editor The Florists' Exchange:

Here, at the York experiment station, for years we have been testing the various kinds of ornamental shrubs to find something suitable for hedges. We have tried the silver-edged Privet from France and it is beautiful as it first opens, but under the influence of our hot sun and dry air the silver will revert to the green and never appear again. The Ibota variety is regarded as the hardiest of all. With us it is the tenderest and utterly worthless—just fit for the brush pile. Some, in a sheltered place, managed to grow 8 ft. tall, but were killed to the ground last Winter. Many things that can resist the cold cannot endure our dry Winters. Hanson's Sunbeam Raspberry, so popular all through the North and hardy without protection in Manitoba, kills to the ground every Winter in Nebraska. Regelianum is fairly hardy. It is not suitable for hedges, but is fine as an individual specimen, very attractive with its sweet white bloom and rich clusters of purple berries. The vulgaris is tender. The California Privet—from Japan—is in great demand. One of its attractions is that it keeps green a long time in the Fall, but it kills down badly.

As tested year by year, the Golden Privet is by far the hardiest of all. I suppose this is a sport of the California variety. It is beautiful for hedges or as an individual. On a cloudy day it looks as if a streak of sunshine lay along the hedge. This is rare, you find it in only a few price lists, but it is easily propagated, both by divisions and cuttings. This variety has a future, and must be in great demand.

Next hardiest is the Swedish Privet, which for 20 years has been so popular in Colorado, especially at Boulder, where you will find it in beautiful hedges. Sometimes it is trimmed to resemble posts and gateways.

York, Neb. C. S. HARRISON.

Help Wanted—As One Man Sees It

Editor The Florists' Exchange:

Your editorial, "Help Wanted," is very good as far as it goes. Suppose that the employers were willing to train help. Could they get it? I think not! What father will let his son go to a trade that works 58 to 60 hours a week (saying nothing of overtime and Sundays) and after ten years' experience, he can get from $12 to $15 a week, when there are lots of other trades (where good men are just as scarce) that only have a 48-hour week, pay from $20 to $25 a week. Raise the wages to the level of other trades and they'll get the men. ONE OF THE HELP.

The Commercial Definition of a Seedling

Editor The Florists' Exchange:

As it appears to the trade here the definition of a seedling, as rated commercially, is and will be just what the U. S. Customs authorities choose to make it. The broad question of when a plant passes from its infancy into a higher stage cannot be defined, except by years, for convenience sake for, as a matter of fact, a plant raised from seed and not perpetuated by artificial means, can never be anything but a seedling.

No rule can be made which would cover all plants. Take a Dahlia, for instance; it could not be considered a seedling after its first year, while an orchid unflowered would still be considered a seedling after many years.

Newport, R. I. ALEX. MACLELLAN.

Obituary

William E. Hall

Wm. E. Hall, son of Ezra and Nancy Hall, was born May 18, 1857, and passed away at his home on Piety Hill, Clyde, Ohio, Tuesday, May 3, 1910, at 8.25 p.m. He was nearly fifty-three years of age. His severe illness of four weeks' duration was due to a relapse after having a siege of the grip. Mr. Hall was born and raised in Clyde where he had spent all of his life. He was married to Eva Stark, June 17, 1885. To this union were born six children: four sons, Eugene, Breese, Lloyd and Frank, and two daughters, Amy and Lulu, who, with the sorrowing wife and mother are left to mourn the loss of a loving husband and father. He also leaves an aged father, Ezra Hall who, thirty years ago, started in the florist and gardening business here. Ezra Hall retired in 1898 and the business had since been carried on by his son, William, in a most properous manner; in latter years he has been assisted by his sons, Eugene and Breese. Mr. Hall had gained a wide reputation and was well known and highly respected by the community at large. Funeral services were held on May 6. Interment was in McPherson Cemetery. Among the florists in attendance from out of town were Messrs. Geo. Bayer and Krueger of Toledo and Isaac Husbands of Bellevue, O.

Mr. Hall was a member of the S. A. F. and O. H., the American Carnation Society, the Toledo Florists' Club and the Independent Order of Florists.

Henry C. Eickhoff

Henry C. Eickhoff, a well-known nurseryman of Indiana died at his home on the Michigan road, near Indianapolis, on April 29. The deceased was born June 9, 1853, on the farm where since his twentieth year he carried on the nursery business, originally in partnership with his brother Edward A., but later in his own name. He leaves a widow and eight children, five girls and three boys.

The Late Baron Schroder, C. V. O., V. M. H.
From The Gardeners' Chronicle, Eng.

Baron Sir Henry Schröder, C. V. O., V. M. H.

Baron Schröder, C. V. O., V. M. H., head of the banking firm of J. H. Schröder & Co., London, England, and in private life a well-known orchidist, died, April 21, at the age of 85. His ancestors were among the leading merchants of Hamburg, and the family had been naturalized in England since 1864. At his country seat at Egham, Surrey, he devoted much time and attention to his Orchids. His collection was the oldest in England and rich both in species and hybrids, many plants in it being original and historical.

A large number of Orchids have been named after Baron Schröder, these, with the rarities in his collection making too long a list to mention here. He was for many years an active member of the council of the Royal Horticultural Society, and largely through his generosity and efforts the Royal Horticultural Hall was built; in fact, he was known as the "Father of the Hall." All Orchid lovers will regret his death.

Brilliant Red Dahlia Giant of Stuttgart

Riese von Stuttgart (Giant of Stuttgart) is a novelty by Wilhelm Pfitzer of Stuttgart, Germany, which is considered the largest-flowered among the brilliant red Dahlias. The flowers measure nearly eight inches across, and rise well above the fine foliage. This novelty has created a sensation in Germany.—*Bindekunst.*

New York Florists' Club

The regular monthly meeting of the New York Florists' Club was held in the Club's rooms, Grand Opera House Building, 23d st. and 8th ave., on Monday evening, May 9, with a fair attendance of members. President Miller occupied the chair.

The New Plant and Flower Market

W. H. Siebrecht, Jr., secretary of the joint committees having in charge the project for a plant and flower market under the Queensboro Bridge, reported that the matter was now in the hands of the comptroller and would be shortly brought before the board of aldermen, thence going before the board of estimate for an appropriation. The comptroller had reported favorably upon it and the bridge commissioner was in accord with the project.

The Club Outing

H. A. Bunyard, chairman of the outing committee, reported that his committee had arranged that the annual outing of the Club should take place on Tuesday, June 28. The committee had had a meeting that day and arranged some of the details. The price of tickets would be the same as last year: $5 for tickets admitting a lady and gentleman; $3.50 for gentlemen's single tickets, ladies' tickets $2, and tickets for children $1. A souvenir program would be issued similar to the one of last year and members whose portraits did not appear in last year's issue should send their photographs to the secretary at once. The steamer Isabel has been chartered for the occasion, Witzel's Point View Grove being the objective point of the excursion.

The Hitchings Cup of Merit

W. E. Marshall of the exhibition committee made the following report:

The exhibition committee recommends that the Club offer the cup presented by Hitchings & Co. for competition at the Club's monthly meetings, commencing with the June meeting and ending with the December meeting of this year, said cup to be known as the "Hitchings Cup of Merit" and to be awarded to the exhibitor scoring the greatest number of points during the next five meetings, and to be presented to the winner at the first meeting of next year. The terms of the competition should be as follows:

1. Competition open for plants and cut flowers only.
2. One hundred points to be the maximum number allowed for any one exhibit; quality alone to count.
3. The same variety cannot score more than once in any competitive season.
4. The number of cut flowers required should be as follows: Carnations, not less than 25 blooms; Roses, not less than 25 blooms; Gladioli, not less than 25 blooms; Chrysanthemums, not less than 10 blooms; Chrysanthemums, Pompon, not less than 12 sprays; Stocks, not less than 12 sprays; Snapdragons, not less than 12 sprays; Dahlias, not less than 12 sprays; Sweet Peas, 5 bunches of 12 in bunch or more; Peonies, not less than 10 blooms, and Violets, not less than 100 blooms. Other blooms not specified to be in like proportion.
5. Novelties entered for certificate not entitled to competition.

The committee further recommends that the cup, if offered by Hitchings & Co. annually, should be competed for in the same way as before, but competition should commence with the January meetings and continue each month until the end of each year, the cup to be presented to the respective winners at the first meeting of each year.

Darwin Tulip Nauticus
See issue of April 23, page 735

On motion of Patrick O'Mara the report of the committee was adopted.

Walter F. Sheridan, for the essay committee, announced that George V. Nash, of the New York Botanical Garden, would, at the next meeting, give an illustrated lecture entitled "On Horseback Through Hayti."

The following were elected to membership: J. W. Merritt, 384 Jay st.; J. Ebb Weir, Fifth ave. and 25th st., and E. W. Wiles, 812 Ocean Parkway, all of Brooklyn, N. Y.; and T. Mellstrom, 235 Broadway, New York.

J. H. Pepper, for the committee having in charge the preparation of a memorial on the death of Mrs. W. J. Vesey, Fort Wayne, Ind., read resolutions which were, on motion, accepted and a copy ordered to be sent to Judge Vesey. Professor John Craig of Cornell University, Ithaca, N. Y., then made an address on "Some Phases of Experimental Work in Relation to Floriculture."

Some Phases of Experimental Work in Relation to Floriculture

The address was, in part, as follows: "On the occasion of your annual dinner, I made some small attempt to bring to your notice some of the work which we are doing at Ithaca along floricultural lines. It was not my intention to present, at that time, a serious address, and not being blessed with the versatile ability of the gentleman who presided so ably that evening, I deemed discretion wiser than valor and faded away. Tonight you are at my mercy because if you escape from this hall, you will be detained in the ante-room. Unfortunately, I did not have time—because we think ourselves rather busy at the college just now—to prepare a set address and there is a good deal of danger from the garrulity of unpreparedness, one is not always able to recognize the proper stopping place; but I will call the attention of those of you who are interested in floriculture as a life work to some of the lines we are trying to throw more light upon.

"Floriculture in this country, as one sees it, differs in a marked degree from floriculture in the older countries of Europe, particularly in the fact that here it is a distinctly commercial industry and in the old countries an amateur feature clings around it. Our amateurs will increase in number, of course. As countries grow old, cultural ideas develop, and floriculture is a fine art and appeals to cultured people, so that larger interests will center upon it and we may expect the amateurs will increase in number.

New York State Leads All in Floriculture

In this State, floriculture occupies a very proud position. The Empire State leads in a number of agricultural industries. It is rather surprising, as compared with the great agricultural States, how New York stands forth. When we hear of the corn, the wheat, the hog and beef States, we are apt to think of them as leading. In the finer products New York stands first, and in floriculture she leads; in her nursery interests, also in the vegetable industry she leads, and she would lead in the fruit industry were we to eliminate the California interests. We, as horticulturists, should realize the position we occupy. The State has done a good deal to foster our interests. In 1905, she established a college of agriculture at Cornell. Previous to this, the Federal government established a Federal station. Now, Federal experimental establishments are to be found in every State in the Union. The Federal government provides only for the carrying on of experiments, providing no building equipment. If any line of work requires building equipment, such building must be taken care of by the State. That is where floriculture has lost out.

The agriculturists of the country said their industry demanded certain care and attention, and got money from the State. The florists have been rather modest. They have not, thus far, said to the State that their industry has many problems which should be solved, and, therefore, there has been no call upon the State in the direction of solving them. I do not mean to say that no experiments have been carried on for the floricultural interests. Our work has been divided into two parts. With a very small and meagre equipment of glass we attempt to carry on some work, but our main experiments have been directed in the field type, the one in which we could use Federal money. In this field work the great floricultural products, such as Carnations and Chrysanthemums, have to be left out, but Asters, Peonies and Sweet Peas have been prominent.

Cornell Station and the Peony

The efforts we have been making in the direction of Peonies have been most noted. The American Peony Society was organized sometime ago for the promotion of the Peony, and its directorate met with the directors of Cornell University and asked if we could co-operate. The Society, on its part, furnished plants; we, on our part, provided ground and labor. So we came together. We now have 1600 varieties, so-called, of Peonies. The first step in our work was to find out all the varieties of Peonies which were listed, here, there and everywhere, and one man worked on that side of the question continuously, delving through every scrap of literature, and wherever he found a name he put it down, with reference, and subsequent reference was given to these names. That work resulted in a check list of Peonies containing the correct names, as far as spelling was concerned, as applied to Peonies. The next step was the study of the varieties on the grounds of Cornell, and the best collections available in the country elsewhere. The list resulted in the publication of a second report, which took up the classification and added over 75 varieties which were thought authentic. This work stands at the present time in the process of a third report which will include about 200 additional varieties, all of which we have, to the best of our knowledge, put in shape with complete descriptions. We publish two lists, one which grades the varieties, and the other which furnishes technical description and which goes into detail. Our new publication will be out within about

(*Concluded on page 866*)

Greenhouse Construction and Heating

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By JOHN A. PAYNE

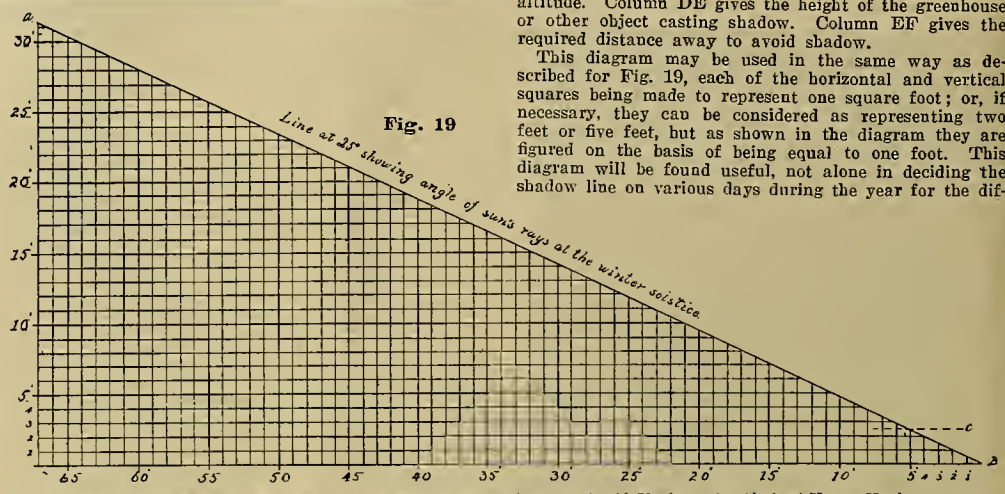
[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper]

Article III—Continued

Distance Between the Houses

In planning for the erection of separate houses, the question of how far one house should be built away from the other so as to avoid the shadow of the ridge of one house falling on the side glass of the next house naturally arises. This, of course, very largely depends upon the height of the ridge, which is governed by the width of the house and pitch of the roof, in addition to the height of the eaves.

In planning for the future, with a piece of land of a given size the distance the houses should be apart is a matter which should be decided at the outset, and to enable a prospective builder to decide this question intelligently the diagram shown in Fig. 19 is constructed. This diagram shows the shadow line that many greenhouse builders have used in the construction and erection of greenhouses between Philadelphia and Boston, and other places to the west in the same latitude, and, while it is not correct for all uses, it has been found sufficiently close for practical purposes, and it is given at this time so that intending builders within these latitudes may have it for quick reference. For other places, outside of these latitudes, and where other shadow lines are desired, a supplemental diagram is furnished, Fig. 22.



This Diagram Shows How Far Houses Should be Set Apart to Avoid Shadow, the Pitch of House Having Already Been Determined

The diagram, Fig. 19, is used as follows. First, determine the height of the ridge of the proposed house. Assuming that it is the intention to build a house 30 ft. wide, with the eaves 6 ft. high, the roof being constructed on a pitch of 7 in. to the foot, to find the distance of the ridge above the eaves take one-half of the width of the house, which is 15 ft., and multiply this by 7 in., which equals 105 in. or 8 ft. 9 in., the vertical distance from the line of the eave plates to the ridge. To this should be added the height of the eaves above grade, which is 6 ft., thus making a total of 14 ft. 9 in., which is the height of the ridge above line. The figures to the left of the diagram (Fig. 19) indicate the various heights of the ridge above grade up to 30 ft. high, each of the squares being equal to one square foot. Thus, for a ridge 14 ft. 9 in. high, go up the column on the left hand side of diagram to figure 10 and then count four squares farther up, and three-quarters of the next square, the whole equalling 14 ft. 9 in., the height of the ridge above grade. Draw a line from this 14 ft. 9 in. point over to the right, until it strikes the diagonal line of the sun's rays AB, and from this point trace a line downward to the line at the bottom of the diagram, and it will be found that it comes to a point about 31 ft. 6 in. from the point B at the toe of diagram, or where the line of the sun's rays, AB, strikes the bottom or grade line. Each of the squares along this line are also equal to one square foot. If the height of the sill of the future house will be 2 ft. 6 in. above grade, which is the usual height, it would be the same height as the dotted line C which crosses the shadow line, AB, just 5 ft. from the point B along the bottom or grade line. Therefore, subtracting 5 ft. from 31 ft. 6 in. gives us 26 ft. 6 in., the distance required between the center of the ridge of the contemplated house and the side of the future house, and assuming that this ridge is placed in the center of the 30 ft. house it would mean there would have to be a space of 11 ft. 6 in. between the two houses, so that the shadow from the ridge would strike the future house at the sill line when the sun was at an altitude of 25°.

If the house was made 40 ft. wide, with the ridge in the center and 8 ft. high eaves, the roof of the house being constructed on a pitch of 7 in. to the foot, it would make the height of the ridge 19 ft. 8 in., and by tracing up the column at the left side of the diagram to one-third of a square below 20 ft. it would be just 19 ft. 8 in.; tracing this line over the right until it strikes the diagonal line of the sun's rays, AB, we find that the downward line from this point strikes the bottom line of the diagram at a point 42 ft. 6 in. from the point B; and assuming the same height of sill, 2 ft. 6 in., in the future house, it would mean that the side of such house would have to be set 37 ft. 6 in. away from the center of the ridge, which in the case of a 40 ft. even span house would mean that there would have to be a space of 17 ft. 6 in. between the sides of the two houses to avoid the shadow of the ridge falling on the side glass of the future house. To further explain and illustrate the use of this diagram see Figs. 20 and 21.

Fig. 20 shows two even span 20 ft. wide houses with eaves 5 ft. above grade. The roof being built on a pitch of 7 in. to the foot would make the height of the ridge 10 ft. 10 in., which, according to the diagram, shows that the center of the ridge of one house should be 18 ft. away from the side of the next house, or 8 ft. between the houses.

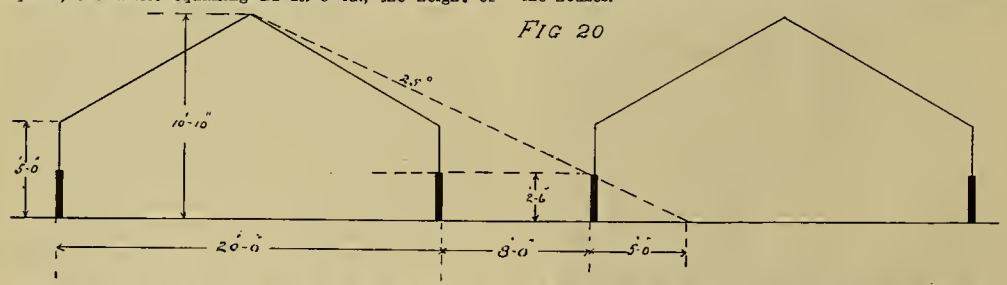


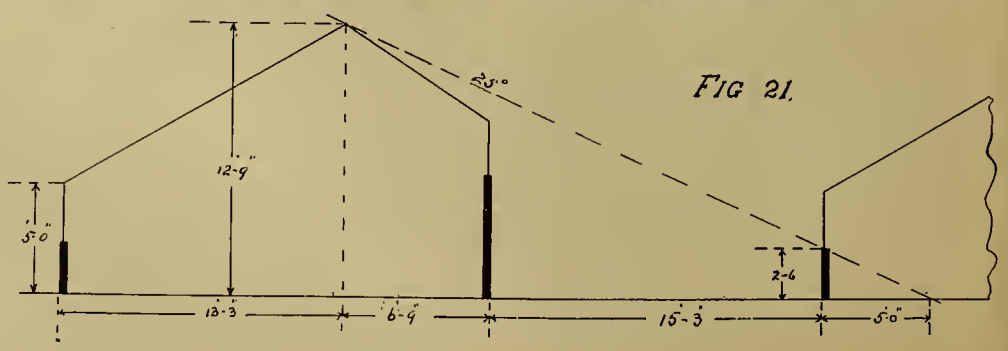
Fig. 21 shows two three-quarter span houses 20 ft. wide, the eaves on the south side 5 ft. from the grade line. The center of the ridge is placed 13 ft. 3 in. from the south wall and the pitch of the south side of the house is 7 in. to the foot, making the ridge 12 ft. 9 in. high.

According to Fig. 19 the center of the ridge of the south house should be about 22 ft. away from the side of the north house, which would make the distance between the two houses 15 ft. 3 in.

As before stated, the diagram Fig. 19 shows the shadow line which has been used in connection with the erection of greenhouse work in places between the latitudes of Philadelphia and Boston, but it is very apparent that it cannot be correct for all the area included within these lines, although for the purpose intended it is close enough. However, for the benefit of growers purposing building outside of these latitudes, and also for those who desire a more correct shadow line, we present diagram Fig. 22. This shows the shadows caused by the sun's rays at an altitude from 10° to 80°. In this diagram the columns A, B, C give the degrees of the sun's altitude. Column DE gives the height of the greenhouse or other object casting shadow. Column EF gives the required distance away to avoid shadow.

This diagram may be used in the same way as described for Fig. 19, each of the horizontal and vertical squares being made to represent one square foot; or, if necessary, they can be considered as representing two feet or five feet, but as shown in the diagram they are figured on the basis of being equal to one foot. This diagram will be found useful, not alone in deciding the shadow line on various days during the year for the different heights and widths of greenhouses, but also because in case there should be on a certain piece of property a building or clump of trees, and it is desired to know at what distance to place a greenhouse so as to avoid the shadow from such obstruction, all that will be necessary will be to find the height of the building or tree and decide at what altitude of the sun it is desired to avoid the shadow, then proceed in accordance with the directions given for diagram Fig. 19. Presuming there is a clump of trees 35 ft. high and it is desired to place a greenhouse so as to clear the shadow of these trees when the sun's altitude is 25°, go up column DE, to the left of diagram, to the point marked 35 ft., follow this line over to the right until it crosses the shadow line of 25°, as seen in column AB, and from this point trace down to the bottom of the diagram to line EF, at which point we find that the termination of the shadow of the tree or building, with the sun at the altitude mentioned, is just 75 ft. away from such object. In other words, the end of the shadow falling upon the ground from this object will be just 75 ft. distant. If it is desired to find out the length of the shadow with the sun at an altitude of 40°, follow out the same line of 35 ft. high until it crosses the 40° shadow line, and tracing down to the bottom of diagram to column EF, we find that the length of the shadow with the sun at this altitude would be 42 ft. Diagram 22 may also be used to find the height of an object, if the altitude of the sun is known. This is done by measuring out the distance from the building or tree to the end of the shadow, and finding this distance along the line EF tracing upwards until the line indicating the altitude of the sun is reached, then tracing out to the left to column DE where the height of the obstruction will be found. For instance, assuming that a building or other obstruction casts a shadow 30 ft. long when the sun is at an altitude of 40°, finding in the bottom column, EF, the figures 30 ft., and tracing up this line until it crosses the 40° altitude line, then tracing to the left to column DE, we find that the height of the obstruction is about 25 ft.

If it is desired to know the length of the shadow from this obstruction when the sun is at an altitude of 25°, note where this 25 ft. high line crosses the 25° shadow line, and tracing down from that point we find that the



shadow would be just about 53 ft. 6 in. long with the sun at this altitude. As before stated, this diagram can be made to find any altitude or distance by changing the values of the squares to any figure desired.

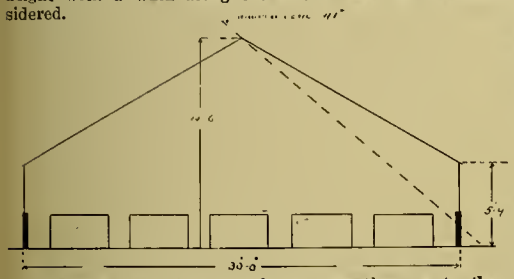
We will next take up the consideration of the desirability of large or small houses.

GREENHOUSE CONSTRUCTION and HEATING

INQUIRY DEPARTMENT

In Mr. Payne's article No. 3 in the EXCHANGE of April 23, regarding shadeless ridge houses, I would like to see a section of such a greenhouse showing how far the ridge would have to be carried beyond the center of the house so that the shade line from the ridge strikes the inside of the north wall at the floor line on February 21, for a house having the ridge due east and west; also the method of finding such shade line for each month, or any time of the year in the latitude of Chicago, Ill.—G. F. C., Oak Park, Ill.

The altitude of the sun in the latitude of Chicago on Feb. 21 would be about 41° or 42°, and at this altitude it would not be necessary to construct anything but an even span house to avoid the shadow of the ridge. This is shown by the section of a 30 ft. house here illustrated, having 5 ft. 9 in. eaves and the roof constructed on a pitch of 7 in. to the foot. The ridge would be 14 ft. 6 in. high, and, as will be seen by the dotted shadow line, the shadow of the ridge would come at a point slightly below the sill line, placed at 2 ft. 6 in. high. If the eaves of the house were made about 4 ft. high the shadow of the ridge would fall just at a point inside of the north wall at the floor line, but as this would be an impracticable height with a walk along the side it need not be considered.



Regarding the last part of your question, as to the shade line for any time during the year, this is too large a question to be answered within the space for the purpose, but if you will write to the U. S. Naval Observatory, Washington, D. C., that institution will furnish you with an American Nautical Almanac for each year, from which you can get the declination of the sun whereby you can figure the various altitudes.

In this issue we show a diagram that will give you the necessary information as to the length of the shadow when you know the sun's altitude.

BY EBER HOLMES

Selecting Stock for Planting

To the new beginner the question of what to plant is an important one, but one easily answered. Plant only approved and standard varieties at first, which you know will do well. You cannot afford at this time to take any chances, but later on you may branch out and try any of the novelties you may take a fancy to. Pick out a few kinds and invest in five or six of each variety, these will not take up much of your space and will be enough to show how they will act with you. It is likely that you may find some very good novelty in this way which will be of value to you, but until you get established confine yourself to the kinds you know that you can do well.

Raised Bench and Solid Bed Comparisons

This is the best time of the year for replanting and, although planting will not be finished for three months yet, the earlier it is done the better will be the result. When the general results for the year are summed up I fail to see much difference between plants grown on benches and those grown in solid beds. In the early part of the Winter I think that raised benches are preferable, but for late Spring and Summer flowers the beds give us the best results. I rather think that the variety Richmond gives flowers with more substance when grown on the solid beds.

Care of the Young Plants

The young stock, previous to planting, will need the best of care. This is the time of the year when everything grows and multiplies more rapidly than at any other. The plants themselves will make a rapid growth if they get the proper care, and will need care in watering, tying, weeding, and should be kept clean and free from mildew, red spider and other pests. The weeds will grow fast now if they get a chance, and as this is such a very busy time it pays to put on extra help and get everything done right at the proper time rather than neglect these important things. Weeds should never be allowed to grow in the pots with the young plants; not alone is the plant damaged, but two hours' work at the proper time is worth a day after things gets in bad shape. Cut the flowers off the young plants as they open, leaving as much good foliage as possible on the plant. Sometimes the bud alone may be cut off, but, generally speaking, the first small leaf may be cut off with the flower, which leaves a good eye from which the next break will be made. It is wise to let the buds show color before taking them off, for then any mixing of the stock may be avoided. This applies to such kinds as pink and white Killarneys, and others where the foliage is identical.

Care of the Loam Pile

If the loam intended for use in planting is in a pile, it would be well to make the same as long and narrow as possible, to give every chance for the sun and air to get at it; and also to turn it over several times on dry sunny days, spreading it out if wet; but if it is about the right condition as to moisture, a pile ridged up to the center will keep off a good deal of the rain and prevent it getting too wet. The weeds should never be allowed to grow on the loam pile.

Early Planting in Benches Desirable

It is not likely that much planting will be attempted by the general run of growers until after the rush of Memorial Day is over, but the first two weeks in June are often even busier, as far as the rush of work is concerned, than are the ones just preceding the holiday, if such a thing as this is possible.

Therefore, if room is available, planting before June 1 is a decided gain in every way. Not only will the plants be better able to take care of themselves in the benches than in the small pots, but they will have the advantage of getting well established in the best time of the year.

Planting

If the soil is light and gravelly, and not wet when put in the houses, it may be trodden down with advantage, and then leveled off with the rake before the plants are put in. If the opposite is the case I would not tread it. Ordinary helpers may be set to carry the plants around, and to dig out the holes, leaving the more experienced men to do the planting. A round stick should be used to tamp down the soil and firm it carefully around each plant. These sticks may be easily obtained from old broom and shovel handles. Leave a small hole around each plant for the greater ease of watering.

Whenever the planting is done it is best to get all the help possible and push it through as quickly as possible, a few days' difference in finishing the job will pay for a few extra men during the operation.

Treatment of Young Stock After Planting

Give a good soaking to each plant to settle the dirt thoroughly around it, but do not wet the whole bench for several weeks, excepting to damp down the top soil. Syringe the young stock, after planting, every fine day, and damp down several times daily in very hot weather. Scratch over the top of the beds once a week to keep down the weeds and to sweeten the soil.

A Use for the Old Plants

The man with a retail place who is replanting would do well to plant outside some of his old plants of such varieties as Killarney and other Hybrid Teas. These make a splendid show outdoors in the late Summer if given good ground and kept free from weeds.

Helping the Memorial Day Crop

As the greatest holiday of the year, from the point of quantity of flowers used, is approaching, the flowering plants must not on any account be neglected. Feed liberally and water freely. Disbudding will have to be done every other day. Syringe freely on fine days and damp down every day. Keep the plants tied up, out of the walks. Air will be left on the houses every night now, but fire heat is also needed and a little sulphur should be kept painted on the pipes to keep out mildew, as long as the fire heat is available. There is no excuse for mildew as long as the firing lasts.

Mulching Old Plants for Summer Run

Start in with clean houses whenever you drop firing, whether this happens in May or July. Plants which you expect to run through the Summer, or even for the next two months only, may need another mulching of cow manure at this time, if the first was applied about March 1. Two cords of good cow manure for 5000 sq. ft. of bench surface will not be too much. Common wooden or zinc pails make the best things to carry this in; five or six men will cover the ground very quickly. Level down the manure, give a good watering and then cover over with a sprinkling of loam. Leave as much air as possible on the house the first few nights, to prevent burning the foliage, if the manure is fresh.

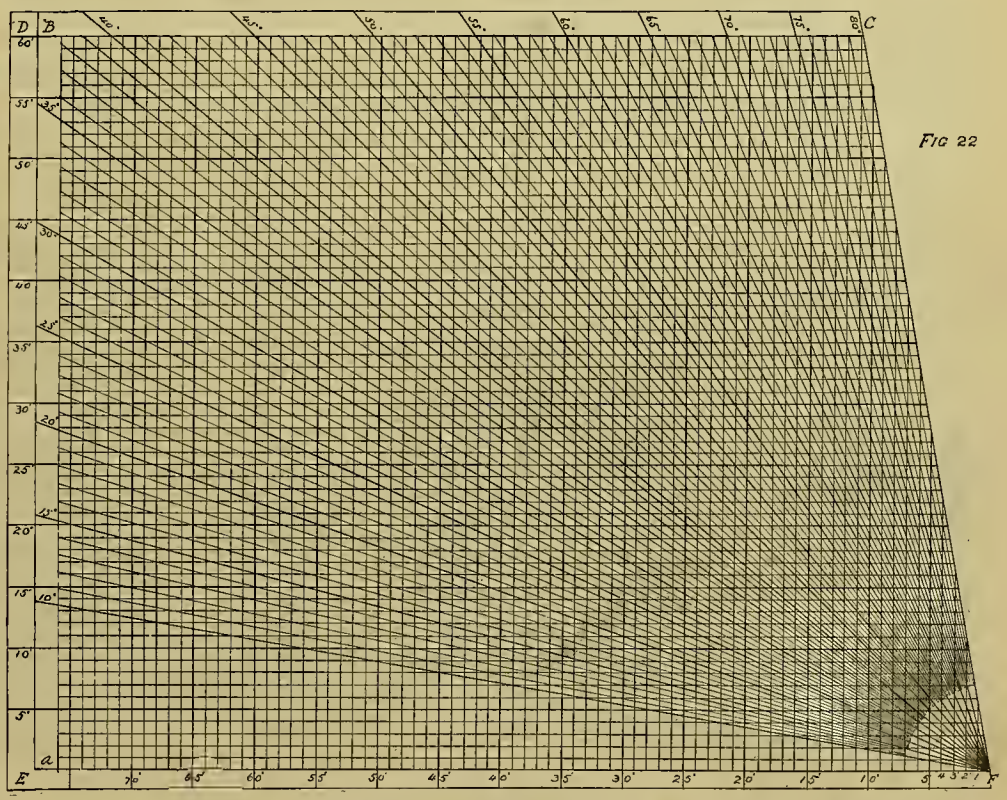


FIG 22

Diagram showing shadow line with the sun's altitude at from 10° to 80°. Column D—E shows height of object casting shadow. Column E—F shows required distance away to avoid shadow.

three weeks and will be valuable to all persons in New York State and all members of the American Peony Society. This is a type of field work in which all florists are interested.

Cornell's Work for the Sweet Pea

We are undertaking, in co-operation with the National Sweet Pea Society, a similar line of work. We have planted about 600 varieties of Sweet Peas and we have quite an elaborate descriptive system for the purpose of checking off the character of different varieties of Sweet Peas. The work is exactly along the line of the Peony work and is for the purpose of sifting out the best varieties and giving results of the work to everybody interested in Sweet Peas. This is a work I am very pleased, indeed, to see. It is co-operative work for florists and others, men who are in the business to make money, but you know that men at the commercial end cannot afford to start an experiment. They have not the means to spend a long period in investigating the cause of anything. Therefore, right here is the place for the experiments and if it is possible in Illinois, so it is in New York State and it is your business to see that it is done. Tell us how we can help you.

Solving Problems of Under Glass Culture

In the line of work under glass we have had a considerable number of problems started which have not been carried to completion by any means, but we have gained some useful information as far as we have gone. One of the subjects taken up about ten years ago, was the influence of artificial light on plants. We first studied it, and later on when acetylene light came to be a factor it was added, and results with acetylene, so far as we have been able to carry on the work, have promised to be valuable. In the forcing of plants, such as Lilacs, especially for Winter crops, during the dark days of December and January, we have found that artificial light, particularly acetylene, was an influential agent, but we cannot say it is commercially successful because we have not had the glass to do it with. The acetylene has been very successful and has no injurious qualities in it, so we should apply that light if it could be used commercially to advantage. We have tried it on a great many plants and found it to have much influence. This line we should push much further.

Etherizing Plants

Another line of work is etherizing plants. This process has been tried very extensively in France, and we have tried it briefly. In the work of this year in that line there was a good deal to find out, the amount of dose, the length of time to give it and the proper time to force, was determined; 50, 70 and 90 grams to the hectolitre were used and the times varied from 48 to 72 hours. We went over a large line of bulbs. In the case of Narcissus, the greatest gain was 16 days in bringing it to the complete flowering stage. That means a good deal in the saving of heat and labor. In Hyacinths, the greatest gain was only 10 days; in Tulips, only 5 days were gained. With Lily of the Valley very interesting results were secured. The test strength was 90 grams with 48 hours of exposure. This hastened the flowering period 4 days. We found that if we used as much as 120 grams the plants were killed outright. The Valley treated with the 90 grams of sulphuric ether were readily forced without bottom heat, but those untreated not having bottom heat made no show whatever. Our untreated pips made no show of foliage to say nothing of flowers, while those which were treated came into bloom. The cost was ridiculously low, one dozen Narcissus bulbs required 5c. worth of ether.

Lines of Work Projected

Some of the lines of work which we are projecting I will enumerate. In the first place, I should like to see our grounds as a clearing house for the novelties of each season so that they may be tested under uniform conditions and careful descriptions made of all things of promise. Each year we have a large crop of novelties, and the men who originated them are the only fellows who know anything about them, and naturally must be biased. In the general line of crops new novelties continually come up.

When I referred to the acetylene light, I might have said that we wish to use the Tungsten burner for comparison with the arc light and acetylene light.

Then there is the great question of fertilizers. We know little of them. We go along by general observation but do we know as much about the influence of mineral elements as we should? Do we know how we can improve the texture of our plants by the food we can give them? It is a line of experiments which should know no end and we can carry it on for a series of years. The aim is to describe the influence of the combination of fertilizers and the broad influence of one fertilizer. In New York soil we have potash and phosphoric acid. Make them valuable by handling them properly! Perhaps many of you here can give me valuable points along these lines.

In the production and improvement of plants magnificent work has been done by our florists, especially in selection of commercial types. They have been trained to see very small differences. I think a good deal of valuable work of that kind has been done here in the East, although we have been led to believe that west of the Rockies *only* such work can be done. When you look over the whole field of plant culture, you will be astonished how many good things have been brought out through chance. There are principles which should guide our work in the future and it is up to us to find out what they are.

In all our work, however, we need classification and grouping, so that we know the qualities and types and the qualities that belong to the types. Classification work is very important and can only be done to advantage by the experiment station.

The consideration of artificial cooling of glass houses in Summer is one that has a practical bearing, and with a proper refrigerating plant we may achieve something. The preservation of cut flowers, which might come under the head of cold storage investigation, is another line that should receive attention at the hands of the experiment station.

Then the whole question of the method of forcing flowering shrubs should be taken up. Our methods of forcing shrubs are somewhat crude yet and there is good opportunity for experimental work in this direction.

The use of carbonic acid as an agent in forcing plants we know little about, but the field is promising.

Practical methods of sterilizing greenhouse soils present another line of work. The value of different processes of sterilization should be taken up.

The influence of electric currents in the soil on plant growth is important. Some of our Swedish friends have made excellent experiments in this line. A current can be introduced at small cost, and experiments are much needed in this direction.

A practical type of question comes up in the controlling of insect pests, and fumigating methods. In hydrocyanic acid gas the florist has a most efficient weapon against sucking and biting insects.

I need not continue this line of talk further, but these are some of the things we are considering and hope to get under way as soon as facilities are available, which I trust will be before long. I am pleased to see the interest taken in floricultural work. Do not let me give you the impression that the station is asking assistance on these lines. The station is busy, but those who are in horticulture would like to see the horticultural group placed upon a good basis and on a par with other interests. The field for experiments in floriculture is large, and I would like to see a better co-operative effort between us and the workers in the future."

Discussion

Referring to the experiments mentioned with Lily of the Valley, on the natural pips, on which there was no foliage in some cases, Harry Turner asked whether the same experiment had been tried with refrigerated pips. Prof. Craig replied in the negative. Pips used were simply held back in a cool cellar and the different lots behaved practically in the same way. It was to be expected that the refrigerated pips might act similarly. Etherization he said takes the place of the resting period, and it was, therefore, expected that late in the season refrigerated pips might respond as promptly.

Mr. Turner also asked in regard to sterilization of soil which had been used for one season's crop, whether sterilization of that soil would make it right for the growing of another crop successfully. The professor replied that in the forcing of Tomatoes they had been affected by nematodes, but they had grown three crops in the same soil successfully. Sterilization was effected by means of a perforated gas pipe with a number of holes bored in the same, 3 in. apart. This was laid in the soil and connected with a steam service. The operation was quickly done and at small expense. The professor added that when he spoke of sterilization as a whole, it was on lines of something yet to be developed. The florist was the most intensive farmer in the world, and there was no reason why he could not rotate the crops under glass just as it is done outside.

Mr. O'Mara pointed out the fact that great ignorance had prevailed among the legislators as to the immensity of the florists' interests. The question really in his mind was, "Would the State continue to help the farmer to grow a few scabby Apples and let the florists stay where they are without any help?" As Prof. Craig had stated so forcibly before the meeting, men in business could only experiment just so far. When such men began to see they were losing money in pursuing investigations, they stopped. Investigation was work which the experiment station could do, and he believed if the florists got at the question promptly in the State of New York there should be no difficulty in getting the State to do that work for them. At the convention of the S. A. F. next August it might be a proper beginning to organize interests. There were two vice-presidents of the Society in the State of New York, and it seemed to him that it was up to them to organize florists' interests and have some one appear before the authorities to state the exact nature of the case. It should be shown the legislators that the money spent would add to the wealth of the State by strengthening the florist business. If floricultural interests were properly organized, so as to bring the matter home to the authorities, and if experiments could be conducted at Cornell that would be beneficial to the trade, it would be a good idea. He believed a committee should be appointed by the Club to take the matter up and attempt to crystalize the movement into such form as to allow of its being presented at the next Legislature. He, therefore, moved that a committee of seven be appointed to promote the matter, which motion was carried.

Prof. Craig, referring to Mr. O'Mara's motion, suggested that the Club should later on, when organization was effected, appoint a committee to act as an advisory committee in carrying on experiments at Cornell.

James Dean thought that such a committee should be appointed at the present time, and made a motion to that effect, which motion was also carried.

President Miller announced that he would later name the committees.

The Haarlem Show

Inside view showing an arrangement of Hardy Azaleas, with purple Wistarias at the corners, presenting a beautiful harmony of color. The background is composed of Palms, Hydrangea Hortensia and Viburnums.

Carnation Brooklyn

Carnation Brooklyn, the fringed pink variety, which is to be disseminated next season by Charles Weber, Lynbrook, L. I., N. Y., and Robert G. Wilson of Brooklyn, is still in excellent shape at the Weber establishment at Lynbrook, and will continue so until late in Summer. As a variety always "on crop" it has given splendid satisfaction. At the present time, notwithstanding a heavy daily cut for months past, there is a mass of bloom with no end of it in sight. A photograph in this issue taken May 8, shows a house of the variety, the flowers with long, stiff stems, 30 in. to 40 in. long. Mr. Weber will plant 15,000 plants of it in his large house this season.

Summer Roses from a Grower's Point of View

A paper by Charles T. Guenther, read before the Buffalo Florists' Club, May 3, 1910.

Not so many years ago there was practically no demand for good Summer Roses, and, in consequence, none, or very few, were grown. Whatever demand there was had to be filled with Roses which were grown for Winter cut or all the year around. Of course, a lot of La France Roses were grown during the whole year, and it was certainly a beautiful flower—I am at a loss to understand why it is not grown now.

About 1892 or 1893 Testout was sent out and first grown for Winter flowering, but was found to be too expensive. Kaiserin followed about the same time and, while I was working at a well-known Rose grower's place around New York, it gave such poor satisfaction during the Winter months that it was thrown away after two years' trial. But what a grand flower for Summer cut! After trials in several places for Summer flowering it gave such good satisfaction that it is today the only good white Summer Rose grown. It has several faults but these can be overlooked when you get the grand flowers which the plants will produce all Summer long. Testout was tried the same way and extensively grown on the same principle, in the East.

Shortly after, President Carnot was sent out, and while wanting as a Winter bloomer the fine flowers produced on long stems during Summer were very pleasing to the grower. The public, however, were slow in taking hold, and I remember that we were growing this Rose for about a year and a half before there was any real demand for it. Now it is well liked, and a Rose of the same color for Winter cut would be very welcome.

A few years after, Killarney appeared, and while disappointing when first seen, we must say that it has since conquered the world. It is a free bloomer during Winter and the same plants will produce good flowers during the Summer. It is more particular about treatment than other Roses, but when well grown the color is good, also the stem. The foliage takes mildew easily and the flowers are somewhat single, but the public like the flower just the same.

La Detroit made its appearance shortly after, and we always liked the variety. We are growing a few for the Summer cut at present, but as it opens so quick during warm weather we will probably replace it with another pink one, called Ideal. Ideal is a sport of La France, somewhat darker than the parent, but the plants we have have given such satisfaction that we may grow more for pink for Summer cut. When you cut the flower it seems quite single, but the flowers open so nicely and are so full that you can scarcely improve it; and what a nice odor the flowers have!

Wellesley is another good pink Summer Rose, but as we have not grown many I cannot give you my opinion on it until later.

In the darker red Roses we have practically only the American Beauty, which gives good satisfaction to the buyer at any time of year, if not always to the grower.

Of the newer Roses My Maryland is very well spoken of, but what it will do can be seen only next year, as the limited stock in this country is used this year for propagating.

White Killarney showed up fine in several places where I have seen the flowers, and if it will prove as good a seller as the Pink Killarney it may become a standard Rose for all the year round. President Taft is another new Rose and from what I have seen of the flowers I think that it will make a fine Summer Rose. All these Roses have to be grown in greenhouses around Buffalo to give good satisfaction.

But one Rose has been very successful with us outdoors, and that is Cochet. Flowers from outside are better than those grown inside, unless the former should get spoiled through rain. After several trials of keeping plants of this variety outside, all Winter, we dig up the plants in the Fall, pot them and store them in a cold house, where they begin to grow slowly in the Spring. At the end of May we plant them outdoors, and if watered well you will get a lot of good flowers all Summer long, and I think that Cochet and its white sport should have the widest dissemination among owners of gardens who like to cut a few Roses during the Summer. Around Baltimore this Rose will stand the Winter outdoors, but here we have not succeeded in keeping them in good shape under such conditions.

The Retailer

Flowers at Sea—How They Keep

After a splendid trip across the ocean, we expect to reach Dover tomorrow (Sunday) about noon, where our first mail leaves the steamer, then proceed on our way to Antwerp. The trip across was the best in my experience, smooth sea and fairly warm weather so that the passengers were on deck most of the time and "mal de mer" was little noticed.

Harry Bayersdorfer of H. Bayersdorfer & Co. of Philadelphia, and Mrs. Bayersdorfer, were passengers and expect to spend three or four months in Europe.

Now about flowers, on account of which I write these lines. We had an abundance of them on board in the dining saloon and in the cabins, also the "boutique," or shop, had some for sale. What attracted my attention was the keeping qualities. We had Roses, Carnations and Tulips principally, besides Lily of the Valley and some outdoor blossoms. The best and most lasting were Carnation pink Lawson, which are in fair condition yet today, after being one week on the ocean; a few other sorts did not keep as well.

Roses did not stand so well; Bride and Killarney wilted in a few days; the former held out better than the latter. American Beauty kept well and were very showy when fully expanded. Tulips are splendid keepers, about the best flowers at this time of the year for an ocean voyage. A few cut sprays of Cherry and Plum blossoms were fine for four days.

No particular care is given to the flowers which are mainly used on the tables, exposed to draughts at times, and receive very little attention as to change of water and clipping of stems, and it is remarkable how well they keep under such conditions. Carnations are undoubtedly the best blooms for steamer use, and I believe, that if some attention were given to Roses they would stand nicely for four to six days.

I expect to be in Haarlem in a few days and will probably see the tail end of the flower show, also will be at Brussels to see the show there.

3 p.m.—Just passed the wrecked steamer Minnehaha, at the Scilly Islands; she is well out of the water and will be saved. How she got in between the rocks at that place is certainly a mystery!

E. C. REINEMAN.

On board S. S. Lapland, April 30, 1910.

Washington (D. C.) Retail Notes

Gude Bros. of 1224 F st. have a well arranged store, with splendid facilities for decorative work and a good cellar for storage purposes. The rear part of the building extends back to an alley, and teams can drive into the cellar for loading; everything being thus under cover greatly assists in the expeditious handling of stock. This firm supplies the city with Sweet Peas, American Beauty Roses, Lily of the Valley and Stephanotis.

Geo. A. Comley, 1204 Wisconsin ave., Georgetown, has 7000 sq. ft. of glass to bedding stock. The past season was the best in the four years in which he has been in business. The store is a new one, having a good location and fine windows. Some White Lilac in full bloom were shown here, the first of the season, locally.

F. H. Kramer has 75,000 sq. ft. of glass at Anacostia devoted to mixed stock suitabl[illegible] retail stores, one at 916 F st., [illegible] one in Centre Market. He has t[illegible] F st. establishment, which is the [illegible] At the rear of this store is a co[illegible] storage of decorative stock for cit[illegible] is one of the largest advertisers [illegible] the retail florists of the country, us[illegible] only, and the ideas of his own orig[illegible] been his custom for some time and he [illegible] him good returns.

John Robertson, the president of [illegible] club, has a good location on H st., but [illegible] about the middle of May for the Summ[illegible] a new location next Fall, his present [illegible] Mr. Robertson was formerly employed [illegible] House and in the Agricultural Departme[illegible]

W. Marché, 14th st. and H, N. W., rec[illegible] casket cover of Enchantress Carnations and [illegible] Valley with a spray of Easter Lilies on top [illegible] was 8 ft. long by 3 ft. 9 in. in width and e[illegible] favorable comment owing to its unique fi[illegible] Marché reports unusually good business in fun[illegible] and a splendid trade during the Easter seaso[illegible] store has a large amount of window space [illegible] very attractively decorated.

W. W. Kimmel, 1139 14th st, N. W., exp[illegible] give up his present location about June 1, ov[illegible] the property being taken over by an owner who [illegible] to be inclined toward having more drug stores in [illegible] Mr. Kimmel reports considerable funeral work. [illegible]scape work is the leader here, however, and some excellent jobs are reported.

Geo. C. Shaffer of 14th and I sts, N. W., is kept busy on dinner and wedding decorations and on one day recently had four orders for table decorations. Funeral work is very brisk and a large casket cover of white and pink Enchantress was a recent order. Electric auto delivery is in use at this store and gives great satisfaction.

Mayberry & Hoover have a roomy shop at 1339 14th st., N. W., with two splendid windows for display. Business is excellent and has been unusually brisk.

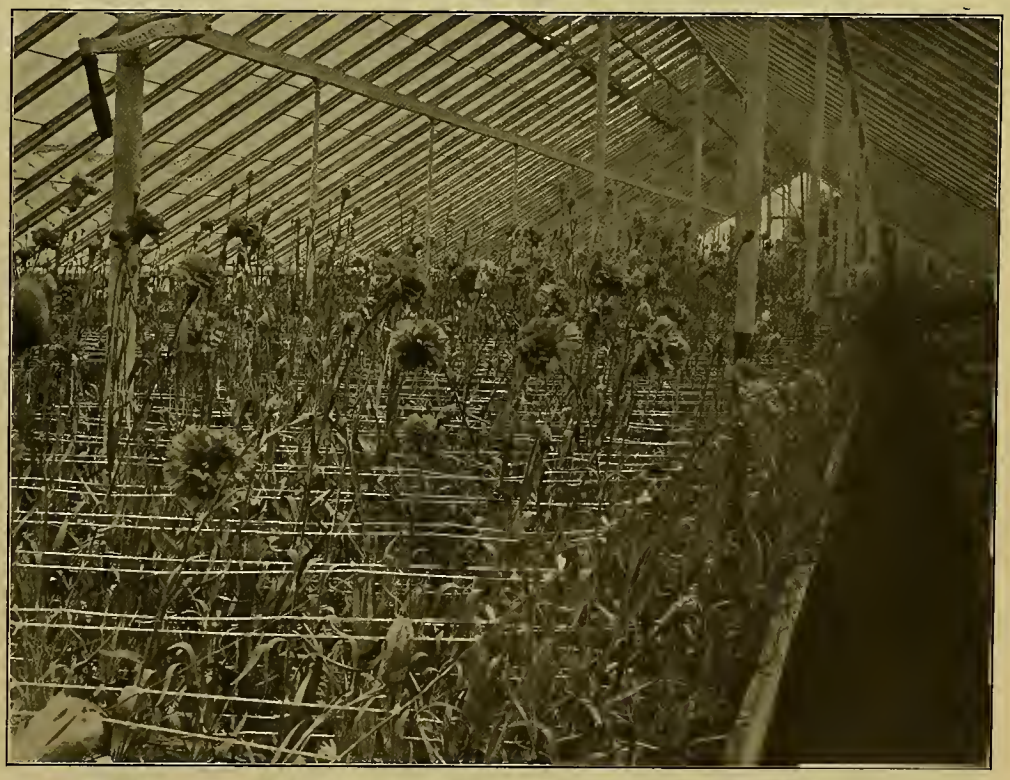
Henry Pfister, 1120 Conn. ave., has his store finished in white with numerous mirrors. The past Easter was the best he has enjoyed in the eight years he has been in his present location; during past season he has been very busy with reception, dinner and wedding decorations.

Geo. H. Cooke makes a specialty of dinner decorations and all hands are kept busy on this class of work. A recent order was for 700 bunches for a large cotillion. His store, at Conn. ave. and L st., is well arranged and the corner location lends to good window displays.

Joseph M. Hardy is doing considerable outside work in landscape gardening and found it necessary to open a show room and retail store last Summer at Vermont

GS

Per 1000
$15.00
15.00
15.00
15.00
20.00
5.00
5.00



House of Carnation Brooklyn at Charles Weber's, Lynbrook, L. I., N. Y.
Photograph taken May 8

Florists in good stand ...ing throughout the country can avail themselves of th... advertisers' offers in this Department and accept, without hesitation, orders from their local customers, ... transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for exten... sion of trade which are open to all. Let your custo... ners know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail fi... me advertising under this heading are ell considered ... by the publishers of The Florists' Exchange as be... ing responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Ord... ers, departing Trains, or any given point within their ... reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade exten... ds, the usual commission being allowed. While no gu... arantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties wh... ose names appear in this Directory, we will state that only concerns of known good standing will be admitted ... in this Department. The use of Arnold's Telegraph Co... ds No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this intercha... nge of business.

Eyres — **ALBANY, N. Y.** — **11 North Pearl Street**

Cut flo... wers or floral designs delivered to any part of Albany ... and vicinity on telegraphic order. Personal attention g... iven and satisfaction guaranteed.

Hatcher — Estab. 1877 — **Leading Florist** — **AMSTERDAM, N. Y.** — **SCHENECTADY, N. Y.**

Atlanta Floral Co. — **ATLANTA, GEORGIA** — **41 Peachtree Street**

We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** — **124 Tremont Street**

We cover all New England points. Retail orders placed with us receive careful attetion. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** — **24 Tremont Street**

Orders by wire receive prompt and careful execution. We can refer to leading florists in all principel cities. Established 1870.

Zinn The Florist — **BOSTON, MASS.** — **No. 1, Park St. No. 2 Beacon St.**

Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Robt. G. Wilson — **BROOKLYN, N. Y.** — **Fulton St. and Greene Ave**

Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality
BUFFALO, N. Y.
W. J. PALMER & SON. **304 Main St.**

Hauswirth — **CHICAGO, ILL.** — **The Auditorium Florist, 232 Michigan Ave.**

The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

JULIUS BAER,
CINCINNATI, O.
Fourth St.

Frank F. Crump — **COLORADO SPRINGS, COLO.** — **Retail Florist**

Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co. — **CONNECTICUT** — **New Haven**
1026 Chapel St., Opposite Yale Colleg

Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. G. Matthews — **DAYTON, OHIO** — **Florist, 16 West Third Street**

Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Bride's Bouquet
Composed of Lily of the Valley, Orchids, Adiantums Farleyense and Croweanum

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Caronia	M'y 14	10.00 am.	W. 14th St., N. Y	Liverpool
St. Louis	" 14	10.00 am.	W. 23rd St., N.Y.	Southampton
Minnewaska	" 14	10.30 am.	W. 16th St., N.Y.	London
Baltic	" 14	11.00 am.	W. 21st St., N.Y.	Liverpool
Vaderland	" 14	11.00 am.	W. 18th St., N.Y.	Antwerp
Koenig Albert	" 14	11.00 am.	3rd St., Hoboken	Gib-Nap-G'n'o
D'a D' Abr'zzi	" 14	12 00 m.	W. 34th St., N.Y.	Naples-Genoa
California	" 14	12.00 m.	W. 24th St., N.Y.	Glasgow
Venezia	" 14		Pier 33, Bklyn	Naples
Caroline	" 14	3 00 pm.	W. 44th St., N.Y.	Havre
K'r W. d. Gr'sse	" 17	10 00 am.	3rd St., Hoboken	Bremen
Noordam	" 17	10.00 am.	5th St., Hoboken	Rotterdam
Virginia	" 17		Bush Dks. Bklyn	Naples-Genoa
Lusitania	" 18	9.00 am.	W. 14th St., N.Y.	Liverpool
Argentina	" 18	1.00 pm.	Bush Dks. Bklyn	Napls-Trieste
Oceanic	" 18	2.00 pm.	W. 21st St., N.Y.	Southampton
Graf. Waldersee	" 18	2.00 pm.	1st St., Hoboken	Hamburg
La Provence	" 19	10 00 am.	W. 15th St., N.Y.	Havre
Gr's'r Kurfuerst	" 19	10.00 am.	3rd St., Hoboken	Bremen
Carpathia	" 19	12.00 m.	W. 14th St., N.Y.	Napls-Trieste
Lombardia	" 19	12.00 m.	W 34th St., N.Y.	Naples-Genoa
Minneapolis	" 21	9 30 am.	W. 16th St., N.Y.	London
Celtic	" 21	9 30 am.	W. 21st St., N.Y.	Liverpool
K A Victoria	" 21	10.00 am.	1st St., Hoboken	Hamburg
New York	" 21	10.00 am.	W. 23rd St., N.Y.	Southampton
Pr. Fried W'lh'm	" 21	10 00 am.	3rd St., Hoboken	Bremen
Prinz. Irene	" 21	11 00 am	3rd St., Hoboken	Naples-Genoa
Lapland	" 21	11.00 am.	W. 18th St., N.Y.	Antwerp
Furnessia	" 21	3.00 pm.	W. 24th St., N.Y.	Glasgow
Kronp. Cecilie	" 24	10.00 am	3rd St., Hoboken	Bremen
Rotterdam	" 24	10.00 am.	5th St., Hoboken	Rotterdam
America	" 24	12.00 m.	W. 34th St., N.Y.	Naples-Genoa
Campania	" 25	9.00 am	W. 14th St., N.Y.	Liverpool
Majestic	" 25	9.30 am.	W. 21st St., N.Y.	Southampton
Bluecher	" 25	10.00 am.	1st St., Hoboken	Hamburg
M. Washington	" 25	1.00 pm.	Bush Dks. Bklyn	Napls-Trieste
Germania	" 25	12.00 m.	Pier 33, Bklyn	Naples
Pr. F'd'k Wilhelm	" 26	10.00 am.	3rd St., Hoboken	Bremen
La Touraine	" 26	10.00 am.	W. 15th St., N.Y.	Havre
San Giovanni	" 26	12.00 m.	Pier 22, Bklyn	Napls-Palrmo
Hellig Olav	" 26	2.00 pm.	17th St. Hoboken	Copenhagen
Deutschland	" 28	9.00 pm.	1st St., Hoboken	Hamburg
Minnetonka	" 28	9.30 am.	W. 16th St., N.Y.	London
St. Paul	" 28	10.00 am.	W. 23rd St., N.Y.	Southampton
Carmania	" 28	10.00 am.	W. 14th St., N.Y.	Liverpool
Columbia	" 28	10.00 am.	W. 24th St., N.Y.	Glasgow
Barbarossa	" 28	11.00 am	3rd St., Hoboken	Naples-Genoa
From Boston				
Romania	M'y 14	2.00 pm.	B & M Dks. Char	Naples-Genoa
Philadelphian	" 20	8.30 am.	B & M Dks, Char	London
Sannio	" 21		Clyde St., E Bos	Naples-Genoa
Saxonia	" 24	9.30 am.	B&A Dks, E. Bos	Liverpool
Cestrian	" 25	10 30 am.	B&A Dks, E. Bos	Liverpool
Numidian	" 27	12.00 m.	Mystic W'f Char	Glasgow
Columbian	" 27	1.00 pm.	B & M Dks. Char	London
Philadelphia				
Haverford	M'y 14	10.00 am.	53 So. Wharves	Liverpool
Verona	" 20		24 No. Wharves	Glasgow
Carthagenian	" 17		80 So. Wharves	Naples-Genoa
Marquette	" 27	10 00 am.	55 So. Wharves	Antwerp
Marion	" 28	10.00 am.	53 So. Wharves	Liverpool
Siberian	" 28		24 No. Wharves	Glasgow
San Francisco				
Mongolia	M'y 24	1.00 pm	1st Street	Honolulu, Japan, China
Tenyo Maru	" 31	1.00 pm.	1st Street	

ave. and L st., N. W. He has numerous specimens of shrubs and trees, arranged in large tubs, setting upon his lawn and sidewalk which affords an object lesson to inquiring customers.

J. M. Hammer & Sons, 64 Florida ave., N. E., have some 10,000 sq. ft. of glass devoted to bedding plants and also maintain stalls in two of the local markets. Mr. Hammer is fortunate in being able to make his own pots, having been connected with the pottery trade in former years; in fact, he was the only member of the family for several generations who did not follow the pottery trade.

Z. D. Blackistone, 14th and H sts., N. W., reports a number of big receptions, one being that given at the Arlington by Mrs. Math. T. Scott of the D. A. R.. A unique bridal luncheon table decoration was a center piece showing a church aisle having four arches and five Dresden figures dressed in costume. The piece was 30 in. long and 18 in. wide, with 8-in. figures. The flowers were Marguerites, with Asparagus. The Blackistone store is well located and has several show windows. The interior is well decorated and finished in white.

C. E. Brooks, 1527 14th st., reports the best Easter trade he ever had. The store is well decorated with bedding stock arranged in tiers along its sides. The window is well filled and funeral work is very brisk. Mr. Brooks has been in his present location for about eight years.

P. M. R.

The Park Floral Co. — **DENVER, COLORADO** — **1706 Broadway**

J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

John Breitmeyer's Sons — **DETROIT, MICH.** — **Broadway and Gratiot Ave.**

We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — **INDIANAPOLIS, IND.** — **241 Massachusetts Ave.**

Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — **JACKSONVILLE, FLA.** — **20 Laura St.**

We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — **KANSAS CITY, MO.** — **1017 Broadway**

I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — **LOUISVILLE, KY.** — **644 Fourth Avenue**

Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA** — **855 St. Catherine St., West**

We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Young & Nugent — **NEW YORK** — **42 West 28th Street**

We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** — **25 Clinton Avenue, North**

We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — **SCRANTON, PA.** — **122 and 124 Washington Ave**

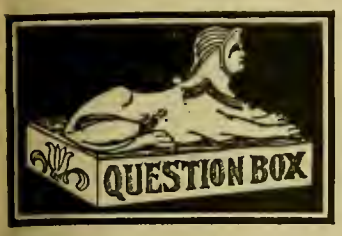
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** — **20-22-24 West Fifth Street**

We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see pages 872, 873

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.



We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(117) **Plant for Identification.**—T. L., N. Y.

—The name of the plant of which you sent us a specimen flower is Streptosolen Jamesonii; it is native of the United States of Colombia.

(118) **Out of Door Rose Buds Blighting.**—H. A. C., Fla.

—Perhaps the Rose buds blighted just before expanding because the season was very wet, and the buds were covered by the foliage. The later crops will probably expand all right. It would be well to trim out such foliage as covers the buds and tie up the flowers so that they will get the sun and air. Good culture, so as to promote vigorous root action, will also help.

(119) **Coleus Name Wanted**—B. V. Greenhouses, N. Y.

—The sample sent was so small as to be impossible of identification. Read directions for sending specimens.

(120) **To Kill Small White Worms in the Soil.**—E. F., Cal.

—Use "Vaporite" on the soil of your Fern houses; this preparations is advertised in another column of this paper.

(121) **Remedy for Primula obconica Poisoning.**—M. C. D.

—Primula obconica is a mild external poison to some persons. Wash the affected parts with imported white Castile soap and warm water, repeating as often as necessary.

(122) **Carnation Foliage and Blooms Affected.**—C. R. L., N. H.

—The specimen submitted appears to be affected with a kind of blight; spray with Bordeaux mixture.

RENO, NEV.—F. J. Fisher, florist, was seriously injured recently through the collapse of the front wheel of a bicycle he was riding.

LOUISVILLE, KY.—The family of H. G. Walker, florist, had a narrow escape from suffocation recently during a fire at his residence.

WEST QUINCY, MASS.—George F. Elcock has just received, from Germany and France, forty new Cactus Dahlia plants, all of which were prize winners last year.

SALT LAKE CITY, UTAH.—Maurice Charvoz, a veteran gardener of this city, who had laid out numerous artistic gardens in the fashionable section of this city, died May 1, aged 70 years.

LEWISBURG, PA.—During the recent flood a low spot on the farm of Florist Rine, below the river bridge was flooded. When the water receded a number of large carp were left in the water, unable to escape. Mr. Rine made a raid on them and captured 21, weighing all the way from four up to ten pounds.

HOLLAND, MICH.—Jones & Ebelink, florists and nurserymen of Central Park, have dissolved partnership. Mr. Ebelink takes the greenhouses and will continue that end of the business. Mr. Jones takes the Glenwood Fruit Farm with all nursery stock, and will conduct a general nursery business under the style of the Glenwood Nursery.

NEWARK, N. J.—Frank Penek, the florist, recently boasted that he had for a long time kept several boxes of Pansies in front of his place of business, and that because of the honesty of Newarkers the flowers had been unmolested. "I still believe our citizens are honest," said Mr. Penek subsequently, "but I have, nevertheless, changed my mind about the safety of prized articles when placed on the sidewalk. Superintendent Shipman, of the board of works, and his gang got my Pansies."

CHRYSANTHEMUM CUTTINGS

Now booking orders for early delivery

WHITE	Per 100	Per 1000
Oct. Frost	$2.00	$15.00
Kalb	2.00	15.00
V. Poehlmann	2.50	20.00
Touset	2.00	15.00
A. Byron	2.00	15.00
Wanamaker	2.00	15.00
White Cloud	2.00	15.00

WHITE	Per 100	Per 1000
T. Eaton	$2.50	$20.00
Chadwick	2.50	20.00
Nonin	2.00	15.00
PINK		
Balfour	2.00	15.00
Enguehard	2.00	15.00

YELLOW	Per 100	Per 1000
Golden Glow	$2.00	$15.00
Monrovia	2.00	15.00
Oct. Sunshine	2.00	15.00
Appleton	2.00	15.00
Y. Eaton	2.50	20.00
Golden Chadwick	3.00	25.00
Halliday	2.00	15.00
Bonnaffon	2.00	15.00

J. D. THOMPSON CARNATION CO., Joliet, Ill.

Please mention the Exchange when writing.

CHRYSANTHEMUMS ROOTED CUTTINGS READY NOW

WHITE	Per 100
OCTOBER FROST	$2.00
ESTELLE	2.00
POLLY ROSE	2.00
ROBINSON	2.00
WHITE CHADWICK	3.00
MERRY XMAS	3.00
YANOMA	2.00
MRS. BUCKBEE	2.50

	Per 100
WHITE BONNAFFON	$2.00
SNOW QUEEN	2.50
WHITE IVORY	2.00
C. TOUSET	2.00
PINK	
PINK IVORY	2.00
ROSIERE	2.00
DR. ENGUEHARD	2.00

YELLOW	Per 100
MONROVIA	$2.00
ROBT. HALLIDAY	2.50
GOLDEN BEAUTY	2.50
GOLDEN GLOW	3.00
YELLOW BONNAFFON	2.00
RED	
INTENSITY	2.00
BLACK HAWK	2.00

WIETOR BROTHERS, 51 Wabash Avenue, Chicago, Ill.

Please mention the Exchange when writing.

MR. FLORIST:—

Do you grow 'Mums, and do you still grow Ivory for your home trade? If so, how would you like a yellow Ivory? I have it. It's a true sport exactly like its parent in all but color.

I can quote you immediate delivery on 2½-inch pot plants at $2.00 per dozen, $15.00 per hundred, $125.00 per thousand.

We have 200,000 plants ready to ship from 2¼-in. pots, at $25.00 per 1000. Col. Appleton, Nellie Pockett, Duckham, Polly Rose and all Standard Varieties.

CHARLES H. TOTTY, Madison, N. J.

Please mention the Exchange when writing.

Chrysanthemums

All the Standard Varieties

POMPONS and SINGLES

$2.00 per 100, $15.00 per 1000

Stock guaranteed true to name

GEO. B. HART

24 Stone St., ROCHESTER, N. Y.

Please mention the Exchange when writing.

100,000 Chrysanthemums

Best Commercial Varieties in clean, well-rooted Cuttings

Price—$2.00 per 100, $15.00 per 1000; 500 at 1000 rates. EARLY WHITE—Opal, Estelle, Oct. Frost, Touset, Ivory, Alice Byron, Miss Clay Frick. LATE WHITE—White Bonnaffon, Tim. Eaton, J. Nonin. EARLY YELLOW—Monrovia, Hillden, Robt. Halliday. LATE YELLOW—Maj. Bonnaffon, Golden Wedding, Yellow Jones, PINK—Glory of Pacific, Wm. Duckham, Pink Ivory, Maud Dean, Minnie Bailey.

Golden Glow (yellow) and Yellow Eaton, $2.00 per 100, any quantity.

50,000 MARIE LOUISE VIOLETS, sand rooted cuttings, New York Stock, $2.50 per 100, $20.00 per 1000.

10,000 POTTED CANNAS, in 12 best bedding varieties, $5.00 per 100; send for list of sorts.

BENJAMIN CONNELL, MERCHANTVILLE N. J.

Please mention the Exchange when writing.

FLORISTS' 'MUMS

Still a great many good Commercial, Exhibition, Pompons and Singles.

For further particulars see *Stock for Sale, Page 870*

ELMER D. SMITH & CO., Adrian, Mich.

Please mention the Exchange when writing.

Chrysanthemums

Polly Rose, Dr. Enguehard, 2¼-in., $2.50 per 100, $20.00 per 1000.

AGERATUM, Stella Gurney, 2¼-in., $2.00 per 100.

SMILAX SEEDLINGS, 50c. per 100, $4.00 per 1000.

Cash with order.

C. A. PETERSON, Madison, N. J.

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Owing to non-renewal of lease, following stock grown for own use is for sale: 3000 Pacific, 4000 Yellow Bonnaffon, 2000 White Bonnaffon, 1000 Pink Maud Dean, 1000 Enguehard, 1000 Monrovia, at $20.00 per 1000, out of 2-in. pots. Cash with order.

BAYVIEW GREENHOUSES

2300 Flatbush Avenue, BROOKLYN, N.Y.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

SPECIAL GRAND CHRYSANTHEMUM OFFER

1000 OCTOBER FROST or GOLDEN GLOW, out of 2½-in. pots, $17.50; 500 for $9.00.

CHRYSANTHEMUMS

	R. C. 100	R. C. 1000	2½-in. pots. 100	2½-in. pots. 1000
WHITE.				
October Frost (500 for $9.00)	$2.00	$15.00	$2.50	$17.50
White Seedling No. 1	6.00	40.00	6.00	50.00
White Seedling No. 2	8.00	75.00	9.00	30.00
Virginia Poehlmann	2.00	25.00	4.00	25.00
Alice Roosevelt	3.00	25.00	4.00	35.00
Alice Byron	2.00	15.00	2.50	20.00
Minnie Wanamaker	2.00	15.00	2.50	20.00
Nonin	2.00	16.00	2.50	20.00
White Bonnaffon	2.00	15.00	2.50	20.00
Yanoma	4.00	30.00	5.00	45.00
John Burton (late)	4.00	30.00	6.00	45.00
Chadwick	5.00	25.00	4.00	35.00
Novelties.				
Lynnwood Hall	5.00	40.00	6.00	50.00
Pres. Taft	10.00		12.00	
Pompon Baby Margaret	10.00		12.00	
YELLOW.				
Golden Glow (600 for $9.00.)	2.00	16.00	2.50	17.50
Monrovia	2.00	15.00	2.50	20.00
Appleton	2.00	16.00	2.50	20.00
Maj. Bonnaffon	2.00	15.00	2.50	20.00
Golden Eagle (new)	4.00	35.00	5.00	45.00
Golden Chadwick	3.00	27.00	4.00	35.00
Mrs. W. E. Kelley (new)	10.00		12.00	-
Virginia (new)	10.00		12.00	
Baby (Pompon)	6.00		6.00	
PINK.				
Rosiere	2.00	15.00	2.50	20.00
Minnie Bailey	2.00	15.00	2.50	20.00
Dr. Enguehard	2.00	16.00	2.50	20.00
Hankey	4.00	25.00	5.00	40.00
RED.				
Cullingfordii	3.00	25.00	4.00	35.00
Black Hawk	3.00	25.00	4.00	26.00

BEDDING PLANTS

2-inch stock of following: Salvias, Lobellae, Petunias, Ice Pink, Salleroi, Geraniums, German Ivies, Thunbergias, and all standard cutting and seedling stock, $2.00 per 100, $25.00 per 1000.

PRINCESS OF WALES VIOLETS, Rooted Runners, $2.00 per 100.

I. M. RAYNER, Greenport, N.Y.

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Rooted Cuttings

White: Baby Margaret, Touset, A. Byron, Timothy Eaton, J. Nonin, Ivory, Desjouis.

Pink: Amorita (very early), Glory of the Pacific, M. Dean, Mary Mann, Rosette, P. Ivory.

Yellow: Golden Glow (very early), M. Bonnaffon, Y. Eaton, Cremo, Robt. Halliday, Golden Eagle, Yellow Jones, Golden Baby.

Send for Price List.

WILLIAM SWAYNE, P. O. Box 215, KENNETT SQ., PA.

Please mention the Exchange when writing.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 16 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—As gardener or florist helper with 2½ years' experience. Address, O. G., care The Florists' Exchange.

SITUATION WANTED—By single man, A 1 grower of Roses and Carnations. Address "Florist," 360 W. 15th st., New York City.

SITUATION WANTED—By single man, grower of general greenhouse stock; private or commercial place. Address, O. A., care The Florists' Exchange.

SITUATION WANTED—As assistant or general greenhouse man in Rose or Carnation houses. Please state full particulars. Address, O. K., care The Florists' Exchange.

SITUATION WANTED—By a good all-around man; good grower of Carnations, Roses, 'Mums, Violets and all potted plants; able to take charge. Address, O. H., care The Florists' Exchange.

SITUATION WANTED—By Hollander, 22, of good education, in seedstore or greenhouse place with opportunities for advancement. Address, N. F., care The Florists' Exchange.

SITUATION WANTED—By experienced greenhouse man and gardener, 36, single, German, good willing worker, on private or commercial place. References; state wages and particulars. Address, G. K., care of A. Geiger, 198 Woodward ave., Brooklyn, N. Y.

SITUATION WANTED—By first-class gardener and florist, 36 years of age, married, on private place; able to take charge. Understands inside and outside work especially pruning trees, Roses, shrubbery and landscape work. The right party where a good and practical man is wanted. First-class references. Address, I. C., Gardener, Box 682, Sayville, L. I., N. Y.

SITUATION WANTED—By experienced gardener, American, 40 years old, married, no children; 20 years' experience on outside and under glass work. Would like to connect with some park, cemetery or landscape gardeners. Would consider private place where landscape and forestry work are the leading features. Reference as to character and ability. Address, O. E., care The Florists' Exchange.

SITUATION WANTED—By a strictly competent and sober American florist who would like to change present position. Advertiser is thoroughly experienced in the wholesale cut flower business and would not consider a place with less than 30,000 square feet of glass. My stock at present position is my reference which I would be pleased to have my future employer inspect. Address, M. E., care The Florists' Exchange.

SITUATION WANTED—By a practical working foreman and head gardener; competent to take full charge of any well kept private or city place where a gardener is needed and where he gets paid as much. Can produce the best results. Well educated, 29 years of age, married; strictly temperate, honest and reliable. Steady position expected. No Summer place! Please state wages and particulars in first letter. Gardener, 26 Scholes st., Brooklyn, N. Y.

SITUATION WANTED—As superintendent, landscape gardener or forester; German, age 31, single, 17 years' experience, graduate of Royal Horticulture College, Geisenheim, Rhein, Royal Botanic Gardens, Kew, and Jardin des Plantes, Paris. Well educated; expert landscape engineer, good draughtsman, propagator, grower of Shrubs, Trees, Conifers, Herbaceous Plants, Greenhouse Plants. Well versed in Forestry. Excellent credentials. Address, O. I., care The Florists' Exchange, Room 614, 60 Wabash ave., Chicago, Ill.

HELP WANTED

WANTED—A competent Rose and Carnation grower to assist in large establishment. Salary $70 per month. Address, with references, R. & C. O., care The Florists' Exchange.

Continued to next column

HELP WANTED

WANTED—A strictly sober man for general greenhouse work with good reference. S. H. Powell, 11 and 13 Crescent st., Brooklyn, N. Y.

WANTED—Two men for Rose sections; state experience with references; wages $14.00 per week. Thomas Young, Jr., Beechwood Heights Nurseries, Bound Brook, N. J.

WANTED—Competent assistant or manager for retail city store. Must understand designing. State age, experience and salary required. Answer quick. Central Florists, Kalamazoo, Michigan.

WANTED—Plant grower with experience in commercial place. English or Scotch preferred. Wages $15.00 per week. Send copy of references and particulars, in first letter. Address, O. D., care The Florists' Exchange.

WANTED ROSE GROWER

Only one who can produce the best stock, most Killarney grown. Must be of good character. Near New York. Address with references. Robt. C. Pye, Nyack, N. Y.

WANTED—A good grower of Carnations, 'Mums, bedding plants, Easter and general stock; a good steady position for the right man. Apply to Frank Manker, Gravesend and Greenwood aves., Brooklyn, N. Y.

WANTED—A strictly sober, honest man, single, with some experience in growing Chrysanthemums, bedding plants; state wages expected with board; steady position to right man. R. Plebany, Elm Road and Chestnut st., Newark, N. J.

WANTED—Foreman, must be good salesman and designer, for uptodate retail store in Eastern City. Permanent position if satisfactory. State references and full particulars in first letter. Address, O. F., care The Florists' Exchange.

HELP WANTED—To work under foreman; an all-around greenhouse man, not more than 35 years old; one who knows how to pot; must be strictly sober; wages $40.00 per month with board. Send reference in first letter. L. A. Whitmore, Buchtel, O.

WANTED—Gardener and wife, Protestants, no children, at country estate. Must understand horses and general outdoor gardening; wife to board three to five men; state age, reference and wages required with unfurnished house, light and fuel. Address, O. C., care The Florists' Exchange.

WANTED.

A young man of neat appearance for general greenhouse work, who is also capable of making up designs, etc. State wages expected and send references. Address, N. D., care The Florists' Exchange.

WANTED—Good grower, capable of handling men, to take full charge of Florist department and invest about $1000.00 as partner, or member, in one of the fastest growing florist and landscape businesses in wealthiest section of the country. Address, O. B., care The Florists' Exchange.

WANTED—Thoroughly experienced man to take charge of plant department. Must understand growing of pot plants for Christmas, Easter and Memorial Day. Apply with references. Married man preferred. Address, N. E., care The Florists' Exchange.

WANTED—First-class experienced nurseryman, one who is thoroughly posted on Trees, Shrubs, and Perennials, and understands propagating; must be capable of handling men and filling orders. We have a good position open for a reliable steady man. Furnish references. Address, The Livingston Seed Co., Columbus, Ohio.

WANTED ROSE AND CARNATION GROWER—An experienced man, for 15,000 ft. of glass, to take hold at once. $60.00 per month to begin and advanced as worth demonstrated. Only a man who can and has produced A 1 results in Roses and Carnations need apply. Send copies of references and all particulars with application. I. M. RAYNER, Box 148 Greenport, N. Y.

ASSISTANT GARDENER WANTED

WANTED—A young man capable of putting out bedding plants, caring for flower beds and making himself generally useful about flower and vegetable garden as assistant gardener on a private place; must have some experience in greenhouse work. Permanent position with $35.00 a month and board, to a good man, who is quick and neat about his work. No others need apply. Apply by letter, stating references, to H. B. McCollum, 100 Maryland ave., Wilmington, Del.

STOCK FOR SALE

ASTERS

ASTERS, strong, transplanted, ready for 4-in. pots. Queen of the Market, white, dark blue and crimson; Early Branching, white; Mikado, pink; Rochester; Vick's Early Upright, white and lavender, pink; Royal Purple, Vick's Violet King, 75c. per 100. E. B. Kretschmer & Son, 1639 Bayless ave., Louisville, Ky.

100,000 TRANSPLANTED ASTER PLANTS—Queen of the Market, all colors; Giant Comet, all colors; Vick's Late Branching, Vick's Early Branching, all colors; Vick's Upright, white and rose; Daybreak; Royal Purple; Crego's Pink; Ostrich Plume; any of the above at 40c. per 100, $3.50 per 1000; also Glen Mary and Dunlap Strawberry Plants, $3.00 per 1000. L. Mitchell, Jr., Pulaski, N. Y.

Continued to next column

STOCK FOR SALE

CARNATIONS

CARNATIONS—Dec. and Jan. Cuttings: Enchantress, Fairmaid, Queen, Harlowarden, $2.00 per 100. Cash with order. S. B. Hoyt, New Canaan, Conn.

CARNATION PLANTS, for out-door blooming, Marguerite and Chabaud's Giant Fancy, transplanted seedlings, branchy and strong, $3.00 per 100. Cash. M. J. Schaaf, Dansville, N. Y.

CHRYSANTHEMUMS

GLORIA—100, $2.50; Pres. Taft, Mrs. W. E. Kelley, 100, $3.00; Golden Glow, Pacific Supreme, White Cloud, 100, $1.25; R. C. prepaid; Gloria, 2½-in., $3.00. Chas. Frost, Kenilworth, N. J.

CHRYSANTHEMUMS, transplanted cuttings, Estelle, Pacific, Oct. Frost, Touset, Halliday, Whilldin, Bonnaffon, Maud Dean and other varieties, $1.25 per 100, $12.00 per 1000. Baylis & Sons, West Grove, Pa.

CHRYSANTHEMUMS.

Rooted cuttings, Yellow Bonnaffon, Dr. Enguehard, Polly Rose, Glory of the Pacific, $1.00 per 100; strong cuttings from cold frames. Park Floral Co., Trenton, N. J.

CRYSANTHEMUMS, extra strong rooted cuttings, guaranteed.

J. K. Shaw	Dr. Enguehard
Adella	White Bonnaffon
Maj. Bonnaffon	Jeanne Nonin

$1.50 per 100, $12.00 per 1000.
A. W. HIGGINS, WESTFIELD, MASS.

CHRYSANTHEMUMS

Clementine Touset, Plants, $3.00 per 100, $25.00 per 1000; Rooted Cuttings, $2.00 per 100, $17.50 per 1000. Ivory, Monrovia, October Frost, Pacific Supreme, A. J. Balfour, Tim Eaton, White Cloud, Jeanne Rosette, Maud Dean, Yanoma. Plants, $3.00 per 100, $25.00 per 1000; Rooted Cuttings, $2.50 per 100, $20.00 per 1000. Col. D. Appleton, Crocus, Major Bonnaffon, Mlle. Jeanne Nonin, Plants, $3.00 per 100, $25.00 per 1000; Rooted Cuttings, $2.00 per 100, $15.00 per 1000. Gloria, Pres. Roosevelt, Golden Eagle, Intensity, Nagoya, Plants, $4.00 per 100, $30.00 per 1000; Rooted Cuttings, $3.00 per 100, $25.00 per 1000. Indiana, Mrs. W. E. Kelley, Plants, $6.00 per 100; Rooted Cuttings, $4.00 per 100. Pres. Taft, Plants, $10.00 per 100; Rooted Cuttings, $8.00 per 100. Special fine lot of Anemones, Pompons and Singles from pots, list of varieties on application, our selection, $3.00 per 100, $25.00 per 1000. Elmer D. Smith & Co., Adrian, Mich.

GERANIUMS

3500 GERANIUMS—Nutt, Double Grant, Double Light Pink, Double White, 3½-in. pots in bud and bloom, $5.00 per 100; in 4-in. pots, very bushy, 8c. Mme. Salleroi, 3½-in. pots, as large as ordinary 3-in. stock, 3c. Arthur Cornelis, Somerville, N. J.

S. A. NUTT Geraniums, 4-in. pots, $8.00 per 100.
Mrs. E. G. Hill, 4-in. pots, $8.00 per 100.
John Doyle, 4-in. pots, $8.00 per 100.
Salvia, 2½-in. pots, $3.50 per 100.
Verbenas, 2½-in. pots, $3.50 per 100.
10 per cent. discount for all orders before May 15. All above plants are in bud or bloom; fine and healthy stock. A. Laub & Son, Hughsonville, N. Y.

ROSES

ROSES, STRONG, CLEAN STOCK

Own root, all 3½-in. pots: Bride, Bridesmaid, Chatenay, Golden Gate, Pink Killarney and Kaiserin, $6.00 per 100; Grafted Pink Killarney, $12.00 per 100. P. R. Quinlan, Syracuse, N. Y.

ROSES

From 2¼ in. pots, fine stock. The following varieties at $3.00 per hundred, $25.00 per thousand. 25 plants of a kind at the hundred rate, 250 at the thousand rate.

Agrippina	Bride
Bridesmaid	Bon Silene
Clothilde Soupert	Coquette de Lyon
Catherine Mermet	Crimson Rambler
Golden Gate	Mrs. Ben R. Cant
Mme. Abel Chatenay	Mme. Joseph Schwartz
Mlle. F. Kruger	Safrano
White Bougere	

The following varieties at $3.00 per hundred, $27.50 per thousand.

Antoine Revoire	Climbing Kaiserin
Cl. Meteor	Cl. Malmaison
Etoile de Lyon	Gruss an Teplitz
Helen Gould	Hermosa
La France	Maman Cochet
Mme. de Watteville	Mme. Welche
Pink Cochet	Papa Gontier
Souv. de la Malmaison	White Cochet

The following at prices named:

	Per 100
Blumenschmidt	$3.00
Climbing Killarney	4.00
Cl. Perle des Jardins	3.00
Dinsmore	3.00
Helen Gould	3.00
Kaiserin Augusta Victoria	3.00
Killarney	3.50
Margaret Dickson	3.60
Mrs. John Laing	3.60
Mme. Masson	3.00
Mme. Chas. Wood	3.00
Marechal Neil	3.00
Perle des Jardins	3.00
Rhea Reid	3.60
Souv. du Pres. Carnot	3.00
Wellesley	3.00
Wm. R. Smith	3.00

The Good & Reese Co., Springfield, Ohio. Largest Rose Growers in the World.

Continued to next column

STOCK FOR SALE

NURSERY STOCK

CLEMATIS PANICULATA

Splendid stock for lining out in field, $5.00 per 1000. 10 samples by mail 10c.
The Elm City Nursery Co., New Haven, Connecticut.

RHODODENDRON catawbiense, the best of all, 12 to 20 buds, $75.00 per 100; 25 to 35 buds, $12.00 per dozen; larger specimens, $16.00 per dozen. Wagner Park Conservatories, Sidney, Ohio.

VEGETABLE PLANTS

PRIZETAKER ONION SEEDLINGS, for transplanting, strong and vigorous, $1.00 per 1000. Stevia $1.00 per 100. Henry Holzapfel, Jr., Hagerstown, Md.

MILLIONS of early and late vegetable plants for sale. All kinds and varieties, transplanted or not; write for prices. See our display advertisement in this issue of pot plants. Alonzo J. Bryan, Washington, N. J.

NOW READY TO SHIP—A very large stock of Early Cabbage, Tomato, Beet and Sweet Potato Plants, at $1.25 per 1000. Extra plants to help pay express charges. S. J. McMichael, P. O. Box 473, 142 Larkins st., Findlay, O.

MISCELLANEOUS

LEMON VERBENA, Heliotrope, Stevia and Feverfew, R. C., 75c. per 100, prepaid. Chas. Frost, Kenilworth, N. J.

STOCK FOR SALE—6000 Salvia Bonfire, 2½-in. pots, $2.50 per 100. Joseph Wood, Spring Valley, N. Y.

CHOICE Pansy plants, Fall transplanted, $1.00 per 100, $8.00 per 1000. Cash. W. C. Myers & Sons, Scottdale, Pa.

STOCK FOR SALE—Bouvardias, white and pink, 2000 strong plants, 2½ in. pots, $4.00 per 100. Order early. Butz Bros., New Castle, Pa.

STOCK FOR SALE—40,000 Verbena plants in bud and bloom, $20.00 per 1000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

DAHLIA ROOTS, undivided field-grown clumps, Kreimhilde, Nymphia, Lyndhurst and Catherine Duer. Send for special price list. Wood & Healey, Hammonton, N. J.

HARDY and TENDER NYMPHÆAS, all classes. Choice assortment of aquatic plants, Eulalias, etc. Price on application. Edw. S. Schmid, 712 12th st., N. W., Washington, D. C.

SMILAX

for June or July delivery, $12.50 per thousand; fine plants. Geraniums and Salvias all sold. P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

SMILAX—Strong, stocky seedlings, from flats; 50c. per 100, $5.00 per 1000. Fred Holtke, cor 5th and Broad sts., Carlstadt, N. J.

PALMS

Pandanus Veitchii, 4-in. pots, fine stock, well colored, $5.00 per doz. English Ivy, 2-in. pots, $2.00 per hundred. Henry Engler, 4651 Lancaster ave., Philadelphia, Pa.

STOCK FOR SALE—Extra fine English Ivy out of 4-in. pots, $12.00 to $15.00 per 100. Variegated Vincas, 2½-in., strong, $3.50 per 100. Herman Bowman, 92 R. R. ave., White Plains, N. Y.

ASPARAGUS SPRENGERI

2¼ in. pots, fine stock, $2.25 per hundred, $20.00 per thousand.
The Good & Reese Co., Springfield, Ohio. Largest Rose Growers in the World.

VARIEGATED FUNKIA CLUMPS, $40.00 per 1000; 3 years' Hardy White Candytuft, $60.00 per 1000; potted up make fine plants for Decoration Day. Cash with order. A. F. Johnson, Springfield, L. I.

STOCK FOR SALE—Double Lobelia, 2-in., $2.00 per 100. Rooted Cuttings, Double Lobelia, Salvia, Zurich, German Ivy, Ageratums, Gurney and Cuphea, 75c. per 100. Cash with order. F. A. Ezold, Haddam, Conn.

STOCK FOR SALE—30,000 Vinca Minor (Myrtle blue fl.) 1 year old strong field-grown clumps, $7.00 per 100. 4000 Dracæna Indivisa, extra fine, 4-in., 10c.; 5-in., 20c.; 6-in., 35c.; 7-in., 45c.; 8-in., 60c.; 9-in., $1.00 each. Cash please.
Frank Boehme, Watchung ave., Bloomfield, N. J.

BEGONIA Lorraine and Agatha—2½-in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500.
Box Trees, all sizes. Ask for special list.
Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. Y.

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in Plants, Bulbs or Nursery Stock.

WANTED—Latania Borbonica, 3½ to 5 feet tall; also Hydrangea Otaksa, in half barrels or butter tubs. N. A. Carlin, Elbernn, N. J.

FOR SALE OR RENT

FOR SALE—4 greenhouses 10,000 feet of glass; all stocked, over ½ acre of ground, 6-room cottage. Address, Mrs. Geo. A. Relyea, Orchard place, Poughkeepsie, N. Y.

FOR RENT—Farm, suitable to florist, 3½ acres, 6-room house, within 1200 feet of Long Island Railroad station, rent $20.00 per month, 3 to 5 years' lease, immediate possession. Box 36, Douglaston, Long Island.

FOR SALE—Greenhouse property of 10,000 ft. of glass. A 1 condition. Steam heating, electric light; the same is stocked with Roses, Carnations and bedding plants. The reason for selling: I have two establishments and must dispose of one. Inquire of W. D. Snell, Herkimer, N. Y.

FOR SALE—In East Williamsburg, L. I., 2-family dwelling with stable and 4 greenhouses with 6000 sq. ft. of glass; 6 lots, 25x100 ft., and piece of land to hire in rear of property. Place in good condition; convenient to all cars and trains. Estate of Andrew Orell deceased. Inquire of Jacob Amann, Florist, 1702 Metropolitan ave., Middle Village, L. I., at Lutheran Cemetery.

FOR SALE

A modern uptodate place in first-class condition, situated in Elmhurst; about 20,000 square feet of glass, 3 acres of land, modern cottage of 8 rooms, bath with all improvements, barn, 2 horses, 1 cow, wagons, etc. This place is fully stocked in first-class running order. Come and see it. Cause for selling; death in family.

Chas. Lustgarten,
Trotting Course Lane, Elmhurst, N. Y.

For Sale—Seed House

One of the leading catalogue houses of the Middle West, also having a large local trade. Located in the heart of the great agricultural and gardening section. 35,000 catalogues issued annually. Sales the past four months over $18,000. Credit and references A 1. No incumbrances. Over $8000 spent in advertising the past seven years. Also have a good Poultry and Bee supply trade. Write for full particulars and catalogue. Address,

J. L. T., care Room 614,
No. 60 Wabash Ave., CHICAGO, ILL.

Please mention the Exchange when writing.

Opportunity of a Lifetime

FOR SALE — A well-established, money-making, up-to-date, wholesale commission company, in Denver, Colo.; dealing in cut flowers and florist supplies; no competition; only small amount of cash required. Address communications to

N. A. BENSON
1360 So. Sherman St., DENVER, COLO.

Please mention the Exchange when writing.

SUNDRIES FOR SALE

FOR SALE—3 greenhouses, 5000 ft. of glass, boilers and pipes in A 1 condition, will be sold cheap; must be removed July, 1. Wm. Sturzebecker, Lansdale, Pa.

FOR SALE—Best brands greenhouse glass, all sizes at special low prices. Small or large lots. C. S. Weber & Co., 10 Desbrosses st., New York City.

FOR SALE—At a bargain, a steel galvanized-iron Wind-Mill Tower. 76 ft. high; tank capacity, 6,000 gallons. Also a 2½ hp. Mertz & Weisse kerosene engine. Everything in perfect condition. Address, Lucas V. Beau, Larchmont, N. Y.

FOR SALE CHEAP.

Complete modern greenhouse, 22x80, with propagating house, 6x80, attached to same, 16x24 glass; Hitchings all iron construction, must be removed at once; also 10,000 feet 4-in. Hitchings pipe, 2 No. 17 Hitchings boilers, 1000 feet Vent. Apparatus, 300 boxes 10x14 double thick glass. Suessermann, 229 Livingston st., Newark, N. J.

Florists' Wagons For Sale

One closed wagon $125.00
One open wagon $75.00

Both in the very best of condition. Write for particulars to

S. S. PENNOCK-MEEHAN CO.,
1608 Ludlow St., Philadelphia, Pa.

Please mention the Exchange when writing.

We Pay The Freight on cut-flower and design boxes. See our price list on page 873, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.
Box 200 - - - Castorland, N.Y.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED TO BUY—Greenhouse and glass, also a hot air pump outfit, by a florist who wishes to enlarge his place. State price and full particulars in first letter. Address, J. R., General Delivery, Bridgeport, Conn.

FOR SALE

AUTOMOBILE Model F Cadillac, baby touring, guaranteed, with almost new quick-detachable tires, finest thing for business or pleasure, price $200.00.

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock, ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 160 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1¾ in. x 3 x 6 ft., 86c., glazed complete. $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.66. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

CARNATION SUPPORTS About 10,000 at $4.00 per 1000.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

English Ivy

About 200 plants from 4-inch pots. Fine stock $12.00 per 100. Cash with order

FRED BROTHERS
HEMPSTEAD (L. I.), N. Y.

Please mention the Exchange when writing.

Special Offer of Bedding Plants That A Large Cemetery Cannot Use

Changes leaving on my hands a large quantity of **Bedding Plants**, I offer them at the following extremely low prices for immediate sale:

Dracaena Indivisa, strong, 5 inch pots, $20.00 per 100.

Dracaena Indivisa, strong, 4 inch pots, $12.50 per 100.

Nice Plants of Periwinkle, from 2 inch pots, $2.00 per 100, $18.00 per 1000.

Echeveria secunda glauca, $2.00, $3.00 and $4.00 per 100.

Also, **Coleus, Alternantheras, Petunias, Verbenas,** and **Phlox,** from 2½ inch pots, $2.00 per 100, $18.00 per 1000.

Do not forget those good **S. A. Nutt Geraniums,** out of 4 inch pots, $6.00 per 100.

JOHN ALBRECHT PENCOYD, MONTGOMERY CO., PA.

Please mention the Exchange when writing.

Geraniums

	Per 100
8 varieties, 2½-inch pots	$3.00
8 varieties, my selection, 3-in. pots.	4.00
ASPARAGUS Sprengeri, seedlings .. $7.00 per 1000..	1.00
DOUBLE PETUNIAS, Seedlings ...	2.50

Coleus

	Per 100
10 varieties, 2¼-in. pots, April 1..	$2.00
10 varieties CANNAS, 3½-in. pots..	4.00
ASPARAGUS Sprengeri, 2¼-in. pots	2.00
ALTERNANTHERA, red and yellow April 1st	2.00

Cash. No C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

GERANIUMS

S. A. Nutt, from 4-inch pots, in bud and bloom, at $6.00 per 100. Satisfaction guaranteed.

BRANT BROS., Inc., Utica, N. Y.

PALMS!

KENTIAS, in 2½ inch pots, $8.00 per 100, $75.00 per 1000.

JACKSON & PERKINS CO., Newark, (Near Rochester) New York

Seasonable Stock

	Per 100
ENGLISH IVY, 4-in.	$12.50
DRACAENA Indivisa, 4-in.	10.00
DRACAENA Indivisa, 5 to 6-in.	25.00
YELLOW MARGUERITES, 4-in.	6.00
WHITE MARGUERITES, 5-in.	15.00
MME. SALLEROI GERANIUM, 3-in..	4.00
ICE PLANT, 3-in.	4.00
MIMULUS, 2½-in.	3.00
SWEET ALYSSUM, 3-in.	4.00
DUSTY MILLER, 2½-in.	3.00
SMILAX, 2-in. ....per 1000, $17.50..	2.00
CIGAR PLANT, 3-in.	3.00
CANNAS, Standard var., 4½-in.	7.00

Cash

JOS. J. SOKOL, FLORIST NEW HAVEN, CONN.

Please mention the Exchange when writing.

Commercial Violet Culture

Price $1.50

The Florists' Exchange, 2 to 8 Duane St., N. Y

Newport (R. I.) Horticultural Society

A regular meeting of the above named Society was held on Tuesday evening, May 8, President James Robertson in the chair. The executive committee reported progress on the premium list for the Fall show. So far, the list shows quite a reduction in the amount offered for premiums, and many of the usual classes are cut out entirely, the general sentiment being that in the past the Society has been too generous, and that a spirit of rivalry, without considering alone the amount of money offered, should be engendered. The president named two committees on awards for the year, composed each of three members, as follows: John T. Allan, John Mahan and Wm. McKay; Alexander MacLellan, Bruce Butterton and John A. Forbes. As the Society has among its friends, not in membership, some who annually donate money or kind toward the premium list, it was voted that all such be elected to honorary membership, and thirteen individuals, ladies and gentlemen, were so elected. It is proposed that the revision of the constitution and by-laws be taken up at an early date.

Some of the gardeners are a little disturbed over a garbled story regarding them and their help which appeared in an outoftown sensational Sunday newspaper; but the statements made are so far from facts that they are not considered worth taking notice of.

ALEXANDER MacLELLAN.

ORCHIDS

Cattleya Trianae

Owing to lack of room and large shipments arriving, we offer this popular Cattleya for immediate delivery, at **$40.00 per case until sold.** The plants are A1 in every way.

We also have received **Cattleyas Gaskelliana, Schroederæ** and **Labiata, Oncidium varicosum Rogersii, Oncidium crispum, Miltonias, Lælias, etc.** All other Commercial Varieties to follow in quick succession.

LAGER & HURRELL
SUMMIT, N. J.

Please mention the Exchange when writing.

Bedding Stock Sale

All varieties and sizes. Let me know your wants, and get my low cash prices.

F. C. SCHLEICHERT
North Bridgeport, Conn.

Please mention the Exchange when writing.

Myrtle for Cemetery and Park Purposes

20,000 field-grown, 2-years old, 100 to 150 fill a barrel. Try one order, per 100 $6.50, per 1000 $60.00.

PRIVET All sizes up to 12 feet.

Thousands of Hardy Herbaceous Plants

Such as **Foxglove, Coreopsis, Iris, etc.**

F. A. BOLLES, Coney Island Ave & Ave. L BROOKLYN, N. Y.

Please mention the Exchange when writing.

Samples will Prove Value
AND
A Postal Card Brings the Samples of Ribbons from

The Pine Tree Silk Mills Company
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806-808-810 ARCH STREET

Why should you be satisfied with second rate Ribbons, when the best Ribbons made cost no more than second rate qualities?

Pine Tree Ribbons are the best Ribbons, for there is more Silk Value in them for the money than in ordinary qualities. Most Ribbons must have a profit allowance for the manufacturer and the jobber.

We are manufacturers and sell direct, and give the best Ribbon Values on the market for the money.

Let us send you samples of TAFFETAS, SATIN TAFFETAS and NEW CHIFFONS?

THE PINE TREE SILK MILLS L.D.S.&Co.

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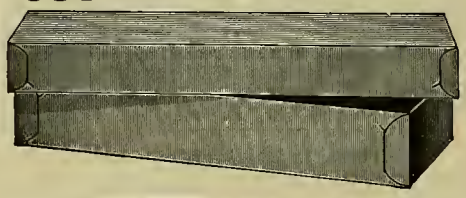
CUT FLOWER AND DESIGN BOXES



All Sizes, Lowest Prices
WRITE
C. C. Pollworth Co.
MILWAUKEE

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK
WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

New Crop Ferns Now Ready Only $1.75 per 1000

Let us have your orders now for Memorial Day, and you will be sure of the best to be had and at rock bottom prices. **GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS,** 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Telegraph office: New Salem, Mass. L. D. Phone Connection

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

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REED & KELLER 122 W. 25th Street NEW YORK
We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work

New Crop Ferns
FANCY and DAGGER
Now ready for shipment.
Price, $1.25 per 1000
CALDWELL THE WOODSMAN DECORATING CO.
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KRICK'S Florist Novelties
Manufacturer and Patentee of
The only genuine IMMORTELLE LETTER on the market
For sale by all Supply Houses.
CHAS. AUG. KRICK
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Krick's Letters THE BEST.
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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

50,000 Roses
75,000 Carnations
35,000 Sprengeri
35,000 Stocks

NEW CROP DAGGER and FANCY FERNS, $2.00 per thousand.

We Never Disappoint. Satisfaction Guaranteed.

BOSTON, MASS.
Henry M. Robinson & Co.
Wholesale Commission Florists
HARDY CUT EVERGREENS and FLORISTS' SUPPLIES
15 Province St. and 9 Chapman Place
TELPHONES: 2617-2618 Main, 25290 Fort Hill
BOUQUET GREEN, $8.00 per 100 lbs.
Southern Wild Smilax, extra fine quality; Brilliant Bronze and Green Galax; Cut Boxwood Sprays; Leucothoe Sprays; Laurel Wreaths, Laurel Festooning and Branch Laurel; Green and Sphagnum Moss.

Orders placed with us mean that you can depend on them.

Please mention the Exchange when writing.

Rose Dorothy Perkins, Basket Form
Grown by Wm. C. Bowditch, Grove Hall, Boston, Mass.

ATLANTA, GA.—The Atlanta Floral Co. had a most effective window display May 2 in honor of the Music Festival and of Madame Fremstad in particular. The center of the window was devoted to a picture of the great Swedish singer, which was draped with both the Swedish and American flags, and in the background was draped one huge Swedish flag, the stripes of blue and orange making an effective backing for the photograph and flowers. There was also a large picture of the singer's birthplace, Stockholm, Sweden. The company received a highly appreciative note from Mr. Sutphen, Madame Fremstad's husband, thanking them for flowers sent to her at the Piedmont Hotel in the morning, in behalf of the company and of the Swedish residents of Atlanta, and Madame Fremstad also paid a visit to the store in the evening to view the decorations in her honor.

This New Book Free

It contains several interior views of recently equipped Flower Shops that are of vital interest to every progressive Retail Florist. It also shows reproductions of letters from successful Florists who have used

McCray Refrigerators

for many years. The distinctive thing about these Refrigerators is that the ice capacity is scientifically determined so that just the right temperature is maintained. The McCray System saves money because it saves ice and saves flowers, and *besides this* brings in new trade on account of its attractive appearance.

Write while you think of it for this new book—Ask for catalog No. 72.

McCray Refrigerator Co., 167 Lake Street, Kendallville, Ind.

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CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the Exchange when writing.

E. A. BEAVEN
EVERGREEN, ALA.
LOG MOSSES
Natural and perpetuated. Orders booked now for future delivery.
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WE MANUFACTURE
ICE BOXES The Latest Improved
Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.
Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK
'Phone 4254 Madison Square
Please mention the Exchange when writing.

MICHIGAN CUTFLOWER EXCHANGE, Inc.
Wholesale Commission Florists
Dealers In Fancy Ferns
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SOUTHERN WILD SMILAX FERNS FULLD GUARANTEEY
LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.
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WIRED TOOTHPICKS
10,000, $1.75; 50,000, $7.50
Manufactured by
W. J. COWEE, Berlin, N. Y.
Samples free. For sale by dealers
Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Florists' Club of Washington, D. C.

The Club held its regular monthly meeting at Gude's store, 1214 F st., on the evening of May 10, as the banquet of last Tuesday interfered with the regular routine of meeting which is on the first Tuesday of each month.

Edw. G. Shultz, proprietor of a local agricultural and seed store, W. A. Ward of Small & Sons, J. G. Schattmaier with Z. D. Blackistone and Jos. J. Gondy, were proposed for membership; a committee was appointed in accordance with the new constitution and by-laws, to look into their eligibility.

The question of delinquents came before the Club and the secretary was instructed to write them, requesting an early settlement.

The banquet was reviewed in its various features. There was a general expression that it was the finest yet given by our Club.

Pres. Robertson, by request of the members present, allowed an intermission of half an hour to discuss unofficially a few personal matters. Prior to adjournment it was moved that a committee of three be appointed by the President to look over and endeavor to make certain corrections in the by-laws of the Club.

The committee appointed with full power to act in connection with the next annual Fall flower show of the Club is as follows: Wm. F. Gude, Chairman; Geo. H. Cooke, E. C. Mayberry and Jas. L. Carbery. Place and date to be made known later.

JAS. L. CARBERY.

Helenium Grandicephalum, July Sun

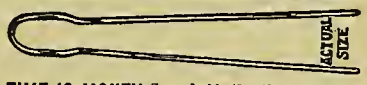
As its name implies, this seedling of Helenium grandicephalum striatum is an early bloomer among the Helenium varieties, appearing in July and continuing to bloom until the middle of August. Its flowers are larger and stouter than those of the parent plant; the color of the petals is a magnificent dark golden yellow with a slightly brownish shading at the tips, while the disc is a blackish brown. The plant grows only to a height of a little over three feet and its habit is erect and quite compact. The flowers have long stems and, when cut, they keep for a remarkably long time, making it especially suited for decorative purposes. But July Sun is also very showy in gardens and parks, planted either singly or grouped in masses as a foreground to larger shrubs, or in beds. It will be introduced this Summer by its discoverer, Heinrich Junge, nurseryman at Hamelo, Germany.—*Moeller's.*

CULTURAL DIRECTIONS

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

Helenium grandicephalum July Sun
The four blooms to the left represent H. g. July Sun and the picture was taken July, 1909. The blooms to the right show H. g. striatum, of which July Sun is a seedling

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire
IGOE BROTHERS
Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes
63-71 Metropolitan Ave., BROOKLYN, N. Y.
Please mention the Exchange when writing.



TIME IS MONEY Save half the time greening your designs by using Florist Greening Pins. 20c. per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c. per lb. Write for prices on larger quantities.
WM. J. SCHLATTER & SON, 422 Main Street SPRINGFIELD, MASS
Please mention the Exchange when writing.

"FLORISTS' FAVORITE" CUT FLOWER BOXES
Very Neat Manilla Boxes—White Inside
All Boxes Full Telescope
The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.25	28x8x4	$4.50
18x6x3	2.25		
24x5x3½	3.00	30x5x3½	3.75
21x7x3½	3.25	36x6x5	6.50

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.
DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.50
18x18x8	9.00	36x10x6	10.00
20x20x8	10.00	30x12x7	8.50
24x24x8	12.00	28x12x4	6.50
24x18x8, Pillow Box			12.00
20x15x8, Pillow Box			10.00

10 per cent. discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.
Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

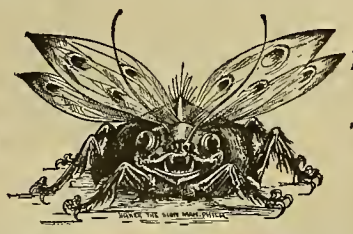
Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.
Box 205 CASTORLAND, N. Y.
New York Office, 20 East 42nd Street
Please mention the Exchange when writing.

GROW MUSHROOMS
If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.
THE FLORISTS' EXCHANGE
2 to 8 DUANE ST., NEW YORK

LIKE THE BEE

We are Never Idle



More Active Than Ever

Ten large greenhouses and an equal amount of cold frames filled with choice **BEDDING PLANTS** of all descriptions. Now ready for immediate shipment.

LOOK! We are the people who can offer you **BARGAINS** in **BEDDING PLANTS.**

CANNAS, J. D. Eisele, 4-in., $8.00 per 100; **Alphonse Bouvier, Bismarck, Richard Wallace, Kate Gray, King Humbert,** 4-in. pots, $7.00 per 100.

ENGLISH IVY, 4 in., $1.00.

BEGONIA ERFORDI, new improved variety, 4 in. pots, $8.00 per 100.

BEGONIA FLAMBEAU, 6 in. pots, 18 to 24 in. high, for boxes and vases, 25c.

BEGONIA VERNON, dark red, and light red, our so well known improved strain from Zurich, Switzerland. Introduced by us 4 years ago. Has given so much satisfaction all over America. Always in bloom, stands the sun and dry weather well. Three to six seedlings planted into one pot (now very bushy), 4 in. pots, $8.00 per 100; large 3-in., $6.00 per 100. A bed of this novelty Begonia once seen growing on a lawn will speak for itself.

SCARLET SAGE, in bloom, Clara Bedman or Bonfire, 4-in., $7.00 per 100.

AGERATUM, dwarf, best blue, 3-in., 4c.

LEMON VERBENAS, 4 in., $7.00 per 100.

HELIOTROPE, blue, 4 in. pots, $7.00 per 100.

ENGLISH IVY, 3-in. pots, 18 to 25 in. high, $5.00 per 100.

GERMAN IVY, 2½-in., 3c.

VINCA Variegata (Periwinkle), for vases or window boxes, 4 in. pots, good stock, 10c. to 12c.

FUCHSIAS, assorted colors, 4 in., $7.00 per 100.

GERANIUMS, best double white, **S. A. Nutt** (crimson) and pink, 4 in., $7.00 per 100. **Beauty of Poitevine,** 4 in., $7.00 per 100.

PETUNIAS, double, assorted colors, 4 in., $7.00 per 100.

LANTANAS, assorted colors, 4 in., $7.00 per 100.

RICINUS or **Castor Oil Plants,** 4-in., 15c.

ECHEVERIA GLAUCA, good strong plants, $3.00, $4.00, $5.00 per 100.

ASTERS, German, Queen Victoria, 4 separate colors, 2 in. pots, $3.00 per 100.

CYCAS Revoluta, or **Sago Palms,** clumps from 3 to 10 lbs., 10c. a lb. 25 plants at 100 rate.

ZINNIA elegans, 2½ in., $3.00 per 100.

Small plants, 2½ to 3-in., $3.00 per 100:

VERBENAS, assorted colors, **PHLOX DRUMMONDI,** dwarf or grandiflora, French dwarf **TAGETES** (the Queen of Marigolds), **COSMOS,** assorted; **COLEUS, Verschaffeltii, Queen Victoria** and **Golden Bedder** (fancy colors, $4.00 per 100; **NASTURTIUMS** (dwarf); **SWEET ALYSSUM, Little Gem** or **Carpet of Snow; TRADESCANTIA, THUNBERGIA** (Black-Eyed Susan); **MAURANDIA Barclayana; IBERIS** or **CANDY-TUFT, CORN FLOWERS; SALPIGLOSSIS; LOBELIA, Crystal Palace** (blue), dwarf or trailing; **DUSTY MILLER** or **CENTAUREA Gymnocarpa.**

PETUNIAS, Col. Giant, 3 in., best strain, $5.00 per 100.

In **NEPHROLEPIS** or **FERNS** we have the following: **Scottii, Whitmani** and **Boston,** medium size, 4 in., 20c. **Scholzeli,** medium, 4 in., 25c.

PRIMULA Obconica, 5-in., in bloom, $3.00 per doz.

DRACAENA Indivisa, 5 to 5½-in., 25c.

KENTIA Forsteriana and **Belmoreana,** 25-30-48 in., $1.00, $1.25, $1.50, $1.75 to $2.00.

CRIMSON RAMBLER ROSES, 7-8 in. pots, 75c., $1.00, $1.25 each. **Dorothy Perkins,** one of the newest best pinks, pot grown, 2 to 3 years old, 35c., 40c., 50c.

FICUS ELASTICA, 4 in. pots, 25c.

Don't forget we are the wholesale growers and shippers of the genuine **MOON VINE,** the **Ipomoea Noctiflora,** for which we have had, for the last 25 years, a world-wide reputation. A rapid grower; grows in one season 50 ft. and over with thousands of pure white, waxy, fragrant flowers as big as a saucer. We ship 25,000 every season to every state in the Union, Canada and Mexico. 2½-in. pots, $5.00 per 100; 4-in., staked up, $12.00 per 100.

ARAUCARIA excelsa. First consignment just arrived from Antwerp, in their original packing, 2-3-4 year old, 3-4-5-6 tiers, 35c., 50c., 60c., 75c., $1.00 to $1.50.

ARAUCARIA compacta, Robusta and **Glauca,** $1.00, $1.25 to $1.50.

All plants must travel at purchasers' risk.

Cash with order, please.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario St., PHILADELPHIA, PA.

CHRYSANTHEMUM STOCK

2¼-in. pots.

Our stock plants have been grown in solid benches in one of our best and lightest houses since December 1 last. We have largely increased our stock and can fill all orders promptly. We will quote special prices in 2500 lots.

PINK	Per 100
Glory of Pacific	$2.50
A. J. Balfour	2.50
Maud Dean	2.50
Pink Ivory	2.50
Pacific Supreme	2.00
YELLOW	
Col. Appleton	2.50
Gold Mine	3.00
Monrovia	3.00
Major Bonnaffon	2.50
October Sunshine	2.50
Yellow Eaton	3.00
Golden Glow	2.50

WHITE	Per 100
Alice Byron	$2.50
Jeanne Nonin	2.50
Ivory	2.25
Mrs. H. Robinson	2.50
Beatrice May	3.00
Polly Rose	2.50
Timothy Eaton	2.60
White Dean	3.00
Yanoma	3.00
CRIMSON	
Black Hawk	2.60
John Shrimpton	2.50

NEWER VARIETIES, $5.00 per 100.

Lynnwood Hall, Mrs. Kahn, Golden Glow, Money Maker, Yellow Miller, President Taft

SINGLES AND POMPONS

Rob Roy, Anna Spangle, Irene Cragg, Quincia, $3.00 per 100.

EDWARD J. TAYLOR, Green's Farms, Conn.

CHRYSANTHEMUMS

Yellow: **Golden Glow, Halliday.** White: **Polly Rose, October Frost, B. May, N. Pockett, Queen, J. Nonin, Ivory, McArthur.** Pink: **Pacific, Balfour, Enguehard, Enchantress** (not Gloria). Rooted Cuttings, of all above, $1.00 per 100, $9.00 per 1000. **Golden Glow,** from pots, only $2.00 per 100.

Cash.

E. FRYER, Johnstown, Pa.

Please mention the Exchange when writing.

Snow-White Sport of Helen Frick

CHRYSANTHEMUM

From 2¼-inch pots	$10 00	per 100
Rooted Cuttings	8.00	" "
Unrooted Cuttings	5.00	" "

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

GERANIUMS

Nutt, Buchner and others, **2-in.** pots, $2.00 per 100; 3-in. pots, $3.00 per 100; 4-in. pots, $6.00 per 100.

FUCHSIAS, SALVIAS, HELIOTROPES, DOUBLE GIANT, SWEET ALYSSUM, DOUBLE WHITE FEVERFEW, AGERATUM GURNEY, VINCA VARIEGATED, R. C., $1.00 per 100; 2-in. pots, $2.00 per 100; 3-in. pots, $3.00 per 100.

ASTERS, 2-in. pots, $1.00 per 100.

PHLOX, MARGUERITE CARNATIONS, SINGLE STAR PETUNIAS, VERBENAS, AGERATUM, Gurney, 2-in. pots, $1.50 per 100.

COLEUS

Crimson Verschaffeltii, Golden Bedder and 15 others, R. C., 60c. per 100; $5.00 per 1000.

PANSY PLANTS

50c. and $1.00 per 100; $5.00 and $8.00 per 1000.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

Hurrah for the Bedding Plant Season!!!

GERANIUMS

5000 **Double Grant,** 3-in. pots, $3.00 per 100; 3½-in., $5.00 per 100.
5000 **Poitevine,** 4-in., $6.00 per 100.
4000 **Poitevine,** 3-in., $4.00 per 100.
5000 **S. A. Nutt,** 3½-in., $5.00 per 100.
3000 **S. A. Nutt,** 3-in., $3.00 per 100.
5000 **VINCA Variegata,** 4-in., $6.00 per 100, extra fine.
5000 **CANNAS,** 3½ and 4-in., $6.00 per 100, in the following varieties: **Queen Charlotte, Alph. Bouvier, Mme. Crozy.**
2000 **HELIOTROPE,** 3½-in., $6.00 per 100.
5000 **GERMAN IVY,** 2½-in., $3.00 per 100.
3000 **SALVIAS,** $3.00 per 100.
DREER'S PETUNIAS, 3-in., $3.00 per 100.
5000 **LEMON VERBENAS,** $6.00 per 100.
5000 **VERBENAS,** 3-in., $3.00 per 100.
DUSTY MILLER, 3-in., $5.00 per 100.
GERANIUMS, Mme. Sallerol, 2½-in., $2.00 per 100.
COLEUS, various varieties, $2.50 per 100.
AGERATUM, 2½-in., $2.50 per 100.
IMPATIENS, Sultana, $5.00 per 100.
ROSE GERANIUMS, 3½-in., $5.00 per 100.
ROSE GERANIUMS, 3-in., $4.00 per 100.

Cash.

ROBERT A. ELLIOTT, Morristown, N.J.

Please mention the Exchange when writing.

GERANIUMS

Fine, stocky plants, in bud and bloom, 4-in., **Nutt, Poitevine, Ricard, La Favorite, Trego, Perkins, Jaulin,** etc., $6.00 per 100.

Dark blue **HELIOTROPE** and **Dwarf blue LOBELIAS,** large plants, from flats, 75c. per 100, $6.00 per 1000.

HILL TOP GREENHOUSES, 84 Churchill Avenue **UTICA, N.Y.**

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings

S. A. Nutt, Grant, $3.00 per 1000. Ricard, Poitevine, Doyle, $10.00 per 1000. Also 3-in. potted plants of the following: Nutt, Doyle, Poitevine, Buchner, Grant, Jaulin, $4.00 per 100, $36.00 per 1000.

FRED. W. RITCHY

Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS

Nice stocky 3-in. stock of the following varieties: **Nutt, Ricard, Poitevine, Castellane, Jaulin, Grant** and **Doyle,** $4.00 per 100, $36.00 per 1000.

F. SCHELL & CO., Florists **LANCASTER PA.**

Please mention the Exchange when writing.

GERANIUMS

6000 **Ricard,** 2-in., fine stock, ready for shipment, $2.00 per 100, $18.00 per 1000.

Rooted Cuttings: **S. A. Nutt** and **Buchner,** $10.00 per 1000.

Cash with order.

PETER BROWN, 124 RUBY STREET **Lancaster, Pa.**

Please mention the Exchange when writing.

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and **Golden Bedder,** 2¼-in. pots, $2.00 per 100; **Rooted Cuttings** of the same, $6.00 per 1000; **Rooted Cuttings** in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.

Cash with order.

J. E. FELTHOUSEN

154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

Geraniums

Ready to ship.

	Per 100
S. A. Nutt, strong, 4-in. plants in bud and bloom	$6.00

Rooted Cuttings.

	100	1000
S. A. Nutt and **La Favorite**	$1.00	$10.00
Castellane	1.00	10.00
Ricard	1.20	11.00

Cash with order.

B. F. BARR & CO. Keystone Nurseries **Lancaster, Pa.**

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Mme. Salleroi Geraniums

3-inch Pots, $3.00 per 100

Cash with order

JOHN COOMBS, 118 Benton St. **HARTFORD, CONN.**

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.

Ricard, Poitevine and **S. A. Nutt,** ready May 15, at $10.00 per 1000.

PLUMOSUS

Fine stock from Rose pots at $25.00 per 1000; sample for 10c.

SMILAX and SPRENGERI

Ready June 1.

Smilax, $12.50 per 1000.
Sprengeri, $15.00 per 1000.

ALBERT M. HERR

LANCASTER, PA.

Please mention the Exchange when writing.

PALMS, FERNS *and* Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. **BROOKLYN, N. Y.**

Please mention the Exchange when writing.

GERANIUMS

S. A. Nutt, 3-in. stock will be ready latter part of May, in bud and bloom, at $4.00 and $5.00 per 100.

Cash Please.

RUDOLF NAGEL, LANCASTER PA.

Please mention the Exchange when writing.

Chrysanthemums

200,000 Rooted Cuttings Ready Now.

Polly Rose, Pacific, Robinson, Monrovia, Alice Byron, Chelton, Ivory, Bonnaffon, Jones, Duckham, Enguehard, Appleton, Eaton, Beatrice May, healthy stock, $1.25 per 100, $10.00 per 1000. Cash with order.

WILLIAM BECKER

Box 48 **FARMINGDALE, (L. I.) N. Y.**

Please mention the Exchange when writing.

A. L. YOUNG & CO., 54 West 28th St., NEW YORK
Telephone, 3559 Madison Square
WHOLESALE FLORISTS Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial
Please mention the Exchange when writing.

NEW YORK, May 11.—The supply of cut flowers in the market this week is greatly in excess of the normal requirements. It seems that the only way to create an artificial demand is by a slaughter of prices, and even this is not sufficiently effective to clean up the market. Everyone is now looking forward to Memorial Day, and as outdoor Spring flowers will be about over, the Memorial Day requirements will doubtless temporarily help the situation.

The price of American Beauty Roses, specials, is 20c. each and downward. There is a very large cut of Killarney and My Maryland Roses now on, for which there is no unusual demand. The best grades of these Roses are selling at 5c. each, except in the case of small sales for some very choice selected stock, and the sales are very slow at the figure mentioned. Some very choice Richmond realizes 8c., but most sales are on a lower basis.

Bride and Bridesmaid, special grades, realize about the same as Killarney and the same is true of Kaiserin. The highest grades of Carnations scarcely reach the 3c. figure, and most sales are from $2 down.

There is an abundant supply of Orchids, and the best grade Cattleyas with difficulty are made to bring 50c. each. In Gardenias, best grade, $2 per dozen is high water mark, and most sales are from $1.50 down. Lily of the Valley top grade brings $3 per 100. Easter Lilies are arriving in very large numbers and are moving slowly, at 5c. each for best grades in small sales and at almost any price in quantities. Best grade Callas are bringing 75c. per dozen.

The cut of Sweet Peas is now heavy, the quality excellent, and for the best grade 75c. per dozen bunches is obtained. Gladioli is now in the market at $1 per dozen for top grades.

Southern Peonies are coming in, but mostly of inferior quality, and the best realize only $1 per dozen. Lilac is nearly over and so are other Spring shrub stock. Other miscellaneous stock is moving slowly with a decided preference for Snapdragons and Stocks, which have been very popular all this Spring.

INDIANAPOLIS, May 9.—A good line of business was maintained throughout the past week, and work was well distributed among the various branches. Funeral work, counter trade, and decorations kept the shop men well occupied. The bedding season has opened in earnest, and any surplus help is easily used. Prices generally are about the same as those for the preceding week.

Carnations are very plentiful just now, and good grades are offered as low as $2 per 100, although $3 would be a fair average; 50c. to 75c. per dozen is the customary retail figure. Harrisii Lilies are unusually abundant at $12.50 to $15 per 100. Callas are a trifle lower, $10 per 100. Smilax, Adiantum and Asparagus are being offered from several quarters, an unusual occurrence in this vicinity.

The home supply of Roses is far ahead of the demand. Many Bride, Bridesmaid and Richmond are being shipped away. $6 to $7 per 100 is obtained for the better grade. American Beauty is mostly shipped in at $5 to $25 per 100, but the sale for it just now is limited.

Sweet Peas are still a prominent factor at 50c. to 75c. per 100, wholesale, and $1 to $1.50 retail. Field grown Valley is obtainable in basketfuls at 15c. to 25c. per 100. The forced stock naturally suffers, and is disposed of at cost price when possible.

A quantity of well grown Lupines, something of a novelty here, sell well to flower lovers. Selected Hydrangea plants beautify several of the downtown windows, as do a quantity of well grown Calceolarias. I. B.

PHILADELPHIA, May 9.—During Friday and Saturday of last week the market was somewhat stimulated both in volume of sales and in prices, especially in the direction of white Carnations and other white flowers by the near advent of Mothers' Day, but it has now fallen back to normal conditions. 33 1-3 per cent. more business for Mothers' Day was transacted this year than last. The cut of flowers now coming in is abundant and there is no shortage in any stock. Gladioli of good quality are coming in, also blue Cornflowers, and some Peonies of medium grade.

American Beauty Roses, specials, are selling for 20c. each; a few fancy especials in small sales bring $3.00 per dozen. Both the Killarneys, best grade, realize 10c. each in smaller transactions but most sales are around the 8c. mark for this grade. My Maryland, Kaiserin, Liberty, the best grade, and fancy special Bride and Bridesmaid are selling at the same price as Killarney. Some very fancy Richmond and Mrs. Jardine realize as high as 15c. each in limited sales, but 10c. is about the top figure on these varieties.

The highest grade Carnations realize 3c. each, though some very choice blooms have passed hands at 4c. each.

Some very choice, long stemmed Gardenias are selling for $3.00 per dozen, but most of sales of other grades are from $2.00 per dozen down. There is a good supply of Orchids, and Cattleya Mossiæ is selling for 60c. each for best grades. Lily of the Valley is firm, the best realizing $3.00 per 100, with a few sales for extra choice stock at $4.00 per 100. Easter Lilies and Callas in limited transactions realize 10c. each, but most sales are below the 8c. mark. Sweet Peas, choice flowers, bring $1.00 per 100, but in most sales 75c. per 100 is the top figure.

Miscellaneous stock is moving fairly well at low prices. Lilac and Spring flowering shrubs are no longer strongly in evidence.

BOSTON, May 10.—Prices have stiffened up considerably this week, owing probably to a shortage of most kinds of flowers. Dull, cloudy weather is another probable cause, as it held crops back. There is no surplus this week and every one seems happy. During the latter part of last week Mothers' Day had something to do with strengthening prices, especially as regards white Carnations, which were all cleaned up at 4c. each.

Roses are not quite so plentiful, but there are enough to go round, and prices are firmer. The quality is good but four dull, sunless days did more harm to the flowers than to any other crops.

Carnations are scarcer, but are still of good quality. Prices are much improved, especially on pink and white varieties. There is no surplus, everything is cleaned right up.

Snapdragon is quite plentiful and is harder to dispose of than it was a few weeks ago.

The supply of yellow and white Daisies is shortening, but there is still enough to supply the demand and the price runs from 75c. to $2 per 100. Spanish Iris is quite plentiful and of very good quality. The best bringing 75c. per dozen. Sweet Peas are rather scarce now and most of them have short stems; the price is 75c. to $1 per 100.

Bulbous material is about all gone most of what is around comes from outofdoors. Easter Lilies are seen in small quantities but the quality is good at prices of 8c. to 10c. Gladiolus Blushing Bride is quite plentiful. There isn't much demand for forced Lily of the Valley as there is an abundance from outofdoors, consequently prices are lower. Orchids, Cattleyas, are plentiful, but prices are holding up well.

Green goods in the way of Asparagus and Adiantum are still on the scarce side. Lilacs have made their appearance this week for the first time. R. C.

ST. LOUIS, May 9.—Business is still quiet in all lines, except funeral work; so the report comes from all the leading retail florists. The weather has been against the trade in all lines. The plantsmen and seedsmen have suffered for the past two weeks owing to the cold and unseasonable weather and, judging from the report of the daily press, all other business has suffered, too, so we are not alone.

The commission men have had plenty of stock all of last week, but the demand was so slow that the prices were away down. Roses, especially, are in abundance, and in big lots sell as low as $15 per 1000 for fairly good stock. American Beauty Roses are also too plentiful for the demand; $2 to $3 for long fancy, others according to length of stem. Carnations, Saturday and Sunday, went up in price, that is white ones, for Mothers' Day, to 4c. and 5c., other stock from 2c. to 3c.

Harrisii Lilies and Callas are in abundance at from 6c. to 10c.; Sweet Peas, 26c. to 60c.; Lily of the Valley, $3 and $4 per 100; Peonies, $3 to $4. Greens are in plenty except common Ferns. ST. PATRICK.

CHICAGO, May 10.—The market conditions during last week were more encouraging than for some weeks past, owing to the demand for flowers for use in the floral parade, and for white Carnations for Mothers' Day. On Monday there was a big demand for Roses, to be utilized for the decoration of the new bank. However, Tuesday morning found the market very quiet and stock moving slowly. The influx of stock continues to decrease, while the quality in nearly all lines holds up to the standard for this season. While the shortage has not advanced prices it has had a tendency to stiffen prices.

American Beauty Roses still hold at from 75c. to $4 per dozen, according to grade. Other varieties of Roses bring from $3 to $8 per 100, the top figure being for extra fancy stock of Killarney and Richmond.

Carnations are still commanding from $2 to $3 per 100, and while white sorts soared as high as 6c. each Friday and Saturday they have dropped to quoted prices again. In Lilies there are just enough to fill orders, and the price still holds at $12 to $15 per 100. Lily of the Valley has dropped a little in quality, but moves nicely for wedding occasions. Outdoor Iris is making an appearance in fine condition; it brings $3.00 per 100. Peonies are coming along, but not in any great profusion; prices range from 4c. to 6c. each.

There is at present but very little showing of miscellaneous stock. Sweet Peas still remain a staple article, with prices from 75c. to $2 per 100. Gladioli are arriving in beautiful colorings, well filled spikes, and are bringing from $1.50 to $2.00 per dozen.

Cattleyas, both Mossiæ and Mendelii, are coming in a little more plentifully and meet with a ready sale. Gardenias have dropped a little in price. Asparagus is getting scarcer than for some time past.

GROWERS' CUT FLOWER CO.
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For DECORATION DAY
We will have the biggest and finest line of Carnations in the city
BEAUTIES AND RICHMONDS
We have the best, as well as all other Roses. We need more, and can interest growers of good Beauties particularly.
VALLEY, GARDENIAS, ORCHIDS, IRIS, Etc.
Henshaw & Fenrich
WHOLESALE FLORISTS
51 WEST 28th STREET
NEW YORK
Phones 325-5582-5583 Madison Sq.
Please mention the Exchange when writing.

Greenhouse Construction

The H. H. Mishler Produce Co., Johnstown, Pa., are to erect this Summer five greenhouses, 25 ft. wide by 325 ft. long.

Yeatman & Way, Kennett Square, Pa., are to erect one house 60 ft. wide by 200 ft. long.

King Construction Co. material will be used for each.

Growers Building

CORNWALL, CONN.—J. E. Calhoun is building a large new greenhouse.

DULUTH, MINN.—R. Lutey will erect a new greenhouse near the high school.

WEST MILAN, N. Y.—Ernest Dyle and C. A. Williams are erecting greenhouses.

Firms Incorporated

HOBOKEN, N. J.—Henry Nungesser & Co., capital $50,000. Incorporators, Henry Nungesser and Geo. S. Mittendorf of New York, and Wm. A. Proescholdt of South Orange, N. J.

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COMMISSION DEALER IN CUT FLOWERS
Established 1887 106 West 28th Street, New York (NEAR 6th AVENUE ELEVATED R. R.)
Consignments of all varieties of Cut Flowers solicited.
Returns made daily where requested.
Best prices. Prompt payments.
Telephones 167 and 4468 Madison Square
Open 6 o'clock every morning
Please mention the Exchange when writing.

SPECIAL ANNOUNCEMENT

The firm of **FORD BROTHERS, 48 West 28th Street, New York, Wholesale Commission Dealers in Cut Flowers,** was dissolved by mutual consent, May 1, 1910; William Ford retiring from the firm.

In reference to the above I wish to state, that I have taken over the business and removed to 121 West 28th Street, New York, a locality where the leading wholesalers are now locating; and where I will continue the business under the former methods. Asking a continuance of our past cordial business relations, I am

Yours very truly,

M. C. FORD **121 West 28th Street NEW YORK CITY**

Please mention the Exchange when writing.

San Francisco

The Market

Market conditions have undergone considerable change since last week; flowers are more plentiful and prices are not so good. Carnations have become so abundant that it doesn't pay to cut them. Of course, growers who sell nothing but the very highest grade flowers probably net good returns for their blooms, but the average price for Carnations brought in by the Italian and Japanese growers is so small that they don't pay for carfare. One florist this week bought twenty-eight dozen Carnations for a dollar. Another buyer parted with $1.30 and received in return forty dozen, very fine Enchantress, and these figures are the general run so far as Carnations are concerned.

Roses of all descriptions have been cleaned up in pretty good shape this week, owing to one or two fashionable weddings, where Roses were used principally in decorations. Killarney is disposed of at from 25c. to 75c. per dozen, while really good blooms fetch $1. American Beauty is by no means abundant and brings from $3 to $3.50 per dozen.

Spanish Iris is beginning to be a drug on the market; $1.50 per 100 is the best figure obtainable and during the course of the week prices will probably drop below the dollar mark. Japanese Iris is to be seen in quantity, and long stemmed blooms bring 50c. per dozen. Sweet Peas are very prominent at present, and while they are undoubtedly popular the best price obtained is about 75c. per dozen bunches. Tulips and other bulbous stock are a thing of the past; what few Tulips are left are sold at 50c. per dozen. Lilies are not quite so plentiful this week and really good blooms fetch good prices.

In the choicer grades of flowers Orchids are plentiful and prices are good, 60c. apiece for Cattleyas being the rule. Lily of the Valley is in good demand and sells well at $3 per 100. Gardenias are scarce and such blooms as are available have sold at three for a dollar. Other flowers to be seen in quantity are Peonies, Marguerites, Pansies, Gypsophila, Anemones, and Ranunculi. Smilax is very scarce; what little there is brings good returns.

Various Notes

The MacRorie-McLaren Co. has been awarded the contract for the constructions and laying out of San Carlos Park. Considerably over six hundred acres will be involved in their plans.

Domoto Bros. of Elmhurst are handling a fine lot of dwarf Japanese trees at present. This firm have quite a monopoly in this class of stock.

Large quantities of pink and white Hawthorn blossom is being brought into the market at present. Hawthorn seems to take well in the stores, judging from the quantity of it sold last week.

The Art Floral Co. had some exceptionally well-grown Hydrangea Otaksa in their store window this week.

Sydney Clack, the veteran grower of Palo Alto, has had a very successful season with his Carnations. Mr. Clack has a splendid local trade, and manages to clean up his surplus stock in pretty good shape all the year round.

The Oakland Traction Co. has been devoting a good deal of money this year toward beautifying the wayside stations and embankments on its car route. Both sides of the tracks outside Piedmont have recently been planted with Ivy-leaved Geraniums.

Strawberries are being picked in fairly large quantities at present. The crop will be exceptionally heavy this year.

The Californian Nursery Co. reports having a heavy demand for nursery stock of all descriptions this Spring and, in consequence, they have been continually on the move for the past two months.

A hedge of pink Cherokee and yellow Banksian Roses, fully two hundred yards long, at El Ceritto, near the county road, is a glorious sight at present. The hedge is fully 8 ft. high and simply one mass of bloom. Cherokees and Banksian Roses are good paying stock in this section.

The new W. H. Crocker estate at Hillsborough is rapidly nearing completion. This estate when completed will probably rank as one of the finest estates, from a horticultural point of view, in California. Mr. Eldridge, the head gardener, is to be congratulated upon the results of his labors.

Outside Roses are coming into bloom very fast at present, and are making a great show wherever they are planted in any quantity. Another week should see Roses at their best in this section.

The C. C. Morse Co., on Market st., have purchased over eight hundred acres of land near Hollister, for seed purposes.

The old Dingee estate at Piedmont, which was sold to the Realty Syndicate, will be cut up and sold as building lots this year.

Weather conditions continue to be ideal, and fruit growers around the Santa Clara Valley and other large fruit growing centers are in hopes of a record fruit harvest this year. The orchards in the Santa Clara Valley, when in bloom, are a sight unexcelled the world over, and have been visited this year by thousands of people from all over the State.

John Flond, gardener to the Fernwood Co. of Oakland, was a recent visitor in town. Mr. Flond, though well over eighty years of age, is as hale and hearty as ever, and contemplates another visit to England in the near future.

Cattleya Mossiæ was a prominent feature in the Sievers' store decorations on Powell st. this week. One window devoted entirely to pot plants also looked very attractive.

Frank Haven of Oakland has done a lot of planting on his Piedmont estate this Spring. He intends planting over two thousand Himalayan Rhododendrons this Fall.

Four million and eighty thousand dollars was the amount raised in two hours at a great mass meeting held in San Francisco last week for the purpose of raising funds for the World's Fair of 1915. San Francisco florists turned out in force and subscribed liberally.

Santa Rose is *en fete* this week, the great Rose carnival being the principal attraction.

The Oakland park commissioners have asked the city for an appropriation of one million dollars for the coming season.

Daniel MacRorie has returned to town from an extended trip through southern California. WM. MC. M. B.

Kalamazoo, Mich.

Trade in cut flowers averages fairly well since Easter, and as there is no surplus prices are maintained at rather better values than usual at this season. The present prospects for cut flowers for Memorial Day seem to the writer to be less promising than usual, and unless a speedy change occurs in the weather there is likely to be a shortage in the supply of both indoor and outdoor stock of all kinds.

The weather during the past three weeks has been cloudy and cool, and several sharp frosts have occurred this week, conditions unfavorable to the early bedding plant trade, and which have also delayed the planting out of Carnations, so that when a change does occur there will be a rush all along the line to catch up with the work.

The damage to the fruit during the cold spell was not so great as at first reported, yet with the frosts of the past week quite considerable losses have been sustained, especially among the Grapes, which form an important industry in this section.

The nurserymen have been very busy the past few weeks and again report good business.

The local papers are reporting a remarkable cure in the case of lockjaw, the treatment being anti-toxin and milk, the success attracting considerable attention in the medical circles. The case is interesting to the florist trade, on account of the patient being a son of Mr. Jeffrys, who is an old and well respected nurseryman of Kalamazoo, and it is hoped that entire success may be reached.

Among the city appointments this month is that of a new park gardener. Thomas Kennit, the appointee, is a man of considerable ability and experience and will no doubt make a good man for the place.

L. P. Thurston is placed on the parks and boulevards committee of the Commercial Club, the object of which is to beautify the city streets and avenues.

S. B.

Prices Advertised in these Columns are for THE TRADE ONLY

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Shipping orders receive prompt attention.
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THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664--1665 MADISON SQUARE
ENOUGH SAID

PHILIP F. KESSLER Commission Dealer in Cut Flowers
Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
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FINEST CALLAS AND LILIES EVERY DAY IN THE YEAR
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WHOLESALE FLORIST
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VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, May 11th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	12.00 to 20.00
" extra	8.00 to 10.00
" No. 1	5.00 to 8.00
" No. 2	3.00 to 5.00
" No. 3	2.00 to 3.00
Killarney	.50 to 5.00
White Killarney	.50 to 5.00
My Maryland	.50 to 5.00
Richmond	1.00 to 8.00
Mme. Abel Chatenay	.... to ....
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	3.00 to 5.00
" extra	2.00 to 3.00
" No. 1	.75 to 1.00
" No. 2	.... to ....
Adiantum	.... to 1.00
Croweanum	.... to 1.00
Antirrhinum (per bunch)	.50 to 1.50
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.15 to .25
Sprengeri, bunches	.15 to .25
Bouvardia	.... to ....
Callas	4.00 to 8.00
Daffodils	.50 to 2.00
Daisies	.50 to 1.50
Ferns, per 1000	1.50 to 2.00
	.... to ....
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.75 to 1.00
Standard Varieties: White	1.00 to 1.50
Standard Varieties: Pinks	1.00 to 1.50
Standard Varieties: Red	1.00 to 1.50
Standard Varieties: Yel. & Var.	1.00 to 1.50
Fancy (The highest grades of Std'd varieties): White	2.00 to 3.00
*Fancy: Pinks	2.00 to 3.00
*Fancy: Red	2.00 to 3.00
*Fancy: Yel. & Var.	2.00 to 3.00
Novelties	.... to ....
Gardenias, per doz.	.50 to 2.00
Lilacs, per bunch	.10 to .25
Lilies, Harrisii and Longi.	1.00 to 5.00
Lily of the Valley	1.00 to 3.00
Mignonette, per doz.	.10 to .25
Narcissus	.50 to 1.00
Orchids, Cattleyas	40.00 to 50.00
Cypripediums, per doz.	.... to ....
Dendrobium Formosum.	.... to ....
Pansies, per doz. bunches.	.25 to .50
Poinsettias, per doz.	.... to ....
Hyacinths	.50 to 1.00
Smilax (per doz. strings)	1.50 to 2.00
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.25 to .75
Tulips	1.00 to 2.00
Iris	1.50 to 2.00
Peonies	4.00 to 8.00
	.... to ....

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ALL VARIETIES OF CUT FLOWERS IN SEASON

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1996 Madison Square
JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

New York

The firm of Ford Bros., wholesale commission dealers, 48 West 28th st., have dissolved partnership, by mutual consent, William Ford retiring from the firm. M. C. Ford will continue the business at 121 West 28th st., where he will be pleased to see all old customers and friends. Mr. M. C. Ford has been a member of the defunct firm for fifteen years and connected with the flower business for twenty years. His many friends wish him great success in his new quarters. Note his special ad. elsewhere in this paper.

The business conducted under the name of Charles Smith's Sons at the N. Y. Cut Flower Exchange will hereafter be conducted by Alexander Smith.

Jasper McMallen, Whitestone, L. I., a director of the N. Y. Cut Flower Exchange is very sick with pneumonia. H. Pritchard, Astoria, L. I., and George Lask, College Point, L. I., have given up their stands at the Exchange. The vacant stands will be quickly assigned to other applicants. George Golsner, a director of the Exchange, with his wife, will sail for Europe about June 1 and be gone several months. This is Mr. Golsner's first visit to his native land for thirty-three years.

Philip F. Kessler, John Donaldson, Victor Dorval, Philip Einsmann, and John Miesem visited Philadelphia on Thursday of this week.

The Wilson-Hoyt Co. are making preparations for a large exhibit at Rochester, N. Y., at the S. A. F. meeting, where they will show both a completed concrete-steel bench and steel molds for the making of same. W. H. Hulse, the former treasurer of the company is no longer connected with the concern. The offices of secretary and treasurer have been incorporated into one which is held by Charles E. Ferry.

The annual meeting of the stockholders of the New York Cut Flower Exchange was held in the Coogan Building, West 26th st., on Saturday, May 7. John Donaldson, the president, presided. Three hundred and one shares were represented in person and by proxy. The president reported that nothing definite had been done about the proposed new market under Queensboro Bridge. Treasurer Philip Einsmann made his report which showed a satisfactory state of finances. John Leach moved that the secretary cast one ballot for the re-election of the directors whose term of office then expired. A. S. Burns insisted upon withdrawing his name, and F. Smith was nominated in his place, and the ticket was elected. The directors are G. Golsner, F. Smith, G. Mathews, J. Schneider, and P. Einsmann. The inspectors of election, Adam Greene and L. J. Kreshover, were re-elected. A meeting of the directors immediately followed adjournment and the old officers were re-elected, as follows: John Donaldson, president; Philip Einsmann, treasurer; V. S. Dorval, secretary. Finance committee: J. Schneider, G. Mathews, F. Smith, J. Leach. Several new applications for market space were handed in.

Charles H. Totty of Madison, N. J., is to disseminate the Carnation White House, originated by Dailledouze Bros., and which was awarded the bronze medal of the American Carnation Society at Pittsburgh, in January last. Mr. Totty has also secured the stock of the white Carnation Wodenethe, which scored 90 points at the exhibition of the Am. Carnation Society, and will disseminate the variety.

Geo. T. Schuneman of Baldwins, L. I. sailed on the Kaiser Wilhelm II last Tuesday for a continental trip. On the Saturday previous he entertained at his home Archie Henshaw, Joseph Fenrich, C. H. Totty, R. M. Schultz and an EXCHANGE scribe, the party going out in Mr. Henshaw's automobile, which was ably driven by its owner, and which later in the evening was the subject of most earnest discussion as to its speed merits.

Henry Weston of Hempstead is the most recent addition to the list of florist autoists.

M. Matheron, for many years Carnation grower for the Cottage Gardens Co., Queens, L. I., severed his connections with that concern last March and is now building a greenhouse plant for himself at Baldwins, L. I. John Graff, who has been Mr. Matheron's assistant for the past eight or nine years is now in charge of the Carnation department at Cottage Gardens.

The proposed plant and flower market under Queensboro Bridge was a subject which had great prominence in most of the New York dailies last Monday.

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For Roses, Carnations,

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Dealers in Florists' Supplies and Wire designs

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Give us a trial—We can please you

Please mention the Exchange when writing.

"Floral Row" as it was called, or that part of Vesey st. which carries the auction rooms, was also the subject of a column article in the N. Y. Herald of Sunday last.

The Cottage Gardens Co. of Queens will this season be a factor in the Peony supply of the New York market, having arranged to send its immense cut to the N. Y. Cut Flower Co. It is a long time since the Cottage Gardens Co. has cut its Peonies for the general market, preferring to leave the growths on the plants in order to promote the development of the roots. This year, however, about one-half the total production of flowers of the best commercial varieties will be marketed, which means a tremendous influx.

Anton C. Zvolanek of Bound Brook, N. J., left this city on Thursday, May 12, going by rail to certain points in northern Mexico which he intends to inspect with a view to the adaptability of such locations for seed raising. From thence he will go on to Santa Barbara, Cal., where the acreage he has planted to Sweet Peas is now in full bloom and the crop of which, it is expected, will be harvested from the middle of June on. Mr. Zvolanek will probably see to the gathering in of some of the earlier maturing varieties, and expects to return East about July 15.

Syracuse, N. Y.

Trade is keeping up remarkably well, and the craft wear smiles of satisfaction. The call for cut flowers has been so good that stock is kept well worked up, and there has often been a shortage, especially of Carnations.

Flowering plants are moving fairly well, although there is not much bedding out being done yet, as the weather is unsettled and the nights quite cold. There were two frosts the past week, but not hard enough to do any serious damage.

The florists are looking forward to a record-breaking Spring trade, and as there has been a large increase in the number of good residences built the past year their hopes should be realized.

The great problem now is what shall we do in the way of cut flowers for Decoration Day. In several of our cemeteries plants are not allowed on the graves and cut flowers only may be used.

H. Y.

BOOKS

Every one who would become successful in his pursuits should "fill himself full" on all subjects appertaining thereto; in other words, he should buy every practical book relating to his business from which he is sure to reap some advantage.

We are in a position to supply these as far as concerns the florist, nursery and seed trades.

Send for our Complete Descriptive Book List covering every phase of Floriculture, Horticulture and Allied Industries

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Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee May 9, 1910	Pittsburgh May 9 1910	NAMES AND VARIETIES	Boston May 10, 1910	Detroit May 9, 1910	Cincinnati May 9, 1910
to 35.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	20.00 to 30.00	22.00 to 25.00	to 25.00
20.00 to 25.00	16.00 to 18.00	" extra	15.00 to 20.00	19.00 to 21.00	to
12.50 to 18.00	8.00 to 12.00	" No. 1	10.00 to 15.00	15.00 to 18.00	to
4.00 to 8.00	4.00 to 6.00	" No. 2	2.00 to 8.00	8.00 to 10.00	to
to	2.00 to 12.00	Killarney	2.00 to 12.00	to	1.00 to 6.00
to	2.00 to 12.00	White Killarney	2.00 to 12.00	to	1.00 to 6.00
to	3.00 to 12.00	My Maryland	6.00 to 8.00	3.00 to 8.00	2.00 to 6.00
4.00 to 8.00	3.00 to 10.00	Richmond	3.00 to 8.00	3.00 to 10.00	2.00 to 8.00
4.00 to 6.00	to	Perle	to	to	to
to	to	Golden Gate	to	to	to
4.00 to 8.00	2.00 to 8.00	K. A. Victoria	6.00 to 10.00	4.00 to 8.00	to
to 8.00	to 10.00	Bridesmaid, fancy—special	5.00 to 8.00	8.00 to 10.00	to 4.00
to 6.00	to 8.00	" extra	3.00 to 6.00	6.00 to 8.00	to
to 4.00	4.00 to 6.00	" No. 1	to	4.00 to 6.00	to
to 2.00	2.00 to 3.00	" No. 2	to	to	to 2.00
to 1.00	1.00 to 1.50	Adiantum	1.00 to 1.50	1.00 to 1.50	to
to	to	Asparagus, (per bunch)	to	to	to
to 30.00	30.00 to 40.00	Asparagus, Plumosus, bunches	to 50.00	30.00 to 50.00	to 10.00
to 30.00	10.00 to 20.00	" Sprengeri, bunches	to 50.00	30.00 to 50.00	to
to	to	Bouvardia	to	to	to
to 12.50	6.00 to 10.00	Callas	to	to 15.00	4.00 to 6.00
to	to	Chrysanthemums	to	to	to
to	to	Carnations—Inferior grades, all colors	to	to	1.00 to 2.00
to 2.00	2.00 to 3.00	Standard Varieties: White	1.00 to 3.00	1.50 to 2.00	to
to 2.00	1.50 to 2.00	Standard Varieties: Pink	1.00 to 3.00	1.50 to 2.00	to
to 2.00	1.50 to 2.00	Standard Varieties: Red	1.00 to 3.00	2.00 to 3.00	to
to 2.00	1.50 to 2.00	Standard Varieties: Yellow and var.	to	to	to
3.00 to 4.00	to 4.00	*Fancy (*The highest grades of standard vars.): White	1.00 to 3.00	2.00 to 3.00	to
3.00 to 4.00	2.50 to 3.00	*Fancy: Pink	1.00 to 3.00	2.00 to 3.00	to
3.00 to 4.00	2.50 to 3.00	*Fancy: Red	1.00 to 3.00	3.00 to 4.00	to
3.00 to 4.00	2.50 to 3.00	*Fancy: Yellow and var.	to	to	to
to	to	Daffodils	.75 to 1.50	2.00 to 3.00	to
to .50	1.00 to 1.50	Daisies	to	to	to .50
to .25	to	Ferns, hardy	to	to .20	to
to	to	Freesia	to	to	to
to .20	to	Galax, green and bronze	to	to .12	to
to	to	Gardenias, per doz.	to	to	to
to	to	Lilac, (per bunch)	to	to	to
to 12.50	6.00 to 10.00	Lilies, Harrisii and Longi	8.00 to 10.00	12.50 to 15.00	to
to 3.00	2.00 to 4.00	Lily of the Valley	1.00 to 2.00	3.00 to 4.00	to
to	1.00 to 3.00	Mignonette	to	3.00 to 8.00	to
to	to	Narcissus	.75 to 1.50	to	to 2.00
to	to 75.00	Orchids—Cattleyas	40.00 to 60.00	to	to
to	to	Cypripediums	to	to	to
to	to	Dendrobium Formosum	to	to	to
to	to .50	Pansies, per doz. bunches	to	to	to
to	to	Roman Hyacinths	to	to	to
to 1.50	to 2.00	Smilax, (per doz. strings)	to	to 1.50	to
to	to	Stevia, per bunch	to	to	to .25
to .50	.50 to 1.00	Sweet Peas	to 1.00	.50 to 1.00	.35 to .50
to	to	Tulips	1.00 to 1.50	to 3.00	to
to	to	Violets, single	to	to	to
to	to	" double	to	to	to
to	to		to	to	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.

SPECIALTIES
CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY
And all other seasonable flowers in quantity

WELCH BROS.
226 Devonshire Street.

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WHOLESALE FLORIST

Successor to Gillett & Ohmer

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All Cut Flowers in Season

I Sell Heller Bros. Roses

I Manufacture Wire Work

Illustrated Catalogue for the asking.

Get your order in now for

HANGING BASKETS

The Best—The Strongest—The Cheapest

Green Sheet Moss, $1.00 per Bundle

Sphagnum Moss, $1.00 per Bale

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GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

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Milwaukee, Wis.

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The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

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HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee St., MILWAUKEE, WIS.

'Phone, Main 874. P. O. Box 103.

Please mention the Exchange when writing.

Philadelphia

The following visitors have been in town recently: Mr. Mulitoid, of the Secaucus Nursery Co., Secaucus, N. J.; F. B. Delthra, Phœnixville, Pa.; Mr. Heck, of Heck Bros., Wyomissing, Pa.; and J. B. O'Connor, Mahanoy City, Pa.

The S. S. Pennock-Meehan Co. are now receiving some extra fine Gladiolus America, and Cattleya Mossiæ. Their consignments of Duchess of Wellington and Harry Kirk Roses from Robert Scott & Sons of Sharon Hill are coming in in good shape. Alfred Jones has returned from the Washington branch store, as William J. Moore has sufficiently recovered to resume the management. The installation of a Stromberg Chromograph at the Philadelphia store is noted.

William Muth is no longer with the Philadelphia Cut Flower Co. George Aengle is the new manager.

H. Bayersdorfer & Co. were never so rushed before. Both factory and sales forces are working nights as well as days to keep up with Memorial Day orders.

W. E. McKissick & Bros. report that they were able to supply all calls for white Carnations for Mothers' Day, from their own consignments. They are receiving some good My Maryland and Mrs. Jardine Roses.

The Robert Craig Co. is making very heavy sales of all kinds of bedding plants and large shipments of Crotons, Pandanus and Ferns.

The low prices of Roses the past season and at this present time is a disappointment to those who grow Roses for cut flowers. It has been suggested by a veteran grower that if the Rose growers would get together and agree to use half their glass for growing Tomatoes, that not only the Tomato growing would be very profitable, but the price of Roses would at once double. As compared with a hot house Tomato, a Southern outdoor grown Tomato is a very poor fruit.

Pennock Bros. have this week a very attractive window display, consisting of shell pink Snapdragons of rare beauty, and Cibotium Ferns. In their conservatory, which is now filled with large Palms and Ferns of many kinds and sizes, are noted, in large tubs, a pair of blue Hydrangeas, literally covered with immense trusses of bloom. They are now making for a G. A. R. Post a standing wreath, six feet in diameter, to be placed on General Grant's tomb on Memorial Day. The wreath is made of Magnolia leaves, and in the center is a large shield made of vertical stripes of red and white Immortelles, with a beading of blue Immortelles, and an oblique band of white Cape Flowers.

The wholesale price for white Carnations for "Mothers' Day" was from three to eight cents each. The retail florists all report a brisk business for that day in white Carnations and to a lesser extent in other white flowers. The day in this city was very generally observed. This city is its birth place, and the home of its originator, Miss Anna Jarvis. Governors of twenty States and mayors of fifty cities gave official notice of the day. Mayor Reyburn on Saturday issued a proclamation requesting all good citizens to observe Sunday, May 8, in memory of their mothers. It is estimated that fully half the people seen on the street Sunday wore a white Carnation.

Boston

Weather's Vagaries Affect Trade

Business is very erratic and it seems strange to have to report one week the fine condition of the market and the following week just the reverse. But this is exactly how the market has been shaping ever since Easter. There have been good prices obtainable this week, but there has been a shortage in nearly all departments, chiefly the result of the great glut of flowers that were forced upon the market right through the month of March owing to its unseasonable weather. Probably another reason for the shortage of flowers during the week has been the exceptionally sunless weather. For four days the sun was never seen; this is quite unusual at this season and, no doubt, held flowers backward.

There is much uneasiness at the present time lest many of the crops for Decoration Day will be gone; Lilacs and many other plants are in full bloom now.

The weather has been quite cool in this section. On the night of May 5 the thermometer went as low as 26° and caused great loss to truck farmers and others. One grower of Beans in Arlington had ten acres of that product com-

NEW CROP

HARDY FERNS

Nearby's, not the inferior quality, poorly put up ferns from the South, handled by most of the dealers at this time of the year; but splendid, big, perfect fronds, put up in neat uniform packages of fifty, well worth a dollar per thousand more than any fern on the market. **CAN SUPPLY IN QUANTITY FOR MEMORIAL DAY**

PRICE, $3.00 per 1000

RIBBONS Some of the choicest novelties, exclusive patterns, an endless variety to choose from.

A price list of all Cut Flowers issued every Saturday. If you are not on the list let us have your name.

SUPPLIES of all kinds. **CATALOGUE ON REQUEST**

Open, 7 A. M. Close, 6 P. M. Not open for business on Sundays.

Not responsible for flowers after delivery to the Express Companies.

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1608 to 1620 Ludlow St., PHILADELPHIA, PA.

1212 New York Ave., WASHINGTON, D. C.

P M QUALITY

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Buffalo May 9, 1910	NAMES AND VARIETIES	Phil'delphia May 9, 1910	St. Louis May 10, 1910
20.00 to 25.00	Roses—A. Beauty, fancy—special	15.00 to 20.00	15.00 to 20.00
15.00 to 20.00	" extra	10.00 to 15.00	10.00 to 15.00
8.00 to 10.00	" No. 1	8.00 to 10.00	6.00 to 10.00
2.00 to 4.00	" No. 2	4.00 to 8.00	3.00 to 4.00
3.00 to 10.00	Killarney	2.00 to 10.00	3.00 to 6.00
3.00 to 10.00	White Killarney	2.00 to 10.00	3.00 to 6.00
3.00 to 10.00	My Maryland	2.00 to 10.00	3.00 to 6.00
3.00 to 10.00	Richmond	3.00 to 15.00	3.00 to 6.00
..... to	Perle	2.00 to 6.00	..... to .....
..... to	Golden Gate	3.00 to 8.00	..... to .....
..... to	K. A. Victoria	2.00 to 10.00	..... to .....
..... to 8.00	Bride, 'Maid, fancy—special	8.00 to 10.00	5.00 to 6.00
6.00 to 8.00	" extra	6.00 to 8.00	..... to 3.00
4.00 to 6.00	" No. 1	3.00 to 6.00	..... to .....
2.00 to 4.00	" No. 2	1.00 to 3.00	..... to .....
1.25 to 1.50	Adiantum	1.00 to 1.50	..... to 1.50
..... to	Asparagus, Plumosus, bunches	..... to	..... to .....
..... to	" Sprengeri, bunches	35.00 to 50.00	25.00 to 50.00
..... to	Bouvardia	..... to	..... to .....
..... to 8.00	Callas	6.00 to 10.00	8.00 to 10.00
..... to	Chrysanthemums	..... to	..... to .....
1.50 to 2.00	Carnations—Inferior grades, all colors	1.00 to 1.50	..... to .....
1.50 to 2.00	Standard Varieties: White	1.50 to 2.50	..... to .....
1.50 to 2.00	Standard Varieties: Pink	1.50 to 2.50	1.50 to 2.50
1.50 to 2.00	Standard Varieties: Red	1.50 to 2.50	2.00 to 3.00
..... to	Standard Varieties: Yellow and var.	1.50 to 2.50	..... to .....
2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	3.00 to 4.00	2.50 to 3.00
2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Pink	3.00 to 4.00	2.00 to 3.00
2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Red	3.00 to 4.00	2.00 to 3.00
2.50 to 3.00	*Fancy (*The highest grades of Sta'd vars.): Yellow and var.	3.00 to 4.00	..... to .....
1.00 to 2.00	Daffodils	..... to	..... to .....
1.00 to 2.00	Daisies	.50 to 1.50	..... to .....
..... to .25	Ferns, hardy	.20 to .30	..... to .....
..... to	Freesia	..... to	..... to .....
..... to .15	Galax, green and bronze	..... to .10	..... to .....
1.50 to 3.00	Gardenias, per doz.	.60 to 3.00	..... to .....
..... to	Lilac, per bunch	..... to	..... to .....
10.00 to 12.50	Lilies, Harrisii and Longi	5.00 to 10.00	8.00 to 12.50
3.00 to 4.00	Lily of the Valley	2.00 to 4.00	3.00 to 4.00
1.00 to 3.00	Mignonette	1.00 to 3.00	..... to .....
.50 to 1.50	Narcissus	..... to	..... to .....
..... to	Orchids—Cattleyas	..... to	..... to .....
..... to	Cypripediums	..... to	..... to .....
..... to	Dendrobium Formosum	..... to	..... to .....
.20 to .50	Pansies, per doz. bunches	.25 to .40	..... to .....
..... to 1.50	Smilax, (per doz. strings)	1.50 to 3.00	..... to .....
..... to	Stevia, per bunch	..... to	..... to .....
.60 to 1.00	Sweet Peas	.50 to 1.00	.20 to .60
1.00 to 3.00	Tulips	..... to 2.00	..... to .....
..... to	Violets, single	..... to	..... to .....
..... to	" double	..... to	..... to .....

WE ARE NOW BOOKING ORDERS FOR

BEGONIA LORRAINE
BEGONIA LORRAINE LONSDALE
BEGONIA AGATHA

JUNE DELIVERY

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be **twice shifted.** Orders filled in rotation. 2½-in. pots, $15.00 per 100, $140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

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For Decoration Day

We will have a big supply of

Roses, Carnations, Peonies and all Seasonable Stock

Get our quotations before placing your order

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Open from 7 A.M. to 8 P.M.

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Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.

Our usual quality (the best)

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pletely spoiled with frost that night. Tulips were lying flat on the ground in the early morning, and those receiving the full benefit of the morning sun have not fully straightened out yet. Peonies that were in bud may have also suffered. Lilies which were making young growth were badly frozen and so were Strawberries and other fruits.

As far as we can learn, the Carnations which were planted out of doors have not suffered with the frost.

Mothers' Day Quite a Feature

Mothers' Day was quite a feature in this city and early on Saturday every white Carnation was picked up at good prices, some going as high as four cents per flower. All "special" days which give an increased business to grower, wholesaler and retailer, should be encouraged in every imaginable way.

The Coming Orchid Exhibition

The Exhibition Committee of the Mass. Hort. Society has been busy this week allotting spaces to the various exhibitors. There is going to be an extraordinary exhibition. The entries which have been made are far in excess of what the committee anticipated, and the large spacious halls will be taxed to their utmost. Every prize is strongly contested for and there will be good competition.

Every person connected with the exhibition feels gratified at the enthusiasm and interest that is being shown by Orchid growers all over the country.

No money is to be spared to make the exhibition a success. The services of the best musicians to be had in Boston have been secured and music will be furnished in the afternoons and evenings for the entire week. Several other attractive features are planned for and will be announced later.

John T. Butterworth of South Framingham has a superb show of Orchids at his houses. His Miltonias are exceptionally well flowered and of these he has 200 plants in bloom. One would be well repaid to make a journey to this commercial establishment if there was only the Miltonias to see, but there are some fine Cattleya Mossiæ and C. Mendelii in su-

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We supply everything the FLORIST Uses.

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HOERBER BROTHERS

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ROSES and CARNATIONS a specialty

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All telegraph and telephone orders given prompt attention.

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Wholesale Prices of Cut Flowers, Chicago, May 10, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	3.00 to	4.00
30-inch stems.. "	.... to	3.00
24-inch stems.. "	2.50 to	3.00
20-inch stems.. "	.... to	2.00
18-inch stems.. "	.... to	1.50
12-inch stems.. "	.... to	1.00
8-in. stems and shorts "	.... to	.75
Killarney	4.00 to	6.00
" extra	.... to	8.00
White Killarney	.... to	8.00
Richmond	6.00 to	8.00
My Maryland	5.00 to	8.00
Bride, Maid, fancy special	5.00 to	7.00
" extra	5.00 to	6.00
" No. 1	.... to	3.00
" No. 2	.... to	2.00
Perle	5.00 to	6.00
Chatenay	4.00 to	6.00
Kaiserin	5.00 to	7.00
Uncle John	.... to	6.00
Mrs. Marshall Field	.... to	6.00
Adiantum	.... to	1.00
Asparagus, bunch	.35 to	.75
" Sprengeri	.35 to	.75
Calla Lily	12.50 to	15.00
Chrysanthemums, doz.	.... to	....
" fancy doz.	.... to	....
Daisies	.75 to	1.00
Daffodils	.... to	3.00
	.... to	....

CARNATIONS		
Standard Varieties: White	2.00 to	2.50
Standard Varieties: Pink	2.00 to	2.50
Standard Varieties: Red	2.00 to	2.50
Standard Varieties: Yel. and Var.	.... to	....
*Fancy: White	2.50 to	3.00
*Fancy: Pink	2.50 to	3.00
*Fancy: Red	2.50 to	3.00
*Fancy: Yel. and Var.	.... to	....
Ferns, hardy, per 1000	.... to	2.50
Galax (green)	.... to	1.00
" (bronze)	.... to	1.25
Gardenias	25.00 to	35.00
Iris	2.00 to	3.00
Lilac, per bunch	.35 to	.50
Lilies, Harrisii and Longi.	12.00 to	15.00
Lily of the Valley	3.00 to	4.00
Mexican Ivy	.... to	1.00
Mignonette	4.00 to	6.00
Narcissus—Paper White	.... to	....
Orchids—Cattleyas	50.00 to	60.00
" Cypripediums	15.00 to	20.00
Pansies	.... to	.75
Smilax	12.00 to	15.00
Sweet Peas	.75 to	2.00
Tulips	.... to	3.00
Violets, single	.... to	....
" double	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....

*The highest grades of Sta'd varieties

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Write for catalogue

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VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

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perb specimens. There is also a nice batch of Phalænopsis. Mr. Butterworth is getting ready for the Orchid show; he has made many entries.

What Growers are Doing

C. H. Hallstrom, Roslindale, has a well-grown lot of Vincas in 5-in. pots and has also a large stock of Geraniums and other bedding plants; he disposes of many of these at 2 Park st.

J. W. Simpson of Woburn, Mass., grows 35,000 Stocks for Decoration Day and they are looking very well, strong, stout, healthy plants with plenty of foliage and good stout flower stems. His pink variety is the very best coming to market.

Samuel Goddard of Framingham is going to visit England this Summer. He goes by the Oceanic, June 15, and is to visit most of the larger commercial establishments and also some of the larger private estates. He has a very fine house of annual Larkspurs which he is beginning to cut and finds it a profitable crop. He has 25,000 plants and the two colors he grows, and which are in most demand, are pink and lavender.

Charles Evans of Watertown has a magnificent house of Hydrangeas, also some very well-grown Dorothy Perkins Roses; he disposes of them largely at 2 Park st.

Thomas Roland of Nahant is shipping some handsomely grown Hydrangeas and Calceolarias.

Frank T. White of Holbrook, Mass. is growing a lot of Dracæna indivisa and finding a ready sale for them. They are light, airy, graceful plants, and a good trait is that they stand a lot of hard usage.

W. W. Edgar Co.'s crops for Decoration Day are in excellent shape and, as things look at the present time, they will have a superb cut for their Memorial Day trade. We noticed from them this week, at 2 Park st., plants of Chrysanthemum Bonnaffon with goodly sized flowers.

A. N. Pierson of Cromwell, Conn., is shipping large quantities of Lilacs to 1 Park st. Market, handled through Edward J. Rogean. There is a good demand for the popular flowers and city people like their pleasing fragrance.

James Wheeler is busy on his new range of houses and the work is progressing very nicely. He has just secured two 80 h.p. boilers which are to be installed shortly.

W. C. Stickel of Lexington is making considerable alterations on his establishment and another 80 h.p. boiler is being installed.

H. H. Rogers of South Sudbury is cutting some fine Carnations; his Fair Maid, Enchantress and Beacon are of very high quality.

The first Darwin Tulips of outdoor cut we have seen in the market came from William Paterson of Quincy. There are some lovely shades of colors in these Tulips and they have such fine long stems! Their lasting qualities, when cut, are much better than the common Tulips. They should be far more popular than they are. It is true that some of the varieties are rather expensive, nevertheless, they are well worth popularizing and there is no doubt there would be a stronger demand for them if the good varieties were better known.

W. W. Rawson & Co. have a magnificent display of bulbous plants at their Marblehead establishment; Darwin Tulips lips are just coming into bloom. Every class of Tulips is represented and not less than 300 varieties are in bloom now. They extend a cordial invitation to all florists and their friends to come and see the display. Their novelty list of Dahlias will include 400 kinds. Their Sweet Peas at Marblehead comprise 169 varieties and are Spencers exclusively, mostly varieties which have never been shown in America before.

The Gladiolus Society

Promises to be a great success. There is already a long list of applications for membership; Mr. Fuld is very anxious to have as many charter members as possible and asks every one interested in Gladioli to come forward and join. The membership fee will be as low as possible so as to give every one interested a chance to join.

General Notes Here and There

Mrs. R. D. Evans of Beverley, has imported from Italy a very expensive and handsome fountain which has been erected and put into working order by the firm of R. & J. Farquhar & Co. The grounds around the fountain have been laid out tastefully and artistically by the same firm and they have used much shrubbery, mostly evergreens. James George has superintended the work for them and the results show his good taste and ability. This place is of exceptional interest, being the Summer residence of President Taft and his family.

The Lilacs at the Arnold Arboretum will be at their best this coming week and are well worth a journey there to see them in all their glory.

In a recent tour of the Boston Park system, with Superintendent John W. Pettigrew, we never saw the trees and shrubbery in better condition. The Winter was so mild that there has been practically no winter killing. The Azaleas are beginning to make a good display and Dogwoods, most especially Cornus florida, pink and white varieties, are making a grand display.

G. and F. Club Meeting

The next regular meeting of the Gardeners and Florists' Club will be held at Hort. Hall on Tuesday evening, May 17. The services of the expert Orchid grower, E. O. Orpet, have been secured for that evening; he will deliver a lecture on Orchid growing. As Mr. Orpet is a brilliant orator, and has the power to keep his audience spellbound, and as he is also a master of this subject, we hope every member of the Club with their friends will attend and welcome him. This is an opportune time to have a lecture on this subject, just a few days before the Orchid exhibition, so we can all get posted before that event takes place.

Ladies' night will be in June, and preparations are under way to have that evening as pleasant a one as possible for the fair sex. In fact, ladies are always welcome at our meetings. R. C.

Chicago

Mothers' Day, May 8, was observed all over the city, thousands of people wearing white Carnations, or white Roses in instances where Carnations were not obtainable. The churches also participated in the celebration and many vases of flowers were placed on altars and pulpits. The wholesalers state that if the demand for white Carnations for this occasion increases each year, as it has in the past two, it will make Mothers' Day one of the greatest days for the florist of any on the calendar. It is hoped that in the near future the public will depart from the use of the white Carnation alone, and utilize all colors, as it is almost impossible to fill the demand. It is the first year that the local trade has warranted any extra supply, but it was not possible to fill all orders for shipping and local trade and in many places the white Rose was used.

The florists are already getting busy booking orders for Decoration Day; in fact, this has been going on since the cold spell. As was the case last year, two days will be taken up in the celebration, Sunday and Monday, and with nothing to depend on of any description in the outdoor line the wholesalers are at this early day kept guessing as to where the stock required is to come from, each week seeing indoor crops gradually declining. The outlook is for a great scarcity of all flowers, with prices almost equal to those of Christmas and Easter; the probability is that more plants than ever before will be called for to take the place of cut flowers. It is hard to state just what shape Peonies will be in at that time. It was thought that if they survived the hard weather experienced last month they would be just in the nick of time, but for the past week there have been no developments perceptible; the buds are just as tight as they were ten days ago, and opinions differ as to the time it will take for them to blossom. Certainly, we have not had Peony weather.

Lloyd Vaughan, of Vaughan & Sperry, says that the call for white Carnations for last Sunday was far beyond expectations, and greatly advanced over that of last year. He also states in regard to the Peony question, that from reports received from the South he is safe in saying that the crop was damaged fully one-third.

The A. L. Randall Co. say that the shipping orders for white Carnations the end of last week were enormous, they were also surprised at the local demand.

At Peter Reinberg's it is said that they managed to fill all their orders nicely, but it certainly was all they could do to meet the demand for white Carnations.

At Winterson's Seed Store it is stated that they have never been in receipt of such fine specimens of Bay trees as in their import of this season, and are finding a ready sale for them in all directions. The counter trade here has become quite brisk again the past few days.

Wietor Brothers have completed four of the greenhouses they have been constructing, and will at once plant them to American Beauty Roses.

Hoerber Brothers have again resumed building on their new greenhouse range and hope to push the work rapidly, as they are anxious to get their American Beauty Rose stock in the benches for next Winter's flowering.

The new common Ferns from the South are coming in great quantities. C. L. Washburn says that the quality far surpasses that of any previous season—they are simply fine.

Green Flies and Black ones too
are easy to kill with
The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
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Charles McKellar was not to be outdone in the floral auto parade, and entered the contest with his six-cylinder Winton car, with Mrs. McKellar at the wheel. The car, which is a brilliant red, was decorated with Asparagus, Ferns and artificial Poinsettias; a large umbrella surmounted the car, elaborately decorated and hung with many electric lights, which made a very effective decoration. Jos. L. Raske of Jackson blvd. had the decorations of several cars entered in the natural flower class in the same parade.

J. A. Peterson of Cincinnati was in town last Saturday and Sunday, and was showing a beautiful colored plate of Glory of Cincinnati Begonia. While the plate is a good reproduction it does not do full justice to the color of the flowers. Mr. Peterson visited several of the out-of-town growers during his visit.

Poehlmann Bros. Co. are still receiving fine shipments of Orchids from Morton Grove. Their stock of Roses and Carnations are for this season unexcelled.

A new florist shop has opened this week at 27 Jackson blvd., in the Wellington Hotel, and will be under the management of Strail & Hahn. Fred Strail who was with A. Lange until a few months ago, and with the Bohannon Floral Co. since that time, is one of the partners, and J. Hahn, a florist and landscape gardener of Belvidere, Ill., the other. The location promises to be an excellent one for a florist store. Mr. Strail, who has already made his reputation as a designer and decorator, has the well wishes of the trade in general.

The lease for space for a florist stand in the tea room of the Congress Hotel has been secured by O. J. Friedman. The prospect for this to be a prominent stand is excellent, as the hotel is well patronized by the elite of the town.

Fred Sperry, who has been on the sick list, is at business again.

A. Lange was laid up last week for three days with lumbago, but was on deck again Monday.

The young son of Mr. Brooks of Morton Grove, who has been in the hospital for many weeks, has been removed to his home. Charles Zapfe of the Budlong Estate, who was operated on last week for appendicitis, is reported to be getting along splendidly.

H. C. Blewitt of Des Plaines, Ill., is so encouraged by the Sweet Pea situation this season that he will add one large house to his plant, which he will devote to Sweet Peas alone.

Willard Edward is adding to his range of greenhouses at Hinsdale, Ill.

J. Kruchten's small son, who was badly bitten by a dog a week ago, is reported, to be out of danger and doing nicely.

Harry Rowe had the order for the bridal bouquet for the Ruth Bryan Leavitt-Owen wedding, which took place at Lincoln, Neb., May 3.

O. P. Bassett and bride arrived from California Sunday evening, taking their friends by surprise. Mr. Bassett, with Mrs. Bassett will tour Europe this Summer.

Vaughan's Seed Store has again assumed its usual busy condition since the weather has warmed up. The respite, however, has given them the opportunity of catching up with their mail orders.

Visitors: M. Ebbinge, Boskoop, Holland; C. H. Woolsey, Rockford, Ill.; J. E. Meinhart, Webb City, Mo.; Frank Stuppe, St. Joseph, Mo.; P. N. Obertine, Kenosha, Wis.; Geo. A. Heinl, Toledo, O.; Wm. Desmond, Minneapolis, Minn.; Mr. and Mrs. Long, Dixon, Ill.; Martin Reukauf, of Bayersdorfer & Co., Philadelphia, Pa.

The Floral Parade

On Saturday last, the day scheduled for the parade, about 12 o'clock a drizzling rain started, and as the starting time was an hour later it was thought advisable to postpone the affair until Monday. This was a great disappointment to the owners of cars decorated with natural flowers, as all were by this time completed and ready to start. This meant much time and labor lost as much of the work had to be done over again Monday morning. Needless to say the flowers had lost much of their freshness by Monday noon. Out of the 150 cars that started, only 14 were decorated with natural flowers. The number, however, would have been greater if more flowers had been available for the purpose. The prizes awarded to the different classes were due to the artistic tastes and designs of our florists. The decoration of D. J. Joyce's Alco, which was a veritable bower of American Beauty Roses, was the work of J. Raske, Jackson blvd.; while that of Tom Murray's limousine, a mass of Killarney Roses, with a beautiful group of Palms and Hydrangeas, was done by Fleischmann. F. J. Peterson, with his Stearns, decorated with American Beauty Roses, received honorable mention. In the private owners class Mrs. McKellar carried off first prize.

Mangel had the decorating of two Studebakers. Wittbold decorated two of the Chicago Examiner's wagons that carried the bands; these decorations were of plants and flowers.

A. Lange had decorated two Studebakers, and the wagon of the Chicago Examiner which with a band led the parade. There were many cars, of all descriptions, decorated with artificial flowers that were not interesting to the trade. It is the opinion of many of our florists that the parade will become an annual event, and result in much benefit to the trade.

Club Meeting

The regular meeting of the Chicago Florists' Club took place at the usual place on Thursday evening last. Geo. Grimm of Peoria st. and P. J. Saunders of Cottage Grove ave. were proposed for membership. A. A. Vermueller, of Nelson Bros., was elected to membership. By action of the Club Margaret Flint was appointed collector to gather in the membership dues. There was a good attendance and a pleasant evening was enjoyed by all.

Providence, R. I.

Samuel Kinder of S. Kinder & Bro., Bristol, R. I., was a recent visitor to Providence. The firm have been quite busy so far this Spring, the force being short through the illness of Geo. Faithorp, who only recently returned to work after ten weeks' suffering with inflammatory rheumatism.

The heavy frost last Friday morning did much damage to early vegetables. Some sections report about one-half of the Strawberry crop is ruined. Those having Beans and Melons up will be compelled to replant.

The seed stores are kept very busy, but the early trade in vegetable plants has been light, owing to cold nights and recent frosts.

F. Macrea & Sons have been kept busy with funeral work. Cut flowers at present are a little off crop with them.

W. S. Nichols, Hampden Meadows, is bringing in some very nice Carnations.

C. H. Hunt, Oxford st., who runs a dairy in connection with his florist business, is putting in a new plant to pasteurize milk, using the Read system.

Mr. Schneider, representing the Edwards Folding Box Co., Philadelphia, was in town Saturday. He reports business has having been very good with him.

Owing to the recent observance of Mothers' Day, all white flowers are scarce.

John Green will open up a new store at the corner of Bridgham and Cranston sts., for the sale of cut flowers, plants, etc.

Wm. Crompton of East Greenwich, R. I., was in Providence Monday.

Geo. C. Kelley, Waterman st., had the order from the Governor and staff for a six foot floral design, made with State seal, for the funeral of Dr. Kenyon.

T. J. Johnston & Co. had the floral decorations for Dr. Miller's reception. Business is very good with them; white Carnations are selling at $1 a dozen; Roses from $1.50 to $2, according to variety and quality; Sweet Peas, 25c. to 35c.; Stocks, best quality $1 to $3 dozen.

The Market

Wholesale prices are about as follows: Roses, $1 to $8 per 100; American Beauty, $5 to $30; Carnations, $1 to $2.50 per 100; Sweet Peas, 50c. to $1; Marguerites, $1; cut stock, $2 to $8 per 100; Callas, $5 to $10 per 100; Adiantum Ferns, $1 per 100; hardy and fancy Ferns, $1.75 to $2 per 1000; green and bronze Galax, $1; Asparagus, 25c. to 50c. bunch. Carnations in general are reported short, especially white varieties. Potted Roses bring 35c. to 50c. each. New hardy cut Ferns are coming in, although not as long as they will be later; the quality is good. H. C. N.

TANKAGE FERTILIZER
For Plants, Lawns, Gardens and Greenhouses.
A natural Plant Food and Soil Improver, guaranteed to contain no acid or chemicals. Try it! $25.00 per ton, $7.50 per 500 lbs., $2.00 per 100 lbs.
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Wishing to do business with Europe should send for the
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This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address
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THE AMERICAN CARNATION

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Rose Growers
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Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.
Pulverized Sheep Manure
Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.
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25 lbs., $1.00 100 lbs., $ 5.00 1000 lbs., $27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., 52.50
Stumpp & Walter Co. 50 Barclay St., New York.
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BLOOM SAVER
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Red Standard Pots

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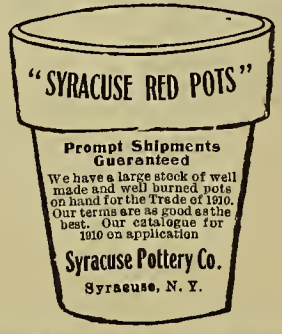

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1500 2 in. pots in crate,	$4.88	120 7 in. pots in crate,	$4.20
1500 2½ " "	5.25	60 8 " "	3.00
1500 2¾ " "	6.00	HAND MADE	
1000 3 " "	5.00	48 9 in. pots in crate,	$3.60
800 3½ " "	5.60	48 10 " "	4.80
600 4 " "	4.50	24 11 " "	3.60
456 4½ " "	5.24	24 12 " "	4.80
320 5 " "	4.51	12 14 " "	4.80
210 5½ " "	3.79	6 16 " "	4.50
144 6 " "	3.18		

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Newport

The work in the four school gardens in this city has been taken up in earnest; in all there are 186 garden plots this year. In 1909 there were but three of the schools that took up the work, this year the Coggeshall school has been added. Two of the teachers, Miss Nuss and Miss Brazier, who have had charge of the work ever since its inception four years ago, are still in charge and, as usual, a committee of ladies from the Civic League are giving some time in helping to start the young gardeners along on the right track. The Horticultural Society is to take charge of the judging and awarding of the premiums. Schedules have been distributed to the would-be competitors.

Worthy effort has been shown in the past and the movement deserves every encouragement.

Mothers' Day here was given very little attention, but it would not take much effort on the part of the trade to make the day a most popular one, perhaps almost equalling Memorial Day. By the way, why could not a white Carnation be worn, in respect to the memory of a good mother, on Memorial Day instead of on a day set apart for the purpose, the special date selected having no meaning to any one except the originator?

The indications are that flowers will be scarce on Memorial Day; the Lilacs which are usually in good condition then are almost sure to be past, being well advanced now.

At Stewart Ritchie's and John Chace's the planting out of the Carnations in the field is going on apace.

Mr. Samuel Haire, for many years gardener for the late Gordon McKay is now gardener for Reginald Vanderbilt at Sandy Point Farm, South Portsmouth. ALEX. MACLELLAN.

Your Money is well spent when you advertise in THE FLORISTS' EXCHANGE

The

Week's Work

BY FRITZ BAHR

The Spring Rush

Don't Neglect Things on Account of It

This is haying time for many of us; every hand is busy getting the benches emptied. Stock which has taken bench room since last October, as is the case with the early propagated Geraniums, is being packed and shipped or planted out for the customers at home. There it hardly any time for watering, repotting or other important work which ought to be done. Everyone wants his order filled at once, and the days are not half long enough to do things in. Of course, the quicker we are all through with it the better, but don't neglect other stock which might at this time have to take second place on account of it. Few realize what great harm is done, for instance, in having a 2½" pot plant of a Cyclamen suffering for the want of water and exposed in a 90° house for hours; you may water such a plant the following day all you like, shade and syringe it, but you will not be able to make it good again in months. The harm done, and repetition of such carelessness will certainly mean failure. Some very successful growers claim that the drying out of a Carnation or Violet bench during Winter, to such an extent as to cause the plants to wilt, is of benefit, but there is no doubt about the suffering of a small pot plant when treated in this manner. It should never happen with any small growing pot plant; and more with the Cyclamen than any other plant can failure be traced to this neglect of the stock during the busy Spring weeks—if the young plants, by June 15, are not in a healthy growing condition all the culture afterwards given will not develop them into good specimens. While not to the same extent, yet all plants are affected more or less by neglecting them now. This holds good with the Roses, Carnations, Palms, or any other stock we carry. Only too often do we pay heavily for the Spring rush, but don't notice it till months afterwards. Try to avoid it this year; get into the habit of planning a day's work ahead; have a certain man or men to attend to the watering, syringing and shading, and let them do other things only when they get time.

Hydrangea Otaksa

What To Do With the Small Stock

There is no better time than the present to prepare for next Winter's and Spring's supply of these valuable plants. Great quantities of them are now yearly imported, and while they, with proper care, produce fine plants and good flowers, the home grown ones are far better, and I consider them plants of which every retail grower, if at all possible, should grow his own supply. Stock which was propagated during February and March and is now in 2½'s can be planted out into the field where, if pinched back, well branched plants will be ready for lifting next September. This stock will do nicely, especially for late forcing. A much better way, however, is to grow the plants in pots during the entire Summer, as I advised doing with the Rambler Roses several weeks ago. Plant three of the small 2½" plants into a 5" pot and give another shift later in the season. Don't keep the plants indoors, they should go outside in the full sunlight. Plunge the pots up to the rim in a location near the water hydrant, for few other plants need as much water as the Hydrangeas. However, in potting, provide proper drainage; without this you can't grow good plants. Don't overlook pinching the little plants back, and allow two eyes to break, quite sufficient. If good, strong stock is on hand, one plant for a 5" pot will do. Allowing three to four shoots to grow in this way, by proper care, fine plants can be had by Fall. All will depend on what care they get. Don't forget that one fourth of the potting soil should consist of well rotted cow manure. Hydrangeas are not only rank growers but rank feeders, and it entirely depends on the soil and what treatment they get during the Summer months as to the success you will have next Winter with them.

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Stock Geranium Plants

Select Them Carefully and Don't Put Off Such Work

The man with foresight will select his stock plants of Geraniums before he is nearly sold out of his best varieties. No matter how well stock may be grown there is always a difference, and the best of a bench is none too good to reserve for stock, in fact, it is the only kind we should select for future propagating. Don't make the mistake of setting this stock on some side bench, to be planted out when you find time. Before you are aware of it someone will dig into it and you will find yourself short of the most desirable sorts. There isn't, after all, a more valuable bedding plant today than the Geranium, and in order to get all there is in it we ought to grow our own stock, and that means planting out a liberal number as early as they can safely be put out. Plant them into the open field, in rows 2 ft. apart by about 1 ft. in the rows. If you have large plants give them plenty of space; you don't want them crowded before half of the Summer is over, for such a condition would produce a long, spindly growth unfit for cuttings. The shorter and stockier the growth the better for propagating in every way, and keeping the stock up is only possible by careful selection, even in Geraniums. We have, always, plants which appear to be shy or late bloomers, and once in a while we find one which will not bloom at all; these are the plants left on our hands at the end of the bedding season and it would be folly to use them for stock plants; the only use they can possibly be put to, outside of the compost heap, is in "filling up" in some extra large vases or window boxes, where you are dead certain never to see them again. Use plants which are the freest bloomers, and plants of good habit.

Soil

The Supply for Window Boxes and Vases

For the benches where the Chrysanthemums are to be planted in a few days from now it matters little if the soil we use is not so very fine, as long as it is sweet and fibrous. When it comes to filling window boxes and vases, however, there is a great difference. You can work twice as fast and do better work in every way by having a fine sifted soil at hand, not forgetting a liberal amount of manure to mix with it. We like two parts of soil and one of manure, for the reason that there is usually but little room for soil in a box and the little one uses ought to be good, for we should do all in our power to have the customers satisfied at the end of the Summer season, when they are willing to pay a good price for the work. Take care of the plants, there are still many in our line who do not fully realize the importance of going a little out of our way at times in order to have things right. Get ready with a good pile of sifted soil and manure for the boxes and vases. If it is possible to have it placed under shelter, so much the better, for only too often do we select a rainy day for filling and you can't do good work with wet soil; it must be just right, but, if anything, soil too dry will be better than when it is soaking wet, for one can easily remedy the former, if necessary, in a few minutes, but not the other. While speaking of soil it might be well to mention the soil for the Chrysanthemums. If it is not on hand don't lose any time in getting your requirements for if you are short on room a few more days will give you, no doubt, plenty and the sooner the early fellows are getting out of the thumb or 2" pots the better; to have the stock on hand and the bench, but no soil ready, shows bad management.

Outdoor Work

Of Importance for the Retail Grower

While the Carnations are usually among the first plants we put out into the field, the early Asters follow closely. For the Asters we like to use a piece of ground which was manured and plowed last Fall and spaded over lightly again this Spring. We plant in rows, 18" apart, and allow 12" of space between the plants. The first lot of Dahlias went to the field several weeks

ago, but the cold weather kept the roots dormant. Another planting of dormant stock has been made, to be followed by 2½" plants in about one week from now. The first Gladioli, planted out about ten days ago, are showing the tips above the soil. More should be planted now, and plantings continued until the middle of June. The sweet Peas sown out in early March haven't grown an inch since the frost laid them, practically, over, on April 23. They have been at a standstill ever since, but their roots are no doubt active and a few warm days will make up for lost time. We are replanting our Helianthus sparsifolius. If left alone they will run all over; in that respect they are worse than Rudbeckia Golden Glow. If you haven't a good stock of the Helianthus it would be best to get some; there isn't anything we have in yellow from July until September which is more useful as a cut flower. You are not forgetting the severe pruning back of the hardy Hydrangeas. In the Spring rush this is liable to be overlooked, but without it small, crippled flower heads will be the result. A good sized truss is what you want, on a long stem. We may want a few for design work, where stem is of no consequence, but the most of them are used for decorative purposes.

The Novelties

We All Should Give At Least a Few of Them a Trial

As with Carnations, Roses or 'Mums, so with the bedding plants. We should all put a few dollars aside each year for the purchasing of new varieties. We all know there are but very, very few which turn out to be worth adding to what we already have but, nevertheless, what could there be more interesting than to watch the new comers. No matter what failure we may experience this year it doesn't seem to take away a particle of the pleasure of looking forward to results in another year. I often think of the long list of Geraniums of which we have watched the opening for the first time, ever since S. A. Nutt was introduced by Uncle John Thorpe, and of the novelties which Bruant and others gave us with the promise of being away ahead of any. I find that S. A. Nutt is still one of the best we have today, and that six varieties are about all the average grower handles. I can't help but come to the conclusion that, after all, we have reached a point in certain lines where, while not by any means near the limit, we find it more difficult to improve on what we have got, at least to any marked degree. But I find it just as interesting to look forward to a set of new ones Lemoine, Bruant or Rozain offers as I ever did. So with the Cannas; quite a number of new ones are offered this year again. If at all interested give them a fair trial, and keep a correct record. We have plenty of room for new comers in the Canna line, more so, to my mind, than in Geraniums. If you find that a variety by the end of the Summer season hasn't in any way shown good points, discard it; but if there are any noticeable, no matter how few, give it another trial. There are men who will not try any novelties until they have proved, in every section of the country, of value, but they number few against the progressive ones who are always ready to invest in practically everything that comes from reliable sources—and don't feel very bad if disappointment should be the result.

Early Flowering Shrubs

These Should Be Pruned Right After Flowering

With most of us in this neighborhood the Lilacs have been a complete failure this year. What the heavy late frost didn't kill outright it blighted to such an extent that the flowers were of no use, and the same holds good with the Spiræa or Bridal Wreath. Spiræa has proved, of late years, a valuable cut flower, but every bud is black and only in a few sheltered places shall we have flowers this season. What I want to call attention to is the pruning of such early flowering shrubs as the two above mentioned ones, also of the Snowballs, flowering Quince, Prunus triloba and others. Many of us have large specimens on our grounds which furnish us with flowers; if any of them need pruning, right after they are through blooming is the time to do this work. If you have tall, lanky plants, don't be afraid to use the shears, for only by a severe pruning can you get them into shapely plants again. A Lilac, in order to do well and bloom freely, wants to be on high land, in a stiff loam, rather poor soil; the plant should be kept free from suckers, and a good pruning right after the plant is through blooming will keep it in good shape, and furnish long stemmed flowers for another year. Over-grown shrubs are such as have been allowed to grow without pruning for a number of years, and on that account they are worthless, like half of the Apple orchards throughout the country—lack of care and attention got them into the state they are in.

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Worcester, Mass.

The first of the May exhibitions of the Worcester Horticultural Society took place May 5, in Horticultural Hall. The number of flowers and vegetables displayed was not so large as had been expected, but those that were shown were of excellent quality and worthy of the attention given them. One of the features of the exhibition was a display of Pansies by George MacWilliams of Whitinsville. The Pansies were arranged on platters surrounded by Asparagus Fern. Mrs. F. W. Hixon displayed several vases of Pansies which were also of good quality. The cut flowers shown were mainly from Leonard C. Midgley of the Worcester Conservatories, and Allyne W. Hixon. The flowers exhibited were Carnations, Roses, Heliotrope, Spiræas, Marguerites, Lilies and Rambler Roses. The best display was that of Mr. Midgley, while that of Mr. Hixon was a close second. Mr. Hixon won first prize in the basket display. His basket was artistically arranged with Carnations, Tulips, Heliotrope and Ferns.

The next exhibition will be on May 19, after which there will be an exhibit every Thursday afternoon.

The present is perhaps the busiest time of the season for Chas. R. Fish & Co., nurserymen on Hawden rd. Mr. Fish's business is so especially good that he has been obliged to retain a large force of men to keep his shrubs and hardy plants in condition. Besides his location in Worcester he has a branch in Providence, which requires a great deal of attention. Mr. Fish's stock is of the best and the large increase of business he has enjoyed is certainly a reward for the quality of goods he has put on the market.

During the past week, the store of H. F. A. Lange has been moved from the old stand at 294 Main st. to a newly and modernly fitted store at 371-373 Main st. During the opening days the windows were handsomely decorated with Roses and Ferns which were sent by other prominent florists, with best wishes for success. The interior as well as the windows was artistically decorated.

L. C. Midgely of the Worcester Conservatories reports business as unusually brisk. Mr. Midgely raises mostly Carnations and Roses, and a few Geraniums and other bedding plants. Out of the seven large houses five are entirely devoted to Carnations, while the other two contain Roses, Sweet Peas and bedding plants. He supplies Harry Grey, of the flower department of the Boston Store, with flowers. At present Mr. Midgley is making plans for the large business of Memorial Day.

W. E. Sargent is still at his old stand at 97 Holden st., catering to his old customers. Perhaps the chief feature of Mr. Sargent's stock is his Pansies, which occupy a large bed in front of his greenhouses. Mr. Sargent is making a specialty of selling Tomato, Pepper and Cabbage plants. Like the rest of the florists in the city Mr. Sargent is planning for a rush on Decoration Day.

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Milwaukee

There has been considerable increase in trade the past week. The cut flower business, especially, was very brisk and prices were unusually firm in all lines. Carnations were selling out clean, ranging from $2 to $4 per 100, with $4 for the extra fancy red and white; some white were sold toward the end of the week at $5 per 100 owing to the extra demand due to "Mothers' Day." This is the first year "Mothers' Day" has been given much publicity by the newspapers and, therefore, we expect in time to come this will make quite an addition to the special days throughout the year when there is a demand for a large amount of Carnations. If the idea is carried out thoroughly there will probably be a heavier demand for white stock on this day than any other day in the year.

Bedding stock up to the present time has been moving somewhat slow owing to the continuous cold nights we have been experiencing in this vicinity, but there are still quite a number of orders booked for later shipment; indications point to a very profitable season in this line, as most all other outdoor stock in flowering bulbs has been frozen this Spring.

It is expected prices will rule much higher than usual this coming Decoration Day as the entire supply, with possibly some Peonies excepted, will have to come from stock grown under glass, and the demand will probably exceed the supply considerably. The shortage of flowers will, no doubt, create a heavier call for blooming plants so it is expected all plant growers will likewise get the benefit of these conditions. C. C. POLLWORTH.

Hybridizing the Gladiolus

Extracted from a paper by H. H. Groff, of Simcoe, Ont., read before the Canadian Growers' Association, at Ottawa, Feb. 10, 1910.

If it has been possible for me, an unknown and untrained man, living in an obscure town and in a country of slandered climate, to bring a semi-tropical plant to Canada, and by means of my primary work secure the publicity and recognition that this work has earned, the opportunity is open to all—and it must be easy.

Let me tell you how I did it. The first years of my experience discovered the unsatisfactory condition of the Gladiolus in America, Great Britain and Europe, where over one hundred years had been spent on its improvement.

After costly proving of existing varieties, securing all possible wild types from botanical collections in Europe and from botanical explorers in Africa (Africa being the best original source in the world), I proceeded to supply the needs of both plant and market by the infusion of lacking characteristics through breeding—no natural fertilization and no pedigree system—but by a definite course of practical work designed for the production of desired results, and that on lines at variance with existing theory and practice. Results, the standard by which man's work is judged, have proved my early conclusions to be correct. I hoped so then, when it took from three to five years to mature the first and each year's work; I know so now.

Interesting Experiences

It will be interesting to record here some striking experiences of scientific interest.

An old type, after years of multiplication and apparent flexity, sported from its scarlet body color to cerise in two seasons; the first included the upper petal and the upper half of each lateral petal; the second completed the process. All special markings remained as in the original, and the variant became a fixed, new type, multiplying true and transmitting its acquired character in crossing.

This instance is more remarkable from the fact that the vital forces normally tend to the vertical rather than horizontal, in proof of which I have noted the independent opening of flowers on each side of the spike, and also the production of red on one side and white on the other of the same spike, the corm dividing at maturity and thus accommodating the two varieties as distinct individuals.

Atavistic tendencies have given me a series that I have classed as "Evolution." Not only do these varieties carry a vine-like tendency of the spike to twist and twine, but many of the flowers resemble the form of the Iris Kæmpferi, a plant of the same natural order. A vase of these spikes gives a decoration two feet in diameter of novel and pleasing effect.

The influence of discontinuous variation in the increase of the petaline element has also given me examples of (twins) twinning from single seeds bred from semi-double flowers. This unique experience proved of great interest to Prof. Bateson of Cambridge, England, a prominent modern biologist, on the occasion of our meeting at the International Plant Breeders' Conference, New York, 1902.

Results Achieved

To close the case for my system of breeding, a few practical experiences will be in order.

My work is now recognized as the leading quality on this continent, my United States representative growing one hundred acres, the largest area of high quality in the world, with storage for over forty thousand bushels. He exports to Europe over half a million of corms annually; and my Canadian representatives have found difficulty in meeting the demands made upon them for years.

The need for light colors was the first practical demand made upon my system of breeding. I have met it for this continent, and in doing so succeeded in producing from complex parentage, bred from species of other colors, the high ratios of 95 per cent. true to the desired colors, with 75 per cent. in quality worthy of retention, and this in thousands of varieties.

My blush hybrids were the first offered in the world, in thousands of varieties, and during the past year they received high commendation from the Royal Botanic Gardens, Kew, England, as also did a new series of high-class yellow shades recently introduced by me, which will fix the world's commercial standard

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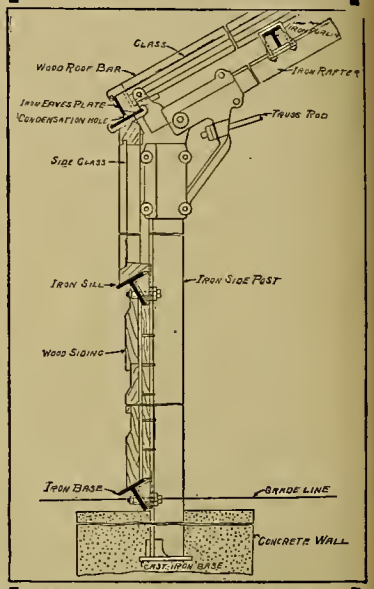

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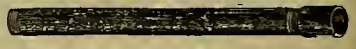

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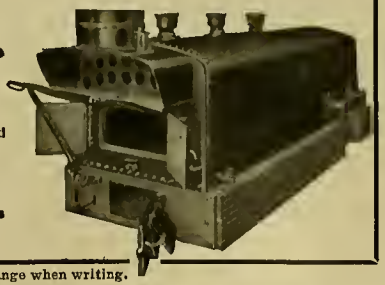

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The Heating of Greenhouses

by a practical heating man, with years of experience, should appeal to you; and he should be the proper man to install this important part of your plant.

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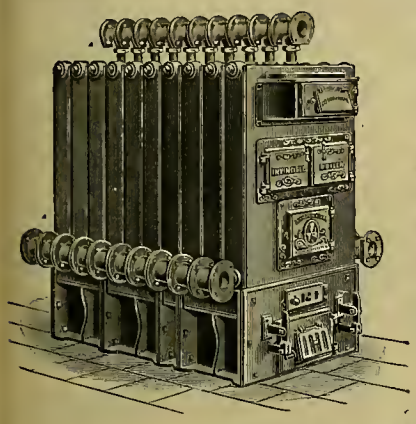

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For Greenhouse heating, Standard Cast Iron Greenhouse Pipe and Fittings

We are Headquarters for all sizes wrought iron pipe and fittings.

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Manufacturer of Floral Metal Designs

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for many years to come; these, too, in thousands of varieties produced in the same ratios of true colors and value as the light section already referred to.

The recent introduction of a new series of dark colors has met with the most gratifying reports from the world's growers, and these will ultimately displace all existing types, even those of my own earlier production.

The foregoing report, covering the range of primary colors in great diversity, closes my evidence as to the practical possibility of breeding for a definite objective—and getting it. The material for such work as the bluish section is not found in this color among the species, as are red, white and yellow, but it is the product of scientific breeding only, a fact which brings us back to that most valuable influence in animate or inanimate life—the seed.

As the above statements refer specially in the first half of my twenty years' work, before I close this rather disjointed address you will naturally expect me to speak of the last ten.

That it has not been necessary for me to continue my free system of dissemination of original seedlings is further evidence of the effectiveness of my practice in breeding, but I regret to add that, owing to the piracies of the commercialism, I have been compelled to reserve my later originations for selection, in self-defence. Selections from all of these newer sections have recently been prepared for introduction, however, in thousands of varieties of such quality as will protect my name and work for this generation at least.

In addition to these, I have registered and numbered a collection of some seventeen hundred varieties, for which I claim the greatest beauty, quality, and diversity of coloring in the whole range of modern floricultural development.

A Tribute to Canada

The variety named "America" by its purchaser and introducer was sold by me in collections for many years before its last merited publicity. It was used for the decoration of President Roosevelt's yacht "Mayflower" during the Japan-Russia Peace Conference, a tribute to Canada which I much appreciate.

I have stated that Africa has given us the most useful species in the world on which to build our work of improvement, although they are weeds when compared with their Canadian offspring. It has been my privilege to send many of my new hybrids to the dark continent, and this return of advanced types to the original habitat of their race gives an interesting example of the romance of modern progress and the revolutionizing influence of good seed.

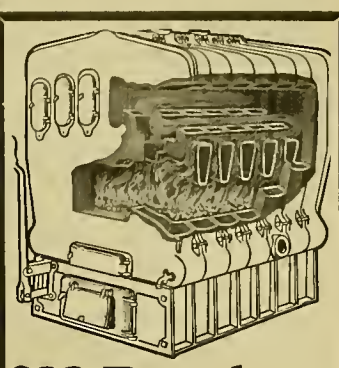
Detroit

Very heavy rains, followed by frost, kept supply at low ebb with prices firm, wholesale as well as retail. Many wholesalers assert that these rains have put the ground in such poor working condition as will ultimately cause delay in planting out.

Boxwoods and other out of door plants are selling well, and all signs point to a good old-time busy Spring.

George Rackham is meeting with great success in his lectures on horticulture to schoolchildren; they all seem to be very eager to learn, and many and varied are the questions he has to answer.

FRANK DANZER.



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The Burnham has the longest fire travel of any Cast Iron Sectional Boiler. A long fire travel makes a short coal bill.

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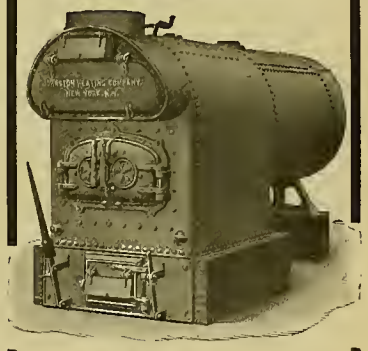

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By Peter Bissat. Price, postpaid, $2.60

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We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.

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The Greenhouse Question is an Important One

You can't possibly get away from the fact that it is absolutely essential to best results in growing—the best grower in the world could not make a hotbed answer as a greenhouse and get a first class crop. It is true that the greenhouse is not as important as a good grower, but it is necessary to have both of them first class if you expect to make a profit. The question as to the style of house, the kind of materials to be used, the location, etc., are questions that must be settled by every man that builds a greenhouse. If you are puzzled on anything relating to greenhouse construction we will be glad to help you in any way we can. Why not get one of our catalogs?—Just send your name and tell us what you have in mind.

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Our catalogue will get you to thinking about it. Sent on request.

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Roller-bearing, self-oiling device, automatic atop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

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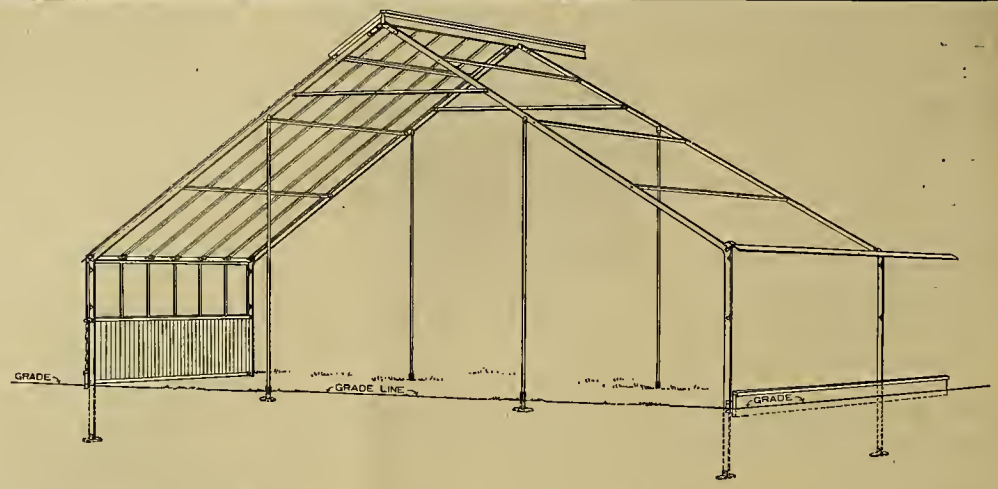

A SECTION OF OUR SECTIONAL IRON FRAME HOUSE
AND ITS VITAL CONSTRUCTION POINTS

The illustration shows you four things.

1. That a section of our house is a group of framing members made by placing the iron rafters and posts 8 feet 4 inches apart, and connecting them by the purlins and galvanized eave plate.

No matter how wide the house, these sections remain the same length. Each section is *entirely self-sustaining and complete in itself*. The house is made up of a series of complete sections built up much as a child puts block after block along in a row.

2. From the right hand half of this section you can see exactly what the principal iron framing members are, and how light the frame is, considering the fact that this is a section for a house 40 feet wide.

3. From the left hand side you see the other half of the section with the small amount of cypress that is used, all in place. Now you begin to appreciate *just* why it is the extremely light house it is.

4. But quite the most vital thing of all which this section shows to you, is that any construction the roof of which is supported by *side posts only*, especially in the wider houses, is like a house of cards; if any weakness develops in any member down the whole pack goes.

Such must inevitably be the case with houses not employing columns at frequent enough intervals for properly supporting the roof.

Our Sectional Iron Frame House must then be the logical house for the logical buyer. Write us.

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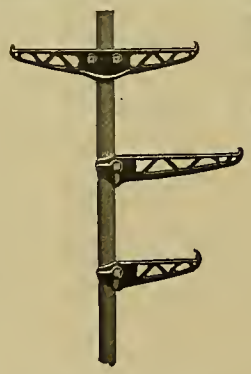

Extra Bench Room

Economy in space, out of the way, easy to reach. When buying SHELF BRACKETS get the best. Quickly set up, no slipping or tilting, designed for STRENGTH and DURABILITY, but no bulky or clumsy affair.

SHELF BRACKETS—NET PRICES
Made for ¾ in. to 2 in. pipe
12 in. single - - 18c. each. 8 in. single - - 14c. each. 8 in. double - - 20c. each
Remit small amounts in stamps or Money Order.
When ordering give size of pipe posts

OUR VENTILATOR MACHINERY Saves, Sash—Labor—Money. Bulletin No. 22 tells you about it.

"ASK THE MAN WHO HAS ONE" ABOUT

King Iron Frame Greenhouses

No other type of greenhouse construction has been received by the trade with such flattering approval. Houses of this type, either in the course of construction or erected, cover many acres in the United States, England, Germany and France. Let us talk to you about it.

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Memorial Day is almost here—You should order Memorial Designs now. Our supply is unsurpassed in quality and quantity.

METALLIC DESIGNS in every style suitable for Memorial Day Celebrations. Every Design we send out is true to nature in foliage and flower. All designs are ornamented with roses, carnations, forget-me-nots and other flowers as desired. Special designs on hand and made to your order, which include Pillows, Anchors, Wreaths, Crosses, Gates Ajar, etc. IMPORTED MAGNOLIA LEAVES, Green and Brown, for all occasions; CYCAS WREATHS and SHEAVES; FANCY IMPORTED WREATHS, etc.

FANCY BASKETS OF ALL KINDS FOR JUNE WEDDINGS and COMMENCEMENTS. Fancy Lace Bouquet Papers for weddings and all other occasions. Chiffon in all the Flower Shades. Immortelles and Cape Flowers in all Colors.

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We are a straight shoot and aim to grow into a olgorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 21 NEW YORK AND CHICAGO, MAY 21, 1910 One Dollar Per Year

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Nephrolepis Bostoniensis

(BOSTON FERN)

Large plants, 10-in. at $3.00 and $4.00 each; 12-in. at $5.00 and $6.00 each; and larger specimens, $7.50 to $10.00 each—according to size.

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	Doz.	100
CANNAS. Finest sorts, strong plants, 3½-in. pots, Beaute de Poitevine, Buttercup, Souv. d'Antoine Crozy, Pierson's Premier and Florence Vaughan	$1.00	$6.00
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2¼-inch pots, $7.00 per 100; 3-inch pots, $12.00 per 100; 4-inch pots, $20.00 per 100.

DRACAENA INDIVISA

4-inch pots, $1.80 per doz., $12.00 per 100; 5-inch pots, strong plants, $25.00 per 100.

CANNAS

Gladiator. Green foliage, yellow flower, spotted with red.
Wyoming. Bronze foliage, red flower.
Louisiana. Green foliage, red flower.
Assorted Cannas. Good standard varieties.
The above in 4-inch pots, $1.00 per dozen, $8.00 per 100.

Asparagus Plumosus Seedlings

$1.00 per 100, $10.00 per 1000.

Asparagus Sprengeri Seedlings

50 cents per 100, $5.00 per 1000.

SMILAX

2¼-inch pots, $2.50 per 100, $20.00 per 1000.

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Will Cut for Memorial Day 100,000 Roses

All this stock will be shipped from my store, 2 Park Street, Boston; and there placed on sale; $4.00 per 100, our selection. Prefer to have you come and see the stock and pick out just what you want.

ASPARAGUS

Strings and Bunches, always on hand.

W. H. ELLIOTT

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CANNAS—CANNAS

We have 200,000 fine strong plants in 3-in. pots in the following kinds; **Jean Tissot, Pres. Myers, Pennsylvania, Buttercup, Louisiana, Egandale, Florence Vaughan** and **Alph. Bouvier** at 75c. per doz., $3.00 per 100, $25.00 per 1000; not less than 25 of a kind at hundred prices.

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L'ELEGANTEA, variegated-leaved Ivy Geranium, leaves margined white, silver-white single flowers, a rare and beautiful thing as a Hanging Basket plant. We have a splendid stock in 3-in. pots at $1.00 per doz., $5.00 per 100.

SILVER-LEAVED S. A. NUTT, leaves edged white, habit of growth, freedom of bloom, color and appearance of flower very similar to the S. A. Nutt, $1.00 per doz., $5.00 per 100.

GERANIUMS, Standard Varieties, $2.00 per 100, $18.50 per 1000; 1000, fifty each of 20 varieties, our selection, $18.50.

	2-in. Per 100	2-in. 1000	3-in. 100
AGERATUM, Blue and White	$2.00	$18.50	$3.00
CENTAUREA, Gymnocarpa	2.00	18.50	3.00
CINERARIA, Maritima Candidissima	2.00	18.50	3.00
APPLE GERANIUMS	2.00	18.50	4.00
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COLEUS, Golden Bedder, Verschaffeltii and others	2.00	18.50	3.00
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FUCHSIAS, six varieties	2.00	18.50	3.00
LEMON VERBENA	2.00	18.50	3.00
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PETUNIAS, Dreer's Superb Single	2.00	18.50	3.00
VERBENAS, Red, White, Pink and Purple	2.00	18.50	3.00
SWAINSONA, alba	2.00	18.50	3.00
HARDY IVY	2.00	17.50	
SALVIA, Bonfire and Zurich	2.00	17.50	

ASTERS, Vick's Early and Late Branching, select colors, strong transplanted plants. 2-in., $2.00 per 100, $18.50 per 1000.

DAHLIA PLANTS, from 2-in. at $2.00 per 100 up; for $18.50 cash, we will send 1000, 50 each of 20 distinct varieties including Show, Decorative and Cactus.

Cash with Order. Visitors Always Welcome.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

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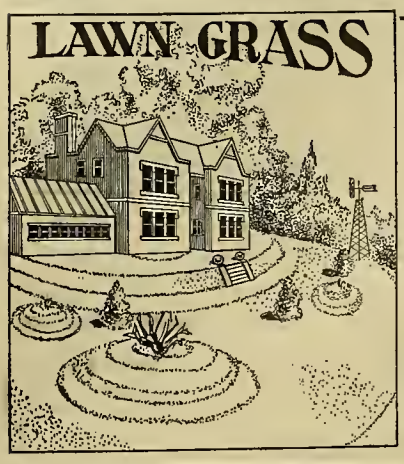

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Put up in handsome lithographed packages. Pints, $4.00 per 100. Quarts, $7.00 per 100.

Rustic Hanging Baskets

	Each	Per doz.
10 inch bowl	$1.10	$11.00
12 inch bowl	1.25	13.00
14 inch bowl	1.50	16.00

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Order now and be sure to grow this year

Rawson's Gold Medal Chinese Primulas

Without doubt the finest strain in the country

We offer the following colors: Pure White, Brilliant Pink, Deep Blue, Crimson, Salmon, Bright Christmas Red, and White with Red Eye; also a wonderful mixture at the price of:

Per Hundred seeds, 50c.; thousand seeds, $4.00

The proper time to sow Primulas is during the month of May, so please do not delay in ordering.

W. W. RAWSON & CO., Seedsmen
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KENTIA SEED For Immediate Delivery

	Per 100	1,000	10,000
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Cocos Weddelliana	1 00	7 50	70 00
Areca lutescens	1 00	7 50	70 00
Latania Borbonica	30	2 50	20 00

	Per 100	1 000	10,000
Livistona rotundifolia	$2 00	$17 50	
" Chinensis	1 00	7 50	$70 00
Phoenix Canariensis	30	3 00	27 50
Phoenix Roebelenii	1 00	7 50	
Musa Ensete	1 00	7 50	

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KENTIA SEED New Crop. Just received from Australia

	Per 1000 seeds
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5 cases, of 150	**Album** 8/10	15.00
4 cases, of 160	**Album** 9/10	20.00
8 cases, of 150	**Album** 9/11	18.75
1 case, of 125	**Album** 9/11	15.75
6 cases, of 100	**Melpomene** 11/13	11.00
2 cases, of 30	**Magnificum** 16/18	15.00
6 cases, of 160	**Rubrum** 9/10	12.50
8 cases, of 150	**Rubrum** 9/11	12.00
4 cases, of 80	**Rubrum** 11/13	10.00
2 cases, of 60	**Rubrum** 13/15	12.00
1 case, of 120	**Rubrum** 9/11	9.50
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IMPROVED CHINESE

Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 600 seeds, $1.00; 1000 seeds, $1.50; half pkt., 50c. Have the varieties separate, also.

PRIMULA Kawansie, the grand, new, sweet-scented, Yellow Primrose, pkt. 25c.

CINERARIA Finest large-flowering dwarf, mixed, 1000 seeds, 50c.

GIANT PANSY The best large flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c.; oz., $2.50. 500 seeds of Giant Mme. Perret Pansy Seed added to every $1.00 pkt.

CASH. Liberal extra count.

We can please you.

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Paper White Narcissus
Roman Hyacinths
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Tulips and Narcissus

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Assorted Sizes—Fresh

25 lb. lots at 8c. a lb., 100 lb. at 7½c.

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Try The Following

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CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
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Flower Seeds, Market Garden and Field Seeds, all kinds of Tender and Hardy Plants, Tuberoses, Dahlias, Gladioli, Small Fruits.

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AT THESE PRICES

ELEPHANT EAR BULBS

Clean, sound stock, with center shoots.

	Per 100	Per 1000
5-7 Inches in circumference	$0.75	$6.00
7-9 " "	2.00	15.00
9-11 " "	3.00	25.00
11 Inches and up	5.00	

200 Bulbs at 1000 Rate

GLOXINIAS

	Per 100	Per 1000
Giant Mixed	$3.00	$25.00

JOHNSON SEED CO.

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CALADIUM esculentum, Fancy Caladiums from Brazil.
GLADIOLI, all sorts. Japan IRIS. Japan LILIES.
Double-flowering CHERRIES.
Send for our new Spring list.

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Palmetto and Argenteuil, 2 years old, $3.50 per 1000; 10,000 for $30.00. 1 year old, $2.25 per 1000; 10,000 for $15.00.
We make this offer for two weeks only.

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CHERRY TREES, $20.00 per 100.
QUINCE TREES, $22.00 per 100.
APPLE TREES, $17.00 per 100.
All the above are ¾-in., Extra.
RED RASPBERRIES, $10.00 per 1000.
BLACK RASPBERRIES, $9.00 per 1000.

Jos. H. Black, Son & Co.
Hightstown, N. J.

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	Per 100	1000
BEET PLANTS	$0.20	$1.25
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EGG PLANTS	.40	2.00
LETTUCE PLANTS, Grand Rapids, Big Boston, Boston Market and Tennis-Ball, 10,000 and over at 85c. per 1000	.20	1.00
PEPPER PLANTS, Bull Nose, Sweet Mountain and Ruby King.	40	2.00
TOMATOES, Small Plants of Earliana, Early Jewel, Dwarf Stone, Champion, Ponderosa and Matchless	.30	2.00
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ADVANCE ORDERS NOW TAKEN FOR CHOICE GRADES OF

Seven-Top Dixie Frost King Prize Taker

Now in full pod on Bloomsdale Farm. Special prices on application.

Plants from this Seed of hardy Northern breed, very superior to the less hardy Southern type stand any amount of snow and ice without injury.
The Seed will be harvested about the 20th of June and ready for shipment about the 1st of July.

D. LANDRETH SEED COMPANY

Also KALE—Dwarf German, $20 per 100 lbs.
Siberian . . . 18 per 100 lbs.

BRISTOL, PENNA.

Please mention the Exchange when writing.

FRESH MUSHROOM SPAWN

ENGLISH AND AMERICAN

VAUGHAN'S SEED STORE

CHICAGO — 84 Randolph Street
NEW YORK — 25 Barclay Street

Please mention the Exchange when writing.

Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C.

Trade Mark American Spawn Co., St. Paul, Minn.

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS
SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

Tuberoses SPECIAL OFFER

DWARF DOUBLE PEARL, $1.00 per 100, $7.50 per 1000.

WEEBER & DON
SEED MERCHANTS and GROWERS
114 Chambers Street NEW YORK

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

Please mention the Exchange when writing.

HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Seasonable **Seeds** for the Florists

H. E. FISKE SEED CO., Boston, Mass.

S. M. ISBELL & CO.

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Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

SCHLEGEL & FOTTLER CO

BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

AMERICAN SEED TRADE ASSOCIATION

President, J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard H. Vaughan, Chicago. **28th Annual Convention at Atlantic City, N. J., June 21, 22 and 23.**

IMPORTS, ETC.—May 10.—A. Walbrach, 124 tubs Laurel trees; McHutchison & Co., 46 cases plants, 4 tubs Laurel trees; Kennedy & Moon, 58 tubs Laurel trees; Rooney & Spence, 12 tubs Laurel trees; P. C. Kuyper & Co., 18 tubs Laurel trees, 11 cases plants; Hussa & Co., 24 tubs Laurel trees, 15 cases plants; Vaughan's Seed Store, 17 cases plants; Smith & Boltzenthal, 15 cases plants; J. Ter Kuile, 50 tubs Laurel trees, 29 cases plants; E. Kohl, 16 tubs Laurel trees; Maltus & Ware, 105 packages plants and trees, 2 live plants. May 12.—H. Nungesser & Co., 39 bags Clover seed. May 16.—P. C. Kuyper & Co., 56 tubs Laurel trees, 8 cases plants; E. Kohl, 1 case plants; Lunham & Moore, 20 tubs Laurel trees, 3 cases plants; Rooney & Spence, 6 tubs Laurel trees; C. B. Richard & Co., 7 cases plants; J. Ter Kuile, 10 cases plants; Wadley & Smythe, 8 cases plants; A. Walbrach, 114 tubs Laurel trees, 3 cases plants; L. A. Kirsling, 1 box plants; Maltus & Ware, 172 cases living plants, 36 cases Orchids; J. M. Thorburn & Co., 1 bag flower seed.

European Notes

At last the mystery is solved and today we learn the true cause of the inclement weather which has afflicted Europe in its western section during the past twelve months or more and which it appears will continue indefinitely. A learned meteorological professor, Dr. Bassett, states that from hydrographic observations made at various stations he feels confident that the Gulf Stream drift is late again this year, and until it arrives in a warmer and saltier condition than last year the inclemency at present existing will most probably continue.

From all of which it is evident that there has been considerable neglect of duty on your side, and the writer very humbly suggests that the free seed staff would be much more profitably employed in clearing away the obstructions which are proved to exist in the channel of the Gulf Stream. It has been irreverently suggested that the "immortal Theodore" could render his country valuable service in this respect, but the effete monarchies in Europe are so thoroughly enjoying the presence of a "live man" in their midst that they will not readily allow him to depart.

Putting joking aside, conditions are really very serious. One of the largest growers in Provence writes early in the present month: "The frost on April 1

The reputation of a grower is made by the quality of the flowers he markets. A good reputation is invaluable to a successful grower. Market returns are influenced by reputation. Any man with ordinary common sense knows that bulbs of good value are not cheap. That's why Horseshoe Brand Lily Bulbs are not the cheapest. They are good though, and worth the money and then some. They are produced from the choicest seed-bulbs in the world and will average better per thousand bulbs than any other brand on the market. Write us or call.

RALPH M. WARD & CO.

12 West Broadway—New York

"Not How Cheap— But How Good"

Please mention the Exchange when writing.

I Sell Aphine
I Sell Privet
I Sell Everything for the Florist and Private Trade

C. McTAGGART

Seedsman and Florist
123 Warren St. (Near West St.)
NEW YORK
Telephone, 2019 Cortlandt
Correspondence Solicited

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Prices Advertised in these Columns are for THE TRADE ONLY

GRANDEST COLLECTION of ASTERS EVER OFFERED

100 Named Varieties, one plant each of every variety, $1.25; ½ doz. of each variety, $5.00; one doz. of each variety, $7.50.

Queen of the Market, Late Branching, Comet, Chrysanthemum Flowered, Peony Flowered, Victoria and Ostrich Plume, in the different colors, separate, 40c. per 100, $2.50 per 1000, $20.00 per 10,000, $1.75 per 100,000.

ASTERS IN GRAND MIXTURES

Mixture No. 1. A superb Florists' Novelty Mixture including all the best cut-flower varieties from the earliest to the latest, furnishing flowers the entire season through, 60c. per 100, $3.25 per 1000, $30.00 per 10,000, $250.00 per 100,000.

Mixture No. 2. This is strictly a Florists' Mixture of standard varieties, not one objectionable variety in the lot, 35c. per 100, $2.00 per 1000, $18.00 per 10,000, $150.00 per 100,000.

National Co-Operative Show Gardens
SPENCER, INDIANA
Please mention the Exchange when writing.

ASTER PLANTS

Queen of the Market, Perfection, Ostrich Feather, all in best mixed colors; late branching, in white, pink and lavender, strong and stocky, ready to plant out, at $2.50 per 1000; 500 at 1000 rate, 5000 lots at $2.00 per 1000.

SWEET WILLIAM (Double), fine, strong, one year old plants, $1.00 per 100, $8.00 per 1000.

GUSTAV PITZONKA, Bristol, Pa.
Please mention the Exchange when writing.

ASTER PLANTS

Queen of the Market, Perfection, Comet, all in best Mixed Colors; Late Branching, in white, pink, lavender and crimson, all stocky plants, fine for planting out, $2.50 per 1000.

CALADIUM Esculentum, 6 to 8 in. circumference, $1.50 per 100.

CANNAS, best named kinds, $2.00 per 100.

IMPERIAL SEED & PLANT CO.
Grange, Baltimore, Md.
Please mention the Exchange when writing.

FLORISTS' ASTERS

Field-grown—Separate colors

CREGO, White, Shell-Pink and Rose.
SEMPLE'S, Purple and Lavender.
QUEEN OF THE MARKET, Mixed Colors.
$2.50 per 1000 by express;
60c. per 100 by mail.
Cash with order.

A. & G. ROSBACH, Pemberton, N. J.
Please mention the Exchange when writing.

Peacock's
PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.
Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.
Please mention the Exchange when writing.

I still have a few field-grown
DAHLIA CLUMPS
in surplus as follows:

100 Kriemhilde .....$6.00 per 100
600 Maid of Kent..... 5.00 per 100
100 Twentieth Century ..... 6.00 per 100
200 Lyndhurst ..... 6.00 per 100

We are booking orders now for Fall delivery. Write for complete list.

J. MURRAY BASSETT, Hammonton, N. J.
Please mention the Exchange when writing.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

did not completely destroy everything, but the bad time still continues; the strong wind is very cold and although we are in the month of May we have the same temperature as in February. I think therefore that the harvest will give very little product." Farther north the growers all tell the same story, hailstorms, biting winds and bitterly cold nights, with only a very few bright intervals.

Outdoor work is terribly hampered as it is not possible to cultivate the heavy soils.

As a result, quite a mild panic has seized some of the more ambitious of the smaller seedsmen who, in their anxiety to blossom into fully developed wholesalers, overloaded themselves with indifferent goods at famine prices and now have them left on their hands. Last season's seeds are dear at any price unless they can be sown at once, otherwise a good profit could very easily be made by buying from the special offers which are now current.

The flower seed trade, which is practically finished for the present season, has been fairly satisfactory as a whole and, so far as the popular hardy annuals are concerned, much in advance of last year. Trade in all branches is reviving, the ranks of the unemployed lessen every day and there is money to spare for the furnishing of the cottagers' and artisans' gardens. Such easily grown annuals as Virginian Stock are hardly obtainable and the huge surplus of Nasturtiums has been brought within reasonable limits. Some very prominent Sweet Pea specialists in England denounce the trade as "rotten," but so far as the cheaper varieties and the mixtures are concerned the sales have been well above the average. All that is now wanted is a good season to bring them to their old time perfection.

By the death of R. Wilson Ker, V. M. H., Liverpool, on May 2, England loses one of the most highly esteemed members of the nursery trade. He was well known to many on your side and was highly popular with all. Of late years his firm had made a special feature of Hippeastrums and at the Brussels International Show, which closed on May 3, they exhibited about 160 plants in flower, and in spite of the damage done to the plants in transit they were awarded five first prizes.

As no further steps have been announced in connection with the recent bribery case, which was decided in favor of the defendants, it is doubtless intended to let the matter drop. The nature and source of the information leaves no other course possible.

EUROPEAN SEEDS.

American Notes

Trade Continues Brisk

The retail counter business with the seedsmen still continues quite brisk and will do so, until well after Memorial Day. Sales of nursery stock are very nearly over, although the comparatively cool weather since the month came in has made very late shipments possible this year. Bedding and vegetable plants are selling in large volume. There has, as a rule, been considerable re-planting of tender sorts, such as Egg and Tomato plants, the early settings of which in many sections were killed by the late frosts, which even now seem not wholly past. It would seem as if warmer and growing conditions could not now be far away. The cool weather has, however, certainly had the effect of lengthening out and keeping a steadier retail counter trade than otherwise would have been the case. There will be a very active trade in flowering and bedding plants with the seedsmen from now until after Memorial Day, and certainly every succeeding season has seen a larger business done in this line. Some seedsmen still prefer not to handle plants at all, but while, of course, there is a great amount of labor attached to so doing, still this line, apart from its own sales, does most surely lengthen out materially the selling season for seeds proper. The past week has seen the end of the night work for this season, much to the relief of all concerned, and surely it has been the most strenuous Spring that the seed trade, as a whole, has ever experienced.

Turnip Seed Sales

For the next two months the sales of Turnip seeds of the various popular varieties will be a feature. The quick-growing sorts can be sown right up to even August, but it should be remembered that the Ruta-Baga varieties need to be planted for best results not much later than the middle of June, as they require a much longer season for the fullest development than the earlier sorts of Turnips. As with other vegetables, there is a long list of Turnips, but some three or four of the most called for varieties will suffice to supply the general trade demands. Odd and little called for sorts your seedsman will furnish, at short notice, as the orders require. In quick-growing, early flat Turnips, the Purple Top Strap-Leaved is the most popular of all, and a good supply of the seed should always be carried in stock. The same may be said of the Purple-Top White Globe Turnip, a variety much grown for both market and home use. In quality, it is of the best and in appearance very handsome. In Ruta-Bagas—also called Swedish, Swedes, or Russian Turnips—two good varieties will be enough to please most customers. The Improved American Purple Top Ruta-Baga is the standard yellow fleshed variety, both for table use and stock feeding; this sort is known in different sections by varying names, but your seedsman will supply you with a selected strain of seed of this best yellow Ruta-Baga. There is also a white-fleshed variety of these large Winter Turnips, known as Large White French, Sweet German or White Rock. This sort also grows very large and is of most superior, mild flavor. It is the famous Swede Turnip that is grown on Cape Cod, Mass., and is known throughout the East as the Cape Cod Turnip. Outside of these four described sorts you will not need to carry a stock of seed for the general run of sales; and of the above in the Ruta-Baga Turnips the yellow variety will be found most in demand.

Memorial Day Plant Sales

Those seedsmen who have recently added plants to their other lines, should not lose sight of the main feature of the Memorial Day demand for plants, which, of course, is that all plants be in full bloom as far as possible. It is a well-known and established fact that a plant in full bloom will bring its price readily, when a better grown specimen without bloom will be practically unsalable; and this applies with particular force to the plant sales for Memorial Day. V.

New York Seed Trade

Trade in all lines holds on remarkably well with the seedsmen, and those firms who carry flowering and bedding plants are expecting a good Memorial Day trade in the same.

The comparatively cool weather here, as all over the country, has kept the trade steady right along. There have been no great rushes but the total sales continue satisfactory. The above sums up pretty well the conditions here this week.

James McHutchison of McHutchison & Co., 17 Murray st., returned a few days since from his annual European trip.

Rickards Bros. have this season devoted more attention than ever before to their plant department and are very much pleased with the results. The coming week they will make special offers in this line for Memorial Day.

Harry A. Barnard, representing Stuart Low & Co., Enfield, Eng., arrived last Friday on the Cunard S. S. Lusitania, for his annual trip among the seed trade.

The retail counter sales with the Barclay and Cortlandt sts. seedsmen are holding on well, particularly in the line of vegetable and bedding plants. Memorial Day trade bids fair to be good with all of them.

Arthur T. Boddington reports a particularly good demand for hardy perennial flower seeds. This house has for several seasons been increasing its trade most materially along this line.

Almost all our seedsmen report that their customers complain that the recent quite heavy frosts in this vicinity have killed or injured many tender plants, especially tomato plants.

Boston Seed Trade

The Ames Implement & Seed Co., Quincy Hall, who have been famous for their high-grade implements and tools, and which took over the Haskell Seed Co. at the opening of the year, report that they have retained all the latter's customers and added many new ones to their list this Spring. They are immensely pleased and encouraged with the business they have done; their intention is to carry the highest grades of seeds obtainable and to give the best attention to their customers by keeping the most experienced salesman obtainable.

J. BOLGIANO & SON
WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS
BALTIMORE, MD.
Please mention the Exchange when writing.

ASPARAGUS PLUMOSUS NANUS
NEW CROP
100 Seeds..... $0.50 500 Seeds..... $2.00
1000 Seeds $3.50
Our Flower Seed Catalogue free on application
THE MOORE SEED CO., 559 Market Street PHILADELPHIA, PA
Please mention the Exchange when writing.

We Would Announce the Opening of Our New Store
"BUDS"
76 Barclay St, NEW YORK
HIGH GRADE SEEDS BULBS and PLANTS
CARL R. GLOECKNER, Pres.
Please mention the Exchange when writing.

HEADQUARTERS FOR
GLADIOLI
and Other Bulbs
JOHN LEWIS CHILDS
FLORAL PARK, N. Y.
Please mention the Exchange when writing.

Gladioli
Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck and Pactole.
LILIES, IRIS, CINNAMON VINES and other bulbs for Spring planting.
Send for prices.
E. S. MILLER
WADING RIVER, LONG ISLAND, N. Y.
Please mention the Exchange when writing.

General Dutch Bulb Growers' Society at Haarlem, Holland

At the recent meeting at Haarlem, Holland, of the Narcissus and Tulip committees, the following awards of merit were made:

NARCISSUS GLORY OF WASSENHAAR.—A large flowering yellow variety with broad trumpet, somewhat darker than the pale colored perianth. B. Snelderwaard, Wassenhaar.

NARCISSUS GLORY OF HAARLEM.—A golden yellow trumpet Daffodil; trumpet of erect habit with elegantly bended border, and broad, finely formed perianth. E. H. Krelage & Son, Haarlem.

NARCISSUS CHANTECLER.—A new variety with large clear citron-yellow colored trumpet. E. H. Krelage & Son, Haarlem.

SINGLE EARLY TULIP, ORANJE BOVEN.—A new, dark orange-colored variety, resembling the well-known variety, Prins von Oostenrijk. J. C. van der Leek, Noordwijk.

HEADQUARTERS FOR CYCAS STEMS

Sago Palm (Cycas Revoluta)

A MONEY MAKER FOR THE FLORIST

STRONG, HEALTHY TRUNKS. 25 lbs. for $2.25; 100 lbs., $8.00; 300 lbs., $22.00.

"VAPORITE"

Vaporite is a gray non-poisonous powder which, when it comes into contact with soil, gives off a vapor. This vapor kills all underground insects such as Wireworms, etc. Vaporite is for soil application—not for the leaves of the plant. Vaporite should be uniformly distributed on the surface or in the soil among the insects, so that the gas evolved may destroy them. 1 to 1½ lbs. is enough for a cubic yard of soil (about 1 cart load). 50c. per 5 lbs., 25 lbs., $1.50; $2.75 per 50 lbs.; per 100 lbs., $5.00.

Write for our Wholesale Catalog, it will interest you

HENRY F. MICHELL COMPANY, 10th and Market Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

CANNAS Extra strong, from 4-in. pots, **$1.00** per doz., **$8.00** per 100. Satisfaction guaranteed. Fine assortment.

BRANT BROS., Utica, N. Y.

Please mention the Exchange when writing.

CANNAS—SAGE—PERIWINKLE

CANNAS, out of 3-in. pots, nice plants of Bouvier, Vaughan, Crozy, Italia, Queen Charlotte, and many others, at 4c.; King Humbert, 8c.; all true to name.

SAGE, 3-in., 3c.; 4-in., 6c.

PERIWINKLE, 4-in., 8c.; 2½-in. 3c.

Also BEDDING PLANTS in good variety.

CHARLES ZIMMER, West Collingswood, N. J.

Please mention the Exchange when writing.

Canna Plants

750 Charles Henderson } 35 plants in a flat.
750 Alphonse Bouvier } $1.50 per flat.
These Cannas were grown in the flats.

VINCAS

400 Vincas, 3½ inch pots, $8.00 per 100.

QUIDNICK GREENHOUSES

J. H. Coshing, Prop., Quidnick, (Anthony P. O.) R. I.

Please mention the Exchange when writing.

CANNAS

10,000 Allemania, strong, dry roots, $1.26 per 100, $10.00 per 1000.
Mixed Cannas, all colors, strong, dry roots, $1.00 per 100, $8.00 per 1000.
Canna Plants, strong, well started plants, all the best varieties, from $1.50 per 100 up, according to variety and quantity. Send us a list of your wants, and we will quote you on same.

Frank Cummings Bulb & Plant Co.

Canna Growers, MERIDIAN, MISS.

Please mention the Exchange when writing.

READY NOW

250,000 SUPERB STRAIN

PANSIES

Fall transplanted pansies in bud and bloom. A trial order will convince you that our Superb Strain is the best you have ever handled. $1.25 per 100; $10.00 per 1000. Cash with order.

	Per 100
SALVIA, fine stock, from 3½-inch pots	$5.00
GERANIUMS, fine stock of the popular varieties, from 3½-inch pots	6.50
DRACAENAS, from 5-inch pots, $3.00 per dozen.	
FORGET-ME-NOT, large clumps	4.00
LOBELIA (Double)	6.00

Leonard Cousins, Jr.

Concord Junction, Mass.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Philadelphia Seed Trade

The allurement of the warm April weather enticed many gardeners into planting their Beans, Sugar Corn and even Melons. A large percentage of these seeds have in many cases decayed instead of germinating. Some of the planters acknowledge their mistake, and get wisdom out of their experience. Others blame the weather, and still others, unreasonably, cuss the seedsmen. These people are now buying over again. This and the natural sales of the season in the seed line, and the sale of vegetable and flowering plants, lawn and garden utensils keeps every seed store at the present writing almost uncomfortably busy.

Henry A. Dreer is offering, in 6-in. pots, some extra strong climbers of the following kinds: Aristolochia Sipho, or Dutchman's Pipe Vine, Akebia quinata, both of which ought to be planted much more freely than they are, and Ampelopsis Engelmanni, a new variety with green leaves, which clings more tenaciously to the wall than the Virginia Creeper, and grows faster than Ampelopsis Veitchii; also climbing Hydrangeas for growing against a tree or wall, which need no tying.

Michell's Seed House at 518 Market st. is displaying a well-built line of rustic benches, chairs, window boxes, and bird houses; also of horse and hand-lawn mowers.

The Henry F. Michell Co. is offering the first potted Aster and Cauliflower plants noted this season. This company is making an attractive window display of every conceivable implement for use on the lawn, and in the garden.

The Moore Seed Co. reports that its largest present sales are in Field and Sugar Corn, Millet, and Beans.

The Stokes' Seed Co. is offering some extra good Pepper and potted Egg-Plants.

The Johnson Seed Co., by reference to its books finds that its sale of Fordhook Bush Lima Beans is heavier than ever before, and that it is fully 25% in excess of the sale of all kinds of Pole Limas. In the four years in which this house has sold Cyphers incubators and outdoor brooders sales have never been as many as this year.

The Iron Age M'f'g. Co. is offering through the seed stores a very useful "crop label." A flat, galvanized iron standard about 10 in. long and sharpened at the lower end is surmounted by a 3 in. by 4 in. galvanized iron frame, attached by one edge to the standard at an angle of about 45°. In this frame is slipped a piece of cardboard, bearing the words "Name, Variety, Fertilizer, Planted, Matured." A space to be filled in is left after each of these words, and a piece of mica is slipped in over the cardboard to keep off the rain. If both amateur and market gardeners would use these sensible and durable labels they would secure a valuable reference record without the use of memorandum book.

FRESNO, CAL.—At a small meeting of Farmers' Union members held in Fowler, May 6, the opening gun was fired in a campaign which the California Farmers' Union, Inc., is to carry on for the purpose of erecting a central seeding house. The new plant is to be used by all Farmers' Union packing houses in this section for seeding their goods and when built it will be the only house where Farmers' Union goods will be seeded.

Wholesale Seedsmen's League

On Thursday, May 5, a meeting of the board of directors of the League was held in accordance with a call issued under the direction of F. W. Bruggerhof, president of the League, the object of the meeting being to discuss the conditions prevailing as to the growing seed crops of the biennial families, plants of which were raised last Midsummer and Autumn, 1909, for the production of a seed harvest this Midsummer, 1910. The directors present were Messrs. Bruggerhof, Breck, Burpee, Buist, Wood, Willard, Rice represented by Mr. Hunt, Landreth, and in addition to the eight directors there were present two guests, these being E. E. Bruggerhof and Burnet Landreth, Jr. H. L. Holmes of Harrisburg, Pa., a resigned member, was reelected to membership. Lester L. Morse of San Francisco was reported as having complied with the requirements for membership.

While the League meetings in the past have been generally held four or five times a year, it was considered best to fix three dates for stated meetings, and the dates decided upon were the first Wednesday in October, the last Tuesday in November, and the first Wednesday in May. Special meetings to be held at any time at the call of the president.

Transparent Envelopes for Seed Packets

The subject of postal regulations as respects semi-transparent seed packets was discussed and the following statement was directed to be issued:

Concerning his recent interviews in Washington with the Third Assistant Postmaster General, Mr. Burpee, Chairman of the Committee on Postal Affairs, reported strongly in favor of the seed trade generally complying with the rulings of the Post Office Department as to using transparent paper.

The Third Assistant Postmaster General and Mr. Bacon both emphasized the fact that it would be a great mistake to further agitate the question just now when Congress is so opposed to special privileges (and seeds enjoy one-half the postage rate of other fourth-

500,000 PANSIES BEST MARKET STRAIN GROWN

Grown from seed of our own raising, this strain is the result of over 25 years' careful selection and for size, form and substance and wide range of color in clear, brilliant self's and novel shades and markings, they will be found unsurpassed. The colors are very evenly assorted and the growth is very strong and stocky. Fall transplanted plants ready to bud and bloom.
Price $10.00 per 1000. Larger Sizes $15.00 and $20.00 per 1000.
EXPRESS ONLY CASH WITH ORDER

I. E. COBURN, - 291 Ferry Street, - EVERETT, MASS.

Please mention the Exchange when writing.

Pansy Plants

Large plants in bloom, $1.25 per 100, $10.00 per 1000; smaller plants that will bloom soon, at $2.00 per 1000.
DAISIES (Bellis), FORGET-ME-NOT, in bloom, $1.50 per 100, $12.50 per 1000.
CINERARIAS, 4-in., bud and bloom, $5.00 per 100.
STOCKS and DUSTY MILLERS, 2½-in. pots, $2.00 per 100, 300 for $6.00.
CABBAGE PLANTS, ready for field, $1.25 per 1000, 5000 for $5.00.

J. C. SCHMIDT

BRISTOL, PA.

Please mention the Exchange when writing.

PANSIES

GIANT YELLOW PANSY PLANTS, with dark center, in full bloom, $1.25 per 100, $10.00 per 1000. Mixed Colors, all sold.
Cash with order.

PETER BROWN, 124 RUBY STREET Lancaster, Pa.

Please mention the Exchange when writing.

PANSIES

Stocky, heavy rooted, Spring transplanted; fine strain in bud and bloom, every plant a good one, $2.50 per 1000 to close out. Eden's Royals, finest cut flower and exhibition Pansies, 80c. per 100, $6.00 per 1000.
FORGET-ME-NOTS, hardy, everblooming, blue, white and pink; strong little clumps, $1.00 per 100.
DRACÆNA Indivisa, 3-in., $4.00 per 100.

EDEN NURSERIES, Port Allegany, Pa.

Please mention the Exchange when writing.

ROEMER'S SUPERB PRIZE PANSIES

The finest strain of Pansies in the World. Introducer and Grower of all the Leading Novelties. Highest Award, at Manoheim 1907. Catalogue free on application.

FREDRICK ROEMER

Quedlinburg, Germany.

Please mention the Exchange when writing.

PANSIES

Fine cold-frame plants, in bud and bloom; $1.25 per 100.
PANSY Snow Queen, pure white, large plants in bud and bloom, $1.25 per 100.
PANSY SEED, finest mixture, $1.00 per pkt. of 4000 seeds, $5.00 per oz.
Cash with order.

E. B. JENNINGS, Lock Box 254 Southport, Conn.

Grower of the Finest Pansies

Please mention the Exchange when writing.

Bedding Plants

Cannas from 4-inch pots, in the following varieties: A. Bouvier, Mme. Crozy, Souv. de A. Crozy, Chas. Henderson, Gladiator and Shenandoah, price $8.00 per 100 or $70.00 per 1000. King Humbert, $15.00 per 100.

Alternanthera Brilliantissima Strong bushy plants, from 2¼-inch pots, price $3.00 per 100 or $25.00 per 1000. Yellow and Pink, $20.00 per 1000.

Coleus Verschaffeltii and Golden Bedder; also Assorted Varieties, price $2.50 per 100 or $20.00 per 1000

Heliotrope Dark blue, from 3 inch pots, price $4.00 per 100.

Salvias In varieties, from 3-inch pots, price $4.00 per 100, from 2¼-inch pots, $2.50 per 100 or $20.00 per 1000.

Dracaena Indivisa Strong plants, 7-inch at 75c. each, 8-inch at $1.00 each. Smaller sizes at 35c. and 50c. each.

Ageratums Dwarf blue from 2¼-inch pots, price, $20.00 per 1000.

GARDENIAS

SCOTT'S FAMOUS VEITCHII STRAIN

Strong, established plants from 3-inch pots, ready for a shift into 5's, or for planting in the bench.

Prices on Application

JOHN SCOTT

Rutland Road and East 45th Street, BROOKLYN, N. Y.

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ROSES

Own Root, Fine Stock

White Killarney, 2¼-in., $1.60 per doz., $8.00 per 100. Chatenay, Carnot, Kaiserin, Killarney, Perle, Richmond, Sunrise and Sunset, $6.00 per 100. Bride, Bridesmaid, Golden Gate and Uncle John, $4.00 per 100; 3-in. pots, $7.00 per 100, $60.00 per 1000.

GRAFTED, Fine Stock

My Maryland, 3-in., $18.00 per 100. Bride, Bridesmaid, Carnot, Chatenay, Enchantor, Golden Gate, Kaiserin, La France, Mrs. Jardin, Rhea Reid, Uncle John, Wootton, strong 1 year, grafted, 3-in. pots, $15.00 per 100; strong 1 year, own root, $8.00 per 100. This stock is fine for planting outside.

VERBENAS

Mammoth, in bud and bloom, $3.00 per 100.

CHRYSANTHEMUMS

Mrs. Clay Frick, Golden Dome, Golden Glow, Mlle. A. Laurent, Money Maker, White Shaw, Yellow Eaton. Rooted Cuttings, $2.00 per 100, $16.00 per 1000.

A. J. Balfour, Autumn Glory, Ada Spaulding, Cullingfordii, Dr. Enguehard, Dorothy Devene, Early Snow, Glory Pacific, Harry May, H. W. Reiman, Ivory, Jeanne Nonin, J. E. Lager, J. K. Shaw, Maud Dean, Meta, Mrs. Jerome Jones, Miss Alice Byron, Mrs. Baer, Mrs. R. McArthur, Maj. Bonnaffon, Nagoya, Polly Rose, Riverside, Robt. Halliday, Timothy Eaton. Rooted Cuttings, $1.60 per 100; 2¼-in. pots, $3.00 per 100, $25.00 per 1000.

CANNAS

From 3½-in. pots, 30 fine varieties, $6.00 and $8.00 per 100.

MISCELLANEOUS PLANTS

Ready for Immediate Sales.

	Size Pots	100
ANTIRRHINUMS	2¼	$3.00
ALYSSUM	2¼	3.00
ACHYRANTHES, 6 sorts	2¼	3.00
ABUTILON Savitzii	3	6.00
AGERATUM Blue and White	2¼	3.00
AGERATUM, Blue and White	3½	4.00
ALTERNANTHERA, Red and Yellow	2¼	3.00
AMPELOPSIS Veitchii	3	8.00
ASPARAGUS Sprengeri	2¼	4.00
ASPARAGUS Plumosus	2¼	4.00
ASPARAGUS Plumosus	3	6.00
BEGONIA Erfordi, Pink and White	2	3.00
BEGONIA Crimson Bedder	2	4.00
BEGONIA Flowering Sorts	3	6.00
BEGONIA, Flowering Sorts	3½	8.00
CUPHEA Platycentra	2¼	8.00
COLEUS, All leading sorts	2¼	3.00
COLEUS, All leading sorts	3	4.00
DRACAENA Indivisa	6	26.00
FEVERFEW, Double White	2¼	3.00
FORGET-ME-NOTS	2¼	3.00
FUCHSIAS, Dble and Single	2¼	3.00
FUCHSIAS, Dble and Single	3½	7.00
GERANIUMS, Dble and Single	3½	7.00
Special Varieties	3½	8.00
Double and Single	2¼	3.00
Ivy-leaved, Double	3½	8.00
Fragrant Rose, etc.	3½	8.00
Fancy-leaved	3½	8.00
HYDRANGEA Otaksa, 6 to 6 flowers, $1.00 each; 3 to 4 flowers, 75c. each.		
HELIOTROPE, Light and Dark	2¼	$3.00
Light and Dark	3½	6.00
IMPATIENS Sultana	2¼	4.00
IVY, GERMAN	2¼	3.00
LANTANAS in variety	3	5.00
LOBELIAS, New Double Blue	2¼	4.00
LOBELIA, New Double Blue	3	6.00
MOONVINE, True White	2¼	4.00
MOONVINE, True White	4	10.00
PETUNIAS, Dreer's Single Fringed	2¼	3.00
SALVIAS, Splendens and Bedman	4	6.00
Splendens and Bedman	2¼	3.00
New Early Flowering	2¼	4.00
SMILAX, strong	3	3.00
STEVIA compacta	2¼	3.00
STEVIA Variegata	2¼	3.00
TRADESCANTIA	2¼	3.00
SWAINSONA alba	2¼	4.00
TROPAEOLUM, Double	2¼	4.00
VINCAS, Variegata and Elegans	3	6.00
Variegata and Elegans	4	10.00
VIOLETS, Marie Louise, R. C.		1.60

Send for Catalog.

WOOD BROTHERS, FISHKILL NEW YORK

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class matter) and when there is so much discussion as to second-class matter. The Third Assistant Postmaster General was most courteous and seemed disposed to be as liberal as possible in his interpretation of the word "transparent," in permitting the use of any paper that is not so opaque as to conceal character of contents of sealed packages. Quarts and pounds can be put up in opaque paper bags if only tied (not sealed) or in cartons, without sealing.

This ruling of the Department is in no sense new, as the P. L. & R. under which it is made has stood for more than twenty years. Previously, however, the rulings have been only in individual cases and the subject has not before been made one of national scope.

Suggestive Values of 1909 Seeds

The subject of values was discussed very exhaustively, the secretary presenting a tabular statement embodying a digest from letters and cables received from Europe within the past two weeks, regarding the seed crops of biennials to be harvested from plants grown last year and to ripen their seed in Midsummer of 1910.

After the reading of letters and cables confirmatory of the secretary's brief and other letters from other sources, the board concluded that the seeds of crop 1909 now unsold were certainly of very greatly enhanced values. After much discussion the following rates were offered as suggestive of what in the opinion of the board, under a conservative view of the situation, should be considered the actual value of 1909 seeds on hand at this present moment. In the opinion of the board the values are very likely to be higher:

	Per single lb.	10 lbs.
TURNIP.		
Strap Leaf Red Flat	$0.25	$0.20
Strap Leaf White Flat	.25	.20
Large Early Red Top Globe	.28	.26
Aberdeen	.22	.20
Amber Globe	.25	.22
Cow Horn	.32	.30
White Egg	.30	.28
Purple Top Swede	.22	.20
BEET.		
Egyptian	.40	.35
Crosby's	.45	.40
Crimson Globe	.50	.45
Eclipse	.45	.40
Edmund's	.40	.35
Detroit	.45	.40
Columbia	.45	.40
Early Blood Turnip, Red	.40	.35
Dewing	.40	.35
CABBAGE.		
Early Jersey Wakefield	1.85	1.75
Charleston Wakefield	1.85	1.75
Early Winnigstadt	1.35	1.25
Henderson's Early Summer	1.25	1.15
All Seasons	1.25	1.15
Henderson's Succession	1.50	1.35
CARROT.		
Golden Bell or Forcing	.60	.55
Early Scarlet Horn	.50	.45
Oxheart	.50	.45
Danvers	.50	.45
Chantenay	.50	.45
Half Long Scarlet	.50	.45
Long Orange	.45	.40
St. Valery	.45	.40
Coreless	.45	.40
SPINACH.		
Round Savoy	.15	.13
Prickly	.15	.13
Long Standing	.15	.13
Victoria	.15	.13
Viroflay	.14	.12
Flanders	.14	.12
All Seasons	.15	.13

It will be noticed the board only passed on values of seed of biennial families. Varieties of the same families unnamed, of course, are equally enhanced in value consequent upon the diminished harvests in sight. BURNET LANDRETH, Sec.

Kentia Palm Seeds

At the recent meeting of the Australian Nursery Association, a warm discussion took place on the recent rise in prices of Kentia seeds. Mr. Cheeseman moved—"That this Conference expresses dissatisfaction with the arrangement made by the New South Wales State officials for the distribution of Palm seeds from Lord Howe Island, whereby authority has been given to leaseholders and contractors to combine together to raise the price of seeds and control the output generally, which combine has raised the prices of seeds 650 per cent. over the prices ruling before the combine was initiated."

At one time the price was 8/- to 10/- a bushel, but now it had gone up to nearly £3, a rise of 650 per cent.

On the other hand, it was argued that before the trade was organized and controlled, the islanders were at the mercy of buyers who paid starvation prices, so that though Lord Howe's Island had a monopoly of the supply, the inhabitants were reaping miserable returns for their labors. The motion was finally passed, and a deputation appointed to wait upon the minister responsible or the government of the island.—*Horticultural Advertiser.*

SEASONABLE PLANTS

DRACÆNA Indivisa, 4-in., $10.00 per 100.

CANNAS, Pennsylvania, $1.50; A. Bouvier, $1.60; Austria, $1.25; Italia, $1.76; B. Beauty, $2.50; Egandale, $1.50; Marlborough, $2.00; America, $1.26; D. Harum, $2.00 per 100.

HYDRANGEA Paniculata grandiflora, 2 to 3 ft., $10.00; 18 in. to 24 in., $6.00 per 100.

PRIMULA Obconica, 2-in., $1.60 per 100; 3-in., $4.00 per 100; 4-in., $6.00 per 100.

GERANIUM, Ricard, 2-in., $2.00 per 100.

ASPARAGUS Sprengeri, 2-in., $2.00 per 100 Plumosus, 2-in., $2.00 per 100.

ENGLISH IVY, R. C., 75c. per 100; var. R. C., 75c. per 100.

FERNS, Scottii, 5-in., $20.00 per 100; 6-in., $35.00 per 100.

J. H. DANN & SON
Westfield, N. Y.

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200,000 First Class Plants

All Fine Stock—Sure to Please

GERANIUMS, in bud and bloom, Nutt, Buchner, D. Grant, Poitevine, strong 3½ to 4-in., $6.00 per 100; extra 6-in., 2-6 branches, $8.00 per 100.

CANNAS, VINCA Variegata, LEMON VERBENAS, strong, 4-in., $5.00 per 100. Extra heavy LEMON VERBENAS and VINCAS, $6.00 per 100. Mme. Salleroi GERANIUMS, stocky, 3-in., $2.60 per 100. GERMAN IVY, Dreer's Single-flowered PETUNIAS, in bloom, $3.00 per 100.

COLEUS, $1.50 per 100, $14.00 per 1000. SALVIAS, in bloom, strong 3-4 in., $3.00-$4.00 per 100; $26.00-$35.00 per 1000. Cash. DRACAENA Indivisa, 6-in., 25c. each.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

BEDDING PLANTS

SWEET ALYSSUM — GERMAN IVY
AGERATUM — CANNAS
HELIOTROPE — ZINNIAS
2½-in., $2.00 per 100.

HELIOTROPE, 4-in., $5.00 per 100.
VINCA Variegata, 4-in., $10.00 per 100.

CANNAS

King Humbert — Duke of Marlborough
Souv. de Ant. Crozy
4-in., $6.00 per 100.

FERNS

Boston, 4-in., $10.00 per 100.
Whitmani, 6-in., $4.00 per dozen.
KENTIA Belmoreana, 4½-in., 35c. each.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

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Bargains In Pot-Grown Plants

Ready for market at once.

ABUTILONS, 3½-in., 6 varieties, in bloom, $6.00 per 100.

AGERATUM, Blue or White, 2½-in. pots, strong plants, $2.00 per 100; Rooted Cuttings, 75c. per 100.

ALYSSUM Large Giant or Little Gem, 2½-in., $2.00 per 100.

BEGONIA Vernon, in bloom, 3-in., $6.00 per 100.

BEGONIAS, Flowering, 8 fine varieties, 4-in., in bloom, $10.00 per 100.

CANNAS, Large-flowering, any color, 20,000 from 4-in. pots, fine stock, $6.00 per 100.

COLEUS, Golden Bedder, Verschaffeltii, or decorative varieties, from 2½-in. pots, $2.60 per 100.

FUCHSIAS, Storm King, Little Beauty, or 8 varieties mixed, in bloom, 4-in., $8.00 per 100.

FUNKIAS, variegated (Day Lily), $6.00 per 100.

GERANIUMS, 30,000 from 4-in. pots, fine plants, in bloom, of 10 Standard Varieties, $7.00 per 100.

HELIOTROPES, 4-inch, 3 kinds, fine plants, $8.00 per 100.

MARGUERITES, 4-in., in bloom, $6.00 per 100.

PANSIES, Fine Varieties Mixed, transplanted plants, $1.25 per 100.

HARDY PHLOX, of 6 leading varieties, field-grown clumps, $4.00 per 100.

PRIMULA OBCONICA, fine plants, full of bloom, mixed colors, 4-in., $6.00 per 100.

SALVIAS, Bonfire, strong plants, from 2½-in. pots, $2.60 per 100; 3-in., $3.00 per 100.

SMILAX, large plants from 2½-in. pots, $2.00 per 100.

VERBENAS, Fine Mixed Colors, in bud and bloom, 2½-in. pots, $2.00 per 100.

DUSTY MILLER, fine 4-in. plants, $5.00 per 100.

CABBAGE and TOMATO PLANTS, $2.00 per 1000, any varieties.

TOMATO PLANTS, extra large transplanted, $6.00 per 1000.

LETTUCE PLANTS, 5 kinds, $1.25 per 1000.

BEET PLANTS, $1.25 per 1000.

PEPPER PLANTS, 6 kinds, $7.50 per 1000.

Also all other kinds of Vegetable Plants by the thousand. Write me for special prices. A 1 Plants only. Liberal count given to help pay the express. Try them.

ALONZO J. BRYAN

Wholesale Florist, Washington, New Jersey

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VOLUME 1 NUMBER 4

BODDINGTON'S STORE NEWS

SATURDAY, MAY 21st, 1910

PUBLISHED EVERY NOW AND AGAIN

Remember you may deduct 5% if cash accompanies order.

Hardy Perennial Seeds, Etc., for Sowing NOW

	Tr. pkt.	Oz.
Acanthus (Bear's Breech) latifolius	$0.10	$0.26
Achillea (Yarrow)		
Ptarmica fl. pl., "The Pearl"	.25	3.00
Aconitum (Monk's Hood, or Helmet Flower)		
Napellus	.10	.50
Napellus fl. albo	.25	2.50
pyrenaicum	.25	1.26
Wilsoni	.36	
Adonis (Ox-eye) vernalis	.10	.25
Agrostemma (Rose Campion)		
coronaria (Mullein Pink)	.10	.25
coronaria atropurpurea	.10	.25
coronaria bicolor	.10	.25
coronaria alba	.10	.25
Flos-Jovis (Flower of Jove)	.10	.25
Flos-Jove alba	.26	.75
hybrida Walkeri	.26	1.50
Alstromeria Chilensis	.25	1.00
Alyssum argenteum	.10	.20
saxatile	.10	.25
saxatile compactum (Basket of Gold)	.10	.35
Anchusa Italica (Dropmore variety)	.35	
Anemone (Windflower)		
St. Brigid	.26	1.75
fulgens	.30	
Apennina	.35	2.00
Anthemis (Marguerite) Kelwayi	.10	.50
Aquilegia (Columbine)		
Californica hybrida	.25	1.00
Canadensis (Canada Columbine)	.15	.75
chrysantha	.15	.75
chrysantha grandiflora alba	.25	1.26
cærulea (Rocky Mt. Columbine)	.25	
glandulosa	.25	2.50
Helenæ	.25	2.25
nivea grandiflora	.10	.25
Skinneri hybrida fl. pl.	.10	.50
Erskine Park Hybrids, selected	.25	1.00
Stuarti	.35	
Arabis (Rock Cress) alpina	.10	.40
Artemisia (Old Man) argentea	.10	.50
Asclepias (Butterfly Weed) tuberosa	.25	1.50
Asperula (Sweet Woodruff) odorata	.10	.50
Aster (Michaelmas Daisy)		
alpinus speciosus	.25	1.75
alpinus superbus	.26	1.50
Bessarabicus	.25	1.60
nivens	.25	1.60
Novæ-Angliæ	.25	1.76
Novi-Belgii	.25	1.50
Novi-Belgii, J. Wood	.25	2.50
Novi-Belgii, Purity	.25	2.50
pyramidalis hybridus	.25	1.50
Shortii	.25	2.00
subcœruleus	.25	2.50
Townshendii	.25	3.00
Astilbe Davidii	.35	2.50
Aubrietia (False Wall Cress)		
deltoidea grandiflora (trailing)	.35	
Græca (trailing)	.25	2.25
Leichtlinii	.50	
Mœrheimii	.50	
Auricula Alpine	.25	
Baptisia (False Indigo) Australis	.10	.25
Bocconia (Plume Poppy) Japonica	.10	.25
Boltonia (Chamomile) asteroides	.25	1.50
latisquama	.25	1.00
Campanula (Bellflower)		
Carpatica compacta	.15	.75
Carpatica alba	.15	.75
calycanthema Rose	.26	1.25
calycanthema alba	.25	1.25
calycanthema Blue	.25	1.00
calycanthema, Mixed	.26	.75
glomerata (Clustered Bellflower)	.15	.75
Media (Canterbury Bells), Double White	.25	1.00
Media, Double Lavender	.26	1.00
Media, Double Blue	.25	1.00
Media, Double Rose	.25	1.60
Media, Double Mixed	.15	.75
Media, Single Rose	.15	.75
Media, Single Blue	.10	.60
Media, Single White	.10	.60
Media, Single striped	.10	.60
Media, Single Mixed	.10	.40
Media, imperialis	.25	
Media, Rosy Carmine	.25	2.60
persicifolia grandiflora	.25	
persicifolia grandiflora alba	.25	

Campanula—Continued.	Tr. pkt.	Oz.
persicifolia grandiflora, Mixed	$0.25	$1.50
persicifolia grandiflora Mœrheimii. Finest Double White	.50	
pyramidalis (Chimney Bellflower)	.10	.50
pyramidalis alba	.10	.50
pyramidalis compacta	.25	1.00
pyramidalis compacta alba	.25	1.00
Cassia (Wild Senna) Marylandica	.10	.35
Catanonche cærulea	.10	.36
Centaurea montana	.15	
montana alba	.35	
Chrysanthemum (Moonpenny Daisy)		
maximum, Shasta	.25	1.50
maximum, Princess Henry	.25	1.00
maximum, Triumph	.26	.75
maximum, King Edward VII	.25	1.00
Clematis (Virgin's Bower)		
Davidiana	.25	1.00
paniculata	.10	.50
Coreopsis grandiflora (true)	.10	.25
lanceolata	.25	1.00
Delphinium (Larkspur)		
elatum hybridum (Bee Larkspur)	.10	.50
elatum cœlestinum	.15	.76
formosum	.15	.75
formosum cœlestinum	.25	2.00
Chinense	.10	.30
Chinense album	.10	.30
Zalil	.40	
Erskine Park Hybrids, Mixed	.15	2.00
Digitalis (Foxglove)		
gloxiniæflora alba	.10	.25
gloxiniæflora lilacina	.10	.25
gloxiniæflora purpurea	.10	.25
gloxiniæflora rosea	.10	.25
gloxiniæflora lutea	.10	.25
gloxiniæflora, Mixed	.10	.25
lanata	.10	.50
maculata Iveryana	.10	.50
purpurea alba	.10	1.00
purpurea rubra	.10	1.00
purpurea rosea	.10	.50
purpurea, Mixed	.10	.75
Doronicum (Leopard's Bane)		
Cancasicum	.25	
Echinops (Globe Thistle) Ritro	.10	.25
Erigeron speciosus grandiflorus	.35	
Eupatorium (Thoroughwort)		
Fraseri	.10	.50
ageratoides	.10	.50
Gaillardia (Blanket Flower)		
grandiflora vera	.10	.40
grandiflora maxima	.10	.60
kermesina splendens	.25	1.76
sulphurea oculata	.25	1.00
Finest Mixed	.10	.50
Kelway's New Hybrids, Mixed	.25	
Galega officinalis	.10	.26
officinalis rosea	.15	.75
officinalis alba	.10	.60
Gypsophila (Baby's Breath)		
acutifolia	.10	.25
repens	.25	.75
paniculata	.10	.25
Incarvillea Delavayi	.35	
Helenium (Sneeze-wort) autumnale	.15	.75
autumnale superbum	.25	2.50
Bigelowii	.25	2.00
Hoopesii	.10	.75
Helianthus (Sunflower)		
Maximiliani	.25	1.00
Heliopsis (Orange Flower)		
Pitcheriana	.10	.60
Hesperis (Sweet Rocket)		
matronalis Purple	.10	.25
matronalis White	.10	.25
matronalis Lilac	.10	.35
matronalis nana candidissima	.25	.80
Heuchera (Alum Root) sanguinea	.25	2.00
splendens	.25	2.50
Hibiscus (Marshmallow)		
Crimson Eye	.10	.60
moscheutos roseus	.10	.30
Golden Bowl	.10	.50
Hollyhock (Mallow)		
Chater's Apple Blossom, Chater's Blood-red, Chater's Bright Pink, Chater's Canary-Yellow, Chater's Crimson, Chater's Golden Yellow, Chater's Lilac, Chater's Peach Blossom	.25	2.50

Hollyhock—Continued.	Tr. pkt.	Oz.
Chater's Rose, Chater's Salmon, Chater's Scarlet, Chater's Snow-White, Chater's Mixed	$0.25	$2.50
Allegheny Mixed, Fringed	.15	.75
Single Finest Mixed	.15	.75
Lavendula (Lavender) vera	.10	.30
Lathyrus (Everlasting Sweet Pea)	.10	.25
latifolius, Pink Beauty	.10	.25
latifolius roseus	.10	.25
latifolius albus	.10	.25
Mixed	.10	.25
Liatris (Blazing Star)		
scariosa præcox	.25	
Linum (Flax) perenne	.10	.25
Lobelia (Cardinal Flower)		
cardinalis	.25	
fulgens, best Hybrids	.50	
fulgens, Queen Victoria	.50	
cardinalis, Boddington's Improved	.25	
syphilitica	.25	1.50
Lupinus (Lupine) arboreus	.15	.75
arboreum (Snow Queen)	.26	.75
Nootkatensis	.26	
polyphyllus roseus	.26	1.25
polyphyllus, Mixed	.10	.25
Lychnis (Campion) Chalcedonica	.10	.25
fulgens	.25	1.00
Haageana	.15	.75
viscaria splendens	.10	.36
Meconopsis Cambrica	.25	
Monarda (Oswego Tea, or Bee Balm) didyma	.25	
Myosotis (Forget-me-not) alpestris	.10	.50
alpestris, Eliza Fonrobert	.10	.60
alpestris, Victoria Dwarf	.20	1.26
dissitiflora	.26	
palustris	.25	1.60
palustris grandiflora	.25	2.00
palustris semperflorens	.25	2.00
Royal Blue	.25	1.00
Boddington's Pot, 3 pkts for $1.25	.50	
Œnothera (Evening Primrose)		
Fraseri	.20	1.60
fruticosa major	.10	.50
fruticosa Youngii	.25	
Lamarckiana	.05	.20
Missouriensis (macrocarpa)	.25	1.00
rosea Mexicana	.20	.75
taraxacifolia alba	.20	.75
Papaver (Poppy) alpinum, Mixed	.25	
bracteatum hybridum	.20	.75
bracteatum Livermere	.25	1.50
involucratum maximum	.10	.35
nudicaule (Iceland Poppies) Mixed	.10	.50
orientals, Blush Queen	.25	2.60
orientale, Brightness	.25	1.50
orientals, Brilliant	.15	.75
orientale, Colosseum. Brilliant deep scarlet; immense flowers, 7 to 7½ in. across	.50	
orientale, Goliath	.25	2.50
orientale, Grand Mogul	.25	1.50
orientale, Mammoth. Bright scarlet flowers, borne on stems 4 feet in height	.35	
orientale, Parkmanii	.25	1.50
orientale, Prince of Orange	.25	1.60
orientale, Royal Scarlet	.25	1.25
orientale, Salmon Queen	.26	1.75
orientale, Trilby	.26	1.75
orientale hybridum	.25	2.60
Pentstemon (Beard-Tongue)		
barbatus Torreyi	.10	.25
Digitalis	.10	.25
Hartwegii grandiflorus	.25	
pubescens	.10	.25
Phlox (Flame Flower)		
decussata, newest hybrids	.25	
Physalis (Chinese Lantern Plant)		
Franchetti	.10	.75
Platycodon (Chinese Bell Flower)		
Mariesii	.10	.50
Mariesii album	.10	.75
Polyanthus (Primula elatior)		
Blue	.50	
English (selected strain)	.25	2.00
Gold-laced, extra choice	.60	2.00
Giant White	.60	
Giant Yellow	.50	
Giant Crimson	.50	
Giant Mixed	.60	
Polyanthus Primrose (Bunch-flowered). Large-flowered, Mixed	.50	

	Tr. pkt.	Oz.
Primrose, Large-flowered	$0.25	
English (Primula vulgaris)	.25	
Primula cortusoides amœna (Sieboldi)	.50	
denticulata	.25	
denticulata alba	.25	
denticulata Cashmeriana	.25	
frondosa	.25	
Japonica, Mixed	.25	
rosea	.25	
Sikkimensis	.25	
Veitchii (new)	.75	
Pyrethrum hybridum, Single	.25	$0.75
hybridum fl. pl.	.50	
uliginosum	.25	1.25
Rudbeckia (Cone Flower)		
Neumannii	.25	1.50
purpurea Echinacea	.25	
laciniata	.10	.50
Rocket (Sweet)	.10	.25
Scabiosa Caucasica (Hardy Blue Scabious)	.25	1.50
Stokesia cyanea (Hardy Blue Aster)	.25	
Statice (Sea Lavender)		
iacana hybrida nana	.10	.25
latifolia	.20	.75
Sinensis	.20	.75
Sweet William		
Boddington's auricula-eyed, Dark Crimson, Pure White, Scarlet, Maroon, Red, Violet, Finest Mixed Single	.10	.50
Boddington's Giant Double, Finest Mixed	.25	1.00
Double Rose	.25	
Newport Pink	.25	
Tritoma (Red-Hot-Poker; Flame Flower). New sorts, Mixed	.60	
Tunica (Tunic, or Coat Flower) saxifraga	.10	.25
Valeriana (Spurred Flower)		
montana	.25	
rubra	.10	.25
rubra fl. alba	.10	.25
coccinea	.10	.25
Veronica (Ironweed) spicata	.10	.50
Viola (Tufted Pansies)		
cornuta alba	.25	1.50
cornuta Papilio	.20	1.00
cornuta, Perfection	.25	1.00
cornuta, Purple Queen	.25	1.00
cornuta, White Perfection	.25	1.50
cornuta lutea	.20	.50
cornuta lutea splendens	.20	.75
cornuta, Mixed	.25	.75
odorata (Sweet Violets)	.25	
Wahlenbergia (Japanese Bell Flower) grandiflora	.10	.50
grandiflora alba	.10	.50
grandiflora alba plena	.25	.75
grandiflora cærulea plena	.25	.75
Wallflower, Single, Mixed	.10	.30
Double, Mixed	.25	2.25

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Boddington's Matchless Giant Scarlet.
Boddington's Matchless Giant Royal Blue.
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Boddington's Double Crimson.
Boddington's Double White.
Boddington's Double Mixed.
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Transplanted.

18 to 24 in...$1.00 each, $80.00 per 100
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2 yr., cut back, extra heavy.

3 to 4 feet..$4.00 per 100, $35.00 per 1000

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Seedlings.

3 to 5 inches.....$8.00 per 1000
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Grown on own roots, kept in cold houses during the Winter, now coming into bud and just right for outdoor planting; General Jacqueminot, Gruss an Teplitz, Clothilde Soupert, Crimson Rambler, etc., 6-in pots, $35.00 per 100.

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Pres. Carnot, Clothilde Soupert, Richmond, La France, Louis Phillipe, Gruss an Teplitz, Gen. Jacqueminot, etc., 5-in. pots, $25.00 per 100.

CRIMSON RAMBLERS FOR GROWING ON, 2½-in. and 3-in. Rose pots, $4.00 per 100.

HYDRANGEA Otaksa, for growing on, 2½-in. pots, $4.00 per 100, $36.00 per 1000.

HARDY ENGLISH IVY, 3-in. pots, 2 leads, 12 to 24 inches long, $8.00 per 100.

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40,000 VERBENA PLANTS, 2¼-inch pots, $20.00 per 1000

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer. **25th Annual Convention at Denver, June 8, 9 and 10.**

Castanea Americana One of the most important trees of our forests is the Castanea Americana, the Sweet Chestnut. As a useful timber tree it is not excelled by any other one of the great number our forests contain. The wood is coarse grained, but it is strong, elastic, light and very durable and for fence posts its excellence has been known since the earliest days of the settlement of the country. Where the forests are still unbroken, in a measure, and where land is cheap, the post and rail fences are almost altogether of this Chestnut, and a new fence of it is good for 20 years, with a little repairing now and again.

Regarding the nuts of this tree, they are far superior to the one known as the Spanish, or Italian. While not as large a nut they are far sweeter, in fact, those accustomed to eating the native one, Americana, do not care to eat the European.

As to the proper name of this Chestnut, the authorities give us a choice. An old work before me gives it simply as Castanea vesca, the same name as the European species; another one gives it Castanea sativa, a later name for the European; while still a third work has it C. sativa var. Americana. We propose to hold to the C. Americana, as, even if the botanical distinctions between the two are slight, the whole character of the tree in leaf, fruit and habit of growth is so different from the other that a traveler along a roadside could tell whether a Chestnut at some distance away was a native or a foreign species.

Castanea Americana. American Sweet Chestnut

Besides its merits in the way described, as an ornamental tree it has a good reputation. Standing alone on a lawn, or in a meadow, it is a pleasing object. Our illustration is of such a tree. It stands alone in what was a meadow, but is now a newly formed lawn.

It is well known among woodsmen that when a Chestnut is cut down it starts afresh with three or more shoots, and this is what the tree before us has done. But, although it is a second growth tree, as these are called, it shows a typical growth as much as it would do were it but of a single trunk.

A great deal of attention has been given of late to the planting of Chestnuts for fruiting purposes. Because of their large sized nuts varieties of the Spanish species have been planted, but it is certain that if large sized plants of the native kind were planted—and there are varieties of this with large sized nuts—it would be more profitable in the end. What every one wants is a large nut, and of the best quality. Quality, the Castanea Americana has; we now want large sized nuts.

Bechtel's Double-Flowered Crab One of the handsomest of the small trees that flower in Spring is the Bechtel's Double-Flowered Crab, a variety of the Western Wild Crab, Pyrus Ioensis. There does not seem to be the fragrance to the flowers as is noticeable in those of the common Wild Crab, Pyrus coronarius, but it is unsurpassed in the way of beauty when it is in flower. The blossoms are in small clusters, such as Apple flowers are, and whether in bud or fully expanded there is no tree, large or small, that is so ornamental. The flowers are pink in the buds and, unlike some pink-colored ones, they do not turn to white when unfolded, but remain a good pink almost to the end. The quality of being double, too, is not so in name only; the flowers are very double, and with this and their large size they look not unlike clusters of pink Roses.

Though easily increased by either budding or grafting on common Apple stocks, there seems no great stock of it in nurserymen's hands. It is another instance of the many years it takes for a good thing to be so well known that every owner of a garden wants one.

Crape Myrtles Answering a friend's inquiry as to whether the Crape Myrtle could be considered a hardy shrub in Philadelphia, we told him no, not in the general sense applied to a hardy shrub. Here and there one is met with occasionally, and in the extreme southern part of the State a few large ones are to be seen, the owners simply tying the branches close together in Winter, so that one branch protects the other. In Delaware, close to the Delaware River, the shrub thrives with no protection in Winter; so it does across the Delaware in New Jersey. But after Pennsylvania is passed on the way south the climate soon is felt to be much less vigorous in Winter, allowing the growing of many plants that appear to object to thriving further north. It, the Crape Myrtle, requires a situation free from high winds and sun in Winter, and to be on elevated, well-drained ground, where growth will be well ripened before Winter comes. The thoroughly ripened wood is an essential to the wintering of any shrub not of the hardiest nature.

The Crape Myrtle is easily raised, either from cuttings or from seeds. Cuttings may be of green shoots, to be rooted in a greenhouse, or from hard wood, made in Winter, and set outdoors in Spring.

In the South the Crape Myrtle is everywhere, being to that section of the country what the Lilac is to the North, and when seen in hedge form it is, when in flower, a beautiful sight. There are many colors of it, pink, purple, red and white.

Safe Transplanting of Oaks It is a pleasure to note the increased planting of Oaks and, further, the successful planting of them as well. Every planter knows that some seasons are much more favorable to safe planting than others, still, with the care everyone should give to planting of trees, especially of Oaks, these trees should not be classed as being particularly hard to move. Close pruning, the keeping of the roots moist, and setting the soil firmly about the roots when in their new position, is all that is required. It is not uncommon to see practical planters succeed with good-sized trees of, say, three inches in diameter, and fall-planted at that, while others complain of losing trees of but 6 ft. to 8 ft. high.

As a rule, there is too much disregard of roots in transplanting. Trees that make but few small ones should have a root pruning once or more before removal. This could be done in Summer, after the foliage is well matured; digging around a tree, and severing the large roots met with. If done about Midsummer, new roots form at once, so that the tree would be in better condition the Spring following than if it had not been root pruned. Still, it would be better were it undisturbed until a year later.

As soon as out of the ground wet mats should cover the roots, and be kept there until the tree is set in its new position. Prune the tree quite close to the main stem, unless it be the Pin Oak, which has usually a good showing of roots naturally, so requires less shortening of the branches. When setting an Oak tree, fill in around the root with very light loam, or even sand. Get it around every root as well as possible, and then when well covered pour in water, to carry the loam or sand well into every crevice, so that the roots will be as solidly covered as they were before the tree was dug up. This is the practice of good planters, and very few trees die on their hands.

At this season of the year the first thing to look to is the root pruning of such trees as it is desired to move later; and nurserymen should now be planning to prune whole rows of trees that have not been transplanted for some time.

Thuja Verveneana Before the George Peabody Arborvitæ was known the Verveneana was generally planted as a golden Arborvitæ, under the name of the Belgian Golden. The George Peabody is the best golden-tinted American Arborvitæ today, the gold color being of the best; and when the new foliage is fully matured in late Spring it is as handsome an evergreen as one could plant. Verveneana, beautiful as it is, is not nearly as rich a golden as the other, but there is a pleasing shade of golden color pervading all parts of its foliage, such as the sun shining on a green-leaved tree would impart.

Perhaps, too, the growth of Verveneana is rather more full than that of George Peabody, for the latter is extremely pyramidal in growth, representing a golden form of the true Thuja occidentalis pyramidalis.

There are innumerable varieties of the native Arborvitæ, some quite globular in growth, others so slim and tall as to look much like a Juniper; then some are variegated tipped, others golden or golden-tinted throughout, as is the subject of our sketch, Thuja Verveneana.

Gordonia Lasianthus Those of our readers who live south of Philadelphia would have a beautiful native evergreen shrub in the Gordonia Lasianthus, if they would take care to plant it in a sheltered place. It has been tried in Philadelphia, but it could hardly endure the average Winter there. Although living through two or three winters it became less in size instead of larger, being partly winter-killed every season. Still, it was not in as good a place as it might have been; and again, on many estates there are natural sheltered nooks where many a choice shrub could be wintered well.

This Gordonia has handsome snow white flowers, two to three inches in diameter, and, like the species G. pubescens, it blooms all Summer.

The G. pubescens referred to is, however, a hardier and handsomer shrub. The wonder is that it is not more widely planted. One rarely sees it outside of the vicinity of Philadelphia, and it is not common there. It is quite hardy there, showing that it could planted anywhere south of that city, and farther north of it as well.

The flowers of G. pubescens are often 3 to 4 inches across. They have a delicate fragrance, which, with their handsome cream white flowers, bearing clusters of yellow stamens in their centers, attracts everyone to them. As it can be rooted from hard or soft wood cuttings and from layers there is no reason why nurserymen should not have a good stock of it.

Hibiscus Rosa Sinensis The well-known greenhouse plant of the North, Hibiscus Rosa Sinensis, is one of the favorite lawn shrubs of the far South, and even in situations where it freezes a little it withstands, as it is a Chinese and Japanese shrub. It is not seen in greenhouses in the North as often as it was 30 years or more ago, a time when a good collection of greenhouse plants was more valued than bedding plants were. It is changed now, florists' flowers have gained the lead, hence the absence of the Hibiscus referred to, except from establishments where old-time plants are still valued.

In the far South it is a well esteemed hardy shrub, and further towards the North it will succeed, planted where it will ripen its wood well in Autumn. It is not uncommon, where frosts occur to some extent, to bank around the base of the plant, in late Autumn, enough soil, manure or some material to insure the life of a few inches of the base of the shoots. From this reserved part shoots will push in Spring, and will give flowers freely through the Summer.

In the North the plants must be dug in Autumn, cut back well and heeled in, in boxes or pots, and kept in a cool greenhouse until time to plant them out in Spring.

This ornamental Hibiscus exists in many colors, and in both double and single-flowered varieties; though all things considered the single-flowered ones are considered the most satisfactory for flowering, and of them the single scarlet is one of the showiest.

100,000 PHLOX

In 25 Leading Varieties

Strong, stocky plants, from 2½-in. pots for planting out.

ENGLISH IVY, 4-in. pots
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ASSORTED COLEUS, 2-in. pots
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Prices given on the above on application.

AGERATUM, White and Blue, 2-in. pots, $20.00 per 1000

THE ELIZABETH NURSERY CO.
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ROSES FOR OUT-DOOR PLANTING

Heavy 2-year plants, in 6-inch pots. Splendid healthy foliage and abundant buds and flowers. A good assortment of Hybrid Perpetuals and Hybrid Teas.

Price, $25.00 per 100

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ROSES FROM 2½-INCH POTS

Fine, Clean, Strong, Well-Rooted Stock

	100	1000		100	1000
Chateney	$3.00	$25.00	American Beauty	$6.00	$50.00
Bridesmaid	3.00	25.00	Richmond	3.00	25.00
Uncle John	4.00	35.00	Brides	3.00	25.00
Ivory	4.00	35.00			

BENCH PLANTS

	100	1000		100	1000
Beauties	$6.00	$50.00	Sunrise	$4.00	$30.00
Richmonds	4.00	30.00	Brides	4.00	30.00
Perles	4.00	30.00	Bridesmaid	4.00	30.00

CARNATION CUTTINGS

	100	1000		100	1000
Enchantress	$2.00	$15.00	White Perfection	$2.00	$15.00
Wisor	2.00	15.00	Pink Lawson	1.50	12.50

PETER REINBERG, 35 Randolph Street CHICAGO

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A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY
Mount Hope Nurseries ROCHESTER, N. Y.

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THE AMERICAN CARNATION By Peter Bisset

Price $3.00. Send for Sample Pages

A. T. De La Mare Ptg. and Pub. Co., Ltd., 2 to 8 Duane Street, NEW YORK

New Bedford, Mass.

The past week was a busy one. There was a good demand for flowers, with the supply about equal. Carnations are none too plentiful just now; they retail at 50c. and 60c. per dozen. Roses of good quality sell at $1.50 per doz.; Sweet Peas at $1 per 100 blooms; Snapdragons 75c. and $1 per doz.; Lilies $2 per doz. Gladioli are now coming in and retail at $1 per doz. Bulb stock is getting scarce. Tulips, outofdoors, are almost done, but some still sell at 50c. and 60c. per doz. Daffodils are about gone. Funeral work is good and calls for lots of stock. Pansies sell well yet, also Forget-me-nots. Geraniums are being called for now, and sell at 12c. and 15c. each, from 3½-in. and 4-in. pots; also other bedding stock.

S. S. Peckham and Peckham Bros. of Little Compton, R. I., have about 30,000 to 40,000 Geraniums; they report a good demand for them.

Peter Murray of Fairhaven, Mass., has some nice Forget-me-not plants, which are finding a ready sale.

J. H. Cleary and Julius Rositzsky, the latter manager for Wm. P. Peirce, were witnesses in Boston in a trial case the past week. While in Boston Rositzsky bought some fine Hydrangeas in pots from Evans of Watertown; they are handsome plants too.

Lilacs and Tulips, and lots of other outdoor flowers will be all gone by Memorial Day, and from present indications flowers will be scarce.

Wm. H. Davenport is showing some fine metallic flower designs.

H. V. Sowle will have some nice Lilies for Memorial Day, also a nice lot of Geraniums and other bedding plants.

Most of the Ten-week Stocks will be in on time.

There is a good demand for shrubs, trees and general nursery stock.

R. H. Woodhouse will be strong on Vincas and Geraniums.

Growers are now planting out their young Carnation stock. It will be one grand rush from now on. We wish all a good Memorial Day business and plenty of flowers. HORTICO.

Lilacs in Highland Park, Rochester, N. Y.

Again the Lilacs in Highland Park are displaying their beauties to admiring multitudes. They are perhaps in greater abundance of floral profusion than they have ever been before and during this week and next it will well repay people who have the opportunity to visit them frequently.

With the importations that have come from Europe this Spring the park board has in its possession 206 varieties of Lilacs. This includes fourteen species. Of course, what is meant by a species in regard to a Lilac or any other plant is a unit composed of a greater or less number of individuals found growing in a wild state, and which reproduces itself true from seed, or within very limited variations. The different varieties of Lilacs, like most other varieties of cultivated plants, have been produced by hybridization and selection and can only be perpetuated by artificial means.

Nearly all the cultivated varieties are the offspring of the common Lilac, Syringa vulgaris, whose native home is on the banks of the Danube in eastern Europe. Most of the Lilac species are indigenous to south and eastern Europe, China, Manchuria, Mongolia, and Japan. No lilacs are found growing in a wild state on the American continent. Some years since Dr. C. S. Sargent of the Arnold Arboretum, Harvard University, procured seeds of the common Lilac in a wild state on the banks of the Danube, and raised a number of seedlings and presented a few of them to the park board. These are now in the park nurseries and have not yet flowered, but it will be interesting when they flower to ascertain how far they are removed from the highest types that have been produced by the skill of the hybridizer.

It is an error to suppose that Lilacs have no particular charm or that they cannot be seen to best advantage except when they are in full flower. When the clusters are partly expanded, and the beauty of the unopened buds is contrasted with the open flowers, is really the time when the Lilac displays its greatest charms. This is more particularly true perhaps in regard to the dark red flowering Lilacs. Those single dark red Lilacs, such as Uncle Tom, Congo, Pasteur,

WHITE KILLARNEY ROSES

(**Waban Strain**) from 2-inch pots, at **$6.00 per 100**; from 3-inch pots, at **$8.00 per 100.** Cash with order.

J. HENRY BARTRAM, Lansdowne, Pa.
ROSE LAWN GREENHOUSES

Please mention the Exchange when writing.

ROSES IN PLENTY

On own roots, Summer grown, Winter rested. See column advertisement, page 775, April 30th, The Florists' Exchange.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

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BOUVARDIAS

Double Pink and Double White, $3.00 per 100; $30.00 per 1000.

Cash with order.

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PETUNIAS Single Petunias of Ruffled Giant, California Giant, and Ruffled, striped and blotched. A No. 1 stock, 2¼-in. pots, $2.00 per 100, $18.00 per 1000.
GERANIUMS, 4-in., in bud and bloom, Nutt, Ricard, Viaud, Peter Henderson, Bochner, Poitevine, and Rose Geraniums, $6.00 per 100, $50.00 per 1000.
SALVIA, 35,000 Bonfire, from seed, twice transplanted, large healthy stock, 90c. per 100, $7.50 per 1000. Cash please.

S. A. PINKSTONE, 206 Court Street UTICA, N. Y.

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PETUNIAS

Fringed Ruffled Giants. From 3-in. pots, $3.00 per 100.
SNAPDRAGONS, White, Yellow, Crimson, Pink, or Mixed. From 2-in. pots, $2.00 per 100.
MIMULUS TIGRINUS, 3-in., $3.00 per 100.
CHRYSANTHEMUMS, Major Bonnaffon, from 2½-in. pots, $3.00 per 100.

ALBERT WM. BOERGER, GARDENVILLE N. Y.

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Seasonable Stock

	Per 100
ENGLISH IVY, 4-in.	$12.50
DRACAENA Indivisa, 4-in.	10.00
DRACAENA Indivisa, 6 to 6-in.	26.00
YELLOW MARGUERITES, 4-in.	6.00
WHITE MARGUERITES, 5-in.	16.00
MME. SALLEROI GERANIUM, 3-in.	4.00
ICE PLANT, 3-in.	4.00
MIMULUS, 2½-in.	3.00
SWEET ALYSSUM, 3-in.	4.00
DUSTY MILLER, 2½-in.	3.00
SMILAX, 2-in. ....per 1000, $17.50	2.00
CIGAR PLANT, 3-in.	3.00
CANNAS, Standard var., 4½-in.	7.00

Cash

JOS. J. SOKOL, FLORIST NEW HAVEN, CONN.

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A Few Good Things You Want

DRACÆNA Indivisa, 3-in., $5.00 per 100; 4-in., $10.00 per 100.
BEGONIA Rex, 2-in., $5.00 per 100.
ASPARAGUS plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100. Cut sprays, 25c. per bunch.
ASPARAGUS Sprengeri, 3-in., $6.00 per 100.
GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.
FERNS, Whitmani, 4-in., 25c. each. Boston, 4-in., 15c. each; 5-in., 25c. each.
COLEUS, ALTERNANTHERAS, red and Yellow, **VERBENAS, HELIOTROPE, CIGAR PLANT, SALVIA** (Scarlet Sage), **Zonich** (always in bloom), **VINCA Variegata**, 2-in., stock of these, $2.00 per 100.

Cash with order, no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

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Dreer's Select Potted Roses

FOR OUTDOOR PLANTING

The Roses here offered are field grown plants which have been potted into 5 or 6 inch pots (according to the growth of the variety) during the winter months. They have been stored in cold houses and cold frames and are in the best possible condition to turn over to your retail customers for outdoor planting, giving an entirely different result from stock carried over winter in storage. For best results the plants should be shipped in pots; in this shape they will carry safely to reasonable distances by freight.

Hybrid-Tea and Other Everblooming Varieties

Two-Year-Old Plants
5 and 6 inch Pots

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Safrano	25.00
Viscountess Folkestone	30.00

Hybrid-Tea Roses

Novelties and Recent Introductions

The Gems of the new varieties introduced in recent years. A few of these planted in your own borders will prove interesting during the entire season.

All in Strong Two-Year-Old Plants

	Each
Betty. (Dickson 1905)	$0.35
Countess of Gosford (McGredy 1906)	.40
Chateau de Clos Vougeot (Pernet Ducher 1908)	.75
Dorothy Page Roberts (Dickson 1907)	.75
Dr. J. Campbell Hall (Dickson 1904)	.60
Duchess of Wellington (Dickson 1905)	2.00
Dean Hole (Dickson 1904)	.50

Hybrid Tea Rose Betty

	Each
Elizabeth Barnes (Dickson 1907)	$0.75
Geo. C. Waud (Dickson 1908)	1.00
Grace Molyneux (Dickson 1908)	1.00
John Cuff (Dickson 1908)	1.00
Hon. Ina Bingham (Dickson 1905)	.50
Lady Ursula (Dickson 1908)	1.00
Lady Faire (Bentley 1906)	.50
Laurent Carle (Pernet Ducher 1907)	1.00
Mary Countess of Ilchester (Dickson 1909)	2.00
Margaret Molyneux (Dickson 1909)	2.00
Mons. Paul Lede (Pernet Ducher 1903)	.50
Mrs. Arthur Robert Waddell (Pernet Ducher 1907)	.75
Mrs. Aaron Ward (Pernet Ducher 1907)	.65
Mme. Leon Paine (Guillot 1904)	.75
Mme. Maurice de Luze (Pernet Ducher 1907)	.75
Papa Lambert (Lambert 1900)	.35
Queen of Spain (Bide 1907)	.75
Walter Speed (Dickson 1909)	2.00
William Shean (Dickson 1906)	.75
The Lyon (Pernet Ducher 1907)	.90

New Tea Roses

	Each
Harry Kirk (Dickson 1907)	$0.90
Hugo Roller (Paul 1907)	.60
Molly Sharman Crawford (Dickson 1908)	1.00

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Strong two-year-old Plants, nearly all in 6-inch pots.

	Per 100
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Baroness Rothschild	26.00
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	Per 100
Capt. Christy	$25.00
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Louis Van Houtte	25.00
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Soliel d'Or	30.00
Tom Wood	25.00
Ulrich Brunner	25.00
Victor Verdier	25.00
White Provence	25.00

Rambler, Climbing and Trailing Roses

	Per 100
Baltimore Belle	$20.00
Climbing Clothilde Soupert	20.00
Crimson Rambler	20.00
Gloire de Dijon	25.00
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Lady Gay	20.00
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Baby Rambler Roses

	Per 100
Crimson	$20.00
White	20.00
Pink	25.00

HENRY A. DREER, Inc., 714 Chestnut Street Philadelphia, Pa.

NOTE—These Prices Are for The Trade Only

Please mention the Exchange when writing.

Montgolfier and Negro, are charmingly handsome when the flower panicles are partly expanded.

Fifteen to twenty years since, Ludwig Spath was considered par excellence as a dark red flowering Lilac, and it is today a fine one, but there has been introduced during recent years a galaxy of showy Lilacs, including those mentioned above, with deep purplish red flowers that are the peers of Ludwig Spath.

It might be said that there are four shades or tints with their infinite variations in which the Lilac reveals its greatest beauties, namely white, creamy pink, Lilac or bluish lavender, and purple red, and inside that general color scheme all the Lilacs in cultivation range themselves whether they are double or single.

The most interesting Lilac in the creamy pink color scheme is one under the name of Schermerhornii, which the park board purchased 18 years since from a nursery in Long Island. It is true the individual flowers are small, but they are deeply tinged with pink, and it is the nearest approach to a pink Lilac in the collection. Macrostachia, Lilarosa, Princess Maria, Crampel and Amœna are other distinctive single varieties that belong to this section, and there are many others.

The single white Lilacs are particularly noticeable this year, and Noisettiana alba, Virginalis, Madame Moser, Frau Dammann, Marie Lagraye and Princess Alexandra have all their distinctive beauties. It is hard to choose or decide which is the best among these, but perhaps Princess Alexandra, in which the erect compound clusters, with large individual flowers, stand out prominently, might be placed at the top. Among the double white Lilacs during recent years there has been a number of new comers. Madame Lemoine held the place of honor for a long time, but Rabelais, Obelisque, Jeanne d'Arc, Ellen Willmott, and Madame Casimir Perier are close rivals, and perhaps Madame Casimir Perier is superior to Madame Lemoine in general excellence.

Among the Lilacs in the range of color with lilac or bluish lavender flowers there is an immense number of single and double-flowered varieties varying more or less in depth and intensity. In the single Lilacs Jacques Callot is an old variety, and is hard to excel. The individual flowers are about one inch across. Colmariensis cœrulea superba, Fuerst Leichtenstein, Eckenolm and Christopher Columbus, are single kinds that show the range of color in this section.

In the double flowering varieties President Carnot, Condorcet, Alphonse Lavalle, President Grevy, Lamarck, Rene Jarry des Loges, Abel Garriere and Dr. Masters are just a few of the numerous sorts in this range of color.

If cool weather had not prevailed for the past two or three weeks all flowering plants and the Lilacs would have been in flower four weeks ahead of last year and about two weeks ahead of the average season. At the present time it seems that they are from two to three weeks ahead of last year.—*Rochester Democrat and Chronicle.*

See Our Exhibit of Orchids At Boston This Week

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BAY TREES—STANDARDS

Crown	Tubs	Per Pair
26-28 in.	16 in.	$12.00
28-30 in.	16 in.	14.00
32-34 in.	18 in.	15.00
34-36 in.	18 in.	18.00
36-38 in.	18 in.	20.00
38-40 in.	18 in.	$22.50
40-42 in.	22 in.	25.00
44-48 in.	22 in.	30.00
55-60 in.	24 in.	75.00
68-72 in.	28 in.	125.00

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Headquarters for all Central American Varieties . .

Just received, nice importations in fine condition for immediate shipment, the following varieties:

Oncidium Splendidum
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Oncidium Cavendishii
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Cattleya Skinneri
Cattleya Bowringiana
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My arrangements and facilities enable me to quote lowest possible prices for all Central American varieties, for present or future delivery. Write for them.

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We are receiving new importations of Philippine and South American Orchids in excellent condition, viz:

Phalænopsis Amabilis
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Vanda Boxalli
Cattleya Trianæ
Cattleya Labiata
Cattleya Gaskelliana
Cattleya Mossiæ

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ARRIVED THIS WEEK

CATTLEYAS
TRIANAE
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We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawrenceana, Gaskelliana, Dowiana and Percivaliana. Write to-day.

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Cattleya Trianae

Owing to lack of room and large shipments arriving, we offer this popular Cattleya for immediate delivery, at **$40.00 per case until sold.** The plants are A1 in every way.

We also have received **Cattleyas Gaskelliana, Schroederæ** and **Labiata, Oncidium varicosum Rogersii, Oncidium crispum, Miltonias, Lælias, etc.** All other Commercial Varieties to follow in quick succession.

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JUST ARRIVED

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Guaranteed True Type

Cattleya Trianae — Cattleya Mendelii
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Advertising Benefits

Jos. H. Cunningham of Delavan, O., writes us May 16 that, through the trade papers, he has sold 421,000 Pansy plants between Oct. 10, 1909 and May 12, 1910.

Canal Dover, O.

We are glad to report that the severe frosts did not injure our Peonies, and they are growing finely, giving promise of a very exceptional crop, mainly prior to May 30. Iris Florentina is in bloom. Peony tenuifolia and Mock Oranges will be in a few days. Clethra fruits are well set, giving promise of grand crops.

C. BETSCHER.

FAIRBURY, ILL.—Kring Bros. are changing the heating system of their houses from hot water to steam, the heating to be done from a central plant.

WASHINGTON, N. J.—Considerable damage has been done by vandals to the greenhouses of Alonzo Bryan, this place. His barn was also broken into and valuable harness stolen. The police are searching for several suspects.

THE WARFEL FLORAL CO., Muncie, Ind., has been incorporated, with a capital stock of $10,000. Directors, Hiram Warfel, Lottie C. Warfel and Francis A. Shaw.

THE GREENHOUSE Co. of Clarksburg, W. Va., has been incorporated to operate greenhouses. Capital stock, $25,000. Incorporators: N. J. Hayman, C. C. Jarvis, C. H. Griffin, I. J. Coston of Clarksburg; John C. Johnson of Bridgeport.

WESTBORO, MASS.—William M. Gardner, 50 years old, a florist, living at 50 High st., has received word from his old home in Dumfries, Scotland, that he was one of four heirs to $25,000 left by the death of his uncle, who was one of the well-to-do merchants of Dumfries. Only recently Mr. Gardner was named as heir to an $18,000 estate in New Haven, and then received $300 from a Scotland bank, which was placed on deposit for him by a relative when he was a child. The Scottish lawyers who are settling the estate in Dumfries, have been searching for the whereabouts of the Westboro heir since last June.

Catalogs Received

KING CONSTRUCTION CO., North Tonawanda, N. Y.—Bulletin No. 34, issued May 1, 1910, entitled "King Semi-Iron Frame Greenhouse Construction." This is a 24 page treatise on even and three quarter span houses built on King plans. The publication is profusely illustrated with reproductions of plans of houses of various sizes showing plainly the King features of construction. It is pointed out that the King Semi-Iron Frame House is intended to compete as to cost with the ordinary sash bar construction greenhouse and at the same time give a construction that secures a strong and rigid frame designed to resist the push of the sash bar against the side walls, and thus take care of the biggest factor in safe greenhouse building.

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CANNAS, J. D. Eisele, 4-in., $8.00 per 100; **Alphonse Bonvier, Bismarck, Richard Wallace, Kate Gray, King Humbert,** 4-in. pots, $7.00 per 100.

BEGONIA ERFORDI, new improved variety, 4 in. pots, $8.00 per 100.

BEGONIA FLAMBEAU, 6 in. pots, 18 to 24 in. high, for boxes and vases, 25c.

REGONIA VERNON, dark red, and light red, our so well known improved strain from Zurich, Switzerland. Introduced by us 4 years ago. Has given so much satisfaction all over America. Always in bloom, stands the sun and dry weather well. Three to six seedlings planted into one pot (now very bushy), 4 in. pots, $8.00 per 100; large 3-in., $6.00 per 100. A bed of this novelty Begonia once seen growing on a lawn will speak for itself.

SCARLET SAGE, in bloom, Clara Bedman or Bonfire, 4-in., $7.00 per 100.

AGERATUM, dwarf, best blue, 3-in., 4c.

LEMON VERBENAS, 4 in., $7.00 per 100.

HELIOTROPE, blue, 4 in. pots, $7.00 per 100.

ENGLISH IVY, 3-in. pots, 18 to 25 in. high, $5.00 per 100.

GERMAN IVY, 2½-in., 3c.

VINCA Variegata (Periwinkle), for vases or window boxes, 4 in. pots, good stock, 10c. to 12c.

FUCHSIAS, assorted colors, 4 in., $7.00 per 100.

GERANIUMS, best double white, **S. A. Nutt** (crimson) and pink, 4 in., $7.00 per 100. **Beauty of Poitevine,** 4 in., $7.00 per 100.

PETUNIAS, double, assorted colors, 4 in., $7.00 per 100.

LANTANAS, assorted colors, 4 in., $7.00 per 100.

NASTURTIUM Empress of India and six other good varieties, 3-in., $6.00 per 100.

RICINUS or **Castor Oil Plants,** 4-in., 15c.

ECHEVERIA GLAUCA, good strong plants, $3.00, $4.00, $5.00 per 100.

ASTERS, German, **Queen Victoria,** 4 separate colors, 2 in. pots, $3.00 per 100.

CYCAS Revoluta, or **Sago Palms,** clumps from 3 to 10 lbs., 10c. a lb. 25 plants at 100 rate.

ZINNIA elegans, 2½ in., $3.00 per 100.

Small plants, 2½ to 3-in., $3.00 per 100:

VERBENAS, assorted colors, **PHLOX DRUMMONDI,** dwarf or grandiflora, French dwarf **TAGETES** (the Queen of Marigolds), **COSMOS,** assorted; **COLEUS, Verschaffeltii, Queen Victoria** and **Golden Bedder** (fancy colors, $4.00 per 100; **NASTURTIUMS** (dwarf); **SWEET ALYSSUM, Little Gem** or **Carpet of Snow; TRADESCANTIA, THUNBERGIA** (Black-Eyed Susan); **MAURANDIA Barclayana; IBERIS** or **CANDY-TUFT, CORN FLOWERS; SALPIGLOSSIS; LOBELIA, Crystal Palace** (blue), dwarf or trailing; **DUSTY MILLER** or **CENTAUREA Gymnocarpa.**

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PRIMULA Obconica, 6-in., in bloom, $2.00 per doz.

DRACAENA Indivisa, 5 to 5½-in., 25c.

KENTIA Forsteriana and **Belmoreana,** 25-30-48 in., $1.00, $1.25, $1.50, $1.75 to $2.00.

CRIMSON RAMBLER ROSES, 7-8 in. pots, 75c., $1.00, $1.25 each. **Dorothy Perkins,** one of the newest best pinks, pot grown, 2 to 3 years old, 35c., 40c., 50c.

FICUS ELASTICA, 4 in. pots, 25c.

Don't forget we are the wholesale growers and shippers of the genuine **MOON VINE,** the **Ipomoea Noctiflora,** for which we have had, for the last 25 years, a world-wide reputation. A rapid grower; grows in one season 60 ft. and over with thousands of pure white, waxy, fragrant flowers as big as a saucer. We ship 25,000 every season to every state in the Union, Canada and Mexico. 2½-in. pots, $5.00 per 100; 4-in., staked up, $12.00 per 100.

ARAUCARIA excelsa. First consignment just arrived from Antwerp, in their original packing, 2-3-4 year old, 3-4-5-6 tiers, 12-16-18-20-26 in. high, 35c., 50c., 60c., 75c., $1.00 to $1.60.

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ASTERS, Market White, $2.00 per 1000.

STOCKS, Princess Alice and **Beauty of Nice,** 2-in., $1.50 per 100.

COLEUS, 2-in., $1.50 per 100.

DUSTY MILLER, 2-in., $1.60 per 100.

AGERATUM, White and **Gurney,** 2-in., $1.60 per 100.

LANTANAS, 2-in., $2.00 per 100.

SWEET WILLIAMS, $3.00 per 1000.

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GERANIUMS, Grant, etc., 2-in., $2.00 per 100.

FEVERFEW, 2-in., $2.00 per 100.

VINCAS, 2-in., $2.00 per 100.

ALTERNANTHERAS, 2-in., $2.00 per 100.

CUPHEA, 2-in., $1.60 per 100.

Rooted Cuttings, prepaid per 100: Heliotrope, $1.00; Paris Daisy, yellow, $1.00; Cuphea, 75c.; Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, Rosea, P. Major, Aurea nana, 50c. per 100, $4.60 per 1000; Ageratum, 3 kinds, 60c.; Stevia, 75c.; Dbl. Petunias, 10 kinds, $1.00.

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Cannas, all variaties, 4½-in. pots, $7.00 per 100.

Hydrangeas, for planting out, 2½-in. pots, $3.00 per 100.

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Coleus, in 10 fancy colors; Ageratum, Alternantheras, red and yellow; Cigar Plants, Ground Ivy, Sweet Alyssum, Petunias, Phlox, Pyrethrum or Golden Feverfew, Verbenas, Lobelia, long and short; Begonia Vernon, all in 3-in. pots, $2.60 per 100.

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Cincinnati

Business during the past week has been exceptionally good. Stock of all kinds moved well, especially Carnations and American Beauty Roses, and prices are getting back to the normal point on all stock. Killarney, My Maryland, and Richmond are quite equal to the demand, and bring from 2 to 6c. Good Bride are a little on the scarce side and in demand. Carnations are also getting scarce, but a few days of sunshine will bring them out again. White Carnations sold on Monday at 3c.; other varieties at 2c. New Ferns are beginning to come in. Peonies are now coming in more plentifully, and we hope to have a good supply for Decoration Day; in fact, Decoration Day will clean up everything in the cut flower line, especially White Carnations and Peonies. Gladioli are beginning to make an appearance.

Last week the club women from all over the U. S. held their biennial convention at Music Hall. The hall was handsomely decorated, B. L. Fenn having the decoration. On Friday evening the ladies enjoyed a trip up the Ohio River on the steamers Princess and Island Queen, after which a buffet luncheon was served on the steamers. On returning, the boats stopped below Eden Park, where a beautiful display of fireworks was enjoyed. The ladies also enjoyed numerous other entertainments.

The trade will be pleased to hear that Ed. Fries, who has been quite ill for a fortnight, is convalescent.

J. T. Herdegen was a caller in the city today. John Lodder of Hamilton was here on Saturday. E. G. GILLETT.

New Orleans

Young Dan Newsham returned recently from an Orchid collecting trip to Central America, with an increased avoirdupois and a fund of experience which seldom befalls a youth of sixteen. His father, James A. Newsham, who is an old time Orchid collector and an expert grower of these royal plants, will leave in a few days to attend the Boston Orchid show, and, incidentally, take in Washington, Philadelphia, New York and other large centers. His Magnolia Nurseries have become quite a beehive of Orchid activity within the last two years.

The Metairie Ridge Nursery Co. has about completed another new greenhouse. This concern reports this as being its most prosperous season since its formation.

Mrs. Carrie Rehm is making extensive alterations at her Napoleon ave. establishment.

The prolonged drought has a bad effect on outdoor Roses, thrip having full sway. Other outdoor stock is fairly good, especially Gladioli, but everyone is longing for rain. CRESCENT CITY.

BOOKS

Every one who would become successful in his pursuits should "fill himself full" on all subjects appertaining thereto; in other words, he should buy every practical book relating to his business from which he is sure to reap some advantage.

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JEAN VIAUD Clear Pink
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	Per 100
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PETUNIAS. Double. 3½ inch	$6.00 to 8.00
PETUNIAS. Single	$3.00 to 5.00
FUCHSIAS. 4 inch	8.00
GERMAN IVY.	$3.00 to 6.00
CENTAUREA.	3.00
AGERATUM. 3½ inch	5.00
DRACAENAS. 5 inch, $20.00, larger size	35.00

	Per 100
CANNAS.	$5.00 to $6.00
VINCAS.	$8.00, $10.00, 15.00
SALVIA. 3½ inch	$5.00 to 6.00
VERBENAS. 2½ inch	3.00
HELIOTROPE. 3½ and 4 inch.	$6.00 to 8.00
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English Horticultural Notes

A Bouquet of Novelties

On May 3, at the Royal Horticultural Society's show, there were certificated the following, each of which is deserving the notice and consideration of your growers: Carnation C. F. Raphael, with intense rosy scarlet flowers, 6 ins. in diameter with crinkled petals, full, and on long stems. The flowers are spicily scented, but the calyx bursts. The bloom is too big for the calyx really, and is of the Marmion and R. F. Felton type, a new section which H. Burnett of Guernsey has produced. The flower looks just like that of a perfectly developed Malmaison, which is more prized in England than America, but Mr. Burnett say the variety is not a Malmaison at all. Perhaps it is crossed with Malmaison and the American varieties. At any rate, C. F. Raphael (named after a wealthy amateur who has a large collection of Carnations) is a fine decorative flower.

Second on my list are Veitch's (Chelsea) Schizanthuses, which are compact, bushy and very varied and brilliant in the range of color. Crimsons, whites, pinks, amaranths, purples, orange and gold, and mottled kinds were shown. They also have one of the finest and most varied strains of Primula obconica.

Two varieties of Hydrangea Hortensia were certificated, one from a Frenchman—E. Moullière of Vendom—and the other from Veitch. The French variety was H. H. Mme. Emile Moullière, with a huge mass of lovely white flowers; the other was H. H. Ornament, with soft blush flowers.

Among the Daffodils there are now many choice gems, especially the triandrus and Leedsii crosses, which are coming to the front. J. HARRISON DICK.

Some Fern Notes

Osmunda palustris crispato-congesta, which comes from H. B. May & Sons, Upper Edmonton, London, is a decidedly distinct variety of one of the most useful Ferns we have. It gained an award of merit at a recent meeting of the Royal Horticultural Society. The ordinary O. palustris is a great favorite, as it is evergreen and stands exposure well. The North American O. gracilis is much appreciated for Summer use, but unfortunately, it is deciduous, and many think that when the fronds die off the plants are dead; and I have known many instances where those not acquainted with the habits of Ferns have thrown away valuable varieties when they have lost their fronds. Where young men are put into a department more care should be taken to instruct them regarding which varieties are deciduous.

The deciduous Ferns include Adiantum digitatum—better known as A. speciosum—A. palmatum, another choice and beautiful species, A. lunulatum, which is closely allied to A. dolabriforme, and A. Henslovianum. All of the above are rarely seen, though they are beautiful when in foliage. There is not so much risk with Davallia bullata, for the prominent rhizomes indicate life; but with Davallia immersa the slender rhizomes are under the surface.

I have known several instances where Nephrolepis pluma and N. Bausel have been thrown away when they have lost their fronds. The hardy sorts do not suffer such a bad fate, as they are left in the ground. A. H.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

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The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

The American Rose Society

The American Rose Society has commissioned the Rev. Dr. Spencer S. Sulliger of Vancouver, Wash., an amateur rosarian of repute, and one of the Pacific Coast members of several years' standing, as representative to the Annual Rose Show in England. Dr. Sulliger leaves New York this month for Great Britain. Richard Vincent, Jr., of White Marsh, Md., took a letter to the International Horticultural Meeting at Belgium, which he attended. These gentlemen will report back to the Society, their reports forming a part of its annual proceedings.

John F. Huss of Hartford, Conn., one of our prominent members, goes to France and Switzerland, and this trip also is in the interest of Roses.

The Society has closed up its premium list covering the Spring Show, with one exception.

An inquiry has been received from one of the Government departments as to the value and volume of Roses used commercially in the United States, and inquiries forwarded to the various distributing centers have brought responses which indicate that probably one-fourth of the value of all flowers grown under glass comes from Roses. The observations made in travel indicate that the Rambler classes of all Roses are becoming more and more in evidence, as of popular use, all of which shows that with the growth of the country the growth of nice things is also coming in for large development.

The officers of the Society wish to thank the many donors of special prizes for the prompt response and payment of their respective premiums.

BENJAMIN HAMMOND,
Fishkill, N. Y., May 14. Sec'y.

A letter received from Mr. Richard Vincent, Jr., on Thursday, May 19, dated at London, stated that he expected to arrive in New York on Monday, May 23.

Mr. Vincent states he visited the Kew Gardens on Saturday, May 14, meeting there several well-known gentlemen of the horticultural world. He has also visited many leading horticultural establishments in and around London and reports that he has been treated royally everywhere.

All the horticulturists whom he has met have expressed their pleasure in that the American Rose Society thought enough of them to be represented by a delegate. Mr. Vincent further states that some of these growers are coming over to Boston to visit the show there next month and investigate how Americans grow Roses and Carnations. Mr. Brunton, editor of the "Horticultural Trade Journal," will head the party over.

The Greatest Orchid Discovery Yet

Messrs. Lager & Hurrell, Orchidists, Summit, N. J., advise us that they have in their possession the greatest discovery of all times, viz. a pure white Cattleya gigas. We are in great hope that this plant will be seen at the coming Orchid show at Boston.

The Great Orchid Show at Boston

May 26 to May 30

The opening of the Orchid exhibition at Boston, on Thursday, May 26, will mark an epoch in the annals of horticulture.

For the first time in America these plants will form the principal and great attraction of an exhibition, and the heaviest money prizes known are to fall to the successful competitors.

We understand that five entries have been made for the $1000 prize and the handsome gold medal of the Mass. Hort. Society. The total number of entries made far exceeds the expectations entertained when the proposition to hold such a show was first made known.

We expect Boston to be the Mecca of all worshippers of the Orchid while the opportunity to see the great display is afforded.

The Hailstorm Record

Wind at Sixty Miles An Hour—Half Inch of Rain in Thirty Minutes

At Atlanta, Ga., several thousand dollars damage was done on May 12 by one of the worst hail and rain storms in its history. The maximum of the wind velocity was sixty miles an hour, a rain fall of half an inch was recorded within thirty minutes, and the ground was almost covered with hailstones. Trees were uprooted and many window panes broken.

From Lancaster, Pa., small hail losses are reported.

Butler, N. J., was visited by a lively sprinkle of hail, as large as Walnuts, on the night of May 8. J. G. E.

Brussels International Show

The first of a series of international horticultural shows to be held on the grounds of the Brussels (Belgium) Universal Exhibition was opened on Saturday, April 30.

Plants and Flowers

The planning and laying out of the exhibits of plants and flowers must have been done by a master hand, as nothing could be more artistically and scientifically arranged to please and attract the mind and soul of the true lover of grand and beautiful effects than the eye looked upon when entering the hall or pavilion wherein the show was held. The only section that could be found fault with was the one containing the Azaleas, in which the arrangement showed too much color to be pleasing, a fault hardly to be avoided. The flags of different nations, especially Belgium, were displayed on the walls or supports which added to the confusion of color.

On entering, after passing through an assortment of Palms, was to be seen, on the right, a small but neatly laid out garden, large enough for many a country home, with running water, and a bridge over a miniature lake, summer house, etc., the garden proper planted with shrubs in bloom in pots, the pots hidden in the ground, consisting of Lilacs, Snowballs, Metrosideros, Hydrangeas, Hibiscus, Azaleas, etc. A few evergreens and Palms were introduced to give effect. Vases of vines and flowers, Cinerarias, Calceolarias, Lilies, Geraniums, miniature beds of Daisies and Pansies made the garden beautiful in every sense of the word; no fairer picture could be painted or desired. There were other garden beds laid off and planted, but none exactly like this, the others being more of one kind, but the color combinations or effects were carried out so as to show everything to the best advantage.

Fruits

The exhibit of fruits was not as large as we expected to find them, but we were informed that there would be more later on, when more space was available. Such as shown were very nice, most of the varieties coming from the colonies of Belgium. There was a large exhibit of Citrus fruit from Africa, also Pears, Apples, Pineapples, etc. The Strawberries and Raspberries were extra good. Plants of Strawberries in pots, in bloom and with good ripened fruit, were prominent. A splendid exhibit of fruit in a glass case was well arranged and made an interesting show. The case contained Strawberries, Raspberries, Cherries, Plums, Nectarines, Peaches and a splendid assortment of foreign Grapes.

The Orchids

One entire side of the building had a raised promenade, on each side of which were tables running the whole length; one side was taken up with the Orchid display, and presented one of the largest exhibits of these popular plants ever made, and thousands of people viewed them daily with admiration. At the back of the tables was a row of medium-sized Palms, for a background to relieve the bareness of the walls. Between the pots or pans of Orchids, everywhere, were small Ferns, that hid the bareness of the tables and made a nice bed of green to help show up the bright Orchid flowers. The value of this wonderful display in dollars would sum up to a very large amount.

Table Decorations

There were many decorated tables, the majority of them being laid without cutlery and table ware, nothing but flowers, plants and trimmings, spaces being left for the dishes, etc. The table taking the first premium was shown by a well-known Paris firm. This table was arranged with fine Orchids, entwined with Asparagus plumosus. The centerpieces were elevated about two feet, on fine cut glass supports, very frail, but neat; persons sitting on either side of the table could see one another through the decorations—a beautiful conception.

Outside Plantings

Near the building containing the floral display was a large piece of land, well laid off so as to be easily viewed and planted, each section by different growers. Blocks of evergreens, shrubbery, Roses, both dwarf and standards, fruit and ornamental trees, fruit trees trimmed scientifically as espaliers, pyramids, etc., were to be seen; also a lot of fantastically trimmed trees of Holly, Box, Yew and other close foliaged varieties. Along one of the avenues leading from the flower show were rows of Bay trees of very large size, both pyramids and standards, with enormous tops; these were exhibited by Sanders of Bruges. On other sections large plantings of shrubbery were being made at the time of our visit, much of this work having to be done as the buildings are completed.

R. VINCENT, JR.

National Sweet Pea Society of America

The following additional prizes have been offered for the annual exhibition of this Society, to be held in July:

F. R. Pierson Co.'s Prize, for the best 12 vases of Sweet Peas, first prize $10, second prize $5.

The Aphine Mfg. Co.'s Prize, for the best collection of Sweet Peas, open to florists only, first prize $15, second prize $10.

The Anton Zvolanek Prize, for the best 10 vases of Spencer and Unwin types, $10.

The John Young Prize, for the best vase of Sweet Peas, of a variety never before exhibited, $5.

We are expecting additional prizes and the regular schedule is now in course of preparation. The preliminary schedule will be mailed upon application to anyone requiring it.

If any concern or individual wishes to offer a prize for the coming exhibition, kindly notify the secretary. The prospects are that we shall have not less than 3000 vases exhibited this Summer. Details and particulars will be furnished later. HARRY A. BUNYARD, Sec.

The Horticultural Society of New York

The annual meeting of the Horticultural Society of New York was held on Wednesday, May 11, at the Museum Building, New York Botanical Garden. The annual report was read, showing a year of increased activity all along the line. Three exhibitions were given during the year; one in June; a large one last Fall at the American Museum of Natural History; and one in March, in conjunction with the American Rose Society. At the meeting just held, the membership was increased by the election of 21 annual members and a life member. This makes a total net gain during the year of 40 members, three of which are life members. This advance is most encouraging, for if the Society can have a large membership, its usefulness in the world of horticulture will be greatly increased. If each member will consider himself a committee of one to add one more member to the Society, the desired result will soon be accomplished.

At the annual meeting the officers and members of the council for the succeeding year are elected. The election just held resulted as follows: President, Geo. T. Powell; vice-presidents, N. L. Britton, T. A. Havemeyer, Patrick O'Mara, Samuel Thorne, James Wood; secretary, George V. Nash; treasurer, F. R. Newbold. Council, elected members: F. L. Atkins, J. W. Cromwell, Henry F. Du Pont, Henry Hicks, John E. Lager, J. A. Manda, E. S. Miller, Clement Moore, W. Nilsson, F. R. Pierson, I. L. Powell, E. H. Roehrs, H. H. Rusby, H. A. Siebrecht, E. B. Southwick, James Stuart, J. H. Troy, Robert Simpson, W. H. Waite, C. W. Ward, C. B. Weathered, A. L. Willis.

It was decided to hold a Summer exhibition of plants and flowers at the New York Botanical Garden, on Saturday and Sunday, June 4-5. All are invited to make this exhibition attractive, whether members of the Society or not, by sending in exhibits. The following schedule has been prepared, and copies will be sent to any one by addressing the secretary, George V. Nash, New York Botanical Garden, Bronx Park, N. Y. City.

Peonies

	Prizes
Best 3 white varieties, 6 flowers each	$5 and $3
Best 3 light pink varieties, 6 flowers each	5 and 3
Best 3 rose varieties, 6 flowers each	5 and 3
Best 3 crimson varieties, 6 flowers each	5 and 3
Best collection of singles, 3 flowers of each kind	5 and 3

For the largest and best collection, not less than 6 flowers of each variety .....25 and 15

Miscellaneous

Best collection of hardy Roses.....10 and 5
Best collection of flowering shrubs and trees .....10 and 5
Best collection of hardy Rhododendrons and Azaleas, or either .....10 and 5
Best collection of hardy herbaceous plants..10 and 5
Best collection of Irises ..... 5 and 3
Best 6 Orchid plants in bloom .....10 and 6
Best 3 Orchid plants in bloom ..... 6 and 4
Best 1 Orchid plant in bloom ..... 3 and 2
Best collection of cut Orchids ..... 6 and 4

Special Prize

Offered by Mr. L. S. Livingston

For the best collection of cut flowers of various Irises of the Oncocyclus or Regelia sections, or hybrids of these, not less than ten varieties. $25.

GEORGE V. NASH, Secretary.

Greenhouse Ventilating Apparatus for Uptodate Automobile Factory

The Pierce Arrow Motor Car Co. of Buffalo, N. Y., are building new shops in that city and are installing window opening machinery throughout, furnished by the King Construction Co. The interesting part of this, to the average grower, is the comparison of the number of ventilator machines, fittings, etc., that go into this job as against the number required in the ordinary size greenhouse. There are 1490 sash that ventilate in this new automobile plant, and it requires 2980 arms and rods, and 135 machines, to operate them. One inch and 1¼ inch shafting is used throughout, and to support this shafting 1940 hangers are required. A special gear box and driving device was designed for this job, but with a view toward greenhouse needs, however, and we may see some of this new ventilating machinery in the mammoth houses which the King Construction Company are noted for building.

Publications Received

NATIONAL ROSE SOCIETY (Great Britain). ROSE ANNUAL for 1910.

We are in receipt of the National Rose Society's "Rose Annual for 1910" which, this year, has again been enlarged, and as several of the articles it contains are likely to be of permanent interest and value, the book has been cloth bound. The contents present a vast amount of information for Rose growers, which in the short space at our command it is not possible to fully enumerate. One of the most valuable features of the present edition, however, we believe to be that of the plans of Rose gardens, of which there are six, ranging from a comparatively small arrangement to one involving considerable expenditure in its preparation. These plans alone are worth several times the cost of the membership subscription, particularly to those who might be called upon to lay out such gardens. Among other notable contributions is an article by Alfred Tate on The Treating and Training of Weeping Standards, Knife and Secateurs (pruning shears) for Pruning Roses by H. R. Darlington, Plan of a Rose Garden by Miss Dorothy Page-Roberts, Half-acre Plan of a Rose Garden by R. C. Mount, The One Acre Rose Garden by C. E. Shea and Hybridization of Roses by Walter Easlea. Additionally, the 1910 Annual contains some very interesting illustrations.

This book can be supplied through The Florists' Exchange for $1.25, postpaid.

Another publication issued for the membership of the Society is "The Enemies of the Rose," revised and added to by George Massee and F. V. Theobald, giving a life history of the different fungus and insect pests which attack the Rose, together with instructions as to how they may be kept in check and destroyed. Excellent illustrations have been supplied by Miss Beard (eight of which are color plates) which will assist in the identification of nearly all the enemies with which Roses may be attacked. Color plates 1 to 4 enable the observer to identify fungus diseases; color plates 5 to 8 show some 25 of the insect pests. Additionally, there are a number of illustrations in black and white. Treatment is given for diseases caused by fungi, the many kinds of which are fully described; also how to thwart the beetles, bees and sawflies, moths, aphides, scale insects, frog hoppers and leaf hoppers injurious to Roses, thrips, red spider; washes used for Rose trees, fumigation with hydrocyanic acid gas, concluding with the Rosarian's Pest Calendar.

Although the number of enemies mentioned in this little treatise seem at first glance to be many and formidable, attention is directed to the fact there are but three principal enemies the Rose grower is liable to be troubled with; namely, grubs and caterpillars, greenfly or Rose aphis and mildew.

This book can be supplied by The Florists' Exchange at $1.25, postpaid.

A New Tulip Disease

A new Tulip disease is recently described in Möller's Deutsche Gaertner-Zeitung by a Swiss florist. Its visible seat is at about the middle of the flower stem, which becomes at this point almost transparent (watery), in sharp contrast to the portions above or below. The Tulips affected at first grow just like healthy ones until the flower is fully developed; then the fungus appears as above, and within a very few hours the flowers has drooped. It was found on examining the affected plants, that the bulbs had hardly rooted, these being rolled up in ball shape under the skin of the bulb. The varieties Rose Gris de Lin, Murillo and La Reine were affected the most (the last named as much as 70%), while Mon Tresor was not at all.

Casting about for a remedy, as he still had about 6000 bulbs to grow, the writer took first Rose Gris de Lin and dusted the bulbs with powdered sulphur as soon as they were taken out of the propagating house and set out into the open ground; this was repeated twice until they were in bloom. The treatment was entirely successful with this first batch as well as with other varieties so treated later. In order to verify his process, he forced a box of Rose Gris de Lin in another house, without sulphur, and out of 213 bulbs he secured but 58 healthy ones.

The writer intimates that the infection came in with the Dutch bulbs, since their 1909 crop was reported a failure, and he suggests that importers of bulbs should insist that the Dutch growers give a guarantee of fungus free and fully matured stock.

A similar complaint from Russia is reported in the "Handelsgaertner." Here many florists in the larger cities have incurred considerable losses. In St. Petersburg and Moscow, which import every year 300,000 to 400,000 Hyacinth bulbs from Holland, the loss is estimated at over 60,000 rubles. The defect in the stock is generally ascribed to the immaturity of the bulbs on being shipped.

The Late W. E. Hall of Clyde, O.
See Obituary Notice, Page 862

The Weeping Apple Tree, Elise Rathke

Landscape gardeners in search of an ornamental tree outside of the ordinary, who are undecided as to their choice, are advised by a writer in Moeller's Gärtner-Zeitung to give a place to the Weeping Apple, Elise Rathke, as being an eminently decorative tree, aside from its specific office as a fruit bearer. None of the German growers have yet succeeded in producing anything equal to it, although it has been on the market for a number of years. It was originated by the late A. L. Doering, a nurseryman of Elbing, Germany, who sold his entire stock of 60 to 70 trees to Franz Rathke, who then introduced the Apple under the name of his wife, Elise Rathke.

Low growing in habit, its drooping branches are richly hung with golden yellow fruit, which is slightly reddened where it faces the sun; the fruit is aromatic in taste, sweet with a certain tartness, and is considered to be one of the best dessert Apples, keeping until April or May. The parent tree is now nearly a quarter of a century old, and is still bearing and greatly admired for its beauty of form. Combining in so high a degree beauty with usefulness, this weeping tree offers the further advantage, from the lazy man's point of view, that the fruit is easy to pick.

Rose Dora Hansen

This German novelty, which was introduced last Fall, is favorably criticized by German rosarians as being an exceedingly free bloomer of lovely color and sweet perfume; authorities like the late F. Harms have prophesied for it a promising future both for cutting and forcing. A seedling of Mme. Caroline Testout × Mme. Jules Grolez, Dora Hansen is much superior to its parents as regards color and habit and profuse blooming. The plant puts forth sturdy, perfectly straight stems, often nearly 32 in. long; the wood is reddish when young, the leaves are large and firm and free from disease. The bud is long and shapely, and opens into an immense flower, even in the worst weather. The color is a pure, delicate salmon pink, which keeps fresh until the flower fades, showing none of the bluish shading that Testout sometimes takes on; this lasting quality makes Dora Hansen, therefore, one of the best Roses of its color for cut flower purposes. The edges of the petals are slightly curled. Young graftings will begin to blossom in June, before Testout, and are covered with flowers until the beginning of October. Dora Hansen is such a ready remontant, that one really cannot speak of a first and a second period of flowering. A rosarian growing a number of plants for a test, had some on which he counted 21 stems in flower at one and the same time, each of which could have been cut to a length of about 20 inches.

Dora Hansen was originated some five years ago by O. Jacobs of Weitendorf, Germany, and only after having been thoroughly tested in various soils and under various conditions, it was put on the market last year through the firm of Karl Boelcke of Rathenow, Germany. At the Jubilee Exposition in Mannheim it was awarded a gold medal and several honorary prizes.—*Rosenzeitung.*

Nursery Notes

ELGIN, ILL.—The D. Hill Nursery Co. is incorporating, with a capital of $25,000.

HARRISBURG, PA.—The Berryhill Nursery has bought 45 acres of land along the Jonestown road for nursery purposes.

ASHLAND, WIS.—Mayor Bunday, a well-known Twin City nurseryman, has acquired about 1000 acres of land on Sand Island, which he will devote to fruit growing.

YORK, NEB.—The C. S. Harrison Nursery Co. has been incorporated. The company is composed of C. S. Harrison, H. S. King, and Fred G. Yule.

CARLINVILLE, ILL.—Will B. Otwell, for 20 years engaged in the nursery business here, has gone out of business and sold his stock. He will devote all his time in future to his publication, The Farmer Boy.

THE BOOK OF WATER GARDENING. By Peter Bisset. The only recognized authority on aquatics. Profusely illustrated. Price, postpaid, $2.50. A. T. DELAMARE PTG. & PUB. CO., 2 Duane St., N. Y.

Obituary

Cornelius de Brandt

Cornelius de Brandt, father-in-law of Paul Mader of East Stroudsburg, Pa., passed away on May 13 after suffering from liver disease and dropsy. Mr. de Brandt was a native of Opwyck, Belgium, and was in his 67th year. He spent his last three years in Mr. Mader's business and was of a pleasing, kindly disposition.

Henry Blanksma

Henry Blanksma, aged 38 years, a partner in the greenhouse firm of Blanksma Bros., Kalamazoo ave., Grand Rapids, Mich., died recently at Reed's Lake Sanitarium, of typhoid pneumonia.

William H. Sauls

William H. Sauls died at his home on First ave., Columbus, Ga., May 5, from paralysis. He was 86 years old and had been a cigar manufacturer in Columbus, for a number of years, and later was a well-known florist. Two sons, E. C. and C. G. Sauls, both prominent in industrial circles, survive him.

Joseph Lang

Joseph Lang, of 2010 Melrose st., Chicago, an old-time florist, died at midnight on Saturday, May 14, from peritonitis. The deceased was born at Elgeswerer, Baden, Germany, in 1854, and came to this country 30 years ago. For some time he was foreman at the Lincoln Park greenhouses, but later embarked in business for himself at the location where he died. The funeral was held on Tuesday morning from his late home, with interment at St. Boniface Cemetery. A wife, one daughter and three sons survive him. Mrs. Lang will continue the business.

Notable Washington Plantings

Among the most recently completed public buildings in Washington is the magnificent marble structure, the National Bureau of American Republics, on 17th st., in the Mall. This building, costing $1,000,000, $750,000 of which was the gift of Andrew Carnegie, is one of which any city might well be proud, and, like others of its kind, possesses some wonderfully entertaining surprises for the visitor.

In front, on the outside are two half circular flower beds filled with Aucuba Japonica variegata and with Armeria used as an edge. This work was done by J. H. Small & Sons.

The interior of the first floor is really a reproduction of an old Spanish courtyard, of no mean proportions, and containing over 250 different varieties of tropical and sub-tropical plants grouped into four beds respectively. These rare and most valuable plants were selected, arranged and planted under the direct and personal supervision of Wm. R. Smith of the U. S. Botanical Gardens, which supplied them, and stands without a compeer. Chief and conspicuous among the plants is a well-grown specimen of Ficus pandurata, labeled "The Peace Tree," and which was planted on April 26, at the formal opening, by President Taft, assisted by Wm. R. Smith, Col. Givens, Andrew Carnegie, Bishop Alfred Harding and others. The spade used by these gentlemen was of the highly ornamented type. Upon this occasion a long chain of Killarney Roses across the entrance was torn asunder by the President prior to entering. Towering above the other tropical plants are four rare old Palms, Thrinax elegans, 15 ft. tall, Seaforthia elegans, 15 ft., Chamærops Fortunei, 12 ft., and Cocos plumosa, 12 ft. The beds are in each of the four corners of the court, and each contains one of the above named specimen Palms, completing in minute detail the tropical effect intended.

Much space would be required to give completely the names and a description of the other plants which go to complete this perfect picture. There are Papyrus, Sansevierias, Coffee Trees, Bougainvilleas, Bananas, Ficus, Euphorbias, Mexican Bread Fruits, and many even more valuable and rare plants indigenous to the South American republics which they represent.

In the center of the court is an electric fountain, as shown in the picture herewith, in which the water is kept in a constant state of agitation, changing in colors like the kaleidoscope. Above, are the individual flags of the 21 republics, decorating the corridors of the main hall overlooking the court. The roof is of glass, iron framework, and so arranged as to be controlled entirely by electricity with regard to ventilation.

The floor of the court is of tile, in imitation of brick, with grotesque figures of the old mummies and South American Indians of centuries ago. In referring to this wonderfully arranged court, Mr. Smith spoke with his accustomed modesty, as though it were a trivial matter to lay out, plan and plant such a place, but it stands as a living monument to his world-wide fame and ability in this line of work. Speaking of the Fig tree, also included in the collection, Mr. Smith remarked that the leaves were of sufficient size to have made Eve a Scotch costume, and perhaps larger than the original leaves used for the purpose. JAS. L. CARBERY.

Group of Palms in Garden of Dr. R. Schiffman, Pasadena, Cal.

Represents a group of Palms inside of the main entrance at the junction of two driveways. Those to the right and left are Chamærops Fortunei, that in the center is Chamærops excelsa; the bank seen to the left of the driveway is planted with Dorothy Perkins Roses, and the large shrubs above these are Romneya Coulteri. The hedges bordering the driveway is Laurestinus.

Destruction of Eelworms in Garden and Greenhouse Soil

In Farmers' Bulletin No. 388, issued by the U. S. Dept. of Agriculture, dealing with experiment station work, the subject of the destruction of eelworms in garden and greenhouse soil is dealt with as follows:

Eelworms or nematodes in garden and greenhouse soil constitute a serious and troublesome pest for which it is extremely desirable to find some simple and practical remedy. Experiments on various methods of destroying eelworms have been carried on for many years by G. E. Stone, of the Massachusetts Experiment Station, and a recent report of that Station gives some of the practical results of these experiments.

As Dr. Stone points out, the use of lime is often advocated for destroying the eelworms, but his experiments show that lime has little or no value for this purpose. In fact, it was found possible to keep eelworms alive for several days in a saturated solution of lime-water. "Undoubtedly the application of lime to greenhouse soil improves it by modifying its acidity, but eelworms will thrive in soils which are not acid."

The use of formalin has been recommended, but the experiments at the Mass. Station indicate that this is not effective in killing the worms, and besides cannot be used on soils containing growing plants on account of the injury likely to result to the plants.

Of late years formalin has been recommended as a remedy for eelworms on Violets. This is used by applying it to holes made in the soil where the plants are growing. The formalin being volatile, the gas penetrates the soil and is said to kill the worms. Our experiments with it would not seem to warrant the use of this method of treatment, as formalin is injurious to plants, and there is reason to believe that it would not affect in the least the eggs of eelworms, which are fairly well protected by a resistant covering.

The methods used with more or less success at the Mass. Station for destroying eelworms in greenhouse soils were as follows:

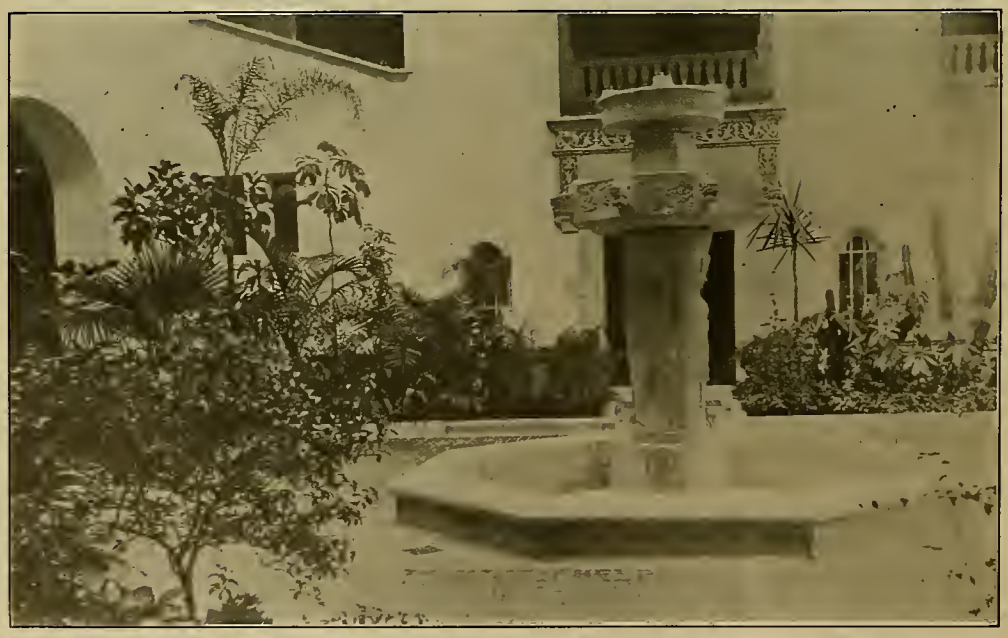
Sterilization.—This is one of the cheapest and best methods of destroying eelworms in greenhouse soil. It is necessary that the soil be heated to at least 180° F., and a higher temperature is better. This is accomplished by driving steam through the soil by a system of perforated pipes.

Freezing.—If the soil is frozen for any length of time the eelworms are destroyed, and some use has been made of this method by practical growers. As a rule, the soil is removed from the house and frozen in bulk out of doors.

Desiccation.—Drying the soil is destructive to eelworms, but it is difficult to dry soils sufficiently in deep benches to make this method effectual. The application of unslaked lime, however, will materially aid in drying the soil, by virtue of the water-absorbing qualities of the lime.

Trapping, or the catch-crop method.—It has been found in Germany that sowing very susceptible crops, like Mustard or Rape, on soil contaminated with eelworms, and, after the females have become encysted in the roots, pulling up the plants and exposing them to the drying rays of the sun, is capable of reducing the worms to some extent in contaminated soils. We have found, however, that two or three catch crops are much better than one.

The Massachusetts experiments indicate that in some instances simply flooding the soil may prove a successful means of destroying the eelworms, and that manure infected with eelworms may be safely used on garden and greenhouse crops if left for a sufficient length of time in water.



Interior Court in the National Bureau of American Republics Building at Washington, D. C. The Arrangement of Plants was Under the Direction of Wm. R. Smith

THE BOOK OF WATER GARDENING. By Peter Bisset. The only recognized authority on aquatics. Profusely illustrated. Price, postpaid, $2.50. A. T. DELAMARE PTG. & PUB. CO., 2 Duane St., N. Y.

Among the Growers

Woodside, L. I., in Greater New York, is the home of many florists, all engaged in the production of plants and flowers for the New York market, and the products of some reaching distant markets. The following ranges were recently visited:

E. C. Matthes, Woodside, L. I., N. Y.

Five houses at this establishment are at present devoted to growing Asparagus plumosus nanus. As far as possible, solid beds are used and give the better results. A temperature of not less than 65° is maintained. The plants in some of these houses are now five years old, but are very productive; in fact, all the Asparagus in the range is very thrifty and shows good culture.

Five houses are used for the growing of Stocks. Beauty of Nice is the variety grown, and a very abundant and choice cut of flowers is obtained. A few other varieties like Elizabeth, and Bismarck, are being tried out. After the season for Stocks is over, the five houses and two others are to be used for 'Mums, which are now growing on in another house. The varieties used are Virginia Poehlmann, Helen Frick, Golden Glow, Bonnaffon, Jeanne Nonin, and White Ivory. These are set directly in the ground, neither bench nor solid bed being employed.

Three houses are used for Carnations. Boston Market being the only variety grown. Gladioli are grown outside in large quantities. Augusta is the only variety used. Callas also are grown in large pots.

Establishment of E. C. Matthes, Woodside (L. I.) N. Y.

William Schilowsky, Jr.

Boston Market Carnations are grown here in two houses. This appears to be the favorite variety in this section.

One house is used for Callas, part being grown on benches and part in pots; the latter proves more prolific. Home grown bulbs are used and are much preferred to California bulbs.

Beauty of Nice Stocks are grown, and home grown seeds are employed at the outset. Several hundred plants of Hydrangea Otaksa are well covered with blooms, including some of the blue tint, and all will be in just the right condition for Memorial Day.

Henry Ulrich

Practically the whole range here is devoted to growing Boston Market Carnations. The plants are exceedingly productive, even now giving a cut of 10,000 to 15,000 per week. A few plants of Fair Maid are also grown. The young stock has all been planted out in the field.

Thomas F. Ehrhardt

In this range there are five houses of Smilax grown in solid beds, and three houses are used for Genevieve Lord and Boston Market Carnations. Both the Smilax and the Carnations show good care.

Outdoors is a block of 2000 General Jacqueminot Rose bushes, stock well worth going to see. From the present outlook the plants will give a very large cut of flowers this season. Last year, from these same bushes, 15,000 blooms were cut on some days, and about 150,000 blooms from June 1 to July 1.

A small block of Tree Peonies is noticeable. The plants were set out many years ago, and bloom earlier than the herbaceous variety. About 800 herbaceous Peonies are now beginning to bloom. This stock was sent from Germany several years ago. The color is a deep red with a very full center.

Charles Smith's Sons

This range is now undergoing considerable repairs. Six houses are used for Carnations Boston Market and Genevieve Lord and five for 'Mums. The varieties of 'Mums used are Jeanne Nonin, Halliday, Pink Pompon, Major Bonnaffon and pink and white Ivory. One house is used for Sweet Peas. The young Carnations are now all in the field and the young 'Mums are growing on.

Satow & Suzuki

A Summer blooming 'Mum from Japan was noted here, of a deep yellow shade tinged with saffron color.

Five houses here are filled with potted Roses, chiefly Magna Charta, and Ramblers. Five houses are used for 'Mums, which are now being given proper attention; after the 'Mums are out they are to be followed by Poinsettias, which are now being propagated. About 500 plants of Hydrangea Otaksa in large pots will be ready for Memorial Day. The whole range shows good culture.

C. Schafer

At this range several thousand Japanese Lilies, which have been already started, are being transplanted into outdoor frames. Three houses are filled with potted Roses, varieties Magna Charta, Ulrich Brunner, and that old-time favorite Hermosa. About 1000 extra strong Crimson Baby Ramblers are growing here, as good as can be seen anywhere. The blooms for some reason are especially large. Callas are grown here in 5-in. pots, plunged. Attention has often been called to the different ways in which Callas are grown, each way having its advocates—directly in the ground, in solid beds, on raised benches, in large pots, in 5-in. pots, in plunged pots. Which now is really the most profitable way of growing Callas?

Hartman & Wagenfohr

This firm has just now a very large trade in vegetable plants at wholesale. Some extra fine potted Frau Karl Druschki Roses are grown here. The canes of this Rose grow so long that they can be bent around like the Rambler Roses, and a large number of blooms on one bush are produced. Magna Charta and Ulrich Brunner are also grown, and in the Ramblers, Dorothy Perkins, Tausendschön and Crimson Rambler, all showing good culture.

Callas are grown here on benches. In going among the various growers it is noted that a large number are growing a house, or a bench or a considerable number of pots of callas, and the thought arises: "Is the Calla gaining in public favor?"

F. Weinberg

Over the office door of Mr. Weinberg's greenhouse is the one word "Cacti." In addition to Cacti he grows that class of plants known as "succulents," and also odd and rare plants. Here a collector would have his fill of pleasure. Except to collectors little is known about Cacti, and yet the Cactus is an American plant, and aside from certain African species of the Rhipsalis genus of Cacti, this great family of nearly 1000 species is absolutely restricted to America. There are, in all, twenty genera of Cacti, five of which are represented in the United States. The greater number grow on the burning plains of Mexico and Brazil, and in the West Indies. They are for the most part devoid of leaves, thus preventing evaporation, and are provided with spines. The ovary, ripening into a fleshy fruit, is often edible, and in some species some part of the plant itself is eaten. The natives gash the plants with their knives, and drink the cool and refreshing juice; and even cattle suck the juice from the Cacti after wounding them with their hoofs. The blooms are usually conspicuous; often large, and of very brilliant color.

Cacti can be propagated by seed divisions, offsets, and cuttings, the seed method being the best. This brings to mind Peter Henderson's dictum. "When a plant comes true from the seed, that method of propagation gives a better plant than any other." The soil for Cacti should be equal parts of fibrous loam, old lime rubbish and clean sand. A complete season of rest should be followed by one of excitement. In Winter a temperature of 50° is sufficient. A house sunken about two feet, so as to obtain dampness without much watering, is preferable. A well drained pot is an absolute necessity. Mr. Weinberg has the most complete commercial collection of Cacti in the world, and is an exporter of Cacti, succulents and rare plants. At his establishment may be seen Cacti from 2 ins. to 10 ft. high, and of many different shapes and colors. The genus Cereus includes many of the larger Cacti. A Cereus giganteus is seen here 6 ft. high and weighing 650 lbs. The shape is that of a huge club. The Cereus macrogonus is also seen here and is 11 ft. high and channeled like a Corinthian pillar. The Pilocereus have hair-like spines, of which the Pilocereus senilis, "Old Man Cactus," is one of the most interesting. Many of the Echinocactus genus are of a globular shape, and are alled "Hedgehog" Cacti. It is now too early for many Cacti to be in bloom, but some fine specimens of Phyllocactus Gaertneri are now literally covered with large scarlet blossoms. Those mentioned are only a few of the very large and interesting varieties of Cacti seen here.

There are grown here a great variety of succulents, among which are the different species of Agave, some of which bloom only after reaching a great age, and then die; also many species of the Aloe, Crassula and Euphorbia. Some trained specimens of the Euphorbia splendens, with their brilliant blooms, are very attractive. Odd and rare plants too numerous to mention are grown. Altogether about 2000 species of plants are grown here, including the Cacti. A collector of Cacti and of rare plants can here enjoy himself to the limit.

Mr. Weinberg, besides plants, has about 100 varieties of snakes, poisonous and non-poisonous; forty varieties of lizards, from land and water, including the poisonous Gila Monster; twenty varieties of turtles, porcupines, horned toads, etc. These various reptiles he takes over to the zoological gardens of Europe, and brings others back to this country. In short, Mr. Weinberg not only supplies collectors in this country but is an exporter and importer of plants and reptiles.

Establishment of J. T. Conger, Hartwell, Ohio

Showing his new salesroom and the ends of four of his houses, each 24x100 ft. In all he has some 11,000 to 12,000 ft. of glass. Mr. Conger has built up quite a business in this locality and surrounding town during the past ten to twelve years.

Proposed Gladiolus Society

Editor The Florists' Exchange:

I am in favor of a Gladiolus society. Its chief aims should be: Restriction of naming sorts, unless of distinct and advanced merit; elimination of less desirable stocks; diffusion of press matter regarding the merits, culture, uses, etc., of the Gladiolus; giving exhibitions in districts, States, or nationally; nomenclature, etc.

Anything to popularize, advance sales, extend its culture, etc., we should all stand for. A better time to bring the matter to a reality would be at the S. A. F. meeting at Rochester. A preliminary hearing from interested parties, with ideas of an initial exhibition, amounts to add to a fund for prizes, ideas of various matters of moment all might be sent to Mr. Fuld with power to issue a condensed report for concurrence, through the EXCHANGE columns; all this would be in the line of a constructionary move. I stand ready to do my share, personally and financially.

Canal Dover, O. C. BETSCHER.

Help Wanted

Editor The Florists' Exchange:

In your issue of May 14, "One of the Help" raises the question as to whether employers could get the help were they willing to train it. As an ex-employee, and now an employer, and as one who has trained many boys and young men, and has seen many of these obtain first-class positions after leaving his employ fully equipped as to knowledge of their pursuit to easily retain the same, I think myself fully entitled to answer.

Care should be taken in the selection of proper material; it is little short of a crime to keep a boy at a business for which he is not fitted.

As to the comparison of wages and hours. There are few trades which present the opportunities afforded by that of the florist's to get into business for one's self. It is not the hours spent at daily labor which count near as much in the long run as the progress made. For the truth of this assertion question any of the hundreds of florists who have risen from the ranks!

A young man entering the growing end of the business at age 16 should be a foreman at age 25 and in business on his own account very shortly thereafter.

These opportunities may not always prevail, but they are certainly with us today, and intelligent, hard working observant young men, not afraid of long hours, are qualifying as employers in the near future.

BEEN THROUGH THE MILL.

Magnolias Bearing Seeds

Editor The Florists' Exchange:

Referring to an allusion to fruitfulness of Magnolia stellata, in The Florists' Exchange, I have two large plants which for the past several years have fruited more or less sparingly. Some seasons they have had very few seed cones, probably not more than a dozen seeds, but other seasons I have had as many as two hundred seeds from one plant. Another plant, about ten miles from here, also bears in about the same way. These seeds are cleaned and stratified in sand and kept dormant, but not too dry, until after New Year's, then sown in a greenhouse in early Spring. Young seedlings are grown in pots till Summer, then planted out in open ground. They commence flowering about the third year and appear to come nearly true to type and make satisfactory plants.

Magnolia Kobus fruits much more freely and grows very readily, and I find it an excellent and cheap stock for grafting stellata, conspicua and other Chinese sorts upon. Kobus appears to be too little known and not properly appreciated. It can be grown cheaply and should be used more freely as a small tree or large shrub. I have one plant about forty years old and thirty feet high which blooms freely every year and, usually, fruits freely. Some Kobus seedlings are rather shy bloomers, not commencing to bloom until five or six years old and then not flowering as profusely as Magnolias are expected to, but it is only a small percentage of the seedling plants that do so and it is probably these few which have helped to prejudice public opinion against a desirable tree. When they are planted more freely they will be better liked.

Morrisville, Pa. SAM'L. C. MOON.

—Mr. Moon's notes are very interesting. As before mentioned, the writer's trees of Magnolia stellata have never borne a seed, but at this time, as three or four little "cucumbers," as the immature cones are called, are still in good condition on a bush he hopes to see some ripen this year.

A large tree of M. Kobus was here for years, and it bore flowers and seeds abundantly every year, but from some unknown cause many of its large limbs have died back, so that there is not much life in the old tree now. Kobus and Lennei are the two best seed bearing varieties of all the foreign sorts. Lennei, being but a hybrid, cannot be relied on to come true from seed, but its seedlings have come pretty close to the original in those observed.

Mr. Moon's method of treating seeds for sowing is the right one. There would be few failures were his method followed. J. M.

Parisian Dahlias

These form an interesting race of Dahlias, of rather recent origin, very ornamental and striking in that the petals are edged by a wide band of some sharply contrasting color; the plants are semi-dwarf, growing to a height of not more than 27 in. The type was originated by A. Millet of Bourg-la-Reine, Department of the Seine, France, who relates the history of the Parisian Dahlias and gives their characteristics in the "Revue Horticole."

Some twelve years ago Millet crossed an ordinary Dahlia with some dwarf varieties of his collection which had shown a tendency to produce bordered petals, a variety with semi-double, chamois yellow flowers being the one chiefly used. While the results were not encouraging at first, he obtained in 1901 the first nearly fixed variety, which he named Paris, the petals having a wide center edged with a remarkably broad band of crimson. The seedlings of Paris came about 50 per cent. true to the type.

Continuing his experiments, he finally, by 1904, introduced nine well fixed varieties, each different in shape, and with distinct bands of color bordering the petals. This was the starting point for a new race of Dahlias, which he named Parisian, after his first success, Paris.

Parisian Dahlias
1, Paris; 2, Tour St. Jacques; 3, La Seine; 4, Observatoire; 5, Opera.

In the picture, taken from a lithograph in the Revue Horticole, in addition to Paris is shown the following:

Observatoire (Observatory)—No. 4 in the picture, which has white petals banded bright yellow, is about contemporary with Paris; three others shown are more recent, Tour St. Jacques (Tower of St. James) is white banded purple; La Seine is yellow banded red; Opera is white banded red.

At first the flowers of this new race were rather regular, round and umbrella-shaped, but the later varieties show different forms; the petals may come either twisted in screw-shape, incurved to form a cup, bulging out, or straight, or even curling up like shaving. The florets of the discs also vary, giving to each variety a distinct character.

The flower of this race is single, that is to say, the disc is always in plain view; but there are sometimes two rows of petals, and occasionally some florets of the disc have a curled prolongation which is evidently an attempt at a petal.

The Parisian Dahlias are especially well suited for beds and borders; and also effective in groups, blooming freely until the frost. The flowers are borne on erect stems, and rise well above the leaves; they will keep for a long time when cut.

Raising Pelargoniums from Seed

Raising zonal Pelargoniums from seed is one of the most pleasing duties of the gardener. The seed may be obtained from a seedsman, or may be saved at home. First of all, if the seedlings are to be really good the parents must be first-class, and therefore half-a-dozen or so good-named sorts, either of doubles or singles, may be obtained and potted on into 48-sized pots (about 4½ in. to 5 in.). If healthy and well rooted, these will quickly start growth, and when about 6 in. high should be headed and made to break into several side shoots. When these in their turn become of sufficient length to show bloom trusses they also may have the extreme tips of the shoots nipped out. Here, however, care must be taken to get several trusses about the same age, as otherwise it will prove awkward later on. To ensure this it may be expedient to pick off some of the very early trusses in order to await others which will flower with the more backward shoots. It is not advisable to get the plants too rank and sappy in growth, and feeding must not be resorted to, although a fairly free growth is beneficial. By this treatment the plants should, in a short time, have run up trusses, and in due course flowers will commence to expand. It is advisable to select those it is intended to use as seed-bearers right away, and only use them, not crossing at haphazard and so lose all count of what has been done.

Now for a word or two respecting the different floral organs. When the flower expands fully it will be seen that in the center is a short spike like the point of a pin. This is the stigma, and about the second day after opening, all round this central spike will be seen four or five flat pad-like bodies completely covered with reddish pollen. These are the anthers. If these are watched it will soon be found that they have fallen off, but the stigma is no longer merely a spike, but has unfolded, and now presents the form of a sea Anemone. It is now clear that the flower to become the seed parent must of necessity be much older than the flower from which the pollen is to be obtained, because as already pointed out, the anthers have dropped off long before the stigma has fully developed. I will suppose that the grower has a number of trusses all flowering in different stages. The stems are hard and the plants not too succulent. If this is the case, commence crossing at once. First get the smallest sable or camel-hair brush, obtainable at an artist's shop, and on a sunny morning gently collect the pollen from the anthers of a newly-opened flower and transfer this to the stigma of another. Here comes an important point, namely, there is a proper time for this transference of pollen, and it may be done too early or too late, but no written rule can be given. There is a very easy means of testing, and after a few experiments the manipulator of the brush can tell when he is doing right. If when he transfers the pollen to the stigma the surface of that organ appears to be dry, and the pollen does not adhere to it, desist at once, and wait another day; but if the pollen seems to show a partiality for the stigma and can be seen dusted upon it in preference to the brush, all is well, and I do not advise recrossing on successive days under the impression that it must be right sometimes.

The grower will now pollinate as many as he thinks fit, but not too many on one truss, which reminds me that when, say, eight or ten bloooms on one truss are safely fertilized the remainder of the buds should be removed with a pair of scissors. Of course, the first flower that opens on a truss will be the first ready for crossing, and so on. When fertilization is complete the florets quickly drop, and the stigma shrivels up, but in its place there grows a spike over an inch in length. This does not contain the seed. These, strange to say, are produced at the base of the spike or "crane's bill," and appear to be stuck on the bulb of the spike, and later, when dried, it will be found they have a spiral, plume-like, fluffy down. Any flower not properly fertilized soon decays, and the grower will not be long left in any doubt as to which are right and which failures. The developed spikes can be left until they begin to turn brown, and may then be picked and dried, when they burst open and liberate the seeds.

During the period between the crossing and the picking of the seeds the plants should be kept rather on the dry side, but not dry enough to rob the growing seed of sufficient nourishment, and, above all, should have plenty of sun, or at any rate be placed in a light, airy part of the greenhouse. I might add that very few spikes produce a full crop of seed. Some have one, others two, and up to as many as five, according to the success of the crossing.—H. S., Sussex, in *Journal of Horticulture.*

CULTURAL DIRECTIONS

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. Samples will be forwarded on application.

Stray Notes from Abroad

BY T. A. WESTON

The Label Problem

The label problem is always with us, and while we tolerate the wood and zinc labels for herbaceous plants, etc., we still continue to look for the ideal label for permanent stock, such as Roses and shrubs.

We have the plain zinc, which require indelible ink; stamped zinc, such as the Acme; stamped lead; and aluminum. The Acme is probably the finest permanent label ever handled by the sundriesman, but its cost prevents it becoming popular, except in a limited way.

The aluminum label is clean and is easy to write upon, and it steadily gains favor among Rose growers.

Perhaps the smartest label ever devised is the B. K. Tally, which at present is solely a Rose label. This is made of porcelain, specially baked so that it will stand any degree of temperature. The makers stock some 600 names, but are prepared to supply additions. The names are, of course, burned in, the reverse side being decorated with the name of the firm supplying the varieties; that is to say, any nurseryman may have his name indelibly fixed on the label, thereby insuring that his customers cannot mislay his address, while the label may also prove an advertisement. These tallies retail at something like two cents each.

Usefulness of the Rose Tausendschon

The new Rambler Rose Tausendschon is going to prove even more valuable than was anticipated, for while it has not the vigor and freedom of Dorothy Perkins, its giant flowers and charming tints make it extremely attractive. London florists are making great use of it for decorating and, furthermore, they find it will sell as a cut flower. Cut bloom is now being brought into Covent Garden Market, and when once people find that it lasts longer than any other Rambler it will be in great demand.

The newer Lyon Rambler has a good reputation, but up to the present I have not seen it, and, being a greedy individual, I have cut back my own plant hard for stock purposes, rather than allow it to bloom this season. One thing is certain, Lyon Rambler is a good grower, and it will surprise me if it does not equal Dorothy Perkins in this respect.

Popularity of the Lyon Rose

Speaking of Roses, it is worth recording that the Lyon Rose bids fair to be the most popular florists' variety of the day. This Rose, must not be confounded with the Lyon Rambler, nor The Lion, for it is a Hybrid Tea and not a climber. R. F. Felton, the famous florist of Hanover Square, is now receiving some of the most beautiful Lyon Roses I have had the pleasure of seeing. Not all growers can get the variety in good color under glass, but Mr. Felton's grower has obtained the secret, for the display put up by Mr. Felton at a recent R. H. S. meeting was immensely fine.

Some New Gerbera Hybrids

Coupled with the Lyon Rose was a mass of new hybrid Gerberas of French origin. Mr. Felton appears to control this particular strain, for I have seen none to equal them for size and vigor. The strains exhibited by such firms as Veitch appear to be smaller and more formal in shape. Felton's protegés however are giants, some nearly 4 in., with stems nearly 2 ft. in length. The colors range from yellow through the most beautiful shades of satin pink and strawberry, down to brick red. Many of these Gerberas possess exactly the same tints as does the Lyon Rose, and, as staged by Mr. Felton, the color scheme was sufficient to cause a mild furore among the visitors. The exhibit, which was only 7 ft. by 4 ft., was awarded a silver flora medal, an award rarely given for so small an exhibit.

Show Pelargoniums Coming into Favor

Show Pelargoniums, which at one time were highly thought of, are now gradually coming into favor again, and of late years there has been an influx of new varieties from Germany, which are generally conceded to be superior to the older varieties. Pelargoniums, for cut blooms, are quite largely used in florists' work, the white sorts being favored in preference to Azaleas by not a few. Grown in standard form, Pelargoniums make splendid decorative plants, and a variety largely used for this purpose is Clorinda; the flowers are a bright rose color, not over large, but freely produced, and when staged in mass as was done by a private grower at the mid-April R. H. S. meeting, it is very telling. Stuart Low & Co. are making a feature of this variety in standard form, I understand.

Notes on Cinerarias

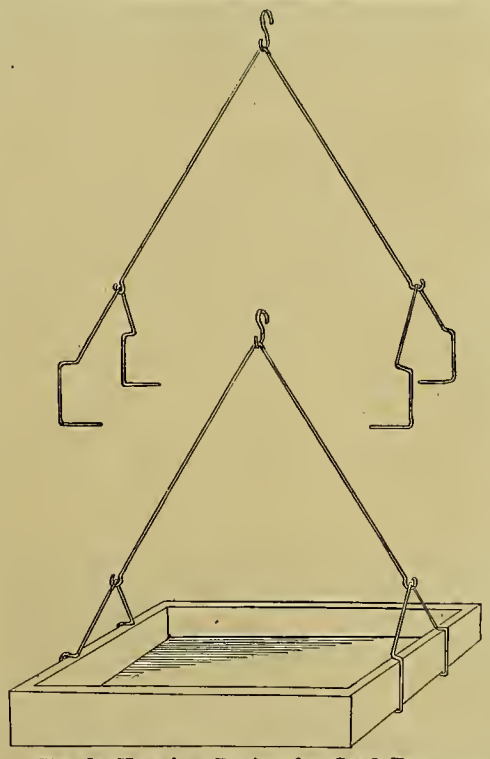
One may almost venture to predict that the grandiflora type of Cineraria, with its massive circular flowers, will eventually be displaced, for the wonderful strides made with the stellata and Cactus forms indicate which way breeders are working. Sutton & Sons' strain of Cactus-flowered Cinerarias, when exhibited in mass, presents a sight for sore eyes, for the colors range from true blue, blush, blue tipped, red, red tipped, pure white and pink, both twisted and straight petaled flowers being among them.

Two distinct varieties of the small-flowered type are Lady Thisleton Dyer, and Feltham Boquet. The former is treated as a perennial and its habit is after the stellata type, the foliage being small and covered with a whitish film. The flowers, which average about 1 in., or white edged blue, and abundantly produced.

The other variety is a distinct hybrid, obtained by crossing C. multiflora with stellata. Although first shown some two years ago, it is not generally known, but when once a variation in color is obtained it will open up a new type that will prove useful for florist's work. This striking Cineraria is an enormous grower, standing fully a yard high and as much broad. The stems are almost like those of a Dahlia, and the trusses of flowers, which are a peculiar rosy mauve shade, with purple eye, are borne in enormous panicles. The individual flowers are small, but what they lack in size they make up in number. To my mind this monster Cineraria offers great possibilities, providing seed can be obtained, a point I am not enlightened upon.

Some International Price Comparisons

Despite the clamor made for tariffs on this side, owing to importations of foreign products, a glance at your New York prices for April 9 indicates that it is possible to over produce, and so bring down value without the aid of foreign importations. For some little time past Carnations, including Lawson, Britannia, Enchantress and White Perfection, have realized in Covent Garden Market prices ranging from 1/6 to 3/- per dozen, and on St. George's Day, April 23, when the demand for Roses overshadowed other things, the prices for Carnation specials was 2/6 per dozen, equal to about $5 per hundred, against New York's $2. Richmond Roses have been realizing 1/6 to 2/6 per dozen, and, on April 23, specials were up to 3/ and 4/ per dozen, equal to nearly $8 per hundred—and not 3 ft. stems at that.



Simple Hanging Device for Seed Boxes

When it comes to Daffodils, however, we can do these cheaply, for the blooms have to be good to bring 3/- per dozen bunches, or about 100 blooms. Generally, the price is much lower, often down to 1/- per dozen bunches of 12 dozen blooms.

Superior Introductions Reduce Profits

It is not often that one runs up against a grower who admits that the introduction of a new variety of plant kills the profit in that particular culture. This, however, was stated to be the case with regard to our leading Strawberry, Royal Sovereign. A grower who specializes in forced Strawberries and Chrysanthemums recently informed me that the appearance of Royal Sovereign, some years back, knocked the bottom out of Strawberry culture. In the old days, when Sir J. Paxton was the leading variety, prices always ruled high, but with Royal Sovereign yielding treble the crop with far less trouble, and propagating like a weed, down came prices, never to rise again. This applies equally to outdoor culture. This fact tends to suggest that the plant breeder can do the commercial man a bad turn by introducing a plant that is easy to grow and a prolific yielder.

The Auchusas

I note that Anchusa Italica, Dropmore variety, has found favor in the United States. If not already known, the variety Opal should also receive attention, for it is a beautiful bright blue, considerably paler than the first named variety.

A Simple Hanging Device for Seed Boxes

When visiting the great nurseries of Wells & Co., Sydenham, I observed an ingenious wire hanger for suspending seed boxes from the roof. Having found it inadvisable to erect permanent shelves, owing to the stoppage of light, Mr. Wells designed this hanger, and by its use he is able to suspend boxes, thus placing them out of the reach of mice and vermin, beside giving more bench room for other things. The claws act in the same way as do those used on cranes, the weight creating the grip. I append a rough sketch. A patent was applied for, but Mr. Wells never completed the transaction.

Another space saver used by Mr. Wells is a skeleton shelf fixed down the centers of his Fern houses. These are simply two narrow bars, wide enough apart to allow 7" pots to drop as far as the rim. These skeleton shelves are used for Araucarias, and the plants do well, for air plays around and underneath the pots, while the Ferns underneath are not deprived of any great amount of light.

Facts Concerning Lilies

As relating to the paper on Lily growing recently appearing in the EXCHANGE I might mention that the great Lily grower, W. H. Page, referred to by J. Harrison Dick in your columns recently, has small trouble about timing for Easter or any other date. At the recent R. H. S. meeting he showed some splendid flowers which were, he informed me, from bulbs he purchased in October, 1908. He placed in cold storage many thousands at that time, and this same batch kept him going through 1909, and in April, 1910, he was still using them. Respecting longiflorums, some growers prefer not to handle them to any extent, as their salesmen find many people prefer Arums, owing to the powerful and sickly perfume of the longiflorum type when massed in a room.

Fighting Plant Diseases and Pests

Science, in fighting diseases in plants, develops rapidly, more so, perhaps, than in other directions. While for centuries the energies of scientists have been devoted to combating diseases that affect animal life, it is only in comparatively recent times that really determined efforts have been made toward elucidating the mysteries that conceal the workings of pests and diseases affecting plant life. Many there are who declare that modern plants are more addicted to disease than earlier forms, but probably the real fact is that all forms of plant disease have been prevalent from the time of Adam, although cultivators have been content to let things slide. Lack of knowledge and care has doubtless brought about an increase of disease, and growers have been compelled to give the condition attention and seek the aid of the scientist, who has, perhaps, scared us not a little with his terrible names, and whose advice sometimes may not prove satisfactory; but, nevertheless, it is to him that we are indebted for the knowledge of how diseases and pests propagate, and this knowledge, coupled with his assistance, has enabled us to combat things that might easily make it impossible to cultivate certain plants.

I am led to make these remarks through a chat with a well known Fern grower, whose nurseries were in the grip of the Fern mite, a pest introduced through some bought stock. This occurred some years ago, and being unable to secure any reliable information as to clearing out the pest, he enlisted the help of one or two doctors, and between them they experimented. Crude nicotine proved useless, for it killed the plants without injuring the mite. After some weeks of worry, they hit upon formalin; this fluid settled the mite, but many thousands of Ferns were destroyed before the right strength at which to use it was discovered. Formalin, the doctors informed the grower, would harden skin, and it was surmised that by hardening the backs of the mites trouble to them would follow. It did, for the fluid caused the mites to crack open, and ended their days in quick time.

In much the same way the method for coping with the dreaded silver leaf disease in Plums and other fruits was suggested. Nothing could be discovered that would shed light upon the actual cause of this disease, but someone suggested the use of sulphate of iron, and this was applied by boring into the stem of the tree and plugging the holes with sulphate. The notion was ridiculed at first, but it is gradually becoming apparent that injections of such kind can, and do clear silver leaf and chlorosis in trees.

In Germany, an experimental injection of iron sulphate cleared a number of trees of chlorosis, and quite recently a famous Jersey nurseryman reported that he had succeeded in curing a number of trees affected by silver leaf in the same manner.

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article III—Continued

Large vs. Small Houses

The terms "large" and "small" being only relative do not convey a very clear idea as to the size of a house, and the question would naturally arise: What is a large and what is a small house?

Not many years ago a small house was considered anything less than 18 ft. wide, and few growers cared to deviate from the regular beaten track of an 18 ft. or 20 ft. wide house; but when some of the more enterprising ventured beyond these limits and erected houses from 25 ft. to 30 ft. wide they were looked upon as large houses.

We can safely say that at the present stage of greenhouse construction any house 35 ft. wide or less may be classed among small houses, and large houses include everything above 35 ft. wide. At the present time a house 60 ft. to 70 ft. wide is generally looked upon as the practical limit, but the strides with which greenhouse construction is progressing seem to indicate that this limit is likely to be increased, as, already, houses of 150 ft. wide and over have been erected successfully. From the grower's standpoint there are various problems which have not yet been settled to his satisfaction, in connection with the use of such wide houses; but there is not the slightest doubt that these various difficulties will be overcome, and in the not very distant future a 60 ft. wide house will hold the same relative position in the minds of growers as a 30 ft. house does today.

At the present stage of greenhouse construction the question, "What is a large house?" is frequently answered by stating that it is a single span house which will cover the same ground as two 18 ft. wide or wider houses.

During the past few years the advocates of large and small houses have been making such positive statements for and against their favorite width of house that many growers contemplating building find themselves decidedly mixed, as one grower put it recently.

It is, therefore, our purpose to take up the consideration of this question from an unbiased standpoint and to present facts and figures in connection with the various proportions of large and small houses, so as to give as much definite information as possible with a view to assisting a grower to decide intelligently whether a large or small house is best suited for his requirements.

For many years, as before stated, the 18 ft. and 20 ft. houses were considered the regulation size for a commercial grower, but, gradually, these widths have kept increasing and are still increasing, and from all appearances the wide house has come to stay; therefore, there must be some merit in a large house from a grower's standpoint.

In the development of the wide house it has been found advisable to place walks at the sides of the house, instead of benches as has been the usual custom in narrow houses. One of the reasons for this change is that in houses constructed with a high ridge there is a more rapid circulation of the air than in the small houses, and the natural course of the cool currents of air is down the underside of the roof, and if the bench was placed at the side it would obstruct the rising of the heated air to offset the descent of the cooler current, the result being that the plants in the side beds would be exposed to the draught of the falling cool air; but with the benches removed so as not to prevent the rising of the heated air at these points, and with sufficient heating surface placed at the outside of the house, these cold draughts are avoided.

Another reason for this change is that it is at times desirable to provide side ventilation, and in such cases the plants in the side bed would suffer from the current of incoming air, which in the case of the high ridge houses is more rapid. There is also another point that is in favor of the sidewalk, and that is the fact that it is desirable to have all the beds as nearly as possible of uniform width, the most desirable widths being from 4 ft. to 6 ft., generally not over 5 ft. wide; but the narrowest of these widths would be too wide for a side bench, therefore it is necessary to have access to the bench on both sides, and for these reasons it has been found desirable to have walks at the outside. Because of this it is necessary to raise the eaves of the house so as to give ample head room, and a height of 6 ft. 9 in. from the top of a walk to the glass line at the eaves has been generally found to be ample for almost every construction, as with a 2 ft. walk between the inside of the concrete wall of the house and the side of bench it would give a height of about 7 ft. 7 in. from the center of the walk to the glass line.

It has frequently been stated, as a matter of experience, that a large house is easier to heat than a small one, and in the case of the average grower who has not had experience with a house of this character it is somewhat difficult to convince him of the fact at first. Various reasons have been advanced to explain this, one being that the cubical contents of a large house are so much greater in proportion to the glass that the air is not renewed as frequently as in a small house; but when it is taken into consideration that in extreme Winter weather, when every lap of the glass is frozen and the frost has almost hermetically sealed the house, under such conditions the question of the change of air enters very little into the matter. Still, it is found that it is easier to maintain a given temperature in a large house than a small one. We are compelled to look for a further reason, and we believe it is due to the following causes: It is a well-known fact in connection with heating, that heat is given off by a warmer body to a cooler by three methods, viz.: radiation, conduction and convection.

Radiant heat is the heat which passes directly from a warm body at right-angles to its surface, until it comes in contact with some other solid body. This portion of the heat passes through the atmosphere without affecting its temperature to any appreciable degree, except in the case of a very large body of air containing a large percentage of vapor, in which case some of the heat of radiation is intercepted; but in the case of the comparatively small body of air in a greenhouse it has practically no effect on same.

The second method of transmission of heat, conduction, is when heat is applied to one end or side of a piece of metal it gradually passes through same, the amount of heat passing depending upon the thickness and also upon the difference in temperature between the two sides; that is, the amount of heat given off by a steam pipe depends upon the difference of the temperature of the air in the greenhouse and the pressure or temperature of the steam in the pipe. The greater the difference between these two the more heat will be given off by the steam pipe, and this amount may be still further increased by increasing the velocity of the air passing over the pipe.

The third method of heat transmission is that known as convection, which enters very largely into the means of heating a greenhouse. The heat of convection is the heat which is given off when a body in motion comes in contact with a heated body, as, for instance, when the air passes over the heating pipes, or over any other body which has been warmed by the radiant heat. Therefore, this is practically the only means of warming the air in a greenhouse. It is also only by means of convection that the air gives up its heat—apart from the question of leakage—that is, by coming in contact with the glass or other cool outside surfaces as it passes over same; thus, the greater the amount of air in a greenhouse in proportion to the glass surface, the longer it will take for the air to come in contact with or pass over same. Hence, when the air is once heated it is much easier to maintain the temperature in a large house than a small one, because of its greater cubical contents.

Another reason in connection with the matter of the ease of heating a large house is the fact that owing to the height of the ridge there is a more rapid circulation of air over the heating surface, and this causes an increase in the efficiency, that is, the more rapidly cool air passes over a steam pipe the more steam it will condense in a given time.

The cause of this more rapid circulation of air is due to the difference in the weight of a column of heated air and an equal column of cool air, and the greater the height of the two columns the greater is the total difference. This is the reason why some have complained of feeling draughts in large houses, and such drafts are due to the fact that the heating surface has not been properly located, there not being sufficient surface put at the sides of the house to counteract the rapid movement of the cool air down the roof glass to the sides. The natural tendency of the air in a house is to pass down the outside of the house and rise in the center, but by a judicious distribution of the heating surface this difficulty is easily overcome; the fact of this so-called draught having been observed in a large house, however, demonstrates that there is a rapid circulation of air, and this results in increased efficiency of the heating surface. That we may more intelligently consider the arguments for and against large and small houses we have prepared several sections with proportional tables.

Fig. 23 shows two 20 ft. wide even span houses in dotted lines, placed with 8 ft. between same to avoid the shadow line at 25°; and enclosing these two houses is shown one 48 ft. house with 5 ft. high eaves, as indicated by the dotted lines marked A at ridge; and also a 48 ft. house with 6 ft. 9 in. high eaves marked B at ridge. To the right of these sections will be found a table showing the comparative proportions between these houses.

Comparative proportions per lin. ft. of two 20' houses and one 48' house

	Two separate 20' wide houses	One 48' house 'a' with 5'-0" eaves	One 48' house 'B' with 6'-9" eaves
Height of ridge	10'-10"	19'-0"	20'-9"
" " vent above bed	6'-10"	14'-9"	16'-6"
Total exposed surface measuring from sill to sill	56'	60'-7"	64'
Cubical contents.	317'	576	660'
Proportion cubical contents to glass surface	5'3"to1	9'5"to1	10'3"to1
Distance required between houses to clear shadow	8'-0"	11'-9"	15'-6"
Number lines in steam pipe required to heat to 60 at 0°	22	22	22
Area of Beds Sq. ft.	28'	34'	34'

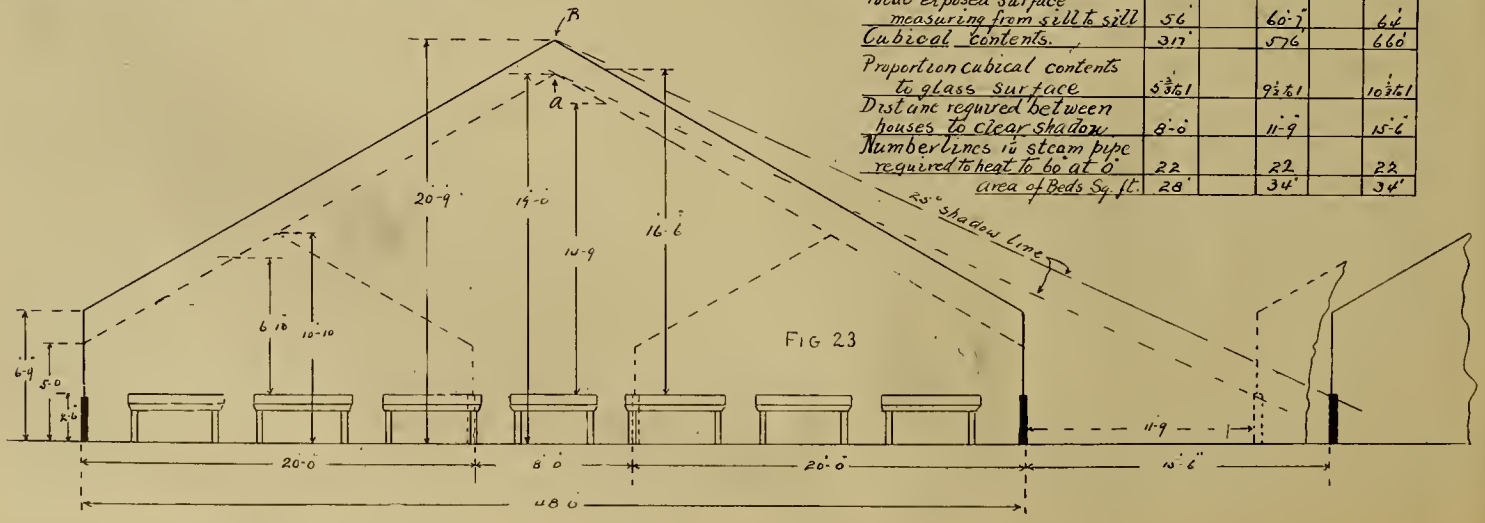


FIG 23

New Hydrangea hortensis Sea Shell
Grown by John Lewis Childs, Floral Park, L. I., N. Y.

It will be seen that the ridge of the 20 ft. houses with the 7 in. pitch is 10 ft. 10 in. high, and the ridge of the 48 ft. A house is 19 ft. high and the space between two 48 ft. houses of this height of ridge, to avoid the shadow of 25°, would be 11 ft. 9 in.; thus, two such houses could be erected with only a waste of a space 11 ft. 9 in. wide, whereas if four 20 ft. houses were erected with a space of 8 ft. between each, as required, it would mean a waste of nearly 100 per cent. more space, or 24 ft. But, as previously stated, in a wide house it is desirable to have walks at the side, thus necessitating the raising of the eaves to admit of head room in the side walks, consequently it would be necessary to construct this 48 ft. house with the 6 ft. 9 in. high eaves, as shown by section B. With this house the height of the ridge would be 20 ft. 9 in., and the space required between two such houses would be 15 ft. 6 in., still showing a saving of waste space between the houses of about 33 per cent. in comparison with the 20 ft. houses. It is also seen from the table that the height from the bottom of the vent sash in the 20 ft. wide houses is only 6 ft. 10 in. above the top of the bed, whereas in the 48 ft. B house it is 16 ft. 6 in., and this difference in height makes it possible to give required ventilation in damp weather without injuring the plants, which would be impossible in the low houses.

In the case of the two 20 ft. wide houses, the total cubical contents for the two houses per lineal ft. of house is 317 ft., and the glass surface from sill to sill is 56 ft., thus giving 5 2/3 cubic ft. of air to each sq. ft. of glass. In the 48 ft. B house there is 660 cubic ft. of air to 64 ft. of glass, making a proportion of 10 1/3 cubic ft. of air to one sq. ft. of glass. Thus, there is very nearly double the amount of air in the latter house to each sq. ft. of glass than in the two 20 ft. wide houses. It will be very evident, therefore, in view of what has been already stated regarding the matter of heating, that it will be much easier to heat the wide house than the two narrow houses, and this is still further shown by the fact that this same house can be heated to a temperature of 60° when the outside atmosphere is at zero with the same number of lines of 1¼ in. steam pipe, 22, as the two 20 ft. houses, although there is over 20 per cent. more bench room in the wide house than in the two narrow houses. Also, with this additional bench area there is only about 15 per cent. more glass in the 48 ft. B house than in the two 20 ft. houses, which, of course, means a reduction in the first cost. It is very evident therefore that in this instance the 48 ft. house is more desirable than the two 20 ft. houses.

(To be continued)

John Lewis Childs, Floral Park, L. I., N. Y.

Considerable activity has prevailed in the bulb department of the John Lewis Childs establishment at Floral Park, Long Island, this Spring, due mainly to the transferring of the Gladioli growing department to the new property at Flowerfield, between St. James and Stony Brook, L. I., and about 35 miles distant from Floral Park, on the Long Island Railroad. The property at Flowerfield embraces about 700 acres, of which 200 acres are to be planted with Gladioli this season. Five carloads of bulbs have already been shipped to the field of operations and others are to follow quickly. A bulb house, 90 x 200 ft., one story, with a cellar 50 x 90 ft., is in course of construction at the new site.

At Floral Park, the retail end of the business is to be conducted as usual. A great quantity of stock has this season been shipped but there seems plenty of everything to fill any orders that may come in during the remainder of the season.

The different greenhouses are having their contents straightened up for the Summer run. Particularly noticeable in two of the houses are large blocks of Phoenix Roebelenii, containing small plants in 2-in. pots to finished plants in 8's and 9's. There is a large block of fancy Caladiums, the production of which is a specialty at this establishment. Fancy Callas are also to be seen in quantity.

One of the most interesting things to be seen on the grounds is a bed, one of two planted, of Daphne Cneorum, well grown and beautifully fragrant. Such a bed is rarely seen.

There is a fine stock of the Yellow Lilium Hansoni, a somewhat rare variety of Lily, as may be judged from the price of the bulbs which is $30 per 100 wholesale. There is also a nice bed of Lilium tenuifolium.

Some seedling beds of Gladioli are quite interesting, as showing the extent to which hybridization is conducted at this establishment. The beds, at present, are covered with excelsior and further protected by lath shading.

A bed of Lycoris squamigera is now at its best for the showing of its foliage. This foliage will very shortly die down and its place be taken by the tall flower heads used by florists around August.

Iris Regelio cyclus, the Mourning Iris of Japan, is now in flower, as well as many other varieties of the type. In one of the show houses is a block of plants of a new Hydrangea hortensis, called Sea Shell. It is an exceedingly handsome variety of the type and the color of its flower clusters is well described in its name, Sea Shell. It is a very handsome thing and should figure prominently at exhibitions in the near future.

The only field-grown stock to be grown at Floral Park this year will be Cannas, of which the usual planting will be made, occupying five or six acres.

Bed of Daphne Cneorum at John Lewis Childs', Floral Park, L. I., N. Y.

There is no trade medium published that begins to equal the EXCHANGE in giving returns to all of its advertisers. Test it for yourself.

A Bench of Fancy Caladiums, at John Lewis Childs', Floral Park, L. I., N. Y.

Reminiscences of Wm. R. Smith

Supt. of the U. S. Botanical Gardens at Washington, D. C., and Father of the National Charter Granted the S. A. F. and O. H.

BY J. L. CARBERY

Under the shadow of the statue of the Goddess of Liberty which, for years, has commemorated the freedom of our nation, is the modest but well loved home of William R. Smith, in the U. S. Botanical Gardens, of which he is superintendent. Of the throngs who daily pass this home, the majority are as ignorant of the wealth of rare intellect to be found therein as of the long life Mr. Smith has spent in the accumulation of treasure there stored, to immortalize his beloved Robert Burns. All this material Mr. Smith epitomizes as his "Paper Monument," the equal of which the country has never seen. The walls are closely hung with innumerable portraits of Burns and illustrations of his works, including rare photographs. These two rooms are especially dedicated to the Immortal, and, on entering, within their portals the visitor's impression is one of perfect repose and peace.

The fickleness and vanities of modern life have not penetrated here; there is an all-pervading air of sanctity and of days gone by. Antique bookcases of rare and beautiful design ornament every available space, while volume after volume of well-thumbed pages lie close at hand, and are best described in Mr. Smith's own words: —"The library contains professional, historical and biographical literature, but, especially, a paper monument to Robert Burns, the like of which does not exist in its completeness anywhere. A paper monument will outlive the bronze monuments; it will do more good and speak ten times louder and better for the individual commemorated. There are 600 editions of and hearing on Burns, nearly 5000 volumes, illustrated by 40 volumes, and with 100 indexed articles on Burns. Of every book that Burns owned (he had ninety pounds sterling worth at his death) and of every book which he borrowed or loaned, a copy will be found in this library, with a few exceptions which will be obtained as soon as possible." A complete catalog of Mr. Smith's collection is now being prepared in Scotland.

With all that ardent love for the immortal Burns, which has induced the spending of a long life in the accumulation of material covering his life and works, space has been reserved for portraits of Mr. Smith's personal friends, Andrew Carnegie, Pres. Lincoln and many other prominent men.

Fifteen miles from Edinburgh, Scotland, stands the town of Haddington, and near this, the village of Athelstoneford, in which latter Mr. Smith was born in 1828, and near which he served his apprenticeship as gardener. Owing to emigration the village only accumulated 200 inhabitants in 900 years. His parents died during his early childhood and his high sense of appreciation of an education induced him to walk eight miles, three times a week, from St. Andrews to Mount Melville, to attend night school.

Mr. Smith characterizes this as one of his best experiences, when he was afforded an opportunity to "measure himself in comparison with other boys." Near the village of Athelstoneford, after his days of apprenticeship were over, Mr. Smith served three years as journeyman in the gardens of various Scotch noblemen, and at Kew. In 1853, being then 25 years old, he came to America, a stranger to a strange country, with a reputation to build, and with no better asset than the following letter which stood him in good stead and which he has in his possession to this day.

We quote the original:

Edinburgh, Jan. 28, '53.

To Messrs. Parsons & Co., New York City.

Gentlemen: I beg leave to introduce to you Mr. William Smith, the bearer of this. He is recommended to us by Mr. Smith of the Kew Gardens, London. He proceeds to your country in the capacity of a gardener, and if you can be of any service to him we shall feel much obliged.

With best respects we remain, truly gentlemen, your faithful servant,

(Signed) P. M. LAWSON.

Mr. Smith has been in our grounds a short time, and seems well acquainted with his business.

Mr. Smith's first employment in this country was with Dundas, in Philadelphia, and great was his surprise, while engaged in potting Ferns, the labels of which had become misplaced, so as to require correct labeling, to discover the identical labels which he himself had written and placed on the Ferns in Kew Gardens, London. Mr. Smith explained that in numbers these Ferns consisted of about 50 or 60 plants, the best and perhaps the most distinct stock in this country at that time. Quite recently Mr. Smith paid a visit to Philadelphia again and, at Dreer's, saw a stock of two and one-half million Ferns offered for sale. He explains that his early experience as described was the beginning, the latter experience the end; and many of these latter Ferns were descendants of the first named. He characterizes Ferns as the personification of grace and elegance.

On the 18th day of March, some three weeks after presentation of the letter, and just after the inauguration of President Pierce, Mr. Smith came to the Botanical Gardens at Washington, D. C. The place was then in its infancy, a segment of a fever-laden swamp. Mr. Smith tells how many thousands of loads of earth were consumed in filling the portion now occupied by the Gardens and, under the very house in which he now lives, there is a fill of eleven feet. He tells of how two rooms on the ground floor were allotted him for his use, one for sleeping, the other as a storage room for pots, among which it was no infrequent occurrence to find snakes. Not being an Elsie Venner, this unpleasant local condition led Mr. Smith to purchase a book on snakes peculiar to this section, with a view to ascertaining to what extent his life was endangered. Great is the change since then; the Gardens are most complete in the botanical collections which they contain, and above all, Mr. Smith together with his old friend and associate, John Clark, stand responsible for the correctness of every label.

"Many years ago," said Mr. Smith, "John Clark and I got up an excursion to Box Hill, Scotland, for the purpose of securing specimens of plants indigenous to the place. The Regent Park folks were our competitors; we all went in an omnibus, the fare being one shilling. We had arranged that any man not on hand promptly at four o'clock (for the return trip) would be left behind. When ready to start, it was discovered that eleven distinct native specimens had been gathered by our party, and only nine varieties by our competitors, but they had the honor of having found the only plant of Ophioglossum vulgatum, a rare, terrestrial Orchid.

"The spirit of rivalry induced me to ask where this variety was found and, when told of the place, we two decided to return in search of one. Being successful, and returning to take the omnibus, we found that the hour of four had just passed, and that the vehicle had already started. Mr. Clark proposed that we should 'run for it' but, having the total aggregate of fares (22 shillings) in my pockets, I decided that 'running for it' would not be necessary; so calling to the driver that I had all the money, the omnibus immediately stopped and we got aboard."

Mr. Smith stands as a fine example of moderation in all things, both eating and drinking sparingly. He is a prominent member of the "Oldest Inhabitants' Society" of this city, in which he takes an active interest; organizer of "St. Andrew's Society"; and of the "Jean Armour Burns Club."

His enthusiasm for the Society of American Florists is great, and upon his walls hangs the charter for which he fought nine years and upon which he will have more to say later.

He was much pleased with his recent Philadelphia trip, the first since his elevation to honorary membership in the American Association of Park Superintendents, and says he there met a "few" very intelligent men.

Mr. Smith is 82 years old, hale, hearty and robust.

W. R. Smith in His Home at Washington, D. C.

CINERARIA CACTUS FLOWERED HYBRID.—The French National Society of Horticulture recently awarded a certificate of merit to a new race of Cineraria named Cineraria Cactus flowered hybrid, which is distinguished by petals that curl under, like those of the Cactus Dahlia. It has been under observation in the trial grounds of Vilmorin-Andrieux & Co. these five years. The issue of various crossings, it is now well fixed and comes perfectly true from the seed. It has the habit of the Cineraria large flowered hybrid, but its flowers are somewhat smaller, and hence more numerous; it comes in all the colors of the hybrid, in those of the varieties Old Rose, Matador, etc., and of all their derivatives. Being an excellent grower, it is well adapted for any kind of decorative purposes.—*Revue Horticole.*

The cut flower industry of Paris is greater than that of any other European city with the single exception of London. There are more than 500 retailers, who do a business worth $6,000,000 in the course of the year. They get their supplies largely from the suburbs of the city, where thousands of acres are devoted to this industry. The growers in the different suburbs specialize in some one flower. In three or four of these suburbs Roses only are grown, in one only the bulbous plants, while all the establishments in the suburbs to the south of the city are given over entirely to Violet culture. All these places, however, are within a radius of 12 miles from the center of the city, since the growers must themselves haul their flowers to the markets of Paris in order to derive any profit. The bulk of the flowers go to the Central Halls, whose Flower Exchange is second in importance only to that of Covent Garden, London.—*Bindekunst.*

The Passing of King Edward VII

British gardeners and horticulturists in general have lost in King Edward one of their most generous patrons. A great lover of flowers and everything pertaining to the beautiful in Art and in Nature, he had endeared himself to all who were connected with our profession by the keen interest which he took in gardens and gardening in general, and particularly by the keen interest which he had always shown in the affairs of the Royal Horticultural Society of England. Both the King and Queen were familiar figures at the Temple Show every year, and members of the R. H. S. will recall with pleasure the great honor done them by the King when he opened their splendid new hall in Vincent Square, London, some few years ago.

Anyone who has had the good fortune to visit either Windsor Castle or Sandringham must have marveled at the good taste and broad ideas shown by the late King

An American Wreath for King Edward's Tomb—See Text
By J. H. Small & Sons, Washington and New York

in the laying out of the grounds and gardens at those places; and I have the authority of a well-known landscape gardener in saying that many of the King's ideas and conceptions of landscape architecture positively amounted to genius. This was clearly shown to anyone who visited Sandringham, where I had the pleasure of spending four of the happiest years of my life.

One of the stateliest of all the stately homes of old England, Sandringham, has always been the mecca of garden lovers from all over Great Britain. The estate was bought by the late King close upon fifty years ago, and he had ample opportunity during his lifetime to present his idea of what a country estate should look like. It was the home of a "peacemaker" in every sense of the word, and he showed an old-fashioned fondness for a mansion covered with creepers and vines. Ampelopsis Veitchii, Euonymus radicans variegata, Roses and Honeysuckle rambled over the walls and gables in delightful profusion, charming to the artistic eye.

The grounds at Sandringham, as I remember them, were almost beyond any description which I could write. There were artificial rivers, spanned by rustic bridges, lakes, and islands with their caves and grottoes. There were terraces and retired alcoves; winding ways cut through sweet smelling thickets; and meadows of brilliant green, and delicate woodlands. There were noble and impressive Oaks of grand proportions, which had withstood the gales of many centuries, and which gave a dignity and charm to the surroundings. I can remember that there were long stretches of beautiful green lawn, with here and there a sentinel Yew, which gave the effect of open, sunlit spaces, contrasted with sombre shadows. Then there was the Queen's Pansy garden, with its clipped box edging and white shell walks; one could never pass this garden without admiring the simple and refined taste of the Queen.

The giant Oaks, the solemn sentinel Yews, the lake with its dainty islands and Water Lilies made a picture of unusual charm and character. At every turn of a path one would see something to admire; something which would show the quiet, yet effective taste of the owner; something which would go to show that we can sometimes judge the character of a man by the objects which he chooses to surround him.

Many are the stories I could tell of the late King's kindness and tact in his dealings with his servants. Warm-hearted and generous always, he was most particular as to the comforts of those who were in his service; and I remember him on one occasion saying in his bluff hearty manner that he wanted us all to feel that we were at home, and were members of the family. That he succeeded in making us feel at home I can well testify by my own experience, for nowhere have I been so happy, and nowhere have I seen a more contented lot of employees than those who were in the King's private service at Sandringham.

During my lifetime I have seen King Edward in many different rôles, but I like best to think of him as the kindly, old-fashioned gentleman whom I worked for at Sandringham; who always had a hearty "Good Morning!" for you in return for your respectful salutation; and who would stop and ask you the names and history of different flowers, in a delightful manner, entirely free from any "standoffishness." His charm of manner, his many accomplishments, and his art of being gracious were inherited qualities which knew no neglect, even in his dealings with those who were his servants; and while in this latter day, and with a new community, we see little of those old-fashioned manners where the courtliness yet lingers, or has left an imprint, let us pause to pay them tribute.

San Francisco, Cal. WM. MCM. BROWN.

An American Wreath for King Edward's Tomb

J. H. Small & Sons, the florists of Washington and New York, shipped on Saturday last, May 14, by the White Star Liner Baltic, a wreath made of Oak foliage from a tree planted by King Edward VII at Mount Vernon, Va., in 1860, when, as Prince of Wales, he visited this country. Interspersed with the Oak foliage were Magnolia leaves taken from the grave of George Washington at Mount Vernon. The wreath was tied with a broad purple ribbon, and a knot of red, white and blue ribbon. It was accompanied by an engraved card bearing the following inscription:

"This wreath of English Oak, the leaves from the tree planted at the tomb of Washington by King Edward VII, when Prince of Wales, and of Magnolia leaves from the tree planted by Washington, is presented in evidence of the honor and affection in which the late King Edward VII was held by the Mount Vernon Ladies' Association."

The wreath was sent in care of the American Ambassador, who will see that it is placed on the tomb.

Through the courtesy of Messrs. Small, we are enabled to present an illustration of the wreath.

Wreaths at the Casket of Edward VII

There was an ocean of floral tributes at Buckingham and Windsor Palaces, some costing as high as $800 each. The Aga Khan, the wealthy head of the Ismaili Mohamedans, one of the most distinguished of Eastern potentates, sent one of the most costly and beautiful tributes that florists could possibly create. It was a huge wreath, six feet in diameter, on a background of laurel, with serried rows of Roses and one thousand white Lilies.

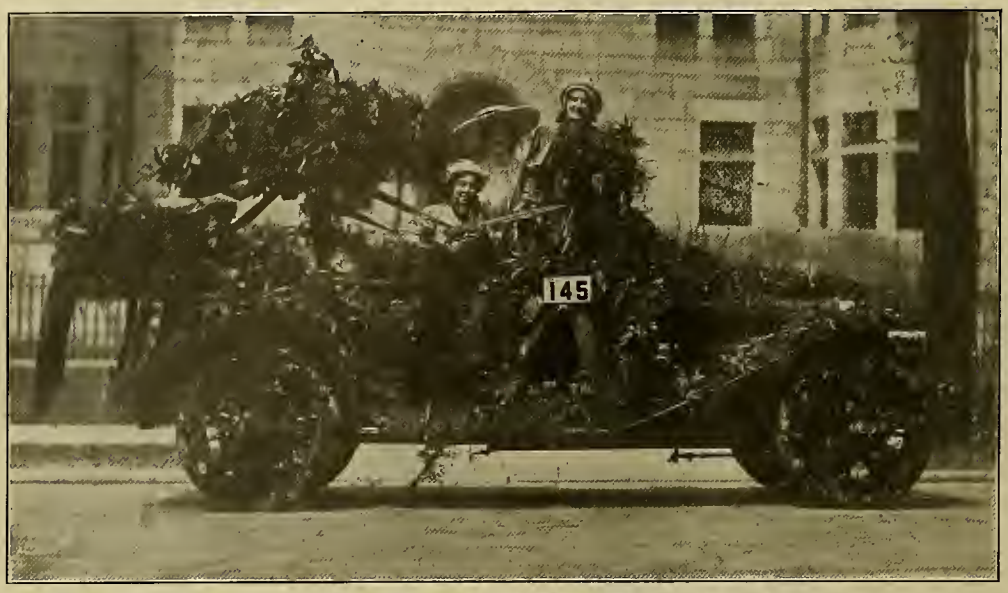
Hughes' May Day Party

More than 100 public school children participated on Saturday evening, May 14, in a May party and entertainment, which was witnessed by several thousand persons, in the florist store of H. R. Hughes, 1859 Van Buren st., Chicago.

The children, who ranged from 10 to 12 years in age, had been drilled for several weeks by Mrs. Peterson Marcy, a teacher in the Marquette School, and more than sixty, clad entirely in white, danced about the May pole in relays of sixteen each.

Several specialties were added to the regular program, after which refreshments were served. Upon leaving each child was presented with a box of candy, upon the top of which was the picture of every one who took part in the program. The children were selected from pupils of the Marquette, King, Irving, Grant, Brown, Tilden, Jefferson, Skinner and St. Jarlath's schools.

Windsor Castle, England. View of the East Terrace



Mrs. Chas. W. McKellar's Car, Which Carried Off First Honors in the Private Owner's Class in the Recent Chicago Floral Parade

Among the Philadelphia Retailers

M. J. Callahan, 38th and Market sts., reports good trade Mothers' Day. This store has a large call for window boxes and carries a good assortment on hand for selection.

C. A. Bradin, formerly of 3325 Woodland ave., being compelled to seek new quarters, found a good location at 3928 Lancaster ave., next door to West Philadelphia's largest department store. This move brings Mr. Bradin back into nearly the same location he had some fifteen years ago.

La Gierse Bros., 4653 Lancaster ave., have finished repairs made necessary during the recent strike of trolleymen when explosives placed on the track threw a car up against one side of one of their greenhouses. Funeral work has been very brisk and a large order from Shenandoah made it necessary that two men go there to make up the designs. Landscape work is coming in much faster than it can be done, and a scarcity of men makes it compulsory to refuse some orders.

Otto Didden of Mt. Moriah Lane has a splendid lot of Joost Carnations. His Spring stock is going very fast and he is making up numbers of window boxes which sell at prices ranging from $2.50 up. The boxes are 2'x8" and are very popular. Mr. Didden recently opened a store at 1835 South st. which is doing very nicely for him so far.

Chas. A. & Wm. R. Stuart opened a store at 6402 Woodland ave. about Thanksgiving time and report a busy Winter's work. Chas. A. Stuart was several years with the Highland Rose Co. of Morton, Pa. and later with Wm. R. Stuart in his store at 231 No. 8th st. A Hill

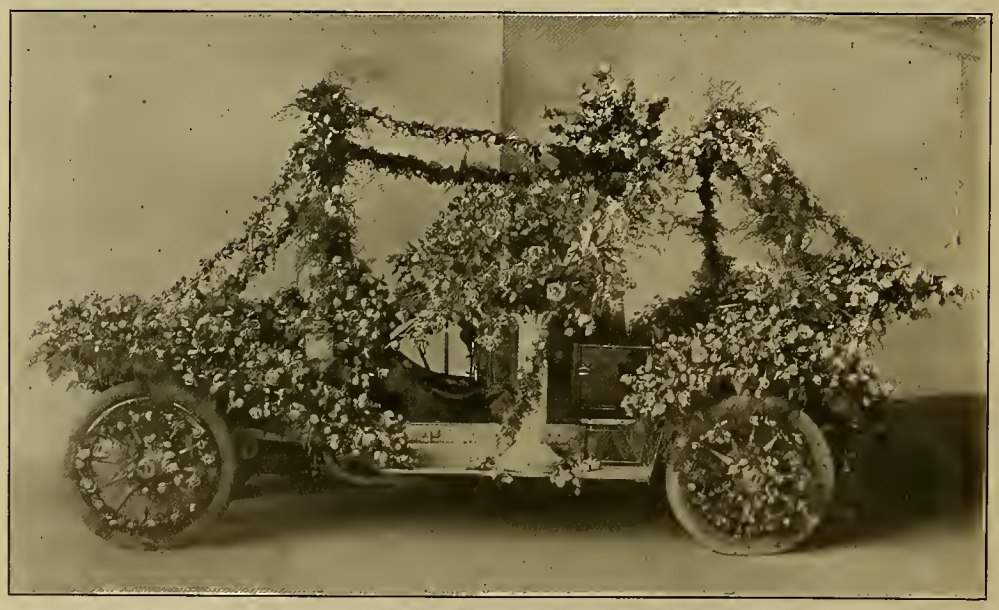
A Notable New York Wedding

The marriage of Miss Madeline Borland of 116 E. 37th st., New York City to Clarence C. Pell was celebrated at the Church of the Incarnation, 35th st. and Madison ave., on Tuesday, May 17. The decorations were furnished by M. A. Bowe, 1294 Broadway. The color scheme was pink and white, and was very artistically and pleasingly carried out. The gallery above the entrance was heavily festooned with Wild Smilax, with a centerpiece of white Peonies. Large Palms stood at the right and left of the entrance doors, within. The twelve pillars of the church were covered with boughs of Dogwood, Apple, and Viburnum blooms, with a heading of Smilax. On every alternate pew were tied, with white ribbon, large bouquets of either white or pink Peonies, and Spiræas. At the head of the church, on either side of the chancel, were masses of Palms. Among them were pink Hydrangeas and white Spiræas. The fronts of the pulpit and lectern were banked with white and pink Peonies, Antirrhinum, and Apple blooms. From the sounding-board hung loopings of pink Killarney Roses.

The chancel rail was heavily crowned with pink and white Antirrhinum. Against the reredos was placed a large cross of White Killarney Roses, and on either side of this was a banking of white Peonies and Antirrhinum, and there was a banking of the same against the end of the choir stalls.

The bride carried a prayer book decorated with Lily of the Valley and white ribbon. The Bridesmaids carried bouquets of Sunrise Roses and Adiantum Farleyense. The ushers wore boutonières of Gardenias.

Sandringham Palace, England, the Favorite Country Home of the Late King Edward VII



D. J. Joyce's Auto Winning First Prize in Chicago Floral Parade on May 9. 5000 American Beauty Roses Were Used, of Which 500 Were in the Two Vases Alone.
Decorator, J. Raske, Jackson Boulevard, Chicago

ice box was recently installed here of 300 lbs. ice capacity, and, so far, has averaged a cost of 5c. per day for ice. Some business is done here with the Illinois Self Watering Flower Box and the Air Plants in baskets are going fast.

M. C. Dunn, 618 Chestnut st., is still troubled from Primula poisoning which he contracted last Spring, but he has now found a remedy. Mothers' Day trade was excellent.

Geo. Carpenter, 60½ st. and Girard ave., has had all hands moving lively getting out orders for Spring stock; the past week was the most busy one ever experienced. The stock in this range is in splendid condition and up to his usual standard.

Frank M. Ross reports a fine Mothers' Day business in the W. Philadelphia store at 13 So. 60th st. This store is well furnished with signs appropriate to the season calling attention to articles and flowers on hand.

Wm. C. Smith of 61st and Market sts., has joined the ranks of retail store keepers, and at Easter opened one at 24 So. 60th st. cor. Ludlow, and close to the 60th st. elevated station.

W. Wilkinson, 49 N. Salford st., has a splendid stock of Geraniums which are "just right." A recent order was from a builder who had vases filled and set on every porch of a number of houses about to be placed on sale. This made a fine showing when both sides of the block were so fitted out. Percy Utterman formerly with M. J. Callahan, is now with Mr. Wilkinson.

Henry Engler, 4651 Lancaster ave., has some 10,000 sq. ft. devoted to bedding stock, Palms, Ferns and Ivy.

Retail florists are invited to send us items of trade interest for publication on this page; clear photographs of good designs will also be appreciated. These latter should always be packed carefully between boards.

Florists in good standing throughout the country can rail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from heir local customers, transmit same to an advertiser n these columns, and thus avail themselves of the opportunities for extension of trade which are open to ll. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are ll considered by the publishers of The Florists' Exhange as being responsible, and will accept and fill rders for Flowers, Plants and Floral Designs for teamer Orders, departing Trains, or any given point ithin their reach, forwarded them by mail, telegraph r telephone, in the respective districts to which their rade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper s to the satisfactory fulfillment of orders sent to artiss whose names appear in this Directory, we will tate that only concerns of known good standing will be dmitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the ands of every advertiser, will greatly facilitate this xterchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street
ut flowers or floral designs delivered to any part of Alany and vicinity on telegraphic order. Personal attenon given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street
Ve cover all of Georgia, and are within easy reach of ew Orleans, Jacksonville, Birmingham, Chattanooga nd Charleston. Retail orders placed with us will reeive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street
Ve cover all New England points. Retail orders placed ith us receive careful attetion. The delivery of flowrs and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — BOSTON, MASS. — 24 Tremont Street
rders by wire receive prompt and careful execution. Ve can refer to leading florists in all principel cities. stablished 1870.

Zinn the Florist — BOSTON, MASS. — No. 1, Park St. No. 2 Beacon St.
Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Robt. G. Wilson — BROOKLYN, N. Y. — Fulton St. and Greene Ave
eliveries anywhere in Brooklyn, New York, New Jersey nd Long Island. Trade orders cared for from all parts f the country and delivered at Theatre, Hotel, Steamer r Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — BUFFALO, N. Y. — W. J. PALMER & SON, 304 Main St.

Hauswirth — CHICAGO, ILL. — The Auditorium Florist, 232 Michigan Ave.
he quality of our work is of National repute, and we re prepared to execute commissions in first-class style n Chicago and its environs.

JULIUS BAER, CINCINNATI, O. — Fourth St.

Frank F. Crump — COLORADO SPRINGS, COLO. — Retail Florist
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co. — CONNECTICUT — New Haven — 1026 Chapel St., Opposite Yale College
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street
Flowers in any arrangement for all occasions for Dayon and vicinity. Personal attention given to all orders. Long distance telephones.

Basket Composed of Roses, Lily of the Valley and Peonies

One house is nearly filled with some well-colored Pandanus Veitchii in 4-in. pots; another has a large quantity of healthy looking English Ivy in 2" pots. Mr. Engler takes considerable pride in keeping up his front yard and has same well laid out with shrubs, vases and flowers, furnishing an object lesson and making a good advertisement for him.

Mrs. Riehs of 1020 No. 5th st. has finished the repairs necessary upon the conservatory in rear of store and has greatly improved the appearance of both store and glass, making a larger appearing shop.

T. Neilson Geiger, 13th and Walnut, reports a splendid sale of made-up baskets; these were the best sellers during and since Easter.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Minneapolis	M'y 21	9 30 am.	W. 16th St., N.Y.	London
Celtic	" 21	9 30 am.	W. 21st St., N. Y.	Liverpool
K. A. Victoria	" 21	10.00 am.	1st St., Hoboken	Hamburg
New York	" 21	10.00 am.	W. 23rd St., N.Y.	Southampton
Prinz. Irene	" 21	11.00 am	3rd St., Hoboken	Naples-Genoa
Lapland	" 21	11.00 am.	W. 18th St., N. Y.	Antwerp
Furoessia	" 21	3.00 pm.	W. 24th St., N.Y.	Glasgow
Kronp. Cecilie	" 24	10.00 am	3rd St., Hoboken	Bremen
Rotterdam	" 24	10.00 am.	5th St., Hoboken	Rotterdam
America	" 24	12.00 m.	W. 34th St., N.Y.	Naples-Genoa
Campania	" 25	9.00 am.	W. 14th St., N.Y.	Liverpool
Majestic	" 25	9.30 am.	W. 21st St., N.Y.	Southampton
Bluecher	" 25	10.00 am.	1st St., Hoboken	Hamburg
M. Washington	" 25	1.00 pm.	Bush Dks. Bklyn	Napls-Trieste
Germania	" 25	12.00 m.	Pier 33, Bklyn	Naples
Pr F'd'kWilhelm	" 26	10.00 am.	3rd St., Hoboken	Bremen
La Touraine	" 26	10.00 am.	W. 15th St., N.Y.	Havre
San Giovanni	" 26	12.00 m.	Pier 22, Bklyn	Napls-Palrmo
Hellig Olav	" 26	2.00 pm.	17th St. Hoboken	Copenhagen
Deutschland	" 28	9.00 am.	1st St., Hoboken	Hamburg
Minnetonka	" 28	9.30 am.	W. 16th St., N. Y.	London
St. Paul	" 28	10.00 am.	W. 23rd St., N.Y.	Southampton
Carmania	" 28	10.00 am.	W. 14th St., N. Y.	Liverpool
Columbia	" 28	10.00 am.	W. 24th St., N.Y.	Glasgow
Barbarossa	" 28	11.00 am.	3rd St., Hoboken	Naples-Genoa
Cedric	" 28	12.00 m.	W. 21st St., N.Y.	Liverpool
Duca d' Aosta	" 28	12.00 m.	W. 34th St., N. Y.	Naples-Genoa
Chicago	" 28	3 00 pm.	W. 15th St., N. Y	Havre
Niagara	" 28	3.00 pm.	W. 44th St., N.Y.	Havre
Kroonland	" 31	9.00 am.	W. 18th St., N. Y.	Antwerp
Kronpr. Wilhelm	" 31	10.00 am.	3rd St., Hoboken	Bremen
Ryndam	" 31	10.00 am.	5th St., Hoboken	Rotterdam
Moltke	" 31	11.00 am.	1st St., Hoboken	Gib-Nap-G'n'a
Mondoza	" 31		Bush Dks. Bklyn	Naples-Genoa
Mauretania	June 1	9.00 am.	W. 14th St., N. Y.	Liverpool
Adriatic	" 1	12.00 m.	W. 21st St., N. Y.	Southampton
Pres. Lincoln	" 1	12.00 m.	1st St, Hoboken	Hamburg
Birma	" 1		Bush Dks. Bklyn	Rotdam-Libau
La Lorraine	" 2	10 00 am.	W. 15th St., N. Y.	Havre
Prinzess Alice	" 2	10 00 am.	3rd St., Hoboken	Bremen
Pannonia	" 2	12 00 m.	W. 14th St., N.Y.	Gib-Nap-Tr'ste
Oceanic	" 2	1.00 pm.	1st St., Hoboken	Hamburg
Calabria	" 3		U'o Stores, Bkl'n	Naples
Amerika	" 4	9.00 am.	1st St., Hoboken	Hamburg
Arabic	" 4	9.00 am.	W. 21st St., N.Y.	Liverpool
Mesiba	" 4	9.00 am.	W. 16th St., N.Y.	London
Philadelphia	" 4	10.00 am.	W. 23rd St., N.Y.	Southampton
Berlin	" 4	11 00 am.	3rd St., Hoboken	Gib-Nap-G'n'o
From Boston				
Sannio	M'y 21		Clyde St., E. Bos	Naples-Genoa
Saxonia	" 24	9.30 am.	B&A Dks, E. Bos	Liverpool
Cestrian	" 25	10 30 am.	B&A Dks, E. Bos	Liverpool
Numidian	" 27	12.00 m.	Mystic W'f Char	Glasgow
Columbian	" 27	1.00 pm.	B & M Dks. Char	London
Parisian	June 1	12.00 m.	Mystic Whf, Char	Glasgow
Philadelphia				
Marquette	M'y 27	10.00 am.	55 So. Wharves	Antwerp
Marion	" 28	10.00 am.	53 So. Wharves	Liverpool
Siberian	" 28		24 No. Wharves	Glasgow
Ancona	" 31		80 So. Wharves	Naples-Genoa
Friesland	June 4	10.00 am.	53 So. Wharves	Liverpool
San Francisco				
Mongolia	M'y 24	1.00 pm.	1st Street	Honolulu
Tenyo Maru	" 31	1.00 pm.	1st Street	Japan
Korea	June 7	1.00 pm.	1st Street	China

L. Muth, 5th and Fairmount ave., has an odd but very attractive window showing Michell's seeds. Trade in these has been very brisk and keeps him busy; he also handles funeral work.

Frederick Leary has closed his store at 39th and Lancaster ave.

W. W. Crawford, 5210 Market st., reports a good sale of Carnations for Mothers' Day. Funeral work is coming in very brisk.

Mr. Rich of the Novelty Flower Shop, 4820 Baltimore ave., recently installed a larger McCray ice box to handle his increasing trade. The store is well supplied with evergreens, Palms, Ferns and bedding stock, and the landscape line is better than ever before.

Miss Eva Fletcher, 5015 Baltimore ave., has had a busy season and does a lot of table decorating.

C. H. Scherer has opened a store under the name of "The Floral Art Co.," at 4906 Woodland ave., opposite the transfer station at 49th and Woodland, and reports business better than was expected. This store is well fitted out and has a fine window for decorative purposes.

P. M. R.

The Park Floral Co. — DENVER, COLORADO — 1706 Broadway
J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave.
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — JACKSONVILLE, FLA. — 20 Laura St.
We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — KANSAS CITY, MO. — 1017 Broadway
I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — LOUISVILLE, KY. — 644 Fourth Avenue
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — MONTREAL, CANADA — 655 St. Catherine St., West
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Alex. McConnell — NEW YORK — 571 Fifth Avenue
American and European Correspondence.

Young & Nugent — NEW YORK — 42 West 28th Street
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — SCRANTON, PA. — 122 and 124 Washington Ave
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see pages 914, 915

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

Samples will Prove Value
AND
A Postal Card Brings the Samples of Ribbons from
The Pine Tree Silk Mills Company
Philadelphia, Pa.
806-808-810 ARCH STREET

Why should you be satisfied with second rate Ribbons, when the best Ribbons made cost no more than second rate qualities?

Pine Tree Ribbons are the best Ribbons, for there is more Silk Value in them for the money than in ordinary qualities. Most Ribbons must have a profit allowance for the manufacturer and the jobber.

We are manufacturers and sell direct, and give the best Ribbon Values on the market for the money.

Let us send you samples of TAFFETAS, SATIN TAFFETAS and NEW CHIFFONS?

Please mention the Exchange when writing.

New Crop Ferns Now Ready Only $1.75 per 1000

Telegraph office: New Salem, Mass.
L. D. Phone Connection

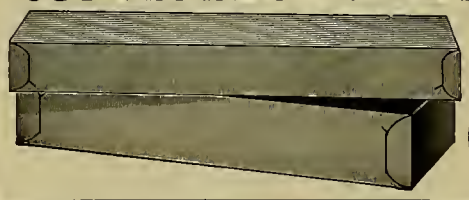
Let us have your orders now for Memorial Day, and you will be sure of the best to be had and at rock bottom prices. **GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS,** 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6 00. **PINE,** 7c. per lb.

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

CUT FLOWER AND DESIGN BOXES



All Sizes, Lowest Prices
WRITE
C. C. Pollworth Co.
MILWAUKEE

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK
WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

Please mention the Exchange when writing.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire
IGOE BROTHERS
Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes
63-71 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY
167 Lake Street KENDALLVILLE, IND.

Please mention the Exchange when writing.

WIRED TOOTHPICKS
10,000, $1.75; 50,000, $7.50
Manufactured by
W. J. COWEE, Berlin, N. Y.
Samples free. For sale by dealers

Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLD OUARANTEEY
LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

MICHIGAN CUT FLOWER EXCHANGE, Inc.
Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.

Please mention the Exchange when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the Exchange when writing.

E. A. BEAVEN
EVERGREEN, ALA.
LOG MOSSES
Natural and perpetuated. Orders booked now for future delivery.

Please mention the Exchange when writing.

WE MANUFACTURE
ICE BOXES The Latest Improved
Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.
Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK
'Phone 4254 Madison Square

Please mention the Exchange when writing.

"FLORISTS' FAVORITE" CUT FLOWER BOXES
Very Neat Manilla Boxes—White Inside
All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.25	28x8x4	$4.60
18x5x3	2.25	30x6x3½	3.75
24x5x3½	3.00	36x6x5	6.60
21x7x3½	3.25		

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.50
18x18x8	8.00	36x10x6	10.00
20x20x8	10.00	30x12x7	8.50
24x24x8	12.00	28x12x4	6.50
24x18x8, Pillow Box			12.00
20x15x8, Pillow Box			10.00

10 per cent. discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.
Box 205 CASTORLAND, N. Y.
New York Office, 20 East 42nd Street

Please mention the Exchange when writing.

KRICK'S Florist Novelties
Manufacturer and Patentee of
The only genuine IMMORTELLE LETTER on the market
For sale by all Supply Houses.
CHAS. AUG. KRICK
1164-66 Greene Avenue, BROOKLYN, N. Y.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention advertisement in the Exchange.

THE third edition of our Design Book is now ready to be mailed out to purchasers. It has been thoroughly revised and greatly improved and is easily worth Ten Dollars a copy to anyone with a Retail Trade. Sixteen pages have been added, older designs eliminated and many new and beautiful suggestions incorporated.

THE FLORISTS' EXCHANGE DESIGN BOOK

Handsomely printed on enameled stock, and containing 80 pages, size 9x12 inches, with strong paper cover.

The work contains a reproduction of some 216 Designs, such as:

Bridal Bouquets	Casket Covers	Easels
Broken Columns	Gates Ajar	Panels
Christmas Wreaths and Baskets	Floral Chairs	Anchors
Easter Baskets and other Easter Designs	Harps	Wreaths in great assortment
	Horseshoes	Standing Wreaths
	Lyres	Standing Crosses
	Pillows	

Miscellaneous Designs in quantity, including Decorated Automobiles, Railway Designs, Flags, Ships and Steamers, Shields, Broken Wheels, &c., Emblems, Table, Mantel and Mirror Decorations and Christmas and Church Decorations.

Page 80 shows forms for Masonic, Fraternal and other Orders, for which wire designs are kept in stock by the supply houses.

TERMS OF SALE—The Florists' Exchange for two years and one copy Design Book, $2.50, delivery prepaid. This offer is open to new subscribers or to subscribers renewing. One copy of the Design Book to present subscribers for 75c., delivery prepaid. No copies obtainable except as above. Money refunded if book is not satisfactory to purchaser.

Only one copy can be supplied at the 75c. rate. Subscribers desiring more than the one copy can secure them at the rate of $1.00 each, postage prepaid.

Handsomely and durably bound, in stiff board covers, with 32 blank leaves for pasting in clippings of other designs, at One Dollar additional to above prices.

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Address: THE FLORISTS' EXCHANGE, P. O. Box 1697 NEW YORK CITY

50,000 Roses 75,000 Carnations
35,000 Spiræas 35,000 Stocks

Henry M. Robinson & Co.

Wholesale Commission Florists

HARDY CUT EVERGREENS and FLORISTS' SUPPLIES

15 Province St. and 9 Chapman Place, BOSTON, MASS.

TELPHONES: 2617-2618 Main, 25290 Fort Hill

New Crop Dagger and Fancy Ferns, EXTRA FINE, $2.00 per thousand.

Bouquet Green, $8.00 per 100 lbs.

Brilliant Bronze and Green Galax; Cut Boxwood Sprays; Leucothoe Sprays; Laurel Wreaths, Laurel Festooning and Branch Laurel; Green and Sphagnum Moss.

Orders placed with us mean that you can depend on them. We Never Disappoint. Satisfaction Guaranteed.

Please mention the Exchange when writing.

Boston Retail Notes

Last week Newman's store on Tremont st. had a splendid display of wreaths and other ornaments for Decoration Day; these were very artistically arranged. On Monday of this week they changed the whole thing and gave up the window to a display of cut flowers of Cattleya Mossiæ, which were tastefully and artistically arranged.

Hoffman had a display of Cattleyas in his Back Bay store. The retail men are all getting ready to make fine displays the week the Orchid exhibition is held.

The Lilacs at the Arnold Arboretum are flowering well this year and thousands journeyed thither last Sunday to see them. R. C.

Washington, D. C.

J. A. Philips of The Flower Store, 2926 14th st. N. W., reports business better this year than any during the six years he has been here. Mr. Philips has roller curtains arranged on his ice box so that it can be kept dark. He came here six years ago from Toledo, Ohio.

Arthur Burrell of Cherry Croft, Tokoma Park, has 4000 sq. ft. to bedding stocks, Carnations, Phlox and Pansies. He has a stall in the "O" st. Market which he attends three days each week. P. M. R.

AURORA, ILL.—The Aurora Floral Co. has moved its store to 3 South Broadway.

BATAVIA, N. Y.—Gustav Noack has opened a flower store in the Masonic Temple.

FORT DODGE, IA.—The North Floral Co. has opened a store at 10-12 South Ninth st.

PEORIA, ILL.—Frank E. Rue, the seedsman, has opened a cut flower department at 420-422 South Adams st. F. Nichols, formerly florist at the Hotel Fey, is in charge.

OSHKOSH, WIS.—E. P. Barnett, manager of the Oshkosh Floral Co. has purchased the interests of J. B. Deamud and W. H. Kidwell in the concern, and will conduct the business as a local enterprise.

New Crop Ferns
FANCY and DAGGER
Now ready for shipment.
Price, $1.25 per 1000
CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA
Please mention the Exchange when writing.

Greenhouse Construction

W. H. Ritter of 70 Main st., Fitchburg, Mass., will erect, this coming season, two connected 21 feet wide by 100 feet long houses. King Construction material used.

Robert Scott & Son of Sharon Hill, Pa., have placed their order with the King Construction Company for two iron frame houses, one to be 25 feet by 100 feet, the other 50 feet by 142 feet.

Growers Building

WEEDSPORT, N. Y.—Irving La Due is building a new greenhouse.

MILLBROOK, N. Y.—Wm. C. Russell is building an additional greenhouse.

PITTSFIELD, MASS.—Arthur N. Cooley is building an additional greenhouse.

ATTICA, N. Y.—Florist Pauly is building an additional greenhouse on Jefferson street.

CLEVELAND, O.—The city is to build a 100 ft. greenhouse in Gordon Park, to supplant the hotbeds.

FULTON, ILL.—John Aggen contemplates the erection of two large greenhouses near the Northwestern depot.

KENDALLVILLE, IND.—H. Johnson contemplates the erection of an additional greenhouse shortly.

PENNSBURG, PA.—O. C. Trumbore of this town will erect two greenhouses, 50 by 30 ft., at East Greenville, Pa., this summer.

OLD TACOMA, WASH.—Charles Halkier has purchased several lots at Starr st. and Tacoma ave., for the purpose of erecting greenhouses.

PECKVILLE, PA.—W. J. Broad has about completed his new greenhouse at the gates of Prospect Cemetery, and will stock it with potted plants.

RUSTIC WORK

Rustic Hanging Baskets

Sizes	Per dozen	Sizes	Per dozen
8 inch.....	$7.00	12 inch.....	$13.00
9 inch.....	8 75	13 inch.....	17.00
10 inch.....	9.75	14 inch.....	18.00
11 inch.....	11.35	15 inch.....	21.00

RUSTIC CHAIRS, SETTEES, WINDOW BOXES, WHEELBARROWS, TABLES, PEDESTALS, VASES, TUBS, SUMMER HOUSES, in Cedar, Laurel, Birch and Bamboo.

All Kinds of Rustic Work Built on Contract
Estimates furnished

Importers of Cork and Birch Bark

REED & KELLER
Importers and Dealers in Florists' Supplies
122 West 25th Street NEW YORK

Please mention the Exchange when writing.

Geraniums

Per 100
8 varieties, 2½-inch pots $3.00
8 varieties, my selection, 3-in. pots. 4.00
ASPARAGUS Sprengeri, seedlings .. $7.00 per 1000.. 1.00
DOUBLE PETUNIAS, Seedlings ... 2.50

Coleus

Per 100
10 varieties, 2¼-in. pots, April 1..$2.00
10 varieties CANNAS, 3½-in. pots.. 4.00
ASPARAGUS Sprengeri, 2¼-in. pots 2.00
ALTERNANTHERA, red and yellow April 1st 2.00

Cash. No C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

GERANIUMS S. A. Nutt, from 4-inch pots, in bud and bloom, at $6.00 per 100. Satisfaction guaranteed.

BRANT BROS., Inc., Utica, N. Y.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.

Ricard, Poitevine and S. A. Nutt, at $10.00 per 1000; delivery made any time wanted, let me book your order, or send for sample and see the class of stock I send out.

HARDY PHLOX

Rooted cuttings free by mail at $1.25 per 100; Mixed Varieties, all of them good ones.

SMILAX and SPRENGERI

Good stock, let me send you a sample. Smilax, $12.50 per 1000. Sprengeri, $15.00 per 1000.

ALBERT M. HERR
LANCASTER, PA.

Please mention the Exchange when writing.

Now Ready in Bud and Bloom

GERANIUMS, HELIOTROPE, ETC.

S. A. Nutt, Beaute Poitevine, La Favorite, A. Ricard, Frances Perkins, Jean Viaud, John Doyle, Mme. Jaulin, Gloire de France, Marquis de Castellane, 3½-in. pots, $5.00 per 100.

PELARGONIUMS, Victor, 3½-in. pots, $7.00 per 100.

HELIOTROPE, Queen of Violets and Chieftain, 3½-in. pots, $5.00 per 100.

IVY GERANIUMS, in variety, 3½-in. pots, $5.00 per 100.

FUCHSIAS, Snow White and Avalanche, 4-in. pots, $10.00 per 100.

BEGONIA, Rex and Metallica, 3-in. pots, $4.00 per 100.

COBAEA Scandens, 3-in. pots, $3.00 per 100.

VERBENAS, 3-in. pots, $2.50 per 100.

PETUNIAS, large flowering, 3-in. pots, $2.50 per 100.

HELIOTROPE, two varieties, VINCA Variegata and SALVIA Bonfire, 2½-in. pots, $2.00 per 100.

Cash with order.

WM. J. CHINNICK
TRENTON, N. J.

Please mention the Exchange when writing.

Seasonable Bedding Plants

GERANIUMS, in variety, 4-in., $6.00 per 100; 3-in., $4.00 per 100.
CHRYSANTHEMUMS, Ivory, Bailey, Black Hawk, Eaton White and Yellow, Enguehard, Lulu, and Klondike, all 2¼-in., $2.00 per 100.
SWEET WILLIAM, 3-in., $3.00 per 100.
SALVIAS, Bonfire and Zurich, 3-in., $4.00 per 100; 2¼-in., $2.00 per 100.
VERBENAS, PETUNIAS, Star, and Giants of California, 2¼-in., $2.00 per 100.
CANNAS, Austria, 3-in., $4.00 per 100.
STOCKS, 3-in., $3.00 per 100.
DRACAENAS, 5-in., 20c. each; 6-in., $40.00 per 100.
VINCA Variegata, 4-in., $8.00 per 100.
SMITH'S MOON VINES, 4-in., $8.00 per 100.
AGERATUM, Blue Perfection; DWARF PHLOX, and HARDY CHRYSANTHEMUMS, 2¼-in. pots, $2.00 per 100.

Vegetable Plants

Strong and transplanted.

CABBAGE, Wakefield, 50c. per 100, $4.00 per 1000.
TOMATOES, Dwarf Stone, Acme, Earliana, Tenderloin, and Stone, 50c. per 100.
LETTUCE, 25c. per 100.
SWEET POTATO PLANTS, $1.50 per 1000.
PEPPER PLANTS, 60c. per 100.

J. S. BLOOM
RIEGELSVILLE, PA.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

GERANIUMS

Nutt, Doyle, Poitevine and others, 2-in. pots, $2.00 per 100; 3-in. pots, $3.00 per 100; 4-in., $5.00 per 100.
SALVIA Bonfire, R. C., $1.00 per 100; 2-in., $2.00 per 100; 3-in., $3.00 per 100.
HELIOTROPES, 2-in. pots, $2.00 per 100; 3-in., $3.00 per 100.
ALYSSUM, Double Giant, 2-in., $2.00 per 100.
FEVERFEW, double white, 2-in. pots, $2.00 per 100; 3-in., $3.00 per 100.
VINCA Variegata, 2-in., $2.00 per 100; 3-in., $3.00 per 100; 3½-in., $6.00 per 100.
AGERATUM Gurney, 2-in. pots, $1.50 per 100.
VERBENAS, red, white and purple, 2-in., $1.50 per 100.
ASTERS, 2-in. pots, $1.00 per 100.
PHLOX, Marguerite CARNATIONS, Single Star PETUNIAS, 2-in. pots, $1.50 per 100.
PANSY PLANTS, 50c. and $1.00 per 100; $5.00 to $8.00 per 1000.
COLEUS, 2-in. pots, $2.00 per 100.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

Catalogs Received

VAN DER DEIJDEN & CO., Boskoop, Holland.—Wholesale Trade List, American edition, 1910-1911, of broad-leaved and other evergreens, Roses, Peonies, Shrubs, Weeping Trees, Clematis, plants in pots and shrubs for forcing.

Books Every Florist Should Have

BULBS AND TUBEROUS ROOTED PLANTS.—C. L. Allan. $1.50.

THE GARDENER'S ASSISTANT.—New. Two large volumes. The most complete encyclopedia of gardening published. Includes fruit culture. Prospectus. Price, $15.00.

THE AMERICAN CARNATION—C. W. Ward. Price $3.60. Prospectus.

THE CHRYSANTHEMUM.—A. Herrington. Price 60c.

ARNOLD'S TELEGRAPH CODE FOR FLORISTS.—$2.60.

DESIGN BOOK, THE FLORISTS' EXCHANGE.—Sold to subscribers only. Send for particulars.

FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $2.40. Reviewed Feb. 19, 1910.

THE HEATHER: In Lore, Lyric and Lay.—By the late Alexander Wallace, $1.00. Prospectus.

PLANT CULTURE.—George W. Oliver. Price $1.50; F. E. two years and Plant Culture, $3.00. Prospectus.

PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 27, 1909.

THE ROSE.—H. B. Ellwanger. Price $1.25.

SUCCESS IN MARKET GARDENING.—Herbert Rawson. Price, postpaid, $1.20. Reviewed, April 23, 1910.

SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 50c. Prospectus.

SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.

VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.50. Prospectus.

WATER GARDENING, THE BOOK OF.—Peter Bieset. Prospectus. $2.50.

GOLDFISH, THE, AND ITS CULTURE.—Hugo Mulertt. Price, $2.00. New edition. Prospectus.

The review notices or prospectuses of the books mentioned will be mailed to any subscriber on application.

Prices quoted include prepaid delivery.

Address orders to

The Florists' Exchange No. 2 Duane St. New York

MR. FLORIST:—

Do you grow 'Mums, and do you still grow Ivory for your home trade? If so, how would you like a yellow Ivory? I have it. It's a true sport exactly like its parent in all but color.

I can quote you immediate delivery on 2½-inch pot plants at $2.00 per dozen, $15.00 per hundred, $125.00 per thousand.

We have 200,000 plants ready to ship from 2¼-in. pots, at $25.00 per 1000. Col. Appleton, Nellie Pockett, Duckham, Polly Rose and all Standard Varieties.

CHARLES H. TOTTY, Madison, N. J.

Please mention the Exchange when writing.

Chrysanthemums

Polly Rose, Dr. Enguehard, 2¼-in., $2.50 per 100, $20.00 per 1000.
AGERATUM, Stella Gurney, 2¼-in., $2.00 per 100.
SMILAX SEEDLINGS, 50c. per 100, $4.00 per 1000.

Cash with order.

C. A. PETERSON, Madison, N. J.

Please mention the Exchange when writing.

GERANIUMS

Fine, stocky plants, in bud and bloom, 4-in., Nutt, Poitevine, Ricard, La Favorite, Trego, Perkins, Jaulin, etc., $6.00 per 100.

Dark blue HELIOTROPE and Dwarf blue LOBELIAS, large plants, from flats, 75c. per 100, $6.00 per 1000.

HILL TOP GREENHOUSES, 84 Churchill Avenue **UTICA, N. Y.**

Please mention the Exchange when writing.

GERANIUMS

Buchner, Viaud, Jaulin, 3-in., in bud and bloom, $4.00 per 100.

Ricard, Poitevine, 2-in., $2.00 per 100; $18.00 per 1000.

Rooted Cuttings: Ricard, S. A. Nutt, Poitevine, Buchner and Viaud, $10.00 per 1000.

Cash with order.

PETER BROWN, 124 RUBY STREET **Lancaster, Pa.**

Please mention the Exchange when writing.

Hurrah for the Bedding Plant Season!!!

GERANIUMS

5000 Double Grant, 3½-in., $5.00 per 100.
5000 Poitevine, 4-in., $5.00 per 100.
4000 Poitevine, 3-in., $4.00 per 100.
5000 S. A. Nutt, 3½-in., $5.00 per 100.
3000 S. A. Nutt, 3-in., $3.00 per 100.
5000 CANNAS, 3½ and 4-in., $6.00 per 100, in the following varieties:
Queen Charlotte, Alph. Bouvier, Mme. Crozy.
5000 GERMAN IVY, 2½-in., $3.00 per 100.
3000 SALVIAS, $3.00 per 100.
DREER'S PETUNIAS, 3-in., $3.00 per 100.
5000 LEMON VERBENAS, $5.00 per 100.
5000 VERBENAS, 3-in., $3.00 per 100.
DUSTY MILLER, 3-in., $5.00 per 100.
GERANIUMS, Mme. Salleroi, 2½-in., $2.00 per 100.
COLEUS, various varieties, $2.50 per 100.
AGERATUM, 2½-in., $2.50 per 100.
IMPATIENS, Sultane, $5.00 per 100.
LOBELIA, 2½-in., $2.00 per 100.
ROSE GERANIUMS, 3½-in., $5.00 per 100.
ROSE GERANIUMS, 3-in., $4.00 per 100.

Cash.

ROBERT A. ELLIOTT, Morristown, N. J.

Please mention the Exchange when writing.

GERANIUMS

3000, 2-in. pots, S. A. Nutt, Buchner, Ricard, Viaud, Doyle and Grant, at $2.00 per 100, $18.00 per 1000; also 3-in. of the following, S. A. Nutt, Buchner, Doyle, Grant, and Ricard, at $4.00 per 100, $35.00 per 1000.

Cash with order.

FRED. W. RITCHY
Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

THE AMERICAN CARNATION

Price $3.50

A. T. DE LA MARE PTG & PUB CO. LTD

100,000 Chrysanthemums

Best Commercial Varieties in clean, well-rooted Cuttings

Price—$2.00 per 100, $15.00 per 1000; 500 at 1000 rates. EARLY WHITE—Opal, Estelle, Oct. Frost, Touset, Ivory, Alice Byron, Miss Clay Frick. LATE WHITE—White Bonnaffon, Tim. Eaton, J. Nonin. EARLY YELLOW—Monrovia, Hillden, Robt. Halliday. LATE YELLOW—Maj. Bonnaffon, Golden Wedding, Yellow Jones, PINK—Glory of Pacific, Wm. Duckham, Pink Ivory, Maud Dean, Minnie Bailey.

Golden Glow (yellow) and Yellow Eaton, $2.00 per 100, any quantity.

50,000 MARIE LOUISE VIOLETS, sand rooted cuttings, New York Stock, $2.50 per 100, $20.00 per 1000.
10,000 POTTED CANNAS, in 12 best bedding varieties, $6.00 per 100; send for list of sorts.

BENJAMIN CONNELL, MERCHANTVILLE N. J.

Please mention the Exchange when writing.

Geraniums

Ready to ship.

Per 100
S. A. Nutt, strong, 4-in. plants in bud and bloom $6.00

Rooted Cuttings.

	100	1000
S. A. Nutt and La Favorite	$1.00	$10.00
Castellane	1.00	10.00
Ricard	1.20	11.00

Cash with order.

B. F. BARR & CO. Keystone Nurseries **Lancaster, Pa.**

Please mention the Exchange when writing.

GERANIUMS

Nice stocky 3-in. stock of the following varieties: Nutt, Ricard, Poitevine, Castellane, Jaulin, Grant and Doyle, $4.00 per 100, $35.00 per 1000.

F. SCHELL & CO., Florists LANCASTER PA

Please mention the Exchange when writing.

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and Golden Bedder, 2¼-in. pots, $2.00 per 100; Rooted Cuttings of the same, $6.00 per 1000; Rooted Cuttings in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.

Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

Geraniums

All 3-in., in bud and bloom:

S. A. Nutt, Montmort, Viaud, Castellane, and Ricard, $4.00 per 100. Early in June I will have about 20,000 ready to plant out, all the Standards, as Poitevine, Buchner, Doyle, and the above varieties, only strong, bushy plants. Cash please.

RUDOLF NAGEL, LANCASTER PA.

Please mention the Exchange when writing.

NEW CHRYSANTHEMUM

Mrs. Jane Cockburn

EARLY PINK

BLOOMS FIRST WEEK IN OCTOBER.

Beautiful mauve pink. Good keeper and shipper

$6.00 per 100, $50.00 per 1000. Five hundred at one thousand rate. FIRST COME. FIRST SERVED.

SAMUEL COCKBURN & SONS

233d St. and Verio Ave., Woodlawn, - - NEW YORK CITY

Please mention the Exchange when writing.

CHRYSANTHEMUM STOCK

2¼-in. pots.

Our stock plants have been grown in solid benches in one of our best and lightest houses since December 1 last. We have largely increased our stock and can fill all orders promptly. We will quote special prices in 2500 lots.

PINK	Per 100
Glory of Pacific	$2.50
A. J. Balfour	2.50
Maud Dean	2.50
Pink Ivory	2.50
Pacific Supreme	3.00
YELLOW	
Col. Appleton	2.50
Monrovia	3.00
Major Bonnaffon	2.50
October Sunshine	2.50
Yellow Eaton	3.00
Golden Glow	2.50

WHITE	Per 100
Alice Byron	$2.50
Jeanne Nonin	2.50
Ivory	2.25
Mrs. H. Robinson	2.50
Beatrice May	3.00
Polly Rose	2.50
Timothy Eaton	2.50
White Dean	3.00
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CRIMSON	
Black Hawk	2.50
John Shrimpton	2.50

NEWER VARIETIES, $5.00 per 100.

Lynnwood Hall, Mrs. Kahn, Golden Glow, Money Maker, Yellow Miller, President Taft

SINGLES AND POMPONS

Rob Roy, Anna Spangle, Irene Cragg, Quinola, $3.00 per 100.

EDWARD J. TAYLOR, Green's Farms, Conn.

Please mention the Exchange when writing.

SPECIAL GRAND

CHRYSANTHEMUM OFFER

1000 OCTOBER FROST or GOLDEN GLOW, out of 2½-in. pots, $17.50; 500 for $9.00.

CHRYSANTHEMUMS

WHITE.

	R. C. 100	R. C. 1000	2½-in. pots. 100	2½-in. pots. 1000
October Frost (500 for $9.00)	$2.00	$15.00	$2.50	$17.50
White Seedling No. 1	5.00	40.00	6.00	60.00
White Seedling No. 2	8.00	76.00	9.00	80.00
Virginia Poehlmann	3.00	25.00	4.00	35.00
Alice Roosevelt	3.00	26.00	4.00	36.00
Alice Byron	2.00	15.00	2.50	20.00
Minnie Wanamaker	2.00	15.00	2.50	20.00
Nonin	2.00	15.00	2.50	20.00
White Bonnaffon	2.00	15.00	2.50	20.00
Yanoma	4.00	30.00	6.00	45.00
John Burton (late)	4.00	30.00	5.00	45.00
Chadwick	3.00	25.00	4.00	35.00
Novelties.				
Lynnwood Hall	5.00	40.00	6.00	50.00
Pres. Taft	10.00		12.00	
Pompon Baby Margaret	10.00		12.00	

YELLOW.

	R. C. 100	R. C. 1000	2½-in. pots. 100	2½-in. pots. 1000
Golden Glow (500 for $9.00.)	$2.00	$15.00	$2.50	$17.50
Monrovia	2.00	15.00	2.50	20.00
Appleton	2.00	15.00	2.50	20.00
Maj. Bonnaffon	2.00	15.00	2.50	20.00
Golden Eagle (new)	4.00	35.00	5.00	45.00
Golden Chadwick	3.00	27.00	4.00	36.00
Mrs. W. E. Kelley (new)	10.00		12.00	
Virginia (new)	10.00		12.00	
Baby (Pompon)	5.00		6.00	
PINK.				
Roslere	2.00	15.00	2.50	20.00
Minnie Bailey	2.00	15.00	2.50	20.00
Dr. Enguehard	2.00	15.00	2.50	20.00
Hankey	4.00	35.00	5.00	40.00
RED.				
Colllngfordii	3.00	25.00	4.00	35.00
Black Hawk	3.00	25.00	4.00	35.00

BEDDING PLANTS

3-inch stock of following: Salvias, Lobelias, Petunias, Ice Pink, Salleroi, Geranium, German Ivies, Thunbergias, and all standard cutting and seedling stock, $3.00 per 100, $25.00 per 1000.

PRINCESS OF WALES VIOLETS, Rooted Runners, $2.00 per 100.

SPECIAL SALE OF BEDDING PLANTS

Suitable and in Fine Shape

For Decoration Day Sales

2000 SALVIA Bonfire, 4-in., $5.00 per 100.
4000 SALVIA Bonfire, 2½-in., strong, $3.00 per 100.
2000 LOBELIA, Crystal Palace, trailing, 2½-in., $3.00 per 100.
2000 PHLOX Drummondi, assorted, 3-in., $3.00 per 100.
5000 PETUNIAS, Fringed Giants of California, 3-in., $3.00 per 100.
ALYSSUM, Carpet of Snow, 2½-in., $3.00 per 100.
VERBENAS, Giant Assorted, 2½-in., $3.00 per 100.
MME. SALLEROI GERANIUMS, SNAPDRAGONS, HELIOTROPES, ACHYRANTHES, COLEUS, (all kinds), all 2½-in., $3.00 per 100; $25.00 per 1000.
Field Plants STEVIA SERRATA in July, $10.00 per 100.

I. M. RAYNER, Greenport, N. Y.

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Yellow: Golden Glow, Halliday. White: Polly Rose, October Frost, B. May, N. Pockett, Queen, J. Nonin, Ivory, McArthur. Pink: Pacific, Balfour, Enguehard, Enchantress (not Gloria). Rooted Cuttings, of all above, $1.00 per 100, $9.00 per 1000. Golden Glow, from pots, only $2.00 per 100. Cash.

E. FRYER, Johnstown, Pa.

Please mention the Exchange when writing.

Snow-White Sport of Helen Frick

CHRYSANTHEMUM

From 2¼-inch pots . . $10.00 per 100
Rooted Cuttings . . . 8.00 " "
Unrooted Cuttings . . 5.00 " "

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

Chrysanthemums

All the Standard Varieties

POMPONS and SINGLES

$2.00 per 100, $15.00 per 1000

Stock guaranteed true to name

GEO. B. HART

24 Stone St., ROCHESTER, N. Y.

Please mention the Exchange when writing.

CHRYSANTHEMUM CUTTINGS

Now booking orders for early delivery

WHITE	Per 100	Per 1000
Oct. Frost	$2.00	$15.00
Kalb	2.00	15.00
V. Poehlmann	2.50	20.00
Touset	2.00	15.00
A. Byron	2.00	15.00
Wanamaker	2.00	15.00
White Cloud	2.00	15.00

WHITE	Per 100	Per 1000
T. Eaton	$2.50	$20.00
Chadwick	2.50	20.00
Nonin	2.00	15.00
PINK		
Balfonr	2.00	15.00
Enguehard	2.00	15.00

YELLOW	Per 100	Per 1000
Golden Glow	$2.00	$15.00
Monrovia	2.00	15.00
Oct. Sunshine	2.00	15.00
Appleton	2.00	15.00
Y. Eaton	2.50	20.00
Golden Chadwick	3.00	25.00
Halliday	2.00	15.00
Bonnaffon	2.00	15.00

J. D. THOMPSON CARNATION CO., Joliet, Ill.

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200,000 Rooted Cattings Ready Now.

Polly Rose, Pacific, Robinson, Monrovia, Alica Byron, Cheltoni, Ivory, Bonnaffon, Jones, Duckham, Enguehard, Appleton, Eaton, Beatrice May, healthy stock, $1.25 per 100, $10.00 per 1000. Cash with order.

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CHRYSANTHEMUMS ROOTED CUTTINGS READY NOW

WHITE	Per 100
OCTOBER FROST	$2.00
ESTELLE	2.00
POLLY ROSE	2.00
ROBINSON	2.00
WHITE CHADWICK	3.00
MERRY XMAS	3.00
YANOMA	2.00
MRS. BUCKBEE	2.50

	Per 100
WHITE BONNAFFON	$2.00
SNOW QUEEN	2.50
WHITE IVORY	2.00
C. TOUSET	2.00
PINK	
PINK IVORY	2.00
ROSIERE	2.00
DR. ENGUEHARD	2.00

YELLOW	Per 100
MONROVIA	$2.00
ROBT. HALLIDAY	2.50
GOLDEN BEAUTY	2.50
GOLDEN GLOW	3.00
YELLOW BONNAFFON	2.00
RED	
INTENSITY	2.00
BLACK HAWK	2.00

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Chrysanthemums

Rooted Cuttings

White: Baby Margaret, Touset, A. Byron, Timothy Eaton, J. Nonin, Ivory, Desjouis.
Pink: Amorita (very early), Glory of the Pacific, M. Dean, Mary Mann, Rosette, P. Ivory.
Yellow: Golden Glow (very early), M. Bonnaffon, Y. Eaton, Cremo, Robt. Halliday, Golden Eagle, Yellow Jones, Golden Baby.

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Owing to non-renewal of lease, following stock grown for own use is for sale: 3000 Pacific, 4000 Yellow Bonnaffon, 2000 White Bonnaffon, 1000 Pink Maud Dean, 1000 Enguehard, 1000 Monrovia, at $20.00 per 1000, out of 2-in. pots. Cash with order.

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Adiantum Cuneatum and Oracillimum, 2¼ in., $3.60 per 100, $30.00 per 1000.

FERNS FOR FERN DISHES

Extra strong, healthy, bushy, full grown, 2¼ in. stock, guaranteed to please; in assortment of 12 best varieties, $3.00 per 100, $25.00 per 1000. 3 in., $6.00 per 100, $56.00 per 1000.
250 at 1000 rate.

Asparagus plumosus nanus, Excellent 2¼ in. stock, $3.00 per 100, $25.00 per 1000.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist
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Ferns and Bedding Plants

Assorted varieties for dishes, strong, healthy plants, from 2¼-in. pots, $3.00 per 100, $26.00 per 1000; 3-in., $6.00 per 100.
Scottii Ferns, 7-in. pots, $1.00 each.
Nephrolepis Whitmani, fine plants from 6-in. pots, $9.00 per doz.
Cocos Weddelliana, 2¼-in., $10.00 per 100, $85.00 per 1000.
ASPARAGUS P. Nanus, 3-in. pots, $6.00 per 100, $60.00 per 1000; 2¼-in., $3.00 per 100, $26.00 per 1000.
GERANIUMS, fine stocky plants, in bud and bloom, 4-in., Nutt, Poitevine and Double Grant, $6.00 per 100.
SALVIA Splendens and Bonfire, 3-in., $3.00 per 100; 2¼-in., $2.00 per 100.
ALTERNANTHERAS, 2¼-in., Red and Yellow, $2.00 per 100.
BEGONIA Vernon, 2¼-in., $2.00 per 100, $18.00 per 1000.

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Fern Seedlings in Flats

In best varieties, ready June 16.
20,000 KENTIA Belmoreana, in 2¼-in. pots, ready now; also,
25,000 ASPARAGUS plumosus nanus, 2¼-in., ready for shifting.
Prices on application.
NEW PANSY SEED READY JULY 1.

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Scholzeli Fern

The best payer and most prolific Fern to date. 2¼-in. $7.00 per 100.

	Per 100
Superbissima, 2¼-in.	$7.00
Whitmani, 2¼-in.	5.00
Scottii, 2¼-in.	5.00

CHAS. H. CAMPBELL
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NEPHROLEPIS

WHITMANI, 2½-in., $5.00 per 100; $40.00 per 1000.
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Ferns in Flats
All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready June 1. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.
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FERNS FERNS

Assorted Ferns for Jardinieres, in 6 to 8 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $26.00 per 1000.
Fern Seedlings in Flats, in 10 best varieties, each flat contains only one variety of Ferns; ready about the middle of July; price on application.

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PTERIS WILSONI

A few hundred fine bushy plants, in 3-inch pots, 7 cents each.

R. G. HANFORD, Norwalk, Conn.
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New Jersey Floricultural Society

Dr. J. M. W. Kitchen of East Orange read a paper on the "Question of Heating for Orchid Culture," before this Society, in Lindsley Hall, 240 Main st., Orange, N. J., on Friday, May 13. He recommended hot water as the best medium for heating, and advised having plenty of radiating surface, so that it would not be pipes so hot, which made it more congenial for the Orchids. A very interesting discussion followed in regard to time of shading. Dr. Kitchen said he shaded the latter part of January, and used a mixture of white lead and kerosene for that purpose. J. A. Manda considered January too early, and said the latter end of March was time enough; he recommended crude oil and whiting as being the best material for shading, and also the cheapest. John J. Dervan asked Dr. Kitchen what was the best thing to do to get rid of the Cattleya fly. He replied that he had tried all the different kinds of insecticides, but found he got the best results from strong fumigation with tobacco stems when plants were not in flower. The monthly exhibit for points was exceptionally fine and the competition very keen. Those who have the lead in the various classes at present are: Roses, A. B. Jenkins, gdr. Albert F. Larson; Carnations, Chas. A. Hathaway, gdr. Max Schneider; Vegetables, A. C. Von Gaasbeck, gdr. John J. Dervan; foliage and flowering plants S. M. and A. Colgate, gdr. William Reid. The following were the awards of points of the judges. Roses: Albert F. Larson, 90; John J. Dervan, 90; Frank Drew, 85; William Reid, 70. Carnations: Max Schneider, 80; John J. Dervan, 75; William Reid, 70. Flowering Plant: John J. Dervan, 85; William Reid, 75. Foliage plant: Wm. Reid, 90. Collection vegetables, John J. Dervan, 90. Cattleya Mosslæ. Lager & Hurrell, 80. Cultural certificates were awarded for the following exhibits not in competition for points: Max Schneider, Cineraria, Carnation Victory, Rhubarb and Lettuce; John Dervan, Caceolarias; Albert F. Larson, Roses. Fritz Bergherd, gdr. for the Essex County Country Club showed a nice vase of Canterbury Bells. Albert F. Larson received a first-class certificate for a vase of a scarlet seedling Carnation.

John J. Dervan will read an essay on "Growing Roses under Glass," at our next meeting.

WILLIAM REID, secretary.

Pacific Coast Hort. Society

The May meeting of the Pacific Coast Horticultural Society was held in Poleto Hall, May 7, V. Matraia in the chair. The committee appointed by the president to make arrangements for the annual exhibition reported that the list of premiums had been made out, was in the hands of the printers, and would be mailed to those interested during the coming week. The committee appointed to make arrangements for the Society's annual picnic reported that they had decided to hold the picnic at Mount Tamalpias on July 3, and it was hoped that a large delegation of friends and members would turn out on that date and help to make the outing a success. On the exhibition table a fine collection of Sweet Peas from B. Kettelwell of San Mateo attracted considerable attention, and was awarded a vote of thanks. H. Plath showed two well grown specimens of Eugomia microphylla and Ficus lutescens, which were also given a vote of thanks. A new Geranium named H. Plath was also shown in good shape. Two new members were elected, and the meeting came to a close at 11 p.m. The next meeting of the Society will be held in Poleta Hall the first Saturday in June at 8 p.m., when it is to be hoped a large number of members will turn out.

WM. M. B.

CARNATION CUTTINGS

My stock has not been allowed to throw over three blooms per plant and is, therefore, very vigorous, producing cuttings strong and full of life. Cuttings from such stock will produce more and better flowers next Winter than the ordinary grade from stock that has been flowered to death.

	100	1000
Harlowarden	$2.50	$20.00
Enchantress	3.00	25.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Pure White Enchantress	3.50	30.00
Winona	3.50	30.00
Beacon	3.50	30.00

250 at 1000 rate.
Cash with order, or references.

A. A. GANNETT, GENEVA, N. Y.
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CARNATIONS From flats, $3.00 per 100: Enchantress, Winsor, Splendor. Dorothy Gordon, 3-in. pots, 12c. Healthy stock. Cash with order.

JAMES MACFARLANE, Staatsburg-on-Hudson, N. Y.
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Nassau County (N. Y.) Hort. Soc.

The regular meeting of this Society was held in Glen Cove, on Wednesday, May 11, with a large attendance and President Duthie in the chair. Three members were elected and three applications for membership received. The schedule for the Summer show to be held June 15, will be out in a few days, and we may well look forward to a very successful affair. Messrs. Eccles, Gaut and Johnston acted as judges for the night, with the following decisions on the monthly competition: Best three heads of Lettuce, I. Trepass, Glen Cove. Best 12 Gardenias, G. Wilson, Roslyn, who also captured a first for best 12 Mushrooms. Cultural certificates were awarded to I. Trepass for Tomatoes; I. Everett for a grand box of Mushrooms; H. McDonald for Cucumbers. Honorable mention to H. Matz, Glen Cove, for Sweet Peas, a very promising seedling; V. Cleres for a very fine plant of Canterbury Bells, also for three heads of Lettuce; Paul Reul for collection of Vegetables; F. Petroccia for Beans; I. Reidenbach for Lettuce, also for Citrus, and for a fine vase of Sweet Peas; H. McDonald for a grand vase of Antirrhinums; H. Fleishauer for a vase of pink and vase of red Darwin Tulips, also for a bunch of grand Rhubarb.

G. Wilson received the thanks of the Society for a very fine Deutzia; H. Matz for vase of Sweet Peas; F. Petroccia for Lettuce; Paul Reul for Sweet Peas and G. Wilson for Asparagus.

Next meeting will be Fern night and prizes will be awarded for best Pteris, best Nephrolepis and best Adiantum. In my report of last meeting I omitted to mention the cultural certificate awarded to V. Cleres of Glen Cove for a vase of American Beauty Roses; Cleres certainly knows how to grow them for they were exceptionally fine.

O. E. ADDOR.

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Carnations

From pots, Enchantress, R. P. Enchantress, Pres. Seelye, Pink Imperial, Harlowarden, and Mrs. Patten.
$3.50 per 100.

ASPARAGUS Sprengeri
3-inch pots, $5.00 per 100.

VINCA Variegata
3-inch pots, $5.00 per 100.

GERANIUMS
White, 3½-inch pots, $6.00 per 100.

TOMATO PLANTS
From pots, $2.00 per 100.

Black Beauty Egg Plants
From pots, $3.00 per 100.

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Strong, clean, well-rooted stock; large Cuttings that will make plants quickly.

Large, strong, well rooted, absolutely no disease, taken from plants grown especially for stock and rooted in a cool house. These will make plants quickly and cannot fail to please you.

	100	1000
Enchantress	$3.00	$26.00
Pure White Enchantress	3.50	30.00
Rose Pink Enchantress	3.00	26.00
White Perfection	3.00	26.00
Winona	3.00	26.00
Harlowarden	2.50	20.00

Stock from 2-in. pots, 50c. per 100 more than the 100 rates named above, net.

Cash with order. Sand Stock, 250 at 1000 rates.

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BEDDING and ORNAMENTAL PLANTS in great variety from leading growers

Also direct from Belgium, a consignment of PALMS; including Phoenix, Kentias, Latanias and Aspidistras, in various sizes.

Also a superb lot of **Standard, Pyramidal** and **Keiserkroon Bay Trees,** in all sizes.

THE FRUIT AUCTION CO. **Note the Day and Date**

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Intensive Cultivation

The study of intensive cultivation or, as it is often called, French gardening has, of late, received considerable impetus in England. The method is particularly adapted to places where land is expensive and population dense. The aim is to get the vegetables into market ahead of those raised under ordinary circumstances and thus secure the highest prizes. In our frozen North, the practice of French gardening methods does not hold forth much inducement, but in States possessing a more temperate climate it would seem well worth undertaking, always providing the labor can be hired at a price within bounds. It will be observed that it takes a number of persons to handle even 1½ acres.

The interview which follows (between one of the staff of London "Garden Life" and the owner of the garden, the Rev. H. Purefoy Fitzgerald) is vouched for as being absolutely reliable:

The name of the Rev. H. Purefoy Fitzgerald is well known in horticultural circles as that of an amateur gardener, and an interesting writer on subjects which he has made his own. Since his retirement Mr. Fitzgerald has settled down in one of the loveliest parts of Kent. Here he has a delightful garden. I visited him in January, especially for the purpose of ascertaining his views on the system of "French gardening," on which he can speak with the twofold authority of unimpeachable knowledge and practical experience. Mr. Fitzgerald has not only made a study of the system, but he has a "French garden" of his own, and has worked in it himself with unflagging energy. The state of the ground was such that on my arrival Mr. Fitzgerald kindly provided me with a pair of clogs, in which I was able to set the most formidable mud at defiance and, thus equipped, I spent some time in inspecting the operations which are being carried on with an evident determination to secure the best results obtainable.

"When did you start this garden?" I asked, as we watched the workers on the slopes.

"In November, 1908, this garden was an ordinary meadow, and we were occupied for two months in preparing the ground, in getting one hundred and fifty frames ready, four hundred and fifty lights painted and glazed, and other essential preliminaries, so that we were too late to produce in 1909 the early produce which pays the best."

"And you had the disadvantage of beginning in a very bad year for the purpose?"

"I think that we could not possibly have picked out a worse year for commencing experiments in intensive culture."

An Old English System

"That is your equivalent for 'French gardening'?"

"Yes, because the system which is called 'French gardening' is not a new French system, but an old English one, written about and practiced by gardeners as far back as the beginning of the eighteenth century. We are certainly indebted to the French for all the experience which has been gained during the last half-century. They have perfected in a wonderful manner the system which we originated, and at the present time pioneers in this country are trying to call it 'intensive culture,' because that term most accurately expresses what it is."

"What is the nature of your soil?"

"Good rich loam. As you see, the garden is situated on two gentle inclines, one facing west-northwest, and the other south; it is well protected on the north and east. We get every scrap of sun there is to be had; and this, in intensive culture, is a matter of great importance."

"Did you have much assistance in your preparations?"

"They were all effected by a pupil, my private gardeners, myself, and my French gardener, Jules Guttin, who came direct here from Paris, and contracted to stay with me for two years. This, of course, was done after the ground had been well treated by hand."

The Necessity of Capital

"How large is the garden?"

"One acre and a half, which I consider a reasonable size. As everything turns upon the question of cost, you may like to have some details concerning my outlay."

"They will be most useful, and I am sure will be exceedingly appreciated by thousands of readers of Garden Life."

"First let me say that I strongly recommend that no one who has not sufficient capital to keep the work going for two years should embark on intensive culture. As to the sum required for an acre and a half, I consider that about £700 is an adequate minimum. With regard to particular items of expenditure, we made one hundred and fifty frames, and furnished them with four hundred and fifty lights, which would have cost me £2 each, or £300 in all, if I had had to pay for them. As it was, the cost was under £200. Then I bought fifteen hundred cloches, which amounted to £88. The water-pipes, pumps, etc., came to about £120; the fences about £40; the shed about £30; the Rye mats, £20; manure, about £100; and packing materials and tools, about £10. I include in my estimate of capital half the salary of the French gardener." [£1=$4.86.]

Prejudice Against the Produce

"I suppose you did very little in the way of selling in the early months of 1909?"

"Practically all that has been done here has been done since the first week in May. We began to sell Radishes in March. From May onward to the end of November, we sold as hard as we could grow, but we were handicapped by being about six weeks behind all through. That, however, was unavoidable, as I did not buy the land until October. At the outset there was a certain amount of prejudice to be overcome in the market. All the greengrocers prophesied failure, and were shy in buying. They said that they had tried the produce of amateurs several times before, and had not found the result very satisfactory. I hope we have overcome that feeling now."

Sales in Six Months

"May I have some figures of your sales?"

"With pleasure. In six months we sold 6000 Lettuces, 1100 Cauliflowers, 5700 Cucumbers, 1145 bunches of Radishes, 550 bunches of Turnips, 3500 bunches of Carrots, 400 Melons, and 2000 sticks of Celery. The Celery took on at once. These were the main crops. The Tomato crop was big but, owing to the season, the fruit did not ripen well."

The French Varieties

"What varieties of Lettuce did you grow?"

"The varieties of Cabbage Lettuce were The Passion and The Gotte; the Carrots, Rouges de Carentan and Courte Hative; the Radishes, Rose à Bout Blanc; the Cauliflowers, which were very good, with excellent heads, Lenormand; Turnips, the Parisian; Cucumbers, French Ridge; Melons, Canteloupe; Celery, Blanc Doré. I gave my Frenchman French leave to order exactly what varieties he liked. We grow, in addition to the things I have mentioned, Endive, Batavia, Celeriac, Sorrel, Corn Salad and Chervil. For the three last, however, we have not, so far, found any sale. We sent them to Covent Garden, but there were very few purchasers."

An Independent Supply of Water

"I observe that you grow Celery on the flat?"

"Yes, we entirely dispense with trenches. In planting, care should be taken to get it in before the frost comes on. It is planted thickly, so that it helps to bleach itself. The final bleaching is done by lining the sides of the bed with straw, and covering the plants with Rye mats for four or five days. It comes out quite white then. We water copiously."

"Watering must be a serious business with you?"

"It is so serious that we are sometimes watering all day long, especially when the produce is the early Carrots. A good independent supply of water is indispensable. The company's water is cold and hard. Watering is one of the great labors of the system."

The Cultivation of Melons

"How do you treat your Melons?"

"We put them into narrow hotbeds. Trenches of about eighteen inches wide and nine deep are dug right through the center of the frames; here the hotbed is made. The system is altogether different from the ordinary English mode of growing, and we water only occasionally."

"You find the Canteloupe variety popular?"

"Very popular now. But when we first sent them to Tunbridge Wells, the greengrocers would not look at them. Then I called on a grocer, and he said he would like to try them, with the result that in a week we could not supply him fast enough. People who have had them prefer them to the ordinary hothouse Melon. The flavor is better. We grow some six, seven, and eight pounds; others are smaller. We get three or four fruits on each plant."

The Essence of the System

"The essence of the whole system is to always have three or four crops coming on in the same ground, and to use nearly every available inch. We condense into one acre what the ordinary Englishman would grow in six. That applies to every kind of produce. Even in the Melon beds the Cauliflowers are planted to succeed them."

Prospects for 1910

"What are your prospects and plans for 1910?"

"This year we hope to sell a 1000 Melons, 60,000 Lettuce, 15,000 Cucumbers, and to increase the rest of the produce in proportion. As to new features, we are starting Mushrooms, and we are going to run a large apiary, so that we shall have our hands fairly full."

Trying English Seeds

"Do you intend to adhere to the use of French seeds only?"

"I have not adhered to it quite exclusively. I grew half a bed with English seed, and half with French, and the difference in rapidity of germination was remarkable. In France the growers have been selecting seed for years with a view to more rapid germination. But this year I shall give a trial to other kinds of English seed. I am growing Cucumbers from Sutton's Improved Telegraph seeds."

"Your staff is larger than it was when you started?"

"I have four pupils, the sons of gentlemen, who came for at least a year, some for two, and reside in the house. They all offered to come, and I have refused three applications in the last three months, but I shall have a vacancy at Easter. There is not room for more than four. The pupils see the whole thing from start to finish. By the way, I have not told you that the produce is sent by motor van to Tunbridge Wells. I soon found that a horse and cart would not take it fast enough."

A Crucial Question

"Now there is the crucial question of profit?"

"The first year no one must expect to pay expenses. The second year I expect to do so, and in the third I ought to make a profit. But it is not possible to begin to reap the benefit of the soil until the third year, and then it becomes more and more rich each succeeding year. As to a given sum, I cannot form any idea until the end of the second year, but I am quite satisfied with the prospect today. My Frenchman is so pleased with the results of his work so far that he has said when he leaves me he will stay in England and embark on a garden of his own."

No Short Cut to Fortune

"But you do not believe in it as a short cut to a fortune?"

"I certainly do not think I shall make a great fortune, and it is a pity that statements about making great fortunes should have been put forward. They inevitably have a bad effect, as well as conveying the most erroneous impressions. But I believe that in parts of England, where they are within reasonable distance of good markets, such gardens will pay within a reasonable period. Why should not gardeners in charge of large gardens, have a corner devoted to intensive culture, just for the Winter? That, at all events, is practicable. On the other hand, no one should start one of these gardens who has not a good knowledge of gardening, or has not been specially trained, and seen the system worked for a year or two."

Mme. Salleroi Geraniums

3-inch Pots, $3.00 per 100

Cash with order

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WE call special attention to our large stock of **FERNS,** in all the leading varieties. We particularly mention **NEPHROLEPIS SCHOLZELI** and **NEPHROLEPIS COMPACTA,** both of which are exceptionally fine varieties for growing on.

Neph. Scholzeli
2¼-in. pots, strong plants..$3.00 per 100; $75.00 per 1000
4-in. pots, strong plants..$26.00 per 100; $225.00 per 1000

Neph. Scottii
2¼-in. pots, strong plants..$5.00 per 100; $46.00 per 1000
4-in. pots, strong plants..$16.00 per 100; $120.00 per 1000
5-in. pots, strong plants....$5.00 per doz.; $40.00 per 100
6-in. pots, strong plants....$6.00 per doz.; $46.00 per 100
7-in. pots, strong plants....$9.00 per doz.; $66.00 per 100
8-in. pans, strong plants...$12.00 per doz.; $90.00 per 100
10-in. pans, strong plants.....$24.00 per doz.

Neph. Todeaoides
4-in. pots .....$20.00 per 100
8-in. pans .....$12.00 per doz.
11-in. tubs, very handsome .....$36.00 per doz.

Neph. Whitmani
9-in. pots .....$18.00 and $24.00 per doz.

Neph. Amerpohlii
2¼-in. pots .....$6.00 per 100
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.

Neph. Bostoniensis
11-in. tubs .....$3.00, $3.60 and $4.00 each

Neph. Compacta
2¼-in. pots, strong plants..$16.00 per 100; $126.00 per 1000

Ficus Pandurata, at $2.00, $3.00, $4.00 and $6.00 each
(Braoch), at .....$2.50, $3.00, $4.00 and $6.00 each

Crotons
4-in., well colored .....$26.00 per 100
5-in., well colored .....$50.00 and $76.00 per 100
6-in., well colored .....$9.00, $12.00 and $16.00 per doz.
Well colored specimens at $1.50, $2.00, $2.50, $3.00, $3.50 and $4.00 each.

Queen Alexandra Daisy
Strong plants, exceptionally well flowered, just the thing for window boxes and vases, at $5.00 and $6.00 per doz.

Pandanus Veitchii
Beautifully colored .....$6.00 per doz.; $46.00 per 100

Cyclamen.
We are the largest growers of Cyclamen in America. The stock offered this year is the very highest quality.
2½-in. pots, very strong....$8.00 per 100; $76.00 per 1000
3-in. pots, very strong.....$10.00 per 100; $90.00 per 1000
This stock is much heavier than is generally offered in the above sized pots and will make specimen plants for Christmas sales.

Gardenia Veitchii
2¼-in. pots .....$8.00 per 100; $76.00 per 1000
6-in. pots .....$5.00 per doz.; $36.00 per 100
6-in. pots .....$6.00 per doz.

Standard Baby Ramblers, Crimson, very strong, $1.25 each.
Standard Baby Ramblers, White, very strong, $1.25 each.

SALVIAS
Zurich and Fireball, 4-in. pots, strong plants in bud and bloom, $7.00 per 100, $66.00 per 1000.

ROBERT CRAIG COMPANY, 4900 Market Street, **PHILADELPHIA, PA.**
Please mention the Exchange when writing.

ORDER NOW For June Delivery
Begonia Gloire de Lorraine
2½-in., $15.00 per 100, $140.00 per 1000
Cyclamen
2½-in., $5.00 per 100, $45.00 per 1000
Poinsettias
2½-in., $5.00 per 100, $45.00 per 1000
Primula Obconica and Chinensis
2½-in., $3.00 per 100, $25.00 per 1000
SCRANTON FLORIST SUPPLY CO.
Scranton, Pa.
Please mention the Exchange when writing.

Begonia Gloire de Lorraine
FOR JUNE DELIVERY
2¼-inch repotted Stock
Price, $15.00 per 100
SCOTT BROS.
Elmsford Nurseries, ELMSFORD, N. Y.
Please mention the Exchange when writing.

Asparagus Plumosus Nanus
Fine plants, from 4-in. pots, $8.00 per 100.
ASPARAGUS Sprengeri, strong, from 3-in. pots, $5.00 per 100.
VINCA Variegata, 4-in., new wood, $7.00 per 100.
EGG PLANTS, New York Improved, pot-grown, $2.00 per 100.
Cash with order, please.
GEO. J. HUGHES, Berlin, N. J.
Please mention the Exchange when writing.

PALMS! KENTIAS, in 2½ inch pots, $8.00 per 100, $75.00 per 1000.
JACKSON & PERKINS CO., Newark, (Near Rochester) New York
Please mention the Exchange when writing.

Dracaena Indivisa
Nice large plants, 6-in. pots, $25.00 per 100; 12 at 100 rate, less at 30c. each.
ASPARAGUS Plumosus, 6-in., $25.00 per 100; 3½-in., $7.00 per 100.
Cash with order.
C. S. CHASE, Dighton, Mass.

DRACAENA INDIVISA
A few hundred strong, clean, healthy plants.
5 inch pots, 25 cents; 6 inch pots, 35 cents each.
Alexander Dallas, 119 Grand Street, WATERBURY, CONN.
Please mention the Exchange when writing.

Dracaena Indivisa A Fine Stock In All Sizes
4 inch, 12 to 15c.; 5 inch, 20 and 25c.; 6 inch, 35 and 50c.; 7 inch, 75c.
SCOTTII FERNS, 6 inch, 50c.
ASPARAGUS PLUMOSUS, 2¼ inch, strong, $3.00 per 100; 4 inch, $10.00 per 100.
COCOS WEDDELLIANA, 2¼ inch, 10c. each, $9.00 per 100.
VINCA VARIEGATA, strong, 4 inch, $12.00 per 100.
HENRY WESTON, Hempstead, N. Y.
Please mention the Exchange when writing.

DRACAENA INDIVISA
One year, transplanted on benches last October, strong stock, $1.50 per 100, $12.00 per 1000.
DWARF ALYSSUM, FEVERFEW, STOCKS, SENECIO, each at $1.50 per 100.
DWARF ORANGES, in bud and bloom, 4 and 6-in. pots, 3 plants for $1.00.
Cash prices.
E. FRYER, Johnstown, Pa.
Please mention the Exchange when writing.

DRACAENA INDIVISA
Strong, 4-inch, $10 00 per 100.
ASPARAGUS SPRENGERI, strong 2½-inch, $3.00 per 100.
ASPARAGUS PLUMOSUS, 2-inch, $2.00 per 100.
WETTLIN FLORAL CO., Hornell, N. Y.
Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Baltimore

The Market

Business the past week was satisfactory, considering the unseasonable weather. Funeral work has made a heavy call, keeping the retailer well on the go, and some large orders were gotten out. Several palls were made, using a large amount of the cut flowers that have been of late in such heavy supply. The cool weather we are now experiencing has handicapped business, especially in the pot plant line. However, the growers have many orders and are making heavy shipments. The cut flower situation is not so severe as last week, still much stock is on the market, moving slowly at close prices. The retail market is draggy and will be so until next week, when Decoration Day will cause a rush. Peonies will have a big demand as usual; our farmers supply the greater part of stock to the retail trade and many of the larger buyers likewise. Roses are still in about the same supply as last week. Carnations are extremely heavy in arrivals, especially pink Lawson, and move slowly at small figures. Callas are shortening up in supply. Lilies are in supply enough to meet the demand. Sweet Peas are not over plentiful and sell well. Asparagus is a little steadier in supply. All kinds of pot plants are offered. Peonies are scarce this week. Snowballs are in abundance, as well as nearly all kinds of seasonable stock.

Trade Notes

Walter B. Conroy, 518 W. Franklin st., has changed the name under which he has been doing business, to "Conroy, the Florist."

G. H. Siddons, Pearl and George sts., has installed new electric lights in his store and windows. He has a steady call for wax designs and his output has been extremely heavy. On Decoration Day he expects to dispose of thousands of bunches of cut flowers, and on that day usually the pavement in front of his store is literally covered, calling for night and day work, and he gets from the farmers wagon loads of blossoms, and makes up the bunches, employing a large corps of helpers.

Otto Guerth has installed electric lights in his store and is making other improvements. Business with him continues good.

Fred Reitz, Franklinton, Md., sent his team to market last Tuesday as usual. The horse was a new one, and a lady agent for the S. P. C. A. noticed one of its legs in bad shape and went into details. A large crowd collected and a doctor was sent for, but the trouble was pronounced nothing more than spavin.

Frederick Seidlich, Catonsville, Md., has made his appearance in market again with a full line of pot plants.

The Municipal Art Society wants to change every vacant lot in our city from a desert waste into a green and blooming garden spot. James Dix of Philadelphia gave a lecture on "Vacant Lot Farming" at Bennett Hall last week.

Mayor Mahool stopped the wood choppers from destroying some beautiful trees on Eutaw Place last Saturday, where a monument is to be erected. All work is at a standstill until a way can be found to save the large trees.

I. Strintz, Westport, is having trouble with his water supply for his large range of houses. The windmill runs but forces no water to the tank and it will be necessary to overhaul the system.

Some of our growers find the barrel spray pump for shading their houses with whitewash is more preferable than the old way of putting it on with the brush, in heavy spots. Charles Cook, George Cook, Halliday Bros. and John McCormick are using the pump method.

It is reported Lawrence Kinder, Catonsville, has sold his place and taken a position with Mrs. Mary Johnson.

Conrad Hess has been put to inconvenience by the layers of the new high-pressure water line digging up where his stall stood, causing him to seek another stand farther in the market.

The new State road will not pass by the establishments of John Rider and Lehr Brothers; it will take the old Annapolis road through to the city. L. Strintz will be benefited by it.

E. A. Seidewitz has a handsome style of uptodate flower box for shipping cut flowers, that was designed by himself. The get up is very plain and neat, and the box pleases Mr. Seidewitz because it is made in Baltimore; he has his wants supplied in his own town whenever possible.

F. Bauer, Govans, Md., will tear down some old houses and build two new uptodate houses in their place. Business is extremely heavy with him, especially in the pot plant line. He also makes a specialty of growing seedling Harrisii Lilies.

Mathias Thau, Govans, Md., is building a new house, 65 x 18 ft., for 'Mums.

Isaac H. Moss, Govans, is doing a large business in the nursery and pot plant line, and orders are very heavy with him; N. Price is his foreman. Mr. Moss is discouraged with the cold weather conditions and looks forward to warmer weather.

J. J. Perry, the worthy manager of the Florists' Exchange, is occupying his new home in Hamilton, a beautiful suburb of Baltimore.

John Schunke, E. Baltimore st., is showing a fine window display of beautiful Hydrangeas in full bloom.

R. L. Graham, Waverly, is showing a handsome window of decorative plants at his Asquith st. store. Mrs. Graham has entire charge of the store.

The Backward Weather

An experienced gardener writes us: "I don't know how the season is as regards your vegetable garden, but this, so far, has been the worst I have experienced here on Long Island. The cut worms—well, the least said, the better. If you have not got 'em and care for some, I shall greatly oblige. They are a curse. What you prize most are those plants they seem to be able to get at. I have had six rows of Peas well nigh ruined, and my Sweet Peas are a sight. My hair is turning gray."

Rochester, N. Y.

Business the past week has lacked the snap to it experienced the previous weeks and stock accumulated to some extent. Prices, naturally, fell in order to move the accumulation. Roses are particularly plentiful but, with some funeral work going round, have moved off. Carnations, though not commanding fancy prices, are not overplentiful and, with ordinary business, move readily; however, with a few dull days, they accumulated and became somewhat of a glut, but no fears are entertained of there being an overplus between now and Memorial Day, which promises a good demand, inquiries coming in daily for quotations for that date.

Owing to continued cold weather, getting down to freezing point at nights, the bedding plant trade has fallen off considerably. People, evidently, are beginning to realize that it is much too early to start planting out yet. The demand for this stock promises eventually to be large and will, no doubt, be far in advance of previous years.

Highland Park Lilac Display

As guests of the Park Board, the members of the Rochester Florists' Association were invited to meet at Highland Park, on Friday, May 13, for the purpose of inspecting the Lilacs.

Owing to the season of the year, which is an exceptionally busy one for the trade, many found it impossible to get away and the attendance was, therefore, not as large as could have been desired. However, a fairly representative body was in attendance and a most enjoyable and instructive afternoon was spent by all present. The party was met at the Pavilion by Mr. A. B. Lamberton, president of the Park Board, and Mr. John Dunbar, ass't supt. of parks, and joined later by Mr. Wm. C. Barry, chairman of the Board, and other members.

The party were conducted through the grounds by Mr. Dunbar who, through his wide knowledge and experience made the visit a most instructive and delightful one.

Highland Park, situated on a slope of rolling hills in the southern part of Rochester, is perhaps of all the parks the most charming for its natural beauty, and one which through the genius of John Dunbar, has become the Mecca of thousands of our citizens, and bids fair to become a park of national importance, which in many respects it is at the present time. With a southern exposure and being almost entirely protected from the north winds, it is particularly adapted for its purpose of conserving a collection of rare and beautiful plants, shrubs and trees, the abundance of which provides for the people from early Spring to late Fall an almost endless variety of flowers. The park has become so commonly used that the mere fact that 25,000 to 30,000 people visited it to see the Lilacs or the Rhododendrons, in one day, excites very little attention.

The collection of Lilacs numbers 206 varieties, comprising 14 species, and is considered one of the three most complete collections in the world, only being equalled by one in Boston and another owned by the Dominion Government of Canada. It would be impossible to give any account in an article of this kind, of the many fine sorts seen here, as the collection is much too comprehensive, and as one gets to the end of it he realizes what a task it would be to name, say, five varieties. Special mention may be made, however, of Mme. Casimir Perrier, a fine double white and one that Mr. Dunbar says is considered a fine forcing variety. If it could be forced into anything like the perfection in which we saw it it would be a grand thing for florists' use. However, in Mr. Dunbar's opinion, Princess Alexandra is, of all the double whites the best yet, and some fine specimens were seen and were truly glorious in their profusion of bloom. Congo, the nearest approach to a red, was very brilliant and caused much favorable comment, as did many others, such as Croismoise, Brilliant, Comte de Kerchove, Grand Duc Constantin, Dr. Lindley, Pres. Liger, Uncle Tom, Charles Sargent, Toussant, l'Overture, and Lilarosa. After finishing with the Lilacs the party was led along the grass walk to the Rhododendrons, which, having wintered well, are now in fine condition and the buds swelling, which assures a grand display in about two weeks. The growth of some of the plants is quite remarkable, some reaching ten feet and over. Many new varieties just added to the collection this Spring are standing up well; they have not, however, the healthy vigorous look that the old established plants have. The collection of evergreens here is a very extensive one. Darkness came on before we could look them over, which shall certainly be done the next time we visit Highland Park. H. B. STRINGER.

Palms That Bring "Repeat" Orders

That's the test of quality—not the first order, but the second, and the third! We're glad for new business—and we're getting a lot of it—but we value most of all the patronage of those who have been with us steadily for years. Such orders prove beyond question the superiority of our Palms—prove the advantage of buying home-grown stock produced under the care of Palm experts.

All of our Palms are propagated from the seed, right here in our own houses. Ours are clean, strong and vigorous—vastly better than any imported Palms you could buy—yet they cost no more.

These Palms not only bring "repeats" to us, but to you, too—your customers will appreciate their excellence and will order again. It's little trouble to dispose of such "quality stock" and there's profit in it. Use Heacock's Palms for straight sales, for store display, decorating contracts, or renting; you can, in this way, build up a department showing a good income—florists everywhere are doing it.

We offer a very choice collection this Spring and advise placing orders early before the stock is picked over. Shipments are made by fast freight, assuring quick deliveries at low carriage rates.

Areca Lutescens

6-in. pot, 3 plants in pot, 26 to 28 in. high. Each $1.00
7-in. pot, 3 plants in pot, 30 to 32 in. high. Each $2.00
8-in. pot, 3 plants in pot, 36 in. high ..... Each $2.50
8-in. pot, 3 plants in pot, 42 in. high ..... Each $3.00

Cocos Weddelliana

2½-in. pot, 8 to 10 in. high. Per 100 ..... $10.00

Kentia Belmoreana

5-in. pot, 6 to 7 leaves, 18 in. high.... Per doz. $6.00
Per 100 ..... 50.00
5-in. pot, 6 to 7 leaves, 20 in. high ..... Per doz. $9.00
Per 100 ..... 70.00

Kentia Belmoreana

6-in. pot, 6 to 7 leaves, 22 to 24 in. high.... Each $1.00
Per doz. 12.00
7-in. pot or tub, 6 to 7 leaves, 32 to 34 in. high...
Each $2.00
Per doz. 24.00
9-in. tub, 6 to 7 leaves, 5 ft. high. Each $7.50 and $8.00

Made-Up Kentia Forsteriana

9-in. tub, 4 plants in tub, 42 to 48 in. high. Each $4.00
12-in. tub, 4 plants in tub. 6 ft. high..... Each $15.00

Phoenix Roebelenii

5-in pots, nicely characterized ..... Each $1.00
6-in pots, nicely characterized ..... Each $1.50

"When in Philadelphia be sure to look us up."

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

Please mention the Exchange when writing.

Bedding Stock a Specialty

GERANIUMS, out of 4-in. pots, in bud and bloom, S. A. Nutt, Poitevine, Castellane, La Favorite, Buchner, Doyle and Gloire de France, at $6.00 per 100, or $60.00 per 1000.
VARIEGATED VINCA VINES, 4-in. pots, $7.00 per 100; 2½-in. pots, $2.60 per 100.
SALVIA Bonfire, 2½-in. pots, $2.00 per 100; 4-in. pots, $6.00 per 100.
VERBENAS, 2½-in. pots, $2.60 per 100, $20.00 per 1000.
HELIOTROPE, 4-in., $6.00 per 100.
DRACAENA Indivisa, 6-in. pots, $20.00 per 100.
All stock in first-class condition. Ready for shipping now. Please state how you wish shipments made. Cash with order, please.

E. L. RILEY, Trenton, N. J.
R. F. D. No. 2.

Please mention the Exchange when writing.

Alternantheras

Strong Rooted Cuttings

	100	1000
P. Major, Red	$0.50	$4.00
A. Nana, Yellow	.50	4.00
Brilliantissima, Best Red	.60	5.00

R. R. DAVIS & CO., Morrison, Ill.

Please mention the Exchange when writing.

English Ivy

About 200 plants from 4-inch pots. Fine stock $12.00 per 100. Cash with order

FRED BROTHERS
HEMPSTEAD (L. I.), N. Y.

Please mention the Exchange when writing.

DOMOTO BROS.

Wholesale Florists

Store, 2723 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.

Headquarters for
Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.
Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.

Please mention the Exchange when writing.

A1 STOCK DRACAENA Indivisa, 5-in., $2.50 per doz.; 6-in., $4.00 per doz. VINCA variegata, 4-in., $10.00 per 100. IVY GERANIUM, 2½-in., $3.00 per 100. GERANIUMS, Nutt and other good varieties, 4-in., $8.00 per 100. FIELD-GROWN PANSIES, Germon Strain, $1.00 per 100, $8.00 per 1000. H. P. ROSES, 6-in., just right for Memorial Day, $5.00 per doz.

F. C. RIEBE, Webster, Mass.

Please mention the Exchange when writing.

PALMS, FERNS *and* Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids.

The strain which I offer is unsurpassable, in 6 colors including fringed varieties, from 2½-in. pots, $6.00 per 100, $46.00 per 1000; from 3-in. pots, $7.00 per 100, $86.00 per 1000. Now ready.

GERANIUMS

Alph. Ricard, John Doyle, Castellane, Mme. Thibaut, S. A. Nutt, Beaute Poitevine, E. G. Hill, Jean Viaud, Mme. Landry, Mme. Jaulin, La Favorite, extra well grown plants in bud and bloom from 3½-in. pots, $8.00 per 100, $66.00 per 1000. Satisfaction Guaranteed.

PAUL MADER, EAST STROUDSBURG, PA.

Please mention the Exchange when writing.

VIOLET CULTURE

Price, $1.50 Postpaid

A. T. DE LA MARE PTG. & PUB. CO.,
2-8 Duane Street, New York

TRADE LIST

CLEMATIS, large-flowering varieties, 2-year-old plants; Henryi, Mme. Vellard, $3.00 per doz.
CLEMATIS paniculata, strong plants, $10.00 per 100; 3-in. pots, $6.00 per 100.
DRACAENA Indivisa, 4-in. pots, $10.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100 Seedlings from flats, 60c. per 100.
PASSIFLORA coerulea, 3-in. pots, $6.00 per 100.
ALTERNANTHERAS, four varieties, 2-in. pots, $2.00 per 100.
SWAINSONA alba, 2½-in. pots, $3.00 per 100.
ALYSSUM, Carpet of Snow, 2½-in. pots, $3.00 per 100.
PETUNIAS, Star and Rosy Morn, 2½-in. pots, $3.00 per 100.
CLEMATIS Vitalba, strong seedlings, $1.00 per 100; $8.00 per 1000. This is a very useful and fast growing variety of Clematis, bearing long sprays of sweet scented white flowers.
Plants from 2½-in. pots, $3.00 per 100: **ACHYRANTHES; LOBELIAS**, double and single blue; **PARLOR IVY; VINCA** variegata; **AGERATUM**, blue; **COLEUS**, Verschaffeltii, Queen Victoria, Quatricolor; **GOLDEN FEATHER, ALYSSUM**, Carpet of Snow, **PETUNIAS**, Star and Rosy Morn.
STOCK from 3-in. pots, $4.00 per 100: **GERANIUMS**, Rose and Nutmeg; **LANTANA**, Le Naine; **FEVERFEW**, The GEM; **IVY GERANIUMS; IVY**, Hardy English.
HONEYSUCKLE Halleana, and **WOODBINE**. Plants, from 4-in. pots, $1.60 per doz.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Why Delay Ordering Your Begonia Gloire de Lorraine?

You will soon want them sure. We are equipped better than ever to supply Excellent Stock; 2½-inch pots, twice transplanted, at $15.00 per 100, $140.00 per 1000.
CYCLAMEN, 3-inch pots, $7.00 per 100; 4-inch pots, $15.00 per 100.
POINSETTIAS, 2½-inch pots $5.00 per 100; $45.00 per 1000. Write us for Catalog.

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 16 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By experienced Rose Grower, German, 32, single; best of references. Address, P. A., care The Florists' Exchange.

SITUATION WANTED—By competent Rose Grower as manager of wholesale place. Good experience. References exchanged. Address, P. C., care The Florists' Exchange.

SITUATION WANTED—By sober industrious single man capable of taking charge of private or commercial place. Address, P. E., care The Florists' Exchange.

SITUATION WANTED—As head gardener or foreman on private or commercial place; 12 years' experience. A 1 references. Open for employment June 1. Address, P. F., care The Florists' Exchange.

SITUATION WANTED—By man with over 20 years all-round experience as florist, nurseryman, private gardener, landscape work, forestry work, etc.; good grower, hustler with help. Full charge expected. Good wages. No drinker. "Horticulturist," care Box 97, Jersey City, N. J.

SITUATION WANTED—By experienced greenhouse man and gardener, 26, single, German, good willing worker, on private or commercial place. References; state wages and particulars. Address, G. K., care of A. Geiger, 198 Woodward ave., Brooklyn, N. Y.

SITUATION WANTED—As head gardener on a private estate; 15 years' practical experience in all branches of gardening; first-class grower of tropical plants and Orchids, also Carnations, Roses and 'Mums. Age 29, Englishman, married, no family; best of references. Address, P. D., care The Florists' Exchange.

SITUATION WANTED—By successful foreman, 19 years' experience in all commercial lines of cut flowers and pot plants; able to take entire charge of the growing, handling help, etc.; advertiser can furnish satisfactory references pertaining to character and ability; when replying, please give full particulars and state wages. Address, Foreman, 1201 Coldwell st., Charlotte, N. C.

SITUATION WANTED—By experienced gardener, American, 40 years old, married, no children; 20 years' experience on outside and under glass work. Would like to connect with some park, cemetery or landscape gardeners. Would consider private place where landscape and forestry work are the leading features. Reference as to character and ability. Address, O. E., care The Florists' Exchange.

SITUATION WANTED—By a practical working foreman and head gardener; competent to take full charge of any well kept private or city place where a gardener is needed and where he gets paid as much. Can produce the best results. Well educated, 29 years of age, married; strictly temperate, honest and reliable. Steady position expected. No Summer place! Please state wages and particulars in first letter. Gardener, 26 Scholes st., Brooklyn, N. Y.

SITUATION WANTED—As superintendent, landscape gardener or forester; German, age 31, single, 17 years' experience, graduate of Royal Horticulture College, Geisenheim, Rhein, Royal Botanic Gardens, Kew, and Jardin des Plantes, Paris. Well educated; expert landscape engineer, good draughtsman, propagator, grower of Shrubs, Trees, Conifers, Herbaceous Plants, Greenhouse Plants. Well versed in Forestry. Excellent credentials. Address, O. I., care The Florists' Exchange, Room 614, 60 Wabash ave., Chicago, Ill.

HELP WANTED

WANTED—2 gardeners for outside planting and potting. Apply to Krombach, 187 25th st. cor. 4th ave., Brooklyn, N. Y.

WANTED—An experienced nurseryman to take charge of our retail department; one who has had long experience in the business, knowing the value of trees, and a good salesman. A good position is open for the right man. The Elizabeth Nursery Co., Elizabeth, N. J.

Continued to next column

HELP WANTED

MECHANIC WANTED—To do light firing, steam boilers, in large establishment, and having a general mechanical knowledge. Apply "Permanent" care The Florists' Exchange.

WANTED—A strictly sober, honest man, single, with some experience in growing Chrysanthemums, bedding plants; state wages expected with board; steady position to right man. R. Plebany, Elm Road and Chestnut st., Newark, N. J.

WANTED—Competent assistant or manager for retail city store. Must understand designing. State age, experience and salary required. Answer quick. Central Florists, Kalamazoo, Michigan.

WANTED ROSE GROWER

Only one who can produce the best stock, mostly Killarney grown. Must be of good character. Near New York. Address with references, stating wages wanted, Robt. C. Pye, Nyack, N. Y.

WANTED—Good grower, capable of handling men, to take full charge of Florist department and invest about $1000.00 as partner, or member, in one of the fastest growing florist and landscape businesses in wealthiest section of the country. Address, O. B., care The Florists' Exchange.

WANTED—Thoroughly experienced man to take charge of plant department. Must understand growing of pot plants for Christmas, Easter and Memorial Day. Apply with references. Married man preferred. Address, N. E., care The Florists' Exchange.

WANTED AT ONCE.

Thoroughly competent man on up-to-date place of 32,000 sq. ft. of glass, where Carnations, Roses, 'Mums, bedding stock and a general stock are grown. Send references and wages wanted, with inquiry. Aug. von Boeselager, Mt. Clemens, Mich.

WANTED—An experienced grower of small Ferns, to work under foreman; also one grower of potted plants; must be willing to do potting and general work, when not engaged in own section. Both men must be able to take charge of section; wages $12.00 to $15.00 per week. Apply by letter or in person, giving references, to H. V. F. de Thestrup, Foreman for A. M. Davenport, 88 Grove st., Watertown, Mass.

WANTED ROSE AND CARNATION GROWER—An experienced man, for 15,000 ft. of glass, to take hold at once. $60.00 per month to begin and advanced as worth demonstrated. Only a man who can and has produced A 1 results in Roses and Carnations need apply. Send copies of references and all particulars with application. I. M. RAYNER, Box 148 Greenport, N. Y.

ASSISTANT GARDENER WANTED

WANTED—A young man capable of putting out bedding plants, caring for flower beds and making himself generally useful about flower and vegetable garden as assistant gardener on a private place; must have some experience in greenhouse work. Permanent position with $35.00 a month and board, to a good man, who is quick and neat about his work. No others need apply. Apply by letter, stating references, to H. B. McCollum, 100 Maryland ave., Wilmington, Del.

STOCK FOR SALE

ASTERS

100,000 TRANSPLANTED ASTER PLANTS —Queen of the Market, all colors; Giant Comet, all colors; Vick's Late Branching, Vick's Early Branching, all colors; Vick's Upright, white and rose; Daybreak; Royal Purple; Crego's Pink; Ostrich Plume; any of the above at 40c. per 100, $3.50 per 1000; also Glen Mary and Dunlap Strawberry Plants, $3.00 per 1000. L. Mitchell, Jr., Pulaski, N. Y.

CARNATIONS

CARNATIONS—Dec. and Jan. Cuttings: Enchantress, Fairmaid, Queen, Harlowarden, $2.00 per 100. Cash with order. S. B. Hoyt, New Canaan, Conn.

CARNATION PLANTS, for out-door blooming, Marguerite and Chabaud's Giant Fancy, transplanted seedlings, branchy and strong, $3.00 per 100. Cash. M. J. Schaaf, Dansville, N. Y.

CARNATIONS

From flats, $2.00 per 100; Enchantress, Winsor, Splendor, Dorothy Gordon, 3-in. pots, 12c. Healthy stock. Cash with order. James Macfarlane, Staatsburg-on-Hudson, N. Y.

CHRYSANTHEMUMS

GLORIA—100, $2.50; Pres. Taft, Mrs. W. E. Kelley, 100, $3.00; Golden Glow, Pacific Supreme, White Cloud, 100, $1.25; R. C. prepaid; Gloria, 2½-in., $3.00. Chas. Frost, Kenilworth, N. J.

CRYSANTHEMUMS, extra strong rooted cuttings, guaranteed.

J. K. Shaw	Dr. Enguehard
Adella	White Bonnaffon
Maj. Bonnaffon	Jeanne Nonin

$1.50 per 100, $12.00 per 1000.
A. W. HIGGINS, WESTFIELD, MASS.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Continued to next column

STOCK FOR SALE

CHRYSANTHEMUMS.

CHRYSANTHEMUMS, transplanted cuttings, Estelle, Pacific, Oct. Frost, Halliday, Bonnaffon, Maud Dean and other varieties, $1.25 per 100, $12.00 per 1000. Baylis & Sons, West Grove, Pa.

CHRYSANTHEMUMS

Clementine Touset, Plants, $3.00 per 100, $25.00 per 1000; Rooted Cuttings, $2.00 per 100, $17.50 per 1000. Ivory, Monrovia, October Frost, Pacific Supreme, A. J. Balfour, Tim Eaton, White Cloud, Jeanne Rosette, Maud Dean, Yanoma, Plants, $3.00 per 100, $25.00 per 1000; Rooted Cuttings, $2.50 per 100, $20.00 per 1000. Col. D. Appleton, Crocus, Major Bonnaffon, Mlle. Jeanne Nonia, Plants, $3.00 per 100, $25.00 per 1000; Rooted Cuttings, $2.00 per 100, $15.00 per 1000. Gloria, Pres. Roosevelt, Golden Eagle, Intensity, Nagoya, Plants, $4.00 per 100, $30.00 per 1000; Rooted Cuttings, $3.00 per 100, $25.00 per 1000. Indiana, Mrs. W. E. Kelley, Plants, $6.00 per 100; Rooted Cuttings, $4.00 per 100. Pres. Taft, Plants, $10.00 per 100; Rooted Cuttings, $8.00 per 100. Special fine lot of Anemones, Pompons and Singles from pots, list of varieties on application, our selection, $3.00 per 100, $25.00 per 1000. Elmer D. Smith & Co., Adrian, Mich.

GERANIUMS

GERANIUMS—Nutt, Viaud, Buchner, Grant, 4-in. plants, $25.00 for the lot of 500. L. J. Smith, 156 S. Centre st., Merchantville, N. J.

2500 GERANIUMS—Nutt, Double Grant, Double Light Pink, Double White, 3½-in. pots in bud and bloom, $5.00 per 100; in 4-in. pots, very bushy, 8c. Mme. Salleroi, 2½-in. pots, as large as ordinary 3-in. stock, 3c.
Arthur Cornelis, Somerville, N. J.

S. A. NUTT GERANIUMS, 4-in. pots, $7.00 per 100.
Mrs. E. G. Hill, 4-in. pots, $7.00 per 100.
John Doyle, 4-in. pots, $7.00 per 100.
Salvia, 2½-in. pots, $2.00 per 100.
Verbenas, 2½-in. pots, $3.00 per 100.
All above plants are in bud or bloom; fine and healthy stock. A. Laub & Son, Hughsonville, N. Y.

NURSERY STOCK

CLEMATIS PANICULATA

Splendid stock for lining out in field, $5.00 per 1000. 10 samples by mail 10c.
The Elm City Nursery Co., New Haven, Connecticut.

ROSES

ROSES, STRONG, CLEAN STOCK

Own root, all 3½-in. pots: Bride, Bridesmaid, Chatenay, Golden Gate, Pink Killarney and Kaiserin. $6.00 per 100; Grafted Pink Killarney, $12.00 per 100. P. R. Quinlan, Syracuse, N. Y.

STOCK FOR SALE—1500 My Maryland, solid bench plants, one year old, fine strong wood; good to grow on again, $6.00 per 100, $50.00 per 1000; also several thousand two year old Richmond, fine strong plants, $50.00 per 1000. A. Farenwald, Roslyn, Montg. Co., Pa.

STOCK FOR SALE—1000 Pink Killarney and 500 Richmond, 7 cents each; 2000 Maid plants, 6 cents each; 400 one year old Gardenia plants, 25 cents each; all fine plants in 4 in. pots; also 10 second-hand 4-in. hot water valves at $2.50 each. Brant-Hentz Flower Co., Madison, N. J.

ROSES

From 2¼ in. pots, fine stock. The following varieties at $3.00 per hundred, $25.00 per thousand. 25 plants of a kind at the hundred rate, 250 at the thousand rate.

Agrippina	Bride
Bridesmaid	Bon Silene
Clothilde Soupert	Coquette de Lyon
Catherine Mermet	Crimson Rambler
Golden Gate	Mrs. Ben R. Cant
Mme. Abel Chatenay	Mme. Joseph Schwartz
Mlle. F. Kruger	Safrano
White Bougere	

The following varieties at $3.00 per hundred, $27.50 per thousand.

Antoine Revoire	Climbing Kaiserin
Cl. Meteor	Cl. Malmaison
Etoile de Lyon	Gruss an Teplitz
Helen Gould	Hermosa
La France	Maman Cochet
Mme. de Watteville	Mme. Welche
Pink Cochet	Papa Gontier
Souv. de la Malmaison	White Cochet

The following at prices named:

	Per 100
Blumenschmidt	$3.00
Climbing Killarney	4.00
Cl. Perle des Jardins	3.00
Dinsmore	3.00
Helen Good	2.00
Kaiserin Augusta Victoria	3.00
Killarney	3.50
Margaret Dickson	3.50
Mrs. John Laing	3.50
Mme. Masson	3.00
Mme. Chas. Wood	3.00
Marechal Neil	3.00
Perle des Jardins	2.00
Rhea Reid	3.50
Souv. du Pres. Carnot	3.00
Wellesley	3.00
Wm. R. Smith	3.00

The Good & Reese Co., Springfield, Ohio. Largest Rose Growers in the World.

Continued to next column

STOCK FOR SALE

SMILAX.

SMILAX—Strong seedlings, 40c. per 100, $3.50 per 1000. Cash please.
Wm. Livesey, 6 McCabe st., New Bedford, Mass.

SMILAX
for June or July delivery, $12.50 per thousand; fine plants. Geraniums and Salvias all sold. P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

SMILAX—Strong, stocky seedlings, from flats; 50c. per 100, $5.00 per 1000. Fred Holtke, cor 5th and Broad sts., Carlstadt, N. J.

VEGETABLE PLANTS

PRIZETAKER ONION SEEDLINGS, for transplanting, strong and vigorous, $1.00 per 1000. Stevia $1.00 per 100. Henry Holzapfel, Jr., Hagerstown, Md.

MILLIONS of early and late vegetable plants for sale. All kinds and varieties, transplanted or not; write for prices. See our display advertisement in this issue of pot plants. Alonzo J. Bryan, Washington, N. J.

MISCELLANEOUS

LEMON VERBENA, Heliotrope, Stevia and Feverfew, R. C., 75c. per 100, prepaid. Chas. Frost, Kenilworth, N. J.

IVY

English Ivy, 2-in. pots, $2.00 per hundred. Henry Engler, 4651 Lancaster ave., Philadelphia, Pa.

STOCK FOR SALE—Double Lobelia, 2-in., $2.00 per 100. Salvia, Zurich, rooted cuttings, 75c. per 100, $6.00 per 1000; 2-in., $1.50 per 100. F. A. Ezold, Haddam, Conn.

STOCK FOR SALE—40,000 Verbena plants in bud and bloom, $20.00 per 1000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

SALVIA SPLENDENS—A few thousand, from 8 to 12 inches high, at $25.00 per 1000.
Bay View Greenhouses, Flatbush ave., Brooklyn, N. Y.

HARDY and TENDER NYMPHÆAS, all classes. Choice assortment of aquatic plants, Eulalias, etc. Price on application. Edw. S. Schmid, 712 12th st., N. W., Washington, D. C.

ASPARAGUS SPRENGERI

2¼ in. pots, fine stock, $2.25 per hundred, $20.00 per thousand.
The Good & Reese Co., Springfield, Ohio. Largest Rose Growers in the World.

STOCK FOR SALE—20,000 Vinca Minor (Myrtle blue fl.) 1 year old strong field-grown clumps, $7.00 per 100. 4000 Dracæna Indivisa, extra fine, 4-in., 10c.; 5-in., 20c.; 6-in., 35c.; 7-in., 45c.; 8-in., 60c.; 9-in., $1.00 each. Cash please.
Frank Boehme, Watchung ave., Bloomfield, N. J.

BEGONIA Lorraine and Agatha—2½-in., twice transplanted, $12.00 per 100; in 600 lots, $50.00 per 500.
Box Trees, all sizes. Ask for special list.
Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. Y.

500 DRACAENA INDIVISA

Strong plants, 3 ft., 6-in. pots, $6.00 per doz., $40.00 per 100; strong plants, 2 ft., 5-in. pots, $4.00 per doz. 600 English Ivy, 4-in. pots, $15.00 per 100. Large Boston Ferns. Cash with order.
HENRY RUDOLPH, ESSEX FELLS, N. J., Tel. 6, Caldwell, N. J.

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in Plants, Bulbs or Nursery Stock.

WANTED—Latania Borbonica, 3½ to 5 feet tall; also Hydrangea Otaksa, in half barrels or butter tubs. N. A. Corlin, Elberon, N. J.

SUNDRIES FOR SALE

FOR SALE—Best brands greenhouse glass, all sizes at special low prices. Small or large lots. C. S. Weber & Co., 10 Desbrosses st., New York City.

FOR SALE—At a bargain, a steel galvanized-iron Wind-Mill Tower. 75 ft. high; tank capacity, 5,000 gallons. Also a 2½ hp. Mertz & Weisse kerosene engine. Everything in perfect condition. Address, Lucas V. Beau, Larchmont, N. Y.

FOR SALE—Modern greenhouse, 22x80, with propagating house, 6x80, attached, Hitchings all iron construction, complete, cheap; also 25,000 feet 1¼, 1½, 2 and 3 in., wrought pipe; 1,000 feet Vent. Apparatus; 2 No. 17 Hitchings and 3 sectional cast boilers; 60 boxes 10x14 and 60 boxes 16x24 double thick glass; 300 boxes 10x12 double thick glass in big lots at $1.55 per box. Sash bars, etc. Suessermann, 229 Livingston st., Newark, N. J.

FOR SALE OR RENT

FOR SALE—4 greenhouses 10,000 feet of glass; all stocked, over ½ acre of ground, 6-room cottage. Address, Mrs. Geo. A. Relyea, Orchard place, Poughkeepsie, N. Y.

FOR SALE—An established greenhouse, doing a profitable business, consisting of one house, 60x25, one 60x17, and 14 frames, 1 lath house, 60x20, well stocked; also rolling stock; bargain for cash. Apply J. L. Towner, 205 North Paca st., Baltimore, Md.

FOR SALE—Greenhouse property of 10,000 ft. of glass, A 1 condition. Steam heating, electric light; the same is stocked with Roses, Carnations and bedding plants. The reason for selling: I have two establishments and must dispose of one. Inquire of W. D. Snell, Herkimer, N. Y.

FOR SALE
A modern uptodate place in first-class condition, situated in Elmhurst; about 20,000 square feet of glass, 3 acres of land, modern cottage of 8 rooms, bath with all improvements, barn, 2 horses, 1 cow, wagons, etc. This place is fully stocked in first-class running order. Come and see it. Cause for selling; death in family.
Chas. Lustgarten,
Trotting Course Lane, Elmhurst, N. Y.

BUSINESS OPPORTUNITY PACIFIC COAST

Controlling interest may be acquired in old established Florist and Nursery Business. Splendid properties, 25,000 feet of glass, 20,000 feet of new modern, best construction. Town 15,000, with large cities nearby. Property is well stocked, with all buildings in first-class condition; doing a very profitable business, which can be increased to any extent. Splendid reputation and no embarrassment of any kind. Address for particulars,

P. G., care The Florists' Exchange, New York City

For Sale—Seed House

One of the leading catalogue houses of the Middle West, also having a large local trade. Located in the heart of the great agricultural and gardening section. 35,000 catalogues issued annually. Sales the past four months over $18,000. Credit and references A 1. No incumbrances. Over $8000 spent in advertising the past seven years. Also have a good Poultry and Bee supply trade. Write for full particulars and catalogue. Address,

J. L. T., care Room 614,
No. 60 Wabash Ave., CHICAGO, ILL.

Please mention the Exchange when writing.

Opportunity of a Lifetime

FOR SALE — A well-established, money-making, up-to-date, wholesale commission company, in Denver, Colo.; dealing in cut flowers and florist supplies; no competition; only small amount of cash required. Address communications to

N. A. BENSON
1360 So. Sherman St., DENVER, COLO.

Please mention the Exchange when writing.

MISCELLANEOUS WANTS

WANTED TO BUY—Retail place after lease-it for a while. State rent or on shares. Box 97, Jersey City, N. J.

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

BUSINESS CONNECTION DESIRED
A landscape gardener, talented and well acquainted with everything horticultural wants to come in connection with a large Nursery or other establishment. Address, P. B., care The Florists' Exchange.

We Pay The Freight on cut-flower and design boxes. See our price list on page 914, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.
Box 200 . . . Castorland, N.Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 6¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 600 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 160 lbs. pressure, 9c. 6 ply guaranteed 260 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 86c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.66. Glazed with 10 x 12 double thick glass at $1.86. Second hand sash glazed with 6 x 8 glass at $1.36, and glazed with 10 in. glass at $1.36.

PANSY AND FLOWER BOXES All sizes. Send for prices.

CARNATION SUPPORTS About 10,000 at $4.00 per 1000.

GLASS New American natural gas made glass, packed 60 sq. ft. to the box, 8x10, 10x12 and 10x16 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Reebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

The book of WATER GARDENING
By Peter Bisset. Price, postpaid, $2.50
A. T. DE LA MARE PTG. & PUB. CO., LTD
2 to 8 Duane Street, New York.

SPECIAL OFFER OF Bedding Plants

To Those Florists and the Trade That Need First Quality Stock FOR MEMORIAL DAY PLANTINGS

	Per 100	Per 1000
Alternantheras, Red and Yellow, from 2½-inch pots	$2.00	$20.00
English Ivy. Strong Rooted Cuttings 2 feet long	2.00	
English Ivy, from 3-inch pots	4.00	
Dracaena Indivisa, strong 5-in. pots	20.00	
Dracaena Indivisa, strong 4-in. pots	15.00	
Nice Plants of Periwinkle, from 2½-in. pots	2.00	18.00
Echeveria Secunda Glauca	$2.00, $3.00 and 4.00	
Lavender, 2½-in. pots	2.00	18.00
Coleus, Petunias and **Phlox,** 2½ in. pots	2.50	20.00

JOHN ALBRECHT

PENCOYD (NEAR PHILADELPHIA) MONTGOMERY CO., PA.

Please mention the Exchange when writing.

Question Box

We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

(123) **Specimen for Name.**—L. C. B., N. Y.

—The specimen sent us appears to be Mesembryanthemum spectabile, a native of South Africa.

(124) **Names of the most profitable** flowering plants which can be grown outdoors from seeds this season?—F. S., Milton, N. Y.

—Nasturtiums, Marigolds, Calliopsis, Asters, Candytuft, Cosmos, Petunias, Salvias and Zinnias. Seeds of all the above may still be planted and flowers obtained this season.

(125) **To Obtain Seeds from Double German Stock?**—J. L., Algiers, La.

—Grow the double flowered German Stocks alongside the single ones and save the seed from the single ones; from these latter is obtained a certain proportion which will produce double flowers. Transplant three plants to a pot and you will obtain on an average one double.

(126) **Varieties of Hardy Hydrangeas for Richmond, Va?**—P. B., Richmond, Va.

—Use Hydrangea paniculata grandiflora, also H. arborescens grandiflora alba, and H. cinerea sterilis. The pink varieties Hydrangea hortensis would probably be hardy at Richmond. See Joseph Meehan's article in Florists' Exchange of May 14, 1910.

(127) **Good Variety of Yellow Paris Daisy for Cut Flowers?**—C. M. W., Ronks, Pa.

—The Etoile de Paris is considered one of the best varieties of yellow Daisies for cut flowers.

GERANIUMS

Strong, S. A. Nutt, from 4-in. pots, in bud and flower, $7.00 per 100.

VINCA Variegata, heavy, 3 feet long, 6-in. pots, $15.00 per 100; No. 1, from 4-in. pots, $8.00 per 100.

KILBOURN & WILLIAMS, CLINTON, N.Y.

Please mention the Exchange when writing.

ORCHIDS Just arrived, in fine condition a large shipment of **Cattleya Trianae,** also **C. Gaskelliana, Oncidium varicosum Rogersii, O. crispum, Miltonia cuneata, Laelia crispa, L. Perrinii** and many more.

Another lot of **Cattleya Mossiae** and **C. labiata** due shortly.

LAGER & HURRELL
SUMMIT, N. J.

Please mention the Exchange when writing.

The F. E. Conine Nursery Co., STRATFORD CONN.

EVERGREENS EVERGREENS LARGE SIZES

Hemlock, 2 to 8 feet. **Austrian Pines,** 5 to 6 feet. **Norway Spruce,** 3 to 9 feet. **Abies Alba,** 5 to 6 feet. **Abies Balsamea,** 5 to 7 feet. **Retinisporas,** all sizes and shapes, among which are **Pyramidal,** from 6 to 12 feet. We have 40 varieties of Evergreens.

We have, we believe, the finest specimen Evergreens of any nursery on the Atlantic Coast. We should also mention particularly **Arborvitae.** All Evergreens dig with excellent balls.

OUR GROUNDS WILL CLOSE FOR THE SEASON ABOUT JUNE 25th

Please mention the Exchange when writing.

A. L. YOUNG & CO., 54 West 28th St., NEW YORK
Telephone, 3559 Madison Square
WHOLESALE FLORISTS ☞ Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial
Please mention the Exchange when writing.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager
Consignments Solicited
41 West 28th Street, Telephone 6237 Madison Square NEW YORK
Please mention the Exchange when writing.

NEW YORK, May 18.—At present, midweek, the New York cut flower market is weak, and does not take care of the cut of flowers which arrives, consequently the week's end has not only to take care of its own cut of flowers but of the left overs from mid-week. As long as these conditions continue the market will not possess any buoyancy.

The cut of flowers now arriving is abundant, but there is no deluge. The most fatal feature of all is that there is no advance in the price of any staple commodity. In short, the market is in a condition in which the buyer all too often names the price. Special American Beauty Roses bring 20c., yet many go to a buyer for $1.50 per dozen. Killarney Roses are beginning to come in more abundantly, and though a few fancy blooms realize 6c. each, 5c. is about the limit, and My Maryland is realizing no higher price than Killarney. Richmond is doing a little better, the best grade changing hands at 8c. each. Fancy Bride and Bridesmaid are selling for 5c. each.

The highest grade of Carnations realize 3c. each. Arrivals are moderately heavy and sales are rather slow; much good stock moves off around the 2c. mark.

For the best grade Gardenias $2 per dozen can scarcely be obtained. The highest grade Cattleyas are realizing 50c. each in limited sales, but not in larger transactions, where 40c. is the limit.

For the best grade Easter Lilies 6c. each is the top price, and Callas of the same grade are selling for $1 per dozen. Lily of the Valley is moving more slowly, and for the first time since Easter the price has a downward tendency, and for the choicest grade $3 per 100 is with difficulty obtained.

Peonies are coming in more plentifully and the best grade are selling for 8c. each. Some choice Sweet Peas are selling for $1 per dozen bunches, but most sales are at or below the 75c. mark.

Lilac, Pansies, Daffodils, and Tulips are mostly over with, but plenty of other Spring stock is coming in to take their places.

PHILADELPHIA, May 16,—There is no sharp advance in the prices of any flowers, but the market is a trifle firmer and steadier than last week. For several weeks there has been a tendency to a depressed market during midweek, and a firmer condition at beginning and end of week, and the same is now true. Some commodities have altogether or nearly passed out of the market for the season, among them Lilacs, Daffodils, Tulips, and Pansies. The supply of Roses, Carnations and Sweet Peas is abundant, and of Peonies and Gladioli moderate.

Special American Beauty Roses are selling for 20c. each, and in a few limited sales 25c. each is obtained. The best grade Killarney realize 8c. each, but most sales are on a somewhat lower basis. Fancy Richmond is selling for 12c., My Maryland for 10c. and Mrs. Jardine for 15c., but it should be distinctly understood that this price is obtained only for the very choicest selected blooms and in the smaller transactions. Fancy special Bride and Bridesmaid and Kaiserin realize 10c. each.

Top grade Carnations are selling for 3c. each. A few very choice blooms sell for 4c.

The very choicest grade of Gardenias in a few cases realize $2.50 per dozen, but most sales are at $1.50 per dozen and downward. Cattleyas, top grade, realize 50c. each, and Dendrobiums 40c. The present supply of Callas and Easter Lilies is not large; the former sells for 12c. and the latter for 10c. each for top grade. Lily of the Valley is moving rather slowly now, and $3.00 per 100 is the best price obtained.

The choicest Sweet Peas sell for $1.00 per 100, but 75c. is the usual selling price now for best grades.

Some Peonies of better grade are now arriving and realize 10c. each. A larger number and a greater variety of Gladioli are now offered and the best grade sells for $1.50 per dozen. Snapdragon, Stocks and miscellaneous flowers are all moving at moderate prices.

BOSTON, May 17.—The market has been quite good this week and there is every indication at the present time of a good market for the next two weeks. Probably Roses are most abundant at the present time, yet the largest growers report that they are quite pleased with their sales. Nevertheless, there is some surplus, but with the slight scarcity in Carnations the Rose condition was relieved. American Beauty is abundant and the quality is good. The Killarneys are good in quality, and meet a pleasing demand; they are certainly favorites with the people. Kaiserin and Carnot from cold houses are of excellent quality and the demand good. Bride and Bridesmaid are also of very high grade considering the time of year but the demand for them is not very good. Richmond moves well at quite remunerative prices. My Maryland is getting more plentiful and the flowers are of good quality. There are quite a few Wellesley and Chatenay, of superior quality, coming in, but prices are rather discouraging.

Carnations are selling very well and there is no surplus. They have not sold for some years as well as they are doing this year at this season. Carnation Day has helped out the sales for this week very materially. All kinds of Carnations have sold well but white kinds have been scarce and good flowers were picked up on sight at good prices. Several orders of 10,000 each were filled in the market this week.

Sweet Peas are not overabundant but there is some of good quality to be had, which find ready sale at good prices. Lilies are not very abundant. Some good Lilium auratum were seen this week for the first time.

Bulbous stock of all kinds, except late Tulips in the way of Gesneriana and Darwins, has practically disappeared from the market. There are some Narcissus poeticus which comes from outdoors. Spanish Iris is still in demand and brings fairly good prices. Gladioli are getting quite plentiful.

Antirrhinums are still in evidence but the quality is not as good as it was some time ago. Asparagus and Adiantum are always scarce and in good demand. Orchids are quite plentiful in the way of Cattleyas, and the retail stores were making special features of them this week. R. C.

CHICAGO, May 17.—The market for the past few days has been exceptionally good, and stock has moved nicely. The principal demand is for Carnations, and for white sorts the orders are ofttimes not filled to the full. It is stated that the shortage in Carnations will be seriously felt for Decoration Day, as many growers are reported off crop, but there is no doubt some are beginning to hold back stock for the occasion. The prices quoted for Carnations for Decoration Day range from $4 to $6 per 100.

Roses are in far better crop than Carnations, and the prospects are that there will be a good supply for May 30, especially American Beauty, which has, however, not advanced very much in price except on short grades. Extra fine Killarney are quoted at $10 per 100, medium from $6 to 8, with good short stock at $4 to $5. Bridesmaid and Perle range from $4 to $8 per 100, according to grade.

For DECORATION DAY
WE WILL HAVE THE
Biggest and Finest Line of Carnations
IN THE CITY
BEAUTIES AND RICHMONDS We have the best, as well as all other Roses.
We need more and can interest growers of good Beauties particularly.
VALLEY, GARDENIAS, ORCHIDS, IRIS, Etc.
Out of town orders will get our best attention
Henshaw & Fenrich
WHOLESALE FLORISTS
51 WEST 28th STREET
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Please mention the Exchange when writing.

The chief advance in prices is on all lower grades of flowers, as for the holiday they can be utilized to better advantage than the long stemmed ones. There is nothing to hope for in the outdoor line but Snowballs, and Peonies. Sweet Peas are still up to the standard, and bring from 75c. to $2 per 100. Lilies are not very plentiful, but as the demand has been very light for the past week a shortage is not felt. Some double Narcissus are to be found and a few outdoor Tulips are seen.

Peonies are arriving in good shape and some are already being put in cold storage, but not to any extent. $1 a dozen is obtained for fancy kinds; others go at from 4 to 6 cents, according to grade. Gladioli are not so plentiful, possibly due to the growers holding back stock. Cape Jasmine has arrived in excellent quality, which has somewhat affected the demand for Gardenias. Orchids are coming in a little more plentiful each week.

New common Ferns from the South are to be had, and are far ahead of the cold storage Ferns in quality; the price is $2 to $2.50 per 1000, while cold storage Ferns have reached the $3 mark. All other green stock is quoted at regular prices. Advance orders for Decoration Day are arriving in great numbers and all orders show that there is a shortage in the Carnation line throughout this section.

INDIANAPOLIS.—April 16.—The florists are not alone in the complaint that the cold weather is detrimental to business at this time, but the tradesmen in general say that May receipts are less than last year. There is little, if any, decorating going on and funeral work is below normal. Counter trade has been moderately good but not all of the fancy stock finds an outlet in this manner, as is generally the case. The supply of flowers is of excellent quality and the variety large enough for all.

Lilies, and Callas, which have been selling so well for a protracted period, are struggling to get off the market at $10 per 100. The retail figure remains close to $3 per doz. Carnation growers are ofttimes at a loss to find an opening for their product at $1.50 to $3 per 100; 60c. to 75c. per doz. is the storemen's price. Superb Sweet Peas are obtainable and sell better perhaps than anything else at 75c. to $1 per 100, over the counter. Short stemmed flowers are wholesaled at 25c. to 35c. per 100.

The absence of field grown Valley has restored the forced flowers to the old price, $1 per doz. retail, $4 per 100 wholesale.

Some fine Cattleyas are being grown in this vicinity, but the public evidently loses taste for them at this time as they are difficult to dispose of.

Bride, Bridesmaid and Richmond Roses are the best selling sorts just now, at $4 to $7 per 100 wholesale and $1.50 to $2 per doz. retail, for the best. A few of the Summer Roses are seen at the same price. The Killarneys are mostly off crop and of comparatively poor quality, at $5 to $8 per 100. American Beauty is selling slowly at $5 to $25 per 100.

Michigan Ferns are still arriving in good shape and but few of the complaints made elsewhere can be made. I. B.

ST. LOUIS, May 16.—Trade last week in the cut flower business showed no improvement with the retailers and wholesalers as the demand was light.

The commission men have handled a lot of stock, but prices in all grades were low. Roses and Carnations were so plentiful that some of the consignments were left unsold. Prices on these were: Roses, long fancy, not over $6 per 100; firsts, $4; shorts, $1 to $2. American Beauty, extra fancy, long, $3; next choice, $2; shorts as low as 36c per dozen. Carnations, fancy, not over $2; firsts, $1.50; common splits, $1 per 100.

Sweet Peas are fine and in abundance at from 25c. to 50c. per 100. Peonies, red, pink and white, are coming in fine at ffom $3 to $4 per 100.

Gardenias are arriving from Texas in big lots; extra fancy long sell at $1.50, shorts 50c. to $1 per 100.

Of Lilies the market is in full supply. Good Harrisii sell for $6 per 100; extra fancy go to $8. Callas same price. There is some extra fine Lily of the Valley in the market at $3 to $4 per 100, with quite a good call. There are also plenty of perfect greens of all kinds to be had.

A good call for bedding stock in plants has started and the greenhouse men are all busy planting. The season has started in late and everybody is rushed now that warm weather is here. ST. PATRICK.

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COMMISSION DEALER IN CUT FLOWERS
Established 1887 106 West 28th Street, New York (NEAR 6th AVENUE ELEVATED R. R.)
Consignments of all varieties of Cut Flowers solicited.
Returns made daily where requested.
Best prices. Prompt payments.
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BONNET & BLAKE
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130 Livingston St., BROOKLYN, N. Y.
Telephones: 1193-1194 Main
We solicit consignments of cut flowers, especially of good ordinary carnations; prompt returns and payments. Out-of-town orders carefully attended to. Give us a trial.

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COOGAN BUILDING, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary

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Successor to Ford Bros.
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Wholesale Commission Dealers in Cut Flowers and Supplies
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GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
110 West 28th Street
Phone, 561 Madison Square NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888

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Greenhouses: FOREST HILL, N. J.
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Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
55 West 28th Street, NEW YORK
Telephones 4626, 4627 Mad. Sq. Established 1891.

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Wholesale Florist
CONSIGNMENTS SOLICITED
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MOORE, HENTZ & NASH, WHOLESALE COMMISSION FLORISTS, BROKER, AGENT, ADJOINING New York Cut Flower Co's SALESROOM. 55 West 26th St., New York.

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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York.

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WHOLESALE FLORIST
55 & 57 West 26th St., New York
VIOLETS CARNATIONS AND ROSES
Shipping orders receive prompt attention
Telephone: 3864 Madison Square

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Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664--1665 MADISON SQUARE
ENOUGH SAID

PHILIP F. KESSLER Commission Dealer in Cut Flowers
Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
55 & 57 W. 26th St., New York City
FINEST CALLAS AND LILIES EVERY DAY IN THE YEAR
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AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, May 18th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	12.00 to 20.00
" extra	8.00 to 10.00
" No. 1	6.00 to 8.00
" No. 2	3.00 to 5.00
" No. 3	2.00 to 3.00
Killarney	.50 to 6.00
White Killarney	.50 to 6.00
My Maryland	.50 to 6.00
Richmond	1.00 to 8.00
Mme. Abel Chatenay	.... to ....
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	3.00 to 5.00
" extra	2.00 to 3.00
" No. 1	1.00 to 2.00
" No. 2	.50 to 1.00
Adiantum	.... to 1.00
Croweanum	.... to 1.00
Antirrhinum (per bunch)	.50 to 1.50
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.15 to .25
Sprengeri, bunches	.15 to .25
Bouvardia	.... to ....
Callas	4.00 to 8.00
Daffodils	.50 to 2.00
Daisies	.50 to 1.50
Ferns, per 1000	1.50 to 2.00
	.... to ....
	.... to ....

CARNATIONS—		
Inferior grades, all colors		.75 to 1.00
Standard Varieties	White	1.00 to 1.50
	Pinks	1.00 to 1.50
	Red	1.00 to 1.50
	Yel. & Var.	1.00 to 1.50
Fancy (The highest grades of Sta'd varieties)	White	2.00 to 3.00
	Pinks	2.00 to 3.00
	Red	2.00 to 3.00
	Yel. & Var.	2.00 to 3.00
Novelties		.... to ....
Gardenias, per doz.		.50 to 2.00
Lilacs, per bunch		.... to ....
Lilies, Harrisii and Longi.		1.00 to 6.00
Lily of the Valley		.50 to 3.00
Mignonette, per doz.		.10 to .25
Narcissus		.50 to 1.00
Orchids, Cattleyas		40.00 to 50.00
Cypripediums, per doz.		.... to ....
Dendrobium Formosum		.... to ....
Pansies, per doz. bunches		.... to ....
Poinsettias, per doz.		.... to ....
Hyacinths		.... to ....
Smilax (per doz. strings)		1.00 to 1.50
Stevia, per bunch		.... to ....
Sweet Peas, per doz. bun.		.25 to .75
Tulips		.... to ....
Iris		1.50 to 2.00
Peonias		4.00 to 8.00

WALTER F. SHERIDAN
Wholesale Florist
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ALL VARIETIES OF CUT FLOWERS IN SEASON

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1996 Madison Square JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE CUT FLOWERS AT WHOLESALE

New York

George Cotsonas, 50 West 28th st., will remove to 127 West 28th st., June 1.

Kessler Bros., wholesale plant dealers, 50 West 28th st., will move June 1. They have not yet decided upon their new quarters. Among other good bedding plants in which the above firm is doing a rushing business is noted some extra good Heliotrope plants with very large blooms.

John F. Sharkey, 50 East 28th st., is just now doing a good business in window boxes and is showing some very meritorious work in that line.

William Schilowsky, Woodside, L. I. will sail for Europe in June for an extended visit.

F. Weinberg, Woodside, L. I., will soon sail for Europe. Along with him will go shipments of Cacti and rare plants, snakes, lizards and other reptiles for the collectors and zoological gardens of Europe. From Europe he will go to Africa, and on his return trip bring back rare plants and reptiles.

Joseph Leikens, 56th st. and Fifth ave., has a new automobile delivery wagon.

Herman Weiss, formerly with A. L. Young, is now with Charles Millang.

At Ehrmann's Flower Shop, 2112 Broadway, there is a fine display of Parrot Tulips, rechristened "Chantecler Tulips," and selling fast under their new name; also some imported aquaria, consisting of a single vessel of moulded glass filled with an attractive collection of fish, etc.

Some boughs of Cytisus Laburnum, the first observed this season, are displayed at David Clark's Sons, 2139 Broadway. The blooms of this small tree are very graceful and beautiful, and it is well named the "Golden Chain" tree.

At Wadley & Smythe's are seen some pans of Nertera depressa, commonly called "Bead Plant" or "Coral Moss," a hardy perennial forming a dense carpet close to the ground and covered with bright orange red berries.

P. Welch of Welch Bros., florists, Boston, Mass., was recently in town calling on the wholesale commission florists and looking up flower matters for Memorial Day.

James McManus, 42 West 28th st., will take in the Orchid show at Boston the last of this month. Several other wholesalers will also visit the show, a party leaving on the evening of May 27.

Phil. Kessler, 55 West 26th st., is receiving some very nice Sweet Peas, and some Centaurea in the newer varieties.

Walter F. Sheridan, 133 West 28th st., is receiving a choice cut of Enchantress, Winsor and Victory Carnations from Frank Niquet, Patchogue, L. I.

On June 7, at St. John's Church, Larchmont, N. Y., Beatrice May Stetson, daughter of Mr. and Mrs. Nahum Stetson of N. Y. City will be married to Mr. Victor Godwin. The church and house decorations will be furnished by H. Weendorff, Hotel Ansonia, Broadway. About 3000 pink and white Peonies will be used in these decorations for one item. The bride will carry a bouquet of Lily of the Valley and white Orchids, the maid of honor a bouquet of Oncidium Orchids, and the eight bridesmaids bouquets of pink Sweet Peas and Moss Roses.

Charles H. Vick of Rochester spent a day in New York last week, and talked up S. A. F. trade exhibition matters.

The John Young Co. of Bedford Hills is shipping some excellent quality American Beauty Roses to Traendly & Schenck.

The Cottage Gardens Co., of Queens, L. I., has leased twenty acres of ground opposite their greenhouses and have planted the same with evergreen and deciduous trees. The company will have no dearth of Peonies for Memorial Day.

If the facts concerning the strange disappearance of William Shanley, the Flatbush florist, are ever brought to light, Mrs. Shanley believes that a tale of abduction and blackmail will be revealed. It is over a month since he disappeared, and though word from him has been received from San Francisco, asking for a remittance to pay his fare home, the stipulations in regard to the forwarding of same were so unusual that the case has been placed in the hands of the New York and San Francisco police.

Gustav Winderoth, son of a local florist of Hoboken, N. J., while standing at the curb in front of his father's store recently, was kicked by a horse, the kick breaking his leg.

Pittsburgh, Pa.

Carnations and Roses are plentiful. Carnations bring from $1.50 to $3 per 100 wholesale; the variety Mrs. T. W. Lawson is exceptionally fine. Roses, seconds, bring 2c. and 3c., better stock 4c. to 12c. each American Beauty Roses are very poor. The stock is generally tight buds, commonly called "Bull-heads." It seems that at times the growers cut Beauties before they are properly developed. The market has been scarce of good Beauties for some time. Yellow Iris is very abundant.

The Pittsburgh Cut Flower Co. is receiving fine White Killarney Roses from its Bakerstown plant.

Some nice Snapdragon and white Sweet Peas are being received by the Pittsburgh Florists' Exchange.

E. O. Ludwig's annual shipment of decorative plants has been received, in the pink of condition, from Belgium.

Fred Burki of Gibsonia, Pa., who has been ill for five or six weeks, is reported somewhat better.

Visitors: Frank Farney, M. Rice & Co., and Mr. Goudy, of Henry A. Dreer's, Philadelphia. D. W. L.

Indianapolis

The bedding season is in full swing and an unusual amount of work is being done.

Mr. Rutz of Peru was a recent visitor.

A. Weigand & Son report an extra good season for window boxes.

Charles Vollrath, foreman for the Roepke-Rieman Co., is in a serious condition, due to a complication of diseases.

Bertermann Bros. Co. have a most appropriate window for the dedication of the Shriners' Temple, which is said to be the finest temple in the West. A large sized camel crossing the hot sands forms the nucleus for the same.

Tomlinson Hall Market is doing the business of the town right now, and is striving to make Indianapolis most beautiful with a fine lot of bedding material.

John Rieman, and J. S. Stewart of Anderson, visited Bertermann's and the smith & Young Co.'s establishments at Cumberland this week.

Crown Hill Cemetery florists have about all they can do already for Decoration Day, and no doubt orders will have to be refused before May 30.

The city park board has a large force at work now and there is provided an excellent lot of stock for the parks. I. B.

Detroit

The outlook for Decoration Day is splendid, in fact something to be dreaded, because many and severe frosts which we have experienced in the last few days have played havoc with all outdoor stock. There is Lilac, but nothing nice and clean; every tassel has a number of flowers burned, necessitating a careful picking over before putting them on the counter. Deutzia has been ruined and other flowers are not in as yet.

Thursday, May 19, John Breitmeyer's Sons are turning their store over to society. All the tables will be well filled with cut flowers and between 1 and 5 p.m society ladies will sell them, using the proceeds towards building a hospital for consumptives.

While bringing a load of plants to Woodmere Thos. McGowan's wagon was struck by a street car, and at last reports he is very low at the hospital.

John Klang is in Mt. Clemens, using the baths there to relieve him of a severe attack of rheumatism.

Local florists turned out in full force for Monday night's meeting to listen to the explanations of the Doylair system of heating, which seems to be a complete solution of the, so far, very vexing problem of "perfect combustion." M. Bloy and Chas. Plumb had previously investigated this new device in Chicago, and became thoroughly enthused. They have seen by their own investigations that not a particle of smoke emanates from the chimney, in fact, the chimney of the largest boilers now in operation with this device consists of a plain 6-in. stove pipe. Soot, smoke and cinders are completely eliminated and ashes are only 50 per cent. of the amount produced by the old system. Every boiler has a magazine and coal is piled on the grate according to size, sometimes 1200 lbs. at one time. Steam is kept up perfectly for ten hours without paying any attention to the fire. FRANK DANZER.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee May 17, 1910	Pittsburgh May 16 1910	NAMES AND VARIETIES	Boston May 17, 1910	Detroit May 17, 1910	Cincinnati May 16, 1910
to 35.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	20.00 to 30.00	25.00 to 30.00	to 25.00
20.00 to 25.00	12.50 to 15.00	" extra	10.00 to 20.00	20.00 to 25.00	to
12.50 to 18.00	6.00 to 10.00	" No. 1	8.00 to 15.00	15.00 to 20.00	to
4.00 to 8.00	3.00 to 4.00	" No. 2	2.00 to 6.00	4.00 to 10.00	to 2.00
to	3.00 to 12.00	Killarney	2.00 to 8.00	to	2.00 to 6.00
to	3.00 to 12.00	White Killarney	2.00 to 8.00	to	2.00 to 6.00
to	3.00 to 12.00	My Maryland	1.00 to 8.00	4.00 to 10.00	4.00 to 6.00
4.00 to 8.00	4.00 to 10.00	Richmond	4.00 to 8.00	4.00 to 10.00	4.00 to 6.00
4.00 to 6.00	2.00 to 6.00	Perle	to	to	to
to	to	Golden Gate	to	to	to
4.00 to 8.00	2.00 to 8.00	K. A. Victoria	6.00 to 10.00	4.00 to 10.00	to
to 8.00	to 10.00	Bride, Maid, fancy—special	5.00 to 8.00	8.00 to 10.00	to 6.00
to 6.00	to 8.00	" extra	3.00 to 5.00	6.00 to 8.00	to
to 4.00	4.00 to 6.00	" No. 1	to	4.00 to 6.00	to
to 2.00	to 2.00	" No. 2	to	to	to 3.00
to 1.00	1.00 to 1.50	Adiantum	1.00 to 1.50	1.00 to 1.50	to
to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	30.00 to 50.00	30.00 to 50.00	to 10.00
to 30.00	20.00 to 30.00	" Sprengeri, bunches	30.00 to 50.00	30.00 to 50.00	to
to	to	Smilax	to	to	to
to 12.50	6.00 to 10.00	Callas	to	12.50 to 15.00	4.00 to 8.00
to	1.00 to 1.50	Carnations—Inferior grades, all colors	to	to	to
to 2.00	to 3.00	Standard Varieties: White	2.00 to 3.00	3.00 to 4.00	to 3.00
to 2.00	to 2.00	Standard Varieties: Pink	2.00 to 3.00	3.00 to 4.00	to 2.00
to 2.00	to 2.00	Standard Varieties: Red	2.00 to 3.00	4.00 to 5.00	to 2.00
to 2.00	to 2.00	Standard Varieties: Yellow and var.	to	to	to 3.00
3.00 to 4.00	to 3.00	*Fancy (*The highest grades of Staid vars.): White	2.00 to 3.00	4.00 to 5.00	to
3.00 to 4.00	to 3.00	*Fancy: Pink	*2.00 to 3.00	4.00 to 5.00	to
3.00 to 4.00	to 3.00	*Fancy: Red	2.00 to 3.00	5.00 to 6.00	to
3.00 to 4.00	to 3.00	*Fancy: Yellow and var.	to	1.00 to 1.50	to
to .50	to 2.00	Daisies	to	to	to .50
to .25	to .20	Ferns, hardy	to	to .20	to
to .20	to .12	Galax, green and bronze	to	to .12	to
to	to	Gardenias, per doz.	to	to	to
to	4.00 to 8.00	Gladiolus	2.00 to 3.00	3.00 to 4.00	to
to 12.50	to 10.00	Lilies, Harrisii and Longi	to	12.50 to 15.00	to
to 3.00	2.00 to 4.00	Lily of the Valley	1.00 to 2.00	3.00 to 4.00	to
to	1.50 to 3.00	Mignonette	to	4.00 to 8.00	to
to	50.00 to 75.00	Orchids—Cattleyas	30.00 to 50.00	to	to
to	to	Cypripediums	to	to	to
to	.50 to 1.00	Pansies, per doz. bunches	to	1.00 to 1.50	to
to	to	Peonies	to	4.00 to 10.00	to
to 1.50	to 2.00	Smilax, (per doz. stringe)	to	to 1.50	to
to .50	.35 to 1.00	Sweet Peas	.25 to 1.50	.50 to 1.00	.35 to .75
to	to	Tulips	to	3.00 to 4.00	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

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All Cut Flowers in Season

I Sell Heller Bros. Roses

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Get your order in now for

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The Best—The Strongest—The Cheapest

Green Sheet Moss, $1.00 per Bundle

Sphagnum Moss, $1.00 per Bale

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GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE

2-8 Duane Street, New York

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

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The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

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HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee St., MILWAUKEE, WIS.

'Phone, Main 874. P. O. Box 108.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Philadelphia

The following visitors were in town recently: Philip Einsmann, Astoria, N. Y.; H. P. Campbell, Shamokin, Pa.; Mrs. Fenstermacher, Mahanoy City, Pa.; J. S. Ashbridge, Downing, Pa.

I. Rosnosky, traveling salesman for Henry F. Michell Co., will take in the Orchid show at Boston the last of this month. Mrs. Rosnosky and son sailed on the Graf Waldersee, Wednesday, May 18, for a three months' visit in Germany. Mrs. Rosnosky is a talented musician, having studied instrumental music in Berlin, and vocal music in Italy. During their stay they will see the Passion play at Oberammergau.

Robert Craig, Co. is sending out great numbers of Crotons, Pandanus Veitchii and Ferns. Nephrolepis elegantissima compacta in the smaller sizes is meeting with a specially large sale. This company later will bring out a new Geranium, a seedling obtained from Edwin Lonsdale, Chestnut Hill, Pa. It is a semi-double, a very vivid scarlet, with petals slightly frilled, a very free bloomer, and it may be named Edwin Lonsdale. Robert Craig, Sr., will visit the Orchid show at Boston the last of this month. The date of the show, May 26 to 30, coming just before Memorial Day, will prevent many from attending on account of the pressure of their own business just at this time.

The S. S. Pennock-Meehan Co. is handling some very nice pink Snapdragon, Gladiolus America, and Peonies.

J. J. Habermehl's Sons, the Bellevue-Stratford florists, have been installing some very attractive rustic window boxes at the Hotel Walton, the St. James Hotel, and the Bellevue-Stratford. Dracæna, Pandanus, Crotons, Palms, Ficus, Ferns, Vinca variegata, and English Ivy have been lavishly used, giving very pleasing results. One innovation in this work is noted. All of the boxes on the side of the Bellevue-Stratford are filled with Ligustrum aureum, Golden Privet.

H. H. Battles is displaying some fine specimens of Blue Spruce, and Juniperus Chinensis argentea; also a variety of Japanese Maples, from his nurseries at Newtown Square, Pa. Some large specimens of the white Queen Alexandra Daisy are noted here, well covered with large semi-double blooms. The regular routine work here is now keeping all hands very busy.

Pennock Bros. are displaying some beautiful varieties of Lupinus, and the pink variety of the Queen Alexandra Daisy.

W. E. McKissick & Bros. are receiving some nice Peonies, and Kaiserin Roses.

Very little work on the bowling alleys has so far been done by the members of the Florists' Club.

A large, handsome harp, made to the order of Admiral Melville of the U. S. Navy, for the King Edward memorial services at St. Mark's Episcopal Church, was designed and made by M. C. Dunn of 618 Chestnut st.

Boston

The News About Town

The weather has been cool and cheerless; this is fortunate for some growers whose crops for Memorial Day were rather far advanced. The market is improving and things are looking bright for a good Memorial Day business. There is very little surplus and prices are a little on the up grade.

Carnations are all cleaned up this week; they are selling better than they have been for the past two years at this time. There is quite a demand for white Carnations, but as growers have not been handling these in quantity, there has been a shortage right through the Spring. Another reason for the shortage is that many are growing White Perfection and, although it is a good Carnation, it does not produce as many flowers as Queen and other free flowering varieties.

Carnation Day, which had its origin in Lynn, Wakefield and Everett, gave a helping hand to get rid of all Carnations this week. The flowers are bought

For Decoration Day

ROSES We will have a large supply of roses at $6.00 per 100. Can furnish you a grade of stock that you will consider big value.

PEONIES
Largest supply we ever had.
All the best varieties.
You will be well pleased with them.

MISCELLANEOUS STOCK
We are offering quite a selection in that line. Seasonable stock, desirable and inexpensive

NEW CROP HARDY FERNS
Good fresh Stock. Special price in case lots

THE LEO NIESSEN CO.,
Wholesale Florists
1209 Arch Street
PHILADELPHIA
Open from 7 A.M. to 8 P.M.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore May 16, 1910	Buffalo May 16, 1910	NAMES AND VARIETIES	Phil'delphia May 16, 1910	St. Louis May 16, 1910	
25.00 to 30.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	15.00 to 20.00	15.00 to 20.00	
15.00 to 20.00	15.00 to 20.00	" extra	10.00 to 15.00	8.00 to 12.50	
10.00 to 12.50	8.00 to 10.00	" No. 1	8.00 to 10.00	6.00 to 8.00	
6.00 to 8.00	2.00 to 4.00	" No. 2	3.00 to 6.00	2.00 to 4.00	
4.00 to 5.00	3.00 to 10.00	Killarney	2.00 to 8.00	3.00 to 6.00	
4.00 to 8.00	3.00 to 10.00	White Killarney	2.00 to 8.00	3.00 to 6.00	
4.00 to 8.00	3.00 to 10.00	My Maryland	3.00 to 10.00	to	
4.00 to 8.00	3.00 to 10.00	Richmond	3.00 to 12.00	to	
3.00 to 8.00	to	Perle	2.00 to 6.00	to	
3.00 to 8.00	to	Golden Gate	2.00 to 8.00	to	
3.00 to 8.00	to	K. A. Victoria	2.00 to 10.00	to	
to 8.00	to 8.00	Bride, 'Maid, fancy—special	8.00 to 10.00	3.00 to 5.00	
to 7.00	6.00 to 8.00	" extra	6.00 to 8.00	3.00 to 4.00	
5.00 to 6.00	4.00 to 6.00	" No. 1	4.00 to 5.00	2.00 to 3.00	
3.00 to 4.00	2.00 to 4.00	" No. 2	2.00 to 3.00	to	
to 1.00	1.25 to 1.50	Adiantum	1.00 to 1.50	to	
25.00 to 60.00	to	Asparagus, Plumosus, bunches	35.00 to 50.00	to	
25.00 to 50.00	to	" Sprengeri, bunches	35.00 to 50.00	to	
to	to	Bouvardia	to	to	
6.00 to 10.00	8.00 to 12.00	Callas	6.00 to 12.00	8.00 to 10.00	
1.00 to 1.50	1.50 to 2.50	Carnations—inferior grades, all colors	1.00 to 1.50	to	
2.00 to 2.50	1.50 to 2.50	Standard Varieties: White	1.50 to 2.00	2.50 to 3.00	
2.00 to 2.50	1.50 to 2.50	Standard Varieties: Pink	1.50 to 2.00	2.00 to 2.50	
2.00 to 2.50	1.50 to 2.50	Standard Varieties: Red	1.50 to 2.00	2.00 to 2.50	
2.00 to 2.50	1.50 to 2.50	Standard Varieties: Yellow and var.	1.50 to 2.00	to	
to 3.00	to 3.00	*Fancy (*The highest grades of std'd vars.): White	2.00 to 4.00	2.00 to 3.00	
to 3.00	to 3.00	*Fancy: Pink	2.00 to 4.00	2.00 to 2.50	
to 3.00	to 3.00	*Fancy: Red	2.00 to 4.00	2.00 to 2.50	
to	1.00 to 2.00	*Fancy: Yellow and var.	2.00 to 4.00	to	
to .10	to .25	Daisies	1.00 to 1.50	to	
to .12	to .15	Ferns, hardy	.20 to .30	to	
to	1.80 to 3.00	Galax, green and bronze	to .10	to	
4.00 to 6.00	to	Gardenias, per doz.	.60 to 2.50	to	
10.00 to 12.50	10.00 to 12.50	Gladiolus	4.00 to 12.00	to	
3.00 to 4.00	3.00 to 4.00	Lilies, Harrisii and Longi	6.00 to 10.00	8.00 to 10.00	
2.00 to 3.00	1.00 to 3.00	Lily of the Valley	2.00 to 3.00	3.00 to 4.00	
to	to	Mignonette	1.00 to 3.00	to	
to	to	Orchids—Cattleyas	40.00 to 50.00	to	
to	to	Cypripediums	to	to	
to .50	.20 to .50	Pansies, per doz. bunches	.25 to .40	to	
4.00 to 6.00	to	Peonies	8.00 to 10.00	to	
to 2.00	to 1.50	Smilax, (per doz. strings)	1.50 to 2.00	to	
.50 to .75	.50 to 1.00	Sweet Peas	.50 to .75	to	
to	1.00 to 3.00	Tulips	1.00 to 2.00	to	
to	to		to	to	
to	to		to	to	

WE ARE NOW BOOKING ORDERS FOR

BEGONIA LORRAINE
BEGONIA LORRAINE LONSDALE
BEGONIA AGATHA

JUNE DELIVERY

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be **twice shifted.** Orders filled in rotation. 2½-in. pots, $15.00 per 100, $140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

FAVORABLE weather conditions this season mean for the Peony what the greenhouse man would say "grown cool," giving it better substance better quality and better size.

For Memorial Day we will have Pæonies in any color and any quantity—in fact, the best stock we ever offered, and mostly the newer varieties too—very few of the old common ones.

Festiva Maxima and Novelties of that type.

First quality bloom .....$8.00 to $10.00 per 100
Medium quality ..... 5.00 to 6.00 " "

RIBBONS

Some of the choicest novelties, exclusive patterns, an endless variety to choose from.

Supplies of all kinds. *Catalogue on request*

A price list of all cut flowers is issued every Saturday. If you are not on the list let us have your name.

S. S. Pennock-Meehan Co.
The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St. 1212 New York Ave.
Philadelphia, Pa. Washington, D. C.
Stores close at 6 p. m.

Headquarters in Western New York
For Roses, Carnations,
And all kinds of Seasonable Flowers

WM. F. KASTING CO.
Wholesale Commission Florists
Dealers in Florists' Supplies and Wire designs
383-87 Ellicott St., BUFFALO, N.Y.
Give us a trial—We can please you

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EDWARD REID
Wholesale Florist
Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.
Our usual quality (the best)
1526 Ranstead St., Philadelphia, Pa.
Please mention the Exchange when writing.

and given to children to sell and the profits are handed over to the hospitals of these towns and cities. Lynn bought 30,000, Everett 15,000, Wakefield 5000, and they were all disposed of at good profit. This is a grand good object and we hope other cities will do likewise. A Rose Day at this time would help to clean up the surplus of this flower in good shape.

The demand for Roses is not quite up to the standard, although the quality was never better at this season. American Beauty are of fine quality and in fair demand, but the favorite Rose throughout last Winter and this Spring is Pink Killarney, and immense quantities have been disposed of. Kaiserin and Carnot are especially fine at this time; they are being cut from cool houses and have extra long stems and large handsome flowers; we never saw better foliage on any Roses at any time. Bride and Bridesmaid are of fine quality but retailers are not as fond of them as of some of the other kinds. A leading wholesaler told me that he thought Bride and Bridesmaid should not be altogether discarded as they had their uses; and he is of the opinion that there is still a market for them. Killarney has hurt these two latter severely.

Other good paying crops which have been exceedingly short all Winter and Spring and of poor quality are Asparagus and Adiantum. These crops are exceedingly easy to grow, are always in good demand, and it is too bad putting such poor material on the market. The crops have been cut so close all Winter that the goods put on the market are too soft and not mature enough. Asparagus Sprengeri and Adiantum have been especially short. These crops are not fussy; they will grow in an old house and in fact better there than in some of the immense modern houses.

J. W. Pettigrew, supt. of the Boston parks, with Mrs. Pettigrew, is spending a few days in Princeton, Mass. Mr. Pettigrew has been very busy this Spring, completed many additional improvements in the way of planting. It is rumored that the park system is to have a zoological garden and a herbaceous garden. We certainly approve of the herbaceous garden, but object to the Parkman money being spent on animals. Mr. Parkman admired plants greatly and left his millions for the good of the parks.

Three new flowers we noted in the market this week were Bouvardia Humboldtii, Gerbera Jamesoni and double white Feverfew.

What the Growers are Doing

Robert McGorum is shipping to Welch Bros. some extra well-grown Roses; his Killarney, Bride and Bridesmaid are of extra quality with long stems and clean, healthy foliage.

The crops of Fred R. Mathison of Clematis Brook, Waltham, are doing well and are especially fine at this time. In the early part of the season they did not do just quite as well as expected, but he now is cutting and shipping stock that will compare well with any coming to market.

Mann Bros. of Randolph are cutting

Long Distance Phone, Central 8004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

Please mention the Exchange when writing.

HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

51 Wabash Ave.

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Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

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Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

Please mention the Exchange when writing.

ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO.,

FLORISTS ST. PAUL, MINN.

Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, May 17, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty		
36-inch stems..per doz.	3.00 to	4.00
30-inch stems.. "	.... to	3.00
24-inch stems.. "	2.60 to	3.00
20-inch stems.. "	.... to	2.00
18-inch stems.. "	.... to	1.50
12-inch stems.. "	.... to	1.00
8-in. stems and shorts "	.... to	.75
Killarney	4.00 to	6.00
" extra	.... to	8.00
White Killarney	.... to	8.00
Richmond	5.00 to	8.00
My Maryland	5.00 to	8.00
Bride, Maid, fancy special	5.00 to	7.00
" extra	5.00 to	6.00
" No. 1	.... to	3.00
" No. 2	.... to	2.00
Perle	5.00 to	5.00
Chatenay	4.00 to	6.00
Kaiserin	5.00 to	7.00
Uncle John	.... to	6.00
Mrs. Marshall Field	.... to	6.00
Adiantum	.... to	1.00
Asparagus, bunch	.35 to	.75
" Sprengeri	.35 to	.75
Calla Lily	12.60 to	15.00
Chrysanthemums, doz.	.... to	....
" fancy doz.	.... to	....
Daisies	.75 to	1.00
	.... to	....

CARNATIONS		
Standard Varieties: White	2.00 to	2.50
Standard Varieties: Pink	2.00 to	2.50
Standard Varieties: Red	2.00 to	2.50
Standard Varieties: Yel. and Var.	.... to	....
*Fancy: White	2.50 to	3.00
*Fancy: Pink	2.50 to	3.00
*Fancy: Red	2.50 to	3.00
*Fancy: Yel. and Var.	.... to	....
* The highest grades of Sta'd varieties		
Ferns, hardy, per 1000	.... to	3.00
Galax (green)	.. to	1.00
" (bronze)	.... to	1.00
Gardenias	20.00 to	30.00
Iris	2.00 to	3.00
Lilies, Harrisii and Longi.	12.00 to	15.00
Lily of the Valley	2.00 to	4.00
Mignonette	2.00 to	4.00
Narcissus—Paper White	.... to	....
Orchids—Cattleyas	50.00 to	60.00
" Cypripediums	15.00 to	20.00
Pansies	.... to	.75
Peonies	4.00 to	8.00
Smilax	12.00 to	15.00
Sweet Peas	.75 to	2.00
Tulips	.... to	3.00
Violets, single	.... to	....
" double	.... to	....
	.... to	....
	.... to	....
	.... to	....
	.... to	....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

some fine Lilium auratum and find a ready sale for them. This glorious Lily should be grown much more than it is; its flowers are the most showy of all Lilies and its fragrance is most pleasing.

Sweet Peas are selling well. A. A. Pembroke of Beverly and R. D. Kimball of Waban, are cutting and shipping good material with fine long stems.

Frank White of Waltham is on the sick list with rheumatism and has not been out for a week. He has a fine lot of Dracænas and a good supply of well-grown Geraniums for Memorial Day sales.

W. E. Turner of Woburn has had good success with Pansies and is shipping large quantities of very fine quality to 1 Park st.

John J. Fee of Jamaica Plain grew a large quantity of bulbs last Winter and this Spring and found a ready market for them. He is now clearing up the last of them.

Frank Dolansky of Lynn has some fine Sweet Peas and has a large house which he is just beginning to cut from. He had a luxuriant crop of Peas all Winter and found them a profitable crop. He had some of the finest long-stemmed Lilies that came to the market at Easter.

E. A. Stickel, salesman for Eber Holmes, at 1 Park st. Market, had a pleasing order on Saturday, May 14. In one order he shipped 7000 high-grade Roses, which put him on Easy Street for the rest of that day.

Willow Hill Greenhouses, West Roxbury, are cutting some fine Bouvardia Humboldtii. This is the first we have seen of this flower for the season and it is a good, pleasing thing. Thomas Peglar is handling the stock, and it finds a ready sale.

Edward Bingham of Dedham has bought 1½ acres of adjoining land, which is of good productive quality, and proposes to build later on.

Eber Holmes of Montrose Greenhouses has a superior crop of Roses and will have a good cut for his Memorial Day customers. He is cutting high-grade Killarney and his Kaiserin are superb. He has a red sport from Killarney which is very promising and of a fine pleasing color. He is increasing it as fast as possible as there will be good demand for this when it is put on the market.

R. Caplin, retail florist, Mass ave., was married May 9 to Miss Rose Pearlstein. Their friends in the trade extend their congratulations.

W. J. Cain of Newtonville has had very good success with Marguerites and maintained a good crop right through the Winter. He is still shipping good stock which finds a ready market.

George Buxton of Nashua, N. H., is shipping this week the first double Feverfew we have seen this year. It is of good quality and is a seasonable flower for Memorial Day work.

Great sales are being made this week, outside the Quincy Market, of bedding plants. Here several well-known growers have stands and dispose of large quantities. We inspected their goods and most of it is of especially good quality. Fred Becker of Cambridge had as good Geraniums as we have seen anywhere this year. Arthur Coolidge of Cambridge also sells here and his various bedding plants are good. All claim an extra good demand for their stock and good prices are obtained.

W. Stickell of Lexington is busy on his new greenhouse; it is 100'x40'; he anticipates building another next year of about the same dimensions.

Daniel Illife is very busy and has abundant work on hand for all Summer. At present he is fixing the heating and ventilating of Charles Holbrow's two new greenhouses at Brighton, being erected by the King Construction Co. The houses are to be 250'x60'.

Edgar Bros. of Waverley are going to build a new house to be erected by the Lord & Burnham Co. It is to be 200'x35'.

At William H. Elliott's greenhouses at Brighton they have a very large stock of grafted Roses of all kinds which are in fine condition. They are busy shipping to all parts of the country now as the planting season is at hand. These grafted plants take much more care in packing and handling and only experts can do this work properly. Mr. Harbison superintends it all and whatever he does is done well. He has had many years of experience at the same task.

John McKenzie of North Cambridge is doing an excellent business and will be all sold out of plants before Memorial Day. On Monday of this week he supplied a landscape gardener of Boston with 1000 Geraniums. He supplies outlying towns in the vicinity of Boston at the rate of 2000 plants a week. He anticipates a very good memorial Day business.

The work on Leonard Cousins, Jr.'s (Concord Junc., Mass.) new greenhouse is well under way. It is of truss frame type, designed by the King Construction Co., and will house some 18,000 Carnation plants. Pansies and Geraniums, Salvia and other bedding stock are having the call here now and the help is busy filling orders. Some shipments have been sent as far away as Wisconsin, Utah, Dakota and Virginia.

Wholesalers Busy and Cheerful

Welch Bros. report an increased business during the Winter; their Spring business has been very satisfactory, showing a good increase over one and two years ago. They have added many new customers among growers and retailers, and have retained all their old patrons, which is very gratifying to them. They say there has been a lively demand this Spring for Box and Bay trees in different shapes. They received a very large shipment of these which were disposed of in a few days. While we visited them they were unpacking some extra good bulbous material for this time of year; it came from Newport. The Roses they carry are of very high grade, Carnations also. They were never in better condition, with supplies of all kinds, to do a big Memorial Day business.

Henry M. Robinson Co. report a greatly increased business; this firm thoroughly believes in letting retailers and others know about the class of goods they carry; this they do through regular advertising in the trade papers. The principals attend strictly to business, looking after every detail themselves, and use their every effort to give the best service and satisfaction to their numerous customers. By paying attention to these details they have built up a strong, healthy business. They have a good supply of Dagger and fancy Ferns, and all other goods for Memorial Day, and with their increased accommodation at 15 Chapman place, which gives them three large floor spaces, they can handle their business quickly and give prompt service and satisfaction to patrons.

Boston Flower Market Baseball Team

The Boston Flower Market at 1 Park st. has a baseball team of crack players. They solicit and challenge amateur teams, florists preferred. They are going to play the Landscape Gardeners of Brookline, May 21. The team is made up of the following men, who all have a reputation as fine players: Frank Solari, pitcher; Mattie Ruane, catcher; Frank Edgar, 2d base; Walter Aylward, 3d base; D. B. Busky, s.s.; Wm. Patterson, r.f.; Wm. MacAlpine, c.f.; B. Benson, l.f.

Chicago

Business the past week was exceedingly quiet locally, although shipping trade was brisk, and stock moved off nicely through this channel. No one reports a surplus, in fact, the Peonies have arrived just in time to prevent a report of shortage of stock. It is remarkable what a small variety of flowers are coming in. This is a condition that has not been experienced in the market's existence, and the usual glut of outdoor flowers has not materialized. These conditions have, however, been to the grower's advantage, as for years prices for indoor stock have not been so high.

While the decorations at the memorial services for King Edward held at the Auditorium on Sunday were not very extensive, they were very effective and appropriate. Beneath a Union Jack and an American flag was festooned Smilax. The stage and pulpit were similarly decorated; while down each side of the aisles were placed rows of Palms.

At Winterson's Seed Store it is reported that the trade in Cannas, Geraniums and bedding plants, of which they have a varied selection, is opening up well, and a very big season for this kind of stock is anticipated on account of the late frosts and storms demolishing so much of the shrubbery.

The J. B. Deamud Co. is showing some fine flowers of double white Narcissus (Gardenia flowered). This house has been making a specialty of this beautiful and fragrant flower for four years past and expects to have a big quantity on hand for Decoration Day.

Frank Benthey, with Kyle & Foerster, says that stock is not any too plentiful in any line, and he feels that the Peonies have arrived just in time to obviate an inconvenient shortage.

Wietor Brothers have lost no time in planting their new houses with American Beauty Rose stock, the work being all completed. Their stock of Chrysanthemum plants is moving off rapidly.

At Peter Reinberg's Tim Matchen says that there is no difficulty in getting rid of their stock rapidly. At the greenhouse they are still busy repairing houses and replanting stock.

A. L. Randall Co. reports that the sales of Evergreen Brand of Fertilizer increase every day, most florists coming in for a large quantity after having used a sample.

J. Stewart, of Barnard's Fifth ave. store, says "busy" is no name for con-

Sheep's Head Brand Pulverized Sheep Manure

The Ideal Plant Food For Florists.

Write today for Prices and Booklet.

NATURAL GUANO COMPANY, Aurora, Ill.

ditions, since the warm weather has asserted itself people are beginning to replant all small stock that was destroyed by the frosts.

J. A. Budlong has already planted 150,000 Carnation plants in the field. No new varieties from last season will be grown.

Poehlmann Brothers Co. state that while some of the wholesalers are putting Peonies in cold storage as yet they have not received more than their demand necessitates.

Many among the trade were startled Monday morning to read the announcement of the death of John Degnan. A visit to Winterson's Seed Store, however, discredited the fact regarding our John Degnan, as he was found to be at his post hustling as usual.

Emil Buettner of Park Ridge is adding to his establishment four new houses, 125 by 27 ft., and is rebuilding one of the others. These houses, when completed, he will devote to the growing of pink and white Killarney Roses.

Strail & Hahn were disappointed regarding the opening of their new store last week, owing to the decorators not being able to finish the interior of the shop. They did not start business until Wednesday of this week.

D. D. Johnson is receiving numerous testimonials from various florists and growers, as to the merit of his fertilizer.

J. Raske, who was the lucky florist in decorating the first prize auto in the natural flower class at the recent auto parade, had the large silver cup that was awarded to D. J. Joyce, the winner, on exhibition in his windows on Saturday, displayed amid an elaborate decoration of American Beauty Roses, with photos of the machine in several different poses. It is needless to say that a crowd was to be found there all day.

Similar experiences of a serious nature are reported by two of our flower pot manufacturers. Five weeks ago, H. T. Klipfel scratched his finger; the wound was so slight he paid no attention to it at the time, but a few days later blood poisoning developed, and Mr. Klipfel was removed to a hospital, where for some time his condition was serious. G. Kellar, of Kellar Brothers, injured the tips of two of his fingers at about the same time, with the injury resulting much the same. Both men, however, are now recovering, after losing several weeks at a very busy time.

Wm. Desmond of Minneapolis, Minn., left on Monday morning for his home, after a most enjoyable visit of a week in Chicago. Mr. Desmond's visit was enjoyed by many of our florists.

Visitors: W. Van Fleek, Jr., Boskoop, Holland; W. F. Duntermann, Bensonville, Ill.; A. Loudenberg, Valparaiso, Ind.

A. Lange has again been a victim of lumbago, which kept him home three days last week.

C. A. Samuelson has had a large order of Peonies put in storage to use for the decoration of two large weddings he has booked for the latter part of June.

Mr. Rayburn, salesman for Vaughan's Seed Store, returned Monday from a seven months' trip, and reports business excellent. This house is beginning to be extra busy in the bedding plant line.

O. P. Bassett and wife left Chicago on Wednesday for Detroit, where they will spend several days. Thence they will go to New York and will sail on May 26, on the Prince Frederick Wilhelm, for Europe.

Visitors: H. A. Fischer, Kalmazoo, Mich.; C. A. Brazee, Los Angeles, Calif.; Ed. Amerpohl, Janesville, Wis.

Some Reparation

The Saturday Evening Post says: "Uncle Sam is a fine old business man who despoils the forests three hundred and sixty-four parts of the year and then plants a tree on Arbor Day."

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is pure plant food, immediately available. It permanently enriches the soil. It prevents the onslaughts of plant disease, or insects and pests. Can be used at any time during the growing season, dry or in solution.

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St. Louis

Fred J. Foster, head of the Foster Floral Co., reports he has leased his old stand in the New La Salle Bldg. at Olive st. and Broadway; the new place will be known as the Paris Floral Co. The old stand in the Century Bldg., at 9th and Olive sts., will be continued. The new stand will be opened at once and will have easy sailing as the payment of rent does not begin until September first.

Martin Renkauf, traveler for H. Bayersdorfer & Co., Philadelphia, spent part of last week with the trade selling supplies for Memorial Day trade.

The Lady Florists' Home Circle decided to hold their next meeting at Chautauqua, near Alton, Ill., June 13, spending a night away from home; the meeting will be held in the Meinhardt cottage. All the members are expected to attend.

Ostertag Bros. report that they have been very busy of late with decorations. They have a big job for next week for the Electric Show in the big Coliseum. They are expected a shipment of 150 Bay trees this week to be used for this decoration. Fred Ostertag is again with the firm as head decorator and maker-up. Louis Swartzkopf is no longer connected with the firm.

Frank A. Weber of the firm of H. J. Weber & Sons Co., reports that he will take quite a delegation from here to Denver next month to attend the annual meeting of the American Association of Nurserymen. Mr. Weber is chairman of the Entertainment Committee and says there will be something doing every minute according to the program laid out by his committee. He also expects to land the next meeting for St. Louis.

From reports, there are now 35 new greenhouses in the course of erection in Kirkwood. Among those who are building are W. J. Pilcher, Vennemann Bros., Oakland Floral Co. and Gus Gross. Nothing but Carnations, Violets and Sweet Peas are being grown there, but it is said that some of the new glass will be devoted to Roses which, no doubt, will be a success.

The Florists' Club held a regular meeting on Thursday afternoon, May 12. The meeting was very poorly attended, as are all the Spring meetings, as most of the members are busy with planting, and as the day was fine and warm they took advantage of it. Still some fifteen store men and a few suburban members attended and transacted the business calling for immediate attention. The trustees were instructed to arrange for the annual outing of the Club for July and make a full report at the next meeting. All the officers were on hand with President Windler presiding. The next meeting of the Club will be on June 9; it will be the anniversary meeting, as the club will be just 23 years old. A smoker and other good things will be arranged by the club trustees. ST. PATRICK.

The St. Louis Horticultural Society on May 13 passed resolutions of condolence on the death of Mrs. W. J. Vesey of Fort Wayne, Ind.

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A Way to Destroy Insect Pests

At the convention of the Federation of Women's Clubs recently held in Cincinnati, Mrs. F. W. Gerard of Connecticut, chairman of the committee on forestry, appealed to the women to refuse to be decorated with dead songbirds. "If women can raise freight rates by the size of their hats they can reduce insect pests by changing the trimming of their hats," she said.

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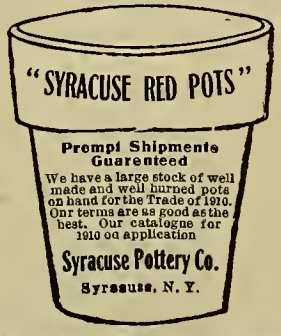

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800 3½ " "	6.80	48 10 " "	4.80
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456 4½ " "	5.24	24 12 " "	4.60
320 5 " "	4.51	12 14 " "	4.80
210 5½ " "	4.78	8 15 " "	4.60
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CULTURAL DIRECTIONS

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

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The

Week's Work

BY

FRITZ BAHR

Chrysanthemums

Lose no Time in Getting the Early Ones Planted.

Take advantage of any bench room that may present itself in the next few weeks for the planting out of the early Chrysanthemums. You can't get them in too early. Such short jointed varieties as Polly Rose and Ivory are greatly benefited by early benching. They need every day from now until they set buds to make a good long stem, and there is no other way of getting it than by timely planting. If you are short on stock don't delay the ordering. There is plenty advertised, but do not overlook the fact that the early varieties usually go first, and before long the best stock of these will be cleaned out. Get them, and have your supply on hand when ready for planting. How about the benches which are to be used for the 'Mums? Now is the time to make repairs, if any are necessary. Don't overlook a proper cleaning of every corner, to be followed by a coat of whitewash. A layer of fresh stable manure will afford the very best of drainage. Four inches of good soil on top of the manure is all that is necessary for the present; you can top dress at any time and thereby benefit the plants far more than by filling the bench heaping full now, in order to save labor. While it is natural for us to try to get as many plants into a bench as possible, some make a serious mistake by planting too closely. Not only do we thereby encourage a spindly growth, which is bad, but yellow leaves and leaf spot are often due to crowded conditions. You can't grow a perfect single stem Chrysanthemum by giving the plant 6 inches of space—they need more, a space 8x8 ins. is better, and 8x10 still better if you are after quality.

Gloxinias

Too Much Shade as Bad for Them as None At All

If you started some of the bulbs, or rather tubers, a couple of months ago, the plants should be coming along nicely now. Their foliage, to me, always seems beautiful, even without flowers, and it is the leaves you want to look out for—without them, no matter how fine the flowers, your plants are worthless. A Gloxinia, if exposed to too much shade may develop great leaves, but blind buds may be the result. On the other hand, too much sun, especially if the foliage should be wet from careless watering, will scorch the leaves, so, in order to be successful, strike a happy medium in regard to shading the plants. Gloxinias are not like Cyclamens which, by hardening them off, can stand a great deal of sunlight and are even benefited by it. Gloxinias are delicately constituted and only by most careful attention can you expect good results. But they are well worthy of everything one can do for them, and, after all, it isn't so much. It doesn't require one of our latest pattern houses—one of sash will fill the bill nicely. Use a good, light soil, leaf mould, sharp sand, a little fine manure, plenty of drainage in the pots, and sufficient room between the plants. Forget the hose and use the watering can. Keep the leaves dry. From now on, a temperature not going below 55° is all right; and, as regards shading, thin cheese cloth under the glass will provide it until we find a better way.

Boston Ferns

A Good Investment for Every Retail Grower

As we see the first bench of Geraniums leave the greenhouse we immediately think about what is to come next—what is to be used for taking their place. "There is no rest," as Hubbard says, "rest means rust." Among the desirable plants to follow a crop the Boston Fern still leads. Few other plants grow so quickly into money for the retail florist. By the time the frost spoils the first Geranium bed your customer will look up the Fern dish, and the empty jardiniere must be filled with something green for the Winter months, and the Bostons are in demand again, as much, if not more, than ever. If you grow a good bench, whether planted out or in pots, good stock next October will bring good prices. You can't lose on it. What your own trade doesn't consume you can wholesale at fair prices. Don't grow more than you have room for, but make every effort to produce good plants. There is any amount of poor stock on the market at all times, but never sufficient really good. 2½-in. pot plants will, if planted out now or in the next month, grow into fine stock by next October. Bench culture is easier than growing them in pots. Use six inches of good loam soil, not too heavily manured. Allow the plants not less than 14 inches of space. A Boston Fern is only beautiful when you have a well shaped plant with drooping fronds, and you can only get such a one by allowing plenty of space between the plants. Shading? Yes, they need a little; not a heavy thick paste all over the glass, but just enough to give a little shade. No Fern is supposed to grow out in the full sunlight when under glass.

Smilax

Get Ready If Stock is Wanted for Next Winter's Use

No one like the outoftown florist knows how to appreciate a good bench or bed of Smilax, to have it on hand during the Winter months to cut from. To have it when in need of it means a great deal sometimes. There are some of us who keep on trying our luck with the newest Carnations, Roses or 'Mums, ever anxious to get an improvement over what we have, and we overlook growing the little things we are in need of every day. We buy our supply of Smilax, for instance, for when we are in need of a hundred strings at a time we may not have enough; or it is cheaper to buy them from the specialist than to grow them ourselves, and so it is with other items and yet it is these very things that the retail grower ought to grow. A small batch of Pansies, Forget-Me-Nots, Sweet Alyssum, Smilax, Stevia, etc., is of as much value if not more to him than a bench of Roses or Carnations. Grow as many Carnations and Roses as your place will permit, but don't overlook the other things on account of them. A bench of Smilax can be made to produce four crops in a year. Doesn't that pay? Now is a good time to plant the young stock for next Winter's use. If to be grown without benches use 6 to 7 inches of good Rose soil, or soil of a heavy nature. Don't use too much manure; for the preesnt the little plants are not in need of it. When they are once established and going ahead, well rotted manure worked into the surface of the bed will do them more good, and this holds good with bench culture. Don't overlook providing plenty of head room for the strings, and don't wait too long before supplying the strings themselves.

Adiantum

As Much in Demand as Ever as a Florists' Green

In answer to an inquiry regarding bench culture of Maidenhair Fern, I would suggest using a house where during the Winter months no trouble will be experienced in keeping a temperature of 60°. Five inches of good fibrous soil are needed. Provide good drainage; Adiantums are like Boston Ferns, they love great quantities of fresh water but detest sour soil, and never will you cut the best fronds from plants in such soil. Fresh manure should never be used with any Ferns. A well rotted cow manure is the thing; have it as fine as the soil you make use of. Strong 2½" pot plants planted out now, about 12 ins. apart each way, will give good fronds next Winter. Be careful not to over water the young stock, but rather cultivate freely, keeping the surface of the soil clear of weeds and moss. A good heavy shade is required from now on, until October, after which the heaviest should be removed, for light dur-

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ing the Winter months is necessary to give a good green color and substance to the fronds. A bench of Adiantum, if properly taken care of, will last for several years; and while divisions of the old clumps will do for replanting, young stock grown from seed is preferable in every way. Snails do more harm to the young fronds than any other greenhouse pest, and of the various ways of catching them Potatoes cut in half and hollowed out form the best traps.

Fire Heat

Keep a Small Fire Going Over Night for the Bedding Stock.

Raw, cold northeast winds practically every day for the past two weeks have prevented the planting out of bedding stock of any kind. The temperature goes down near the freezing point every night. This, with the dampness in the houses containing bedding stock demands the keeping up of the fires. A dry atmosphere in a 50° or 45° house doesn't hurt a Coleus or Petunia, that is, if the plants are fairly well established, but with a daily watering everything below the benches is soaking wet and the stock will suffer if firing is not kept up. Some may claim, a few days before the plants go out, that fire heat indoors is not necessary, as the stock is benefited by hardening it a little. If this is the object a proper way to do is to keep the fires up, but open the ventilators; in this way one can keep the temperature of a house at almost any desired point and overcome the dampness at the same time. We all know what effect a few nights of a cold, damp atmosphere will have on a Rose house, and a Geranium in full bloom will suffer in like manner. A condition of that kind will give the Coleus a dose of mealy bug, and cause the decaying of the leaves of plants in a crowded condition, as is often the case with bedding stock when we are short of room. Keep your firing up, even if the sun during the daytime makes things real hot under the glass. Don't shut down your ventilators on that account too early. No! Let them remain open a few inches all night, for no matter how early you close your houses up at night this will never help to retain a desired temperature without fire heat. Even without heat I should prefer a little air on top in a Geranium house rather than a stuffy air over night. It is poor economy to save coal now and is as bad as not starting the fires early enough in Fall. Because it is May or September should never be a reason for not firing—but it is with some of us.

Salvias

Timely Hints on Their Culture as Pot Plants.

Because the Salvias are going out from now on is no reason for letting them get infested with insects. Green fly will disfigure the leaves of Salvias quite as much as a Cineraria. It cripples the growth of the plants and thereby makes them unfit for sale. A light fumigating or spraying will keep them clean, so don't overlook this part of the week's work. Hardly another plant will show the effects of being potbound more than the Salvias. If you crowd them in a small pot there is trouble. Even the application of liquid manure does not seem to overcome this nearly as well as a shift into larger pots. Wherever a stiff loam is obtainable, let the Salvias have it. I know they grow in light, yes, almost any kind of soil, but they do best and can remain longer in a small pot when a stiff loam and a liberal amount of rotted manure is used for potting. They are great feeders, besides loving root room. Another thing not to do is to place them in a hot, dry house. They want a rather moist and cool atmosphere to produce a short, stocky growth and dark green foliage. Whenever you see a long, spindly, yellow looking plant you can depend on it that a starved condition and dry atmosphere was the cause. Red spider, the greatest enemy the Salvias have, is only possible under such conditions, and there is no reason for it. If you have small seedlings, or rooted cuttings, new, don't bother putting them into 2½'s, 3½'s are not too large. In three to four weeks in that size pot you can have a salable plant. They grow as fast as a Coleus at this time of the year—only don't neglect them; if once stunted you may as well dump them out as try to get them in shape again.

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Providence, R. I.

Robert Greenlaw, representing the firm of N. F. McCarthy & Co., Boston, was in town Saturday, calling on the trade. He reports business good.

E. R. Seymour, Warren, R. I., was in Providence on Friday, delivering flowers and purchasing supplies.

E. E. King, Attleboro, Mass., was in town this week purchasing supplies. He reports business good, and that he is busy moving his bedding stock, of which he has a liberal supply. His stock is in fine condition, both in cut flowers and plants.

D. E. Newell, Attleboro, Mass., reports business about the same as usual with a tendency of cut flowers to be short for Decoration Day.

W. S. Pino is receiving some very nice new Ferns, and has a fine supply green and bronze Galax always on hand. He is very busy with seed and plant trade.

Mr. Crosby of the firm Franklin & Crosby, Danielson, Ct., was in Providence recently purchasing supplies for Decoration Day.

J. Koppleman & Co., Washington st., wholesale florists, report business good.

W. S. Nichols, Hampden Meadows, R. I., says all flowers with him have a tendency toward a short crop, especially Enchantress Carnations.

Wm. Crompton, East Greenwich, Ct., was in town this week.

Eugene McCarron is still busy with his landscape work.

John Macrea is bringing some very nice potted Roses into town. His other stock will be fine for Decoration Day.

N. D. Pierce, Norwood, R. I., manager of the Home Nurseries, has had a very busy Spring in nursery stock.

Johnston Bros., Dorrance st., report the supply of cut flowers as fair and business good.

The Florists' Club meets on Monday night. C. S. Ford, representing Hermann & Co., New York, is in town. Wm. Jergens of Newport was also a recent visitor.

Wm. Hoffman, Pawtucket, reports he has about 100,000 bedding plants ready for market. He also has four orders for planting this week, each order going above three figures.

Geo. Johnson & Son are busy filling vases and boxes. They have 100 of each to fill this week.

J. B. Canney reports funeral work keeps him busy. His stock is looking fine.

T. O'Connor has some very fine Hydrangeas and Geraniums. Mr. O'Connor celebrated his 73d birthday last Tuesday. He always gets to his office at 7 o'clock a.m., thus beating some of the young men.

John F. Wood reports a large wedding decoration last week at Woonsocket for the marriage of Mr. Ellis' daughter. Mr. Wood is doing a nice business.

A. J. Olsen, East Providence, reports that during the past year his retail department has increased and he is kept busy with plenty of funeral work. Carnations are a specialty with him, also Asters, which are grown in large quantities.

Geo. F. Williams and E. B. Williams were appointed administrators of their father's estate.

At the meeting of stockholders of the W. E. Barrett Co., last Monday, Geo. F. Williams was elected to fill the office of treasurer, on the vacancy caused by the death of his father. W. A. Fisk is president and Leon J. Williams secretary.

The Market

Roses: $1 to $10 per 100; Kaiserin, $3 to $10; Am. Beauty, $5 to $30. Carnations, $1.50 to $3; Sweet Peas, 50c. to $1; Marguerites, $1 to $2; Callas, $1.00 per doz.; Adiantum, $1 per 100; hardy and fancy Ferns, $1.75 to $2 per 1000; green and bronze Galax, $1 per 1000; Asparagus, 25c. to 50c. bunch; Lily of the Valley, $2 to $4 per 100; Peonies, $5 to $8; Antirrhinums, $3 to $5; Gladioli, $3 to $5. H. C. N.

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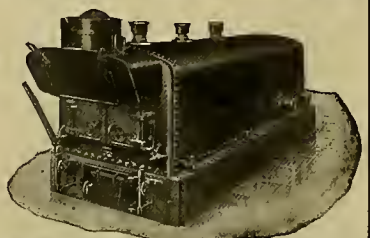

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CHEAPER AND MORE DESIRABLE THAN WOOD.
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PATENTED SYSTEM ALLOWS ANY AMOUNT DRAINAGE DESIRED.
WILSON-HOYT CO.
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NEW YORK

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San Francisco

The Market

There is little change to report in market conditions this week. Business, on the whole, is good and steady and satisfactory returns have been the rule. Carnations continue to be a prominent feature, with little change in prices. It would be much better if Carnation growers in this section would get together and try to regulate the quantity of blooms they should bring into the market at this time of the year. In the writer's opinion, at least half of the Carnations brought into the market at the present time would be far better on the dump pile, and a limited quantity brought in regularly would keep up prices and be better for all concerned. Roses of all descriptions are plentiful. Outside Roses are being brought into the market in quantity and meet with a ready demand. American Beauty is becoming plentiful and of better quality than for some time back. The Gladiolus is a prominent flower in all the stores at present and varieties such as The Bride, Blushing Bride, and Peach Blossom sell out rapidly. Spanish Iris is overabundant and flowers are now being peddled on the street at five cents per bunch. Orchids continue plentiful, and prices remain the same. Some very fine blooms of Cattleya gigas were seen in the stores this week, which shows that Mossiæ are now on the wane and the time is at hand when Orchids will be hard to get at any price. Valley is none too plentiful, in fact choice flowers of any description will be hard to get in a week or so. There is quite a demand all round for Palms and Ferns of all sizes, although large Kentias are decidedly scarce. It would pay growers to go in more for this class of stuff.

Various Notes

David Basset, head gardener to H. E. Botkin, Marin County, was, until six months ago, private decorator to the new King of England, when he was Prince of Wales. Mr. Basset held this responsible position for over five years, with great credit to himself, and he has numerous presents from King George and the Queen to show that his work was appreciated by them.

The Rose carnival at San José, lasting for four days, is in full swing at present. San José is known as the "Garden City" and is well worthy of the name.

Frank Mills, the University florist at Palo Alto, has a grand lot of Sweet Peas in flower at present, which have been bringing him good returns.

Charles Abrahams reports a heavy demand for bedding plants of all descriptions this year. He claims that city people are only now beginning to take an interest in flowers and he looks for an increasing demand for simple flowers in the future.

A huge Vanda Sanderiana with fourteen large growths is one of the MacRorie-McLaren Co.'s latest arrivals from the Philippines.

The Art Floral Co. has been turning out some fine design work from their store this past week.

An especially fine show of Roses is to be seen at the Slade Estate at Fair Oaks at present.

The Lynch nursery at Menlo has been sold to Frank Roach of that place. Mr. Roach will endeavor to bring the nursery to the same high standard attained by the late M. Lynch during the latter years of his life.

Everything points to Callas being very scarce this year. Stock in the South has the disease badly, and most of it will have to be destroyed. In San Francisco and vicinity Callas were never better, and local growers should get fancy prices for their stock.

E. James of Elmhurst was a recent visitor in town. Mr. James is noted for the excellent Ferns which he brings into the San Francisco market. Lorraine Begonias will be largely grown by him this year. He also reports having a fine lot of young Cyclamen plants on the move at present.

Vanda teres is to be seen in grand shape at Fair Oaks these days. A large lot of Cattleya gigas is also looking fine and showing a large crop of flowers. This variety seems to do better here than anywhere I have ever seen it. A fine Cattleya Mossiæ with over sixty blooms was also in flower during my visit.

Twelve carloads of semi-tropical trees and shrubs arrived from the South this week for one of the MacRorie-McLaren contracts in Marin County.

WM. McM. B.

The Sievers Floral Co., doing business on Geary st., failed late in April and will be unable to resume business.

C. P.

Washington, D.C.

As "scapegoat" the comet is blamed for the unseasonably low temperatures which prevail, making fires a necessity.

On May 5 light frosts appeared in exposed places, and again on the morning of May 13. This condition is retarding all outside vegetation and flowers, and likewise cut short the output of the greenhouses where fires had been suspended. Present indications point to the fact that the flowers for Memorial Day will have to come in chiefly from the inside. Peonies became rather abundant during the past week but, owing to the cold, those from nearby points are yet scarce; the crop, however, promises to be up to the average later.

Pond Lilies, which manage to open slowly during the middle of the day, remain in that condition over night by reason of the cold, but the uncertainty of the buds coming open, if they once close, is retarding local sales.

John Robertson, one of Washington's most popular retailers, and president of the local club, has moved from 1510 H st. N. W., to 2010 P st. N. W., where he has a very nice store and is centered among his old patrons in a locality without competition. He is to be congratulated upon securing such a good locality, and it is the wish of his many friends that well deserved success may attend his efforts.

JAS. L. CARBERY.

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Horticultural and Heating Engineer
Payne "T"-Bar Greenhouses
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PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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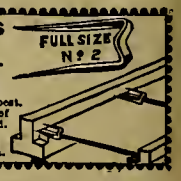
714 Chestnut St., Phila., Pa.



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THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

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U-BAR GREENHOUSES

PIERSON U-BAR CO.

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The Heating of Greenhouses

by a practical heating man, with years of experience, should appeal to you; and he should be the proper man to install this important part of your plant.

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That our staff of Heating Engineers is reliable and competent
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ESTABLISHED NEARLY 50 YEARS

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Louisville, Ky.

The principal factor in the florists' business at present is the demand for plants, although this was interfered with to some extent by cold weather a few weeks ago, which resulted in killing a good many plants which had already been set out. For that reason the demand has fallen off somewhat, but will be heavier, it is believed, as soon as the weather becomes definitely settled. Sweet Peas have been very popular this Spring. Baskets and window boxes have been selling well. Peonies have been moving in large quantities. The plant trade has been so heavy, taking the season as a whole, that it is quite within the range of possibilities that there will be a shortage of bedding stock, provided weather conditions from now on remain favorable. Cape Jessamine blossoms will soon be on the market, some shipments from the South having already been started, and these will be a feature as soon as offered.

Mrs. E. W. Reimers reports that there has been a good deal of complaint of late on account of the cut worm, which has damaged a good many plants.

Henry Fuchs is in the middle of the planting season, and is selling a great many baskets and window boxes, the demand for the latter being especially strong on account of the increasing number of apartment houses.

Nanz & Neuner provided the floral wreath for Donau, the winner of the Kentucky Derby, which was run May 10. This firm has been the recipient of an annual Derby order for a long while. The wreath was made of American Beauty Roses, and its presentation is considered one of the features of the event. The Derby was held under good weather conditions, and there was a spirit of holiday in the air. Many dinner parties were held at the leading hotels and restaurants following the races, and florists sold flowers for this purpose in profusion, many Orchids being ordered. The firm's plant trade has been exceptionally heavy.

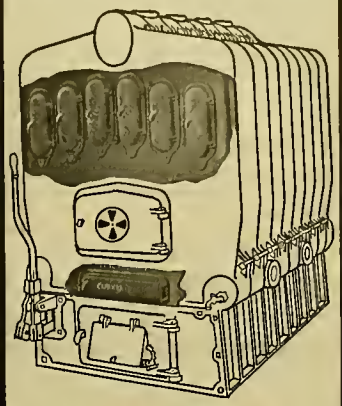
The family of H. G. Walker, the local florist, narrowly escaped with their lives as the result of a fire of incendiary origin which happened recently. Mr. Walker awoke at 3.50 o'clock in the morning and discovered the fire. He alarmed the members of the family, who succeeded in escaping, and the flames were put out by Kingsley Walker, Mr. Walker's son, before the department arrived, by means of a garden hose. An oil-soaked blanket found on the premises led to the belief being formed that an incendiary started the blaze. The matter was reported to the State Fire Marshal.

Officers of the Woman's Outdoor Art League, which is doing much work in which the florists of the city are interested, have been chosen. Mrs. John B. Castleman, who has been at the head of the work for some time, was elected president again. The League is composed of leading women of the city.

G. D. C.

MEXICO CITY, MEX.—The Battle of Flowers, looked forward to by flower dealers here for many weeks, has been postponed indefinitely, out of respect to the memory of the late King Edward of England. The loss to the dealers will be heavy.

The Burnham



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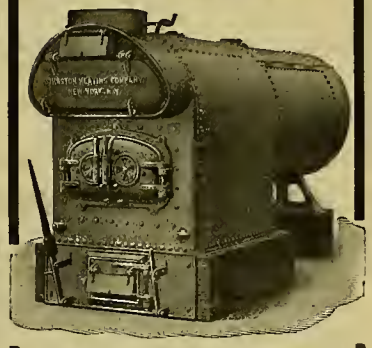

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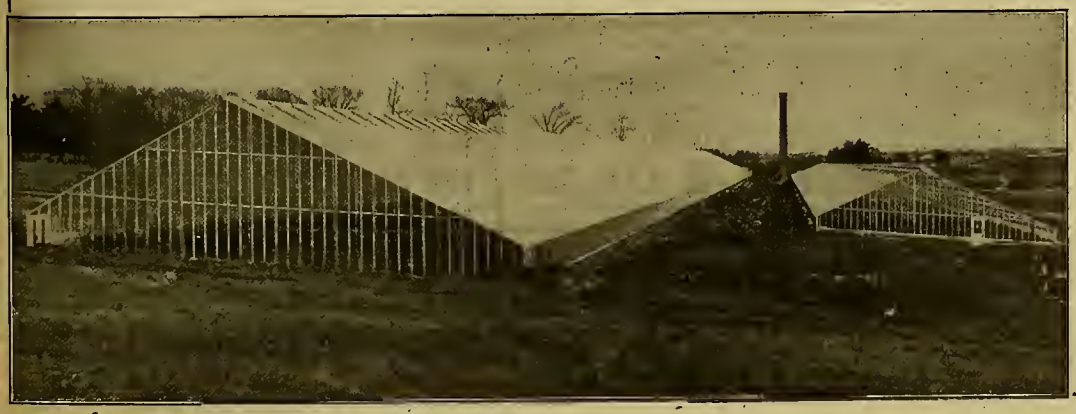
We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



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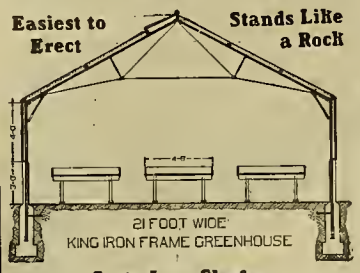
"The Best Houses we have and we erected them ourselves without any trouble."—*From one of the well known growers in Jersey.*

Easiest to Erect

Stands Like a Rock



Casts Less Shadow

"Ask the Man Who Has One"

John Young Co., New York City, 54 by 561.
Scott & Son, Sharon Hill, 5 houses, 25 by 166.
John N. May, Summit, N. J., Whole Range, 5 houses, 28 by 225.
E. W. Fengar, Irvington, N. J., 3 houses, 28 by 150.
G. F. Neipp, Chatham, N. J., 42 by 300.
C. E. Meehan, Holland, Pa., 50 by 300.
Florex Gardens, North Wales, 172 by 700.
John W. Young, Germantown, Pa., 2 houses, 35 by 300.

WHY NOT YOU?

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HERE IS WHAT THE MAN WHO HAS ONE SAYS

Here is a letter written by Mr. Alfred Holm, Corsicana, Texas, that will interest you, copy of which was forwarded to us by courtesy.

"The Lord & Burnham Semi-Iron Greenhouse Structure which I purchased in 1908 is one of the best, if not the best, in Texas. Has many new features, being very light in material, which prevents shadows, at the same time very strong and durable.

Splendid glass which has stood pretty good size hails without breaking.

Splendid cypress material, good ventilating apparatus, simple and strong, in short, everything A No. 1.

The Burnham Sectional Boilers are undoubtedly the best on the market in both heating and economy. Too much cannot be said towards recommending them. By all means buy a Burnham Sectional Heater."

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WE make a Ventilator Lifter that is the most powerful device of its kind on the market—a machine that will lift more sash and do it better than any other apparatus we know about. At the same time our Lifter is low priced and you can install it in your house for little money—If you are thinking of putting in a new sash lifter let us send you the details of our device. Our machine has been used for fifteen years and given good results. Every part is galvanized and this can be said of no other lifting device. You will get something that will last and stand by you. Don't forget that the price is low.

Send for our Catalogs:
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PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.

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HAVE you figured out how much COAL and TIME you use for your pumping during the summer months, and compared this with the expense of a few cents worth of gas or gasoline used by THE STANDARD PUMPING ENGINE for doing BETTER WORK IN LESS TIME?

Our catalogue will get you to thinking about it. Sent on request.

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Memorial Day is almost here—You should order Memorial Designs now. Our supply is unsurpassed in quality and quantity.

METALLIC DESIGNS in every style suitable for Memorial Day Celebrations. Every Design we send out is true to nature in foliage and flower. All designs are ornamented with roses, carnations, forget-me-nots and other flowers as desired. Special designs on hand and made to your order, which include Pillows, Anchors, Wreaths, Crosses, Gates Ajar, etc. IMPORTED MAGNOLIA LEAVES, Green and Brown, for all occasions; CYCAS WREATHS and SHEAVES; FANCY IMPORTED WREATHS, etc.

FANCY BASKETS OF ALL KINDS FOR JUNE WEDDINGS and COMMENCEMENTS. Fancy Lace Bouquet Papers for weddings and all other occasions. Chiffon in all the Flower Shades. Immortelles and Cape Flowers in all Colors.

ALL OTHER SUPPLIES IN ABUNDANCE. Send for our new Catalogue.

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GREENHOUSE GLASS

ALL SIZES

16x24 A. & B. Double a Specialty

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THE BOSTON ORCHID SHOW | A HOME JUNE WEDDING DECORATION

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A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 22 | NEW YORK AND CHICAGO, MAY 28, 1910 | One Dollar Per Year

Nephrolepis Bostoniensis

(BOSTON FERN)

Large plants, 10-in. at $3.00 and $4.00 each; 12-in. at $5.00 and $6.00 each; and larger specimens, $7.50 to $10.00 each—according to size.

BEDDING STOCK

	Doz.	100
CANNAS. Finest sorts, strong plants. 3½-in. pots, **Beaute de Poitevine, Buttercup, Souv. d'Antoine Crozy, Pierson's Premier** and **Florence Vaughan**	$1.00	$6.00
Tarrytown, best crimson, and **King Humbert**, best dark-leaved sort	2.00	12.00
ALTERNANTHERA BRILLIANTISSIMA	.50	3.00
ALYSSUM. Sweet, 2¼-in. pots	.50	3.00
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CASTOR OIL BEANS. 3-in. pots	1.00	6.00
COLEUS. **Golden Bedder** and **Verschaffeltii**, 2¼-in. pots	.50	3.00
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LEMON VERBENAS. 4-in. pots	1.50	10.00
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EGG PLANT. **New York Improved.** 2¼-in.	.60	4.00

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Tarrytown-on-Hudson **NEW YORK**

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GARDENIAS

2¼-inch pots, $7.00 per 100; 3-inch pots, $12.00 per 100; 4-inch pots, $20.00 per 100.

CANNAS

Gladiator. Green foliage, yellow flower, spotted with red.
Wyoming. Bronze foliage, red flower.
Louisiana. Green foliage, red flower.
Assorted Cannas. Good standard varieties.
The above in 4-inch pots, $1.00 per dozen, $8.00 per 100.

Asparagus Plumosus Seedlings

$1.00 per 100, $10.00 per 1000.

Asparagus Sprengeri Seedlings

50 cents per 100, $5.00 per 1000.

SMILAX

2¼-inch pots, $2.50 per 100, $20.00 per 1000.

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KAISERIN AUGUSTA VICTORIA

We have a large stock of fine plants as large as ordinary 4-inch plants at $40.00 per 1000. Order at once, as they will soon be gone.

Also have **Bon Silene, Safrano** and **Rhea Reid,** $35.00 per 1000.

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We are now prepared to offer an exceptionally fine stock of **FANCY LEAVED GERANIUMS** from 3-in. pots, of **L'Elegantea, Silver-Leaved S. A. Nutt, Duke of Edinburgh, Sophie Dumaresque, Mrs. Pollock, Mme. Languth,** and **Mountain of Snow,** at $1.00 per doz., $5.00 per 100.

GERANIUMS, Ivy-Leaved, in 6 good sorts at $2.00 per 100, $18.50 per 1000; 3-in., $3.00 per 100, $25.00 per 1000.

GERANIUMS, Standard Varieties, $2.00 per 100, $18.50 per 1000; 3-in., not in bloom, $3.00 per 100, $25.00 per 1000, in good assortment.

CANNAS. We have 200,000 fine strong plants in 3-in. pots, in the following kinds: **Jean Tissot, Pres. Myers, Pennsylvania, Buttercup, Louisiana, Egandale, Florence Vaughan** and **Alph. Bouvier,** at 75c. per doz., $3.00 per 100, $25.00 per 1000; not less than 25 of a kind at hundred rate.

	2-in. Per 100	1000	3-in. 100
HELIOTROPE, in variety	$2.00	$18.50	$3.00
AGERATUM, Blue and White	2.00	18.50	3.00
CENTAUREA, Gymnocarpa	2.00	18.50	3.00
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APPLE GERANIUMS	2.00	18.50	4.00
ALTERNANTHERAS, Red and Yellow	2.00	18.50	3.00
COLEUS, Golden Bedder and Verschaffeltii	2.00	18.50	3.00
FUCHSIAS, six varieties	2.00	18.50	3.00
LEMON VERBENA	2.00	18.50	3.00
PETUNIAS, Double Mixed Colors	2.00	18.50	3.00
PETUNIAS, Dreer's Single Superb	2.00	18.50	3.00
VERBENAS, Red, White, Pink and Purple	2.00	18.50	3.00
SWAINSONA, alba	2.00	18.50	3.00
SALVIA, Bonfire and Zurich	2.00	17.50	

DAHLIA PLANTS, from 2-in. at $2.00 per 100 up; for $18.50 cash, we will send 1000, 50 each of 20 distinct varieties including Show, Decorative and Cactus.

MADEIRA VINE ROOTS, $1.00 per peck, **$3.00** per bushel.

Cash with Order. Visitors Always Welcome.

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6-9 feet..... $7.00 per 1000.

RUBBER HOSE

4 ply.....$9 00 per 100 feet.

SHEEP MANURE

$1.50 per bag.

RUSTIC HANGING BASKETS

	Each	Per doz.
10 inch bowl	$1.10	$11.00
12 inch bowl	1.25	13.00
14 inch bowl	1 50	16.00

WM. ELLIOTT & SONS
42 Vesey Street, NEW YORK

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June is the Best Time to Sow Cinerarias

RAWSON'S BEAUTY CINERARIAS

BOTH TALL AND DWARF, EVERY PLANT A PRIZE WINNER.
Trade Package $1.00

W. W. RAWSON & CO., Seedsmen
5 UNION STREET, BOSTON, MASS.

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'Sparagus Seeds, Etc.

FOR IMMEDIATE DELIVERY

ASPARAGUS

ASPARAGUS plumosus nanus. True greenhouse-grown. 60c. per 100 seeds, $1.20 for 250 seeds, $4.00 per 1000 seeds.

plumosus nanus, California-grown. 50c. per 100 seeds, 75c. for 250 seeds, $2.00 per 1000 seeds.

Sprengeri, 25c. for 250 seeds, 75c. per 1000 seeds, $3.00 for 5000 seeds.

DRACAENA australis. Broad foliage. $1.00 per 1000 seeds, 15c. per 100 seeds.

Indivisa. Long slender leaves. ¼ lb. $1.00, pkt. 10c., oz. 30c.

PALM SEEDS

	Per 100	1000	10,000
Kentia Belmoreana	$0.50	$4.00	$37.50
Cocos Weddelliana	1.00	7.50	70.00
Areca lutescens	1.00	7.50	70.00
Latania Borbonica	.30	2.50	20.00
Phoenix Canariensis	.30	3.00	27.50
Musa Ensete	1.00	7.50	

PRICES UPON LARGER QUANTITIES UPON APPLICATION

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., N. Y. City

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Hardy Lily Bulbs

We have the following Lily Bulbs, all in first class condition, just the thing for outside planting, or for forcing for August flowering.

The prices quoted are for case lots only.

		Per Case
4 cases, of 100	**Album** 11/13	$20.00
5 cases, of 150	**Album** 8/10	15 00
4 cases, of 160	**Album** 9/10	20.00
8 cases, of 150	**Album** 9/11	18.75
1 case, of 125	**Album** 9/11	15.75
6 cases, of 100	**Melpomene** 11/13	11.00
2 cases, of 30	**Magnificum** 16/18	15.00
6 cases, of 160	**Rubrum** 9/10	12.50
8 cases, of 150	**Rubrum** 9/11	12.00
4 cases, of 80	**Rubrum** 11/13	10.00
2 cases, of 60	**Rubrum** 13/15	12.00
1 case, of 120	**Rubrum** 9/11	9.50
7 cases, of 125	**Roseum** 9/11	10.00
4 cases, of 100	**Roseum** 11/13	14.00

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For Chrysanthemums, Tender Young Plants and Trees

	Per 1000	Per Bundle
6 feet, 2000 to the bundle	$6 00	$11 00
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English Prize Mixed, unsurpassed for brilliancy of colors and size of flowers. 500 seeds, 60c.; 1000 seeds, $1.00.
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Flower Seeds, Market Garden and Field Seeds, all kinds of Tender and Hardy Plants, Tuberoses, Dahlias, Gladioli, Small Fruits.
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ADVANCE ORDERS NOW TAKEN FOR CHOICE GRADES OF
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Now in full pod on Bloomsdale Farm. Special prices on application.
Plants from this Seed of hardy Northern breed very superior to the less hardy Southern type stand any amount of snow and ice without injury.
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ALL COLORS
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American Seed Trade Association

The program and other particulars in connection with the 28th Annual Convention of the American Seed Trade Association, to be held at Atlantic City, June 21 to 23, will be found in another column. See index. At this meeting an amendment to the by-laws, raising the dues to twenty dollars, will be offered.

DES MOINES, IA.—The fourth annual meeting of the Iowa Seed Dealers' Association will be held at the Chamberlain Hotel here, on Thursday, June 9.
CHAS. N. PAGE, President.

IMPORTS, ETC.—May 18.—J. M. Thorburn & Co., 6 cases Mushroom spawn; R. J. Godwin Sons, 81 bags garden seeds. May 21 and 22.—Van Dyke & Lindsay, 34 crates Orchids; F. B. Vandegrift & Co., 7 cases live Orchid plants; J. Roehrs Co., 2 cases Orchids, 1 case plant stands.

European Notes

Whitsuntide is eagerly looked forward to by the members of the European seed trade as a welcome respite after the arduous labors of the busy season; and this year we feel the need of the rest very badly, for never before in the memory of the oldest inhabitant have our labors been so exacting and, in the main, unprofitable.

The concluding remark of the foregoing paragraph may appear to be at variance with fact when the high prices which figure in the seedsmen's catalogs are taken into consideration, but when the expense side of the balance sheet is taken into consideration it will be found that appearances are, in this case, deceptive.

Our rejoicings will, for this and other weighty reasons, be of a somewhat subdued nature this year, for at the present moment France is storm swept from the English Channel to the Mediterranean Sea, so that the outdoor pleasures beloved by the Frenchmen are not possible; England is clouded over with a great national sorrow; and Germany and Holland have hardly recovered from the losses occasioned by that fatal October frost.

It is popularly believed that much of our trouble is due to the influence of the tail of Halley's Comet through which we

Do you invest in Lily Bulbs, or do you speculate? In buying Lily Bulbs at random you are merely speculating, and speculation has never been known to pay in the long run. The success of your business may be ruined by speculation. You must have good Lilies or you had better have none. They must be good every season and not just once. If you want to make a conservative investment in Lily Bulbs for Easter, 1911, buy Horseshoe Brand Lilium Giganteum—the best the market can afford.

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We Would Announce the Opening of Our New Store
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Vaughan's Lilium Harrisii

CAREFUL SELECTION OF BOTH PLANTS and BULBS.

OUR grower, writing under date of April 12, says crop of "Harrisii" is looking exceptionally well this year, the season having been favorable to the development of good healthy plants, and they expect to harvest an average crop of fine bulbs. Remember, while we do not claim that our "Harrisii" are absolutely free from disease, or that every bulb will produce a perfect plant, we do claim that our grower's efforts in the way of spraying and rogueing are producing results, our stock now being freer from disease than ever before and of genuine "Harrisii" type. In fact, the best general crop grown on the Island of Bermuda.

Vaughan's Seed Store,

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CANNAS Extra strong, from 4-in. pots, **$1.00** per doz., **$8.00** per 100. Satisfaction guaranteed. Fine assortment.

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CANNAS—SAGE—PERIWINKLE

CANNAS, out of 3-in. pots, nice plants of Bouvier, Vaughan, Crozy, Italia, Queen Charlotte, and many others, at 4c.; King Humbert, 8c.; all true to name.

SAGE, 3-in., 3c.; 4-in., 6c.

PERIWINKLE, 4-in., 8c.; 2½-in. 3c.

Also BEDDING PLANTS in good variety.

CHARLES ZIMMER, West Collingswood, N. J.

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Canna Plants

750 Charles Henderson } 35 plants in a flat.
750 Alphonse Bouvier } $1.50 per flat.

These Cannas were grown in the flats.

VINCAS

400 Vincas, 3½ inch pots, $8.00 per 100.

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10,000 Allemania, strong, dry roots, $1.25 per 100, $10.00 per 1000.

Mixed Cannas, all colors, strong, dry roots, $1.00 per 100, $8.00 per 1000.

Canna Plants, strong, well started plants, all the best varieties, from $1.50 per 100 up, according to variety and quantity. Send us a list of your wants, and we will quote you on same.

Frank Cummings Bulb & Plant Co.

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A large stock of Sweet Potato Plants now ready, YELLOW NANSEMOND, BIG STEM JERSEY, and EARLY GOLDEN, 1000, $1.25; 10,000, $10.00.

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Cabbage Plants

All-Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ball-Head, at 20 cents per 100, $1.00 per 1000; 10,000 and over at 85 cents per 1000.

Egg Plants

Black Beauty and New York Improved, 40 cents per 100, $2.00 per 1000.

Pepper Plants

Bull Nose, Ruby King, and Sweet Mountain, 40 cents per 100, $2.00 per 1000.

Cash with order.

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are now reported to be passing. If this be true we shall be delighted to part company with our heavenly visitant at the earliest possible moment, for anything more unwelcome than the conditions at present existing it is impossible to imagine. Sharp frosts at night and a cold nipping wind all day, with occasional hail storms of unusual severity to fill up the gaps, are proving most destructive to everything that hath life—except the vermin. Already stem rot has set in among the best looking of our Cabbages, and as much of the Beet has been planted on low lying lands where a renewal of the floods is imminent the outlook is not conducive to gay and festive relaxation.

The lamented death of the King of England, apart from its immediate effect upon the business of that country, and Europe in general, removes an intelligent patron and warm-hearted supporter from the world of horticulture.

Few rulers have more agreeably disappointed the ghoulish croakers than "Edward the Peacemaker" and "Theodore the Strenuous." It is fitting that the country which owes the best of its glorious liberties to its early associations with Britain, should be represented at the bier of Britain's famous King by his equally famous and friendly rival.

EUROPEAN SEEDS.

American Notes

Good Business Continues

The week just ending has seen very good business for the seedsmen, every line of the trade continuing particularly active for the end of May. Retail counter sales of seeds proper have been, as a rule, materially larger than usual at this season, and especially has this been true of flower seeds. While it may be only fair to attribute many of these extra sales to the late killing frosts and excessive wet weather that some sections of the country have experienced, still there is no question as to the fact of the yearly and most rapidly increasing May and June demand at retail for seeds, and all other needed supplies from the makers of small gardens in the suburbs of our larger cities. There is no customer so good as the city dweller who becomes "the commuter." He is enthusiastic about planting things, studies the seed catalogs, and buys intelligently. This special branch of the seedsmen's retail business is destined to assume tremendous proportions in the future, and no attention is too great to bestow upon it.

The wholesale seedsmen are still receiving many filling-in orders, and report the outlook very encouraging as regards the Summer season's demand for Beet, Mangel-Wurzel, Turnip, Fodder Corn, and other seasonable seeds. As regards nursery stock, the sales are very nearly over, with the seedsmen; but it is well worthy of note that never before in the history of the business has such a large proportion of the total amounts handled passed through the hands of the seedsmen. Vegetable and bedding plants are still in good demand, and, as regards the latter, Memorial Day sales seem likely to be far ahead of those of a year ago. Altogether, the seed trade has added still another very satisfactory week of sales to the season's total, with the prospect

J. BOLGIANO & SON

WHOLESALE SEED MERCHANTS AND POULTRY FOOD MANUFACTURERS

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Gladioli

Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck and Pactole.

LILIES, IRIS, CINNAMON VINES and other bulbs for Spring planting.

Send for prices.

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HEADQUARTERS FOR

GLADIOLI

and Other Bulbs

JOHN LEWIS CHILDS

FLORAL PARK, N. Y.

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Early Wonder Aster

Has proved by growers last season to be much earlier than Queen of the Market, very large fluffy blooms of narrow petals, showing no centre, stems long; Two Varieties, White and Shell-Pink, field plants, 100 for 50c., 1000 for $3.00. Late Branching in June, five best colors separate.

DANIEL K. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

ASTER PLANTS

Queen of the Market, Perfection, Comet, all in best Mixed Colors; Late Branching, in white, pink, lavender and crimson, all stocky plants, fine for planting out, $2.50 per 1000.

CALADIUM Esculentum, 6 to 8 in. circumference, $1.60 per 100.

CANNAS, best named kinds, $2.00 per 100.

IMPERIAL SEED & PLANT CO.

Grange, Baltimore, Md.

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FLORISTS' ASTERS

Field-grown—Separate colors

CREGO, White, Shell-Pink and Rose.
SEMPLE'S, Purple and Lavender.
QUEEN OF THE MARKET, Mixed Colors.
$2.50 per 1000 by express;
50c. per 100 by mail.

Cash with order.

A. & G. ROSBACH, Pemberton, N. J.

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ASTER PLANTS

Queen of the Market, Perfection, Ostrich Feather, all in best mixed colors; late branching, in white, pink and lavender, strong and stocky, ready to plant out, at $2.50 per 1000; 500 at 1000 rate, 6000 lots at $2.00 per 1000.

SWEET WILLIAM (Double), fine, strong, one year old plants, $1.00 per 100, $8.00 per 1000.

GUSTAV PITZONKA, Bristol, Pa.

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The American Carnation Price $3.50

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The Cineraria seed offered by us is the best procurable. Immense trusses of the largest flowers are produced. Our strains have been awarded numerous First Prizees.

	½ Trade Pkt	Trade Pkt.
Grandiflora Prize Dwarf. Mixed	$0.60	$1.00
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Hybrida Choice Mixed	.30	.50

PRIMUA CHINENSIS FRINGED CHINESE VARIETIES

We have a very choice strain of Primula, which we have procured from the leading Primula Specialiste in England and Germany. Flowers very large, beautifully fringed and of the brightest colors.

	½ Trade Pkt.	Trade Pkt.
Alba Magnificn. White. (1-32 oz. $2.50)	$0.60	$1.00
Chiswick Red. Brilliant red. (1-32 oz. $2.00)	.60	1.00
Holborn Blue. (1-32 oz. $3.00)	.60	1.00
Kermesina Splendens. Crimson (1-32 oz. $2.00)	.60	1.00
Rosy Morn. Pink. (1-32 oz. $2.00)	$0.60	$1.00
Michell's Prize Mixture. Contains only the very finest sorts, selected from the best strains. (1-16 oz. $2.00)	.60	1.00

Write for our Wholesale Catalog, it will interest you

HENRY F. MICHELL COMPANY, 10th and Market Sts., PHILADELPHIA, PA.

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500,000 PANSIES BEST MARKET STRAIN GROWN

Grown from seed of our own raising, this strain is the result of over 25 years' careful selection and for size, form and substance and wide range of color in clear, brilliant selfs and novel shades and markings, they will be found unsurpassed. The colors are very evenly assorted and the growth is very strong and stocky. Fall transplanted plants ready to bud and bloom.

Price $10.00 per 1000. Larger Sizes $15.00 and $20.00 per 1000.

EXPRESS ONLY CASH WITH ORDER

I. E. COBURN, - 291 Ferry Street, - EVERETT, MASS.

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Dahlias! Dahlias!

A superb collection of the choicest **Cactus, Decorative** and **Show Dahlias**, including the very best varieties for cutting. We have tested about every variety in commerce and have discarded all except these of special merit—the collection offered consisting of forty varieties—names of which will be given upon application. The plants we offer are strictly true to name.

$2.50 per 100, $20.00 per 1000

They are well rooted plants in 2½-in. pots, with firm balls of earth. These plants succeed better and give larger, finer flowers than can be obtained from dry tubers. Packed free for cash with order.

J. T. LOVETT, - Little Silver, N. J.

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Pansy Plants

Large plants in bloom, $1.25 per 100, $10.00 per 1000; smaller plants that will bloom soon, at $2.00 per 1000.

DAISIES (Bellis), FORGET-ME-NOT, in bloom, $1.50 per 100, $12.50 per 1000.

CINERARIAS, 4-in., bud and bloom, $5.00 per 100.

STOCKS and DUSTY MILLERS, 2½-in. pots, $2.00 per 100, 300 for $5.00.

CABBAGE PLANTS, ready for field, $1.25 per 1000, 5000 for $5.00.

J. C. SCHMIDT

BRISTOL, PA.

Please mention the Exchange when writing.

PANSIES

GIANT YELLOW PANSY PLANTS, with dark center, in full bloom, $1.25 per 100, $10.00 per 1000. Mixed Colors, all sold.

Cash with order.

PETER BROWN, 124 RUBY STREET **lancaster, Pa.**

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ROEMER'S SUPERB PRIZE PANSIES

The finest strain of Pansies in the World. Introducer and Grower of all the Leading Novelties. Highest Award, at Mannheim 1907. Catalogue free on application.

FREDRICK ROEMER

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Cultural Directions

Are leaflets written by practical men especially for the use of amateur customers.

If you have a counter trade, either in plants, seeds, flowers or bulbs, you should have a supply of these leaflets on hand to present to your customers when they seek cultural information about their purchases. (The leaflets embrace over forty subjects.)

We can supply them at $2.50 per 1000, or 500 for $1.50, and can make a reduction of those prices on large quantities.

At a small extra cost we can put your imprint on each leaflet.

Try a thousand and see what a help they are in selling goods.

A. T. DE LA MARE PTG. & PUB. CO., Ltd

P. O. Box 1697, NEW YORK

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of quite a few weeks yet of continued good business.

Squash Seed Sales

The sales of Squash seed are always very large through June, for the reason that the Squash, being a very tender annual, cannot be successfully planted until all danger from frost is past, and the ground is dry and warm; and aside from the tender nature of the plant, the seed itself is liable to rot in damp, cool weather. As with all the other vegetables, a long list of Squash varieties is found in a wholesale seedsman's list; but, as advised in this column regarding other vegetable seeds, if a few of the most popular and leading sorts are kept constantly in stock, customers will be willing to wait until the little-called-for varieties can be obtained. In Summer Squashes, two varieties will be found ample for most requirements—the White Bush Scalloped and the Early Summer Crookneck; both are favorites, the flesh of the former being white and of the latter yellow. In Fall and Winter Squashes, two sorts also should satisfy most people—the Boston Marrow and the Hubbard; there are many strains of each, but any wholesale seedsman will advise as to the particular selections most salable in certain localities. In buying a supply of Squash seed, it would be well not to over-purchase of the Summer varieties, as the seed of these being small only about half as much is required to sow an acre as of the large-seeded Winter sorts. In fact, retail customers should be informed that while one ounce of the Summer Squash seeds will plant fully forty hills, the same quantity of a Winter variety will only sow about half that number. While Squash seeds will retain their full germinating qualities for several years, it would seem conservative policy not to carry in stock too largely of the many little-called-for kinds. The four varieties above mentioned are always in demand. V.

New York Seed Trade

The uncertain weather of the past week has interrupted trade greatly. Business has run right along a large part of each day nevertheless. Orders keep coming in and retail counter sales are still good. All our seedsmen who carry full stocks of bedding plants report a very active demand for Memorial Day. Speaking of bedding plants, the end of the season will show this year the largest totals in this line ever handled by the seed trade here.

F. S. Willard of Wethersfield, Conn., was in the city this week calling upon the trade, and he feels that conditions are particularly favorable for the coming season. Good seed stocks, he thinks, will be in demand within reasonable limits, no matter what the outcome of the new seed crop may be.

Burnett Bros. report trade as still active. This week they have been handling many Bay trees, in different sizes, for which they have had unusual demand this season.

Wm. Elliott & Sons are doing more than ever this year with rustic work. Particularly is the demand strong for hanging baskets, lawn settees and bird houses.

At Boddington's there is continued activity; particularly in bulbs. This house is still making shipments of Dahlias, especially of those varieties which florists are growing extensively for forcing. New crop seed of Areca lutescens has just been received.

Vaughan's Seed Store expects an unusually large and early demand for Lilium Harrisii this season.

The Stumpp & Walter Co. has its usual full line of insecticides ready for the coming demand.

The whole trade is looking forward with much pleasure to the Memorial Day holiday which certainly has been well earned by both employer and employee.

Philadelphia Seed Trade

W. Atlee Burpee and his manager, Howard M. Earl, left the city this week on an inspection trip of their California Sweet Pea crops, the hot weather having driven the plants into bloom prematurely. They were to make but one stop this side of California, and that at Culver, Ind., where they were to examine into the merits of the Culver Cavalry and Naval Summer Schools with an idea of placing David and W. Atlee Burpee, Jr., and Jack Earl there.

Mr. and Mrs. Burpee will sail July 1 from Quebec on the Empress of Britain, which will bring them to England in

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON

ATCO, N. J.

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS

Williamstown Junction, N. J.

Please mention the Exchange when writing.

Seasonable Bedding Plants

GERANIUMS, in variety, 4-in., $6.00 per 100; 3-in., $4.00 per 100.
CHRYSANTHEMUMS, Ivory, Ballay, Black Hawk, Eaton White and Yellow, Enguehard, Lulu, and Klondike, all 2¼-in., $2.00 per 100.
SWEET WILLIAM, 3-in., $3.00 per 100.
SALVIAS, Bonfire and Zurich, 3-in., $4.00 per 100; 2¼-in., $2.00 per 100.
VERBENAS, PETUNIAS, Star, and Giants of California, 2¼-in., $2.00 per 100.
CANNAS, Austria, 3-in., $4.00 per 100.
STOCKS, 3-in., $3.00 per 100.
DRACAENAS, 6-in., 20c. each; 6-in., $40.00 per 100.
VINCA Variegata, 4-in., $8.00 per 100.
SMITH'S MOON VINES, 4-in., $8.00 per 100.
AGERATUM, Blue Perfection; DWARF PHLOX, and HARDY CHRYSANTHEMUMS, 2¼-in. pots, $2.00 per 100.

Vegetable Plants

Strong and transplanted.

CABBAGE, Wakefield, 50c. per 100, $4.00 per 1000.
TOMATOES, Dwarf Stone, Acme, Earliana, Tenderloin, and Stone, 50c. per 100.
LETTUCE, 25c. per 100.
SWEET POTATO PLANTS, $1.50 per 1000.
PEPPER PLANTS, 60c. per 100.

J. S. BLOOM

RIEGELSVILLE, PA.

Please mention the Exchange when writing.

SEASONABLE PLANTS

Asparagus Sprengeri, 3-in. pots, $5.00 per 100. Vinca Variegata, 3-in. pots, $6.00 per 100. Geraniums, white, 3½-in. pots, $6.00 per 100. Tomato Plants, from pots, $2.00 per 100. Black Beauty Egg Plants, from pots, $3.00 per 100. Cash with order.

S. G. BENJAMIN, FISHKILL, N. Y.

Please mention the Exchange when writing.

VOLUME 1 NUMBER 5

BODDINGTON'S STORE NEWS

SATURDAY, MAY 28th, 1910

PUBLISHED EVERY NOW AND AGAIN

Remember you may deduct 5% if cash accompanies order.

CUT DAHLIA FLOWERS PAY

If You Have the Following Varieties and Plant them NOW

After considerable consideration and observation, and "talks" with the trade, we decided to offer the following Dahlias to florists this season. **Price, $1.00 per 12, $8.00 per 100; Our selection, 75 cents per 12, $6.00 per 100.**

Decorative Dahlias

Auguste Nonin. Clear scarlet, a large and superb flower borne abundantly, always above the foliage. Flowers are always perfect.

Beauty of Kent. Well named, beautiful in form, color and appearance. Deep crimson-red, with distinct pure white tips; most effective and at once catches the eye; free-blooming and fairly large.

Camellia. A dwarf, bushy plant, attaining a height of 2½ feet with small, but prolific foliage and myriads of small-sized perfect flowers of a coppery orange. The shape of the flower is just like a Camellia and lasts well when cut.

Catherine Duer. Crimson-scarlet.

Clifford W. Bruton. Best yellow.

Firefly. A most striking variety on account of its color, fiery orange-scarlet, with distinct white tips.

Frank L. Bassett. Bright purple, shading to blue.

Lyndhurst. Bright scarlet.

Maid of Kent. Cherry-red, tipped white.

Nymphaea. Color clear, light shrimp-pink.

Orange King. Rich glowing orange; early and profuse.

Source de Feu. New. Deep orange, splashed and streaked with vermilion-scarlet, a dazzling color; flowers gigantic and on long stems. 4 feet.

William Agnew. Rich, dazzling red; immense size.

Giant Decorative Dahlias

Gigantea. Its name suggests the size; truly gigantic and massive in form. The individual petals are short and it requires many to form such a monstrous flower. Color a soft sulphur-yellow.

Souvenir de Gustave Doazan. The most sensational Dahlia of the season; a decorative variety of mammoth proportions, which under ordinary cultivation will produce flowers 6 inches across, and can be grown to measure full 9 inches. It is of free growth, remarkably profuse-flowering, and pure scarlet in color.

Cactus Dahlias

Countess of Lonsdale. Amber and salmon.

Earl of Pembroke. Bright plum.

Kriemhilde. One of the finest pink Cactus Dahlias.

Standard Bearer. Brightest scarlet; profuse bloomer.

Show and Fancy Dahlias

Acquisition. Rich, royal deep mauve; splendid exhibition flower.

A. D. Livoni. Beautiful soft pink; early and profuse bloomer.

SHOW AND FANCY DAHLIAS—Continued

Alice Emily. Delicate buff, center clear yellow.

Arabella. Pale primrose, tipped and shaded old rose and lavender.

Comedian. Orange ground, beautifully flaked and speckled with crimson and tipped white; of the finest form. 4 ft.

Criterion. Delicate rose; large and fine.

Gloire de Lyon. Very large, pure white.

Glowing Coal. Brilliant red.

Gold Mantle. Golden yellow, neat and good; requires thinning.

Gold Medal. Bright canary-yellow, regularly marked with fine stripes and splashes of deep red.

Grand Duke Alexis. Very large white, tinted pale lavender.

Green's White. One of the best whites for cutting.

Harlequin. Brilliant crimson, striped and tipped white.

John Thorpe. Very large; soft rich pink.

La Republique. Creamy white, overlaid with rose; very fine.

Menheddy Beauty. Fancy buff, with crimson spots, free long stems, large bloom.

Mrs. Gladstone. Delicate soft pink; large and splendid form; the finest pink Dahlia.

Mrs. Reggie Green. Color a pure white ground, slightly flaked and veined with rosy purple.

Mrs. Chas. Lanier. This grand new Show Dahlia is one of unquestionable merit; color deep brilliant yellow; flowers of immense size; free-blooming.

Norma. Bright orange-buff; good outline.

Rev. J. B. M. Camm. Yellow, flaked red.

SHOW AND FANCY DAHLIAS—Continued

Rosamund. A very fine selling flower, white ground, heavily edged with crimson.

Watchman. Rich golden yellow, heavily striped and blotched with crimson.

White Swan. Snow-white, with long stems.

Single Dahlias

The 20th Century. Intense rosy crimson, with white tips and white disc around yellow center.

Maroon Century. Rich maroon, shaded plum very large and velvety.

Pink Century. In size it is from 6½ to 8 inches in diameter; a strong, vigorous grower with fern-like foliage; color is a delicate shell-pink, slightly suffused, clear, soft pink.

Rose-Pink Century. By far the largest and best, in fact, the only clear rose-pink Century, of immense size, perfect form and great substance. Very strong, heavy plant, with 2 to 3-ft. flower-stems, bearing the giant flowers erectly, making it the most valuable as a plant or for cutting.

Dahlias to Color

We can also furnish, without names, in mixture, all colors separate, or all colors mixed as follows:

Mixed Pinks, Mixed White, Mixed Reds, Mixed Yellows. 75c. per doz., $5.50 per 100, $50.00 per 1000.

Mixed, all colors, 60c. per doz., $4.50 per 100, $40.00 per 1000.

ARTHUR T. BODDINGTON

SEEDSMAN **342 West 14th Street, NEW YORK**

Please mention the Exchange when writing.

time for the Sweet Pea show to be held there. Their stay on the other side will be confined to three weeks, passage home having been engaged on the Empress of Ireland, sailing from Liverpool for Quebec July 29.

At the Doylestown (Pa.) farms the erection of two new greenhouses has been commenced. At Sunnybrook (the seed farm in southern New Jersey) a warehouse is in course of erection. At their city headquarters other building operations are also under way, including the erection of an additional warehouse. Thus, the members of this firm certainly have their hands full with work in the preparation for next season's rush.

It is Mr. Burpee's expectation to be back home at Fordhook Friday, June 24, when he will entertain the members of the American Seed Trade Association and their families at the conclusion of the convention taking place in Atlantic City the early part of the week.

The trade in Spring vegetable seeds is mostly over. The sale of Spring roots and bulbs has, according to the general consensus of opinion, been unprecedented, and is holding out remarkably well. The prices, too, have been satisfactory. Every kind of seasonable vegetable plant is now offered at the various seed stores. Never before were so many useful garden tools displayed. Add to all the above, the commercial fertilizers, the insecticides and the guns, etc., for applying these, and what more can the gardener ask for?

The Johnson Seed Co. is offering a "Self Setting" Mole Trap, a kind, it is to be hoped, which will obviate the danger of the gardener's spearing his own hand while setting the trap.

The Moore Seed Co. report a very large sale of Sweet Potato plants and Marrow Squash seed. The latter is a favorite with the New Jersey planters, some using as much as forty pounds each season.

The seedsmen are getting ready their circular matter in regard to seeds for Summer and Autumn Sowing.

The season for sowing Mangels, late Cabbage and Turnips will soon be at hand. The Stokes Seed Store calls attention to the fact that the supply of the above seeds is not abundant and that the demand will be heavy. Owing to the fact that all biennial roots here and in foreign countries wintered badly, the settings of these, this Spring, were small, and a shortage of seeds from these biennials will surely occur in 1911. Attention is called to the fact that in 1908 Crimson Clover seed sold at retail for $3.50 per bushel, but the present price is $9 per bushel on account of its scarcity. Cow Horn Turnips will be sown by many in place of Crimson Clover as a soil crop. Consequently, the price of this seed will rise. It should be noted also that Celery seed, especially Golden Self Blanching, as well as the seeds of all other biennials, is scarce. Owing to the small planting of all biennials, for reasons above noted, the seedsmen will do well if 33 1-3 per cent. of their contract seeds are delivered to them, so far as biennials are concerned.

At Henry A. Dreer's is being displayed a vase of the blooms of the H. T. Rose Dean Hole. Bushes of the same are also for sale. The color, size, shape and substance of the blooms are all good, and it should meet with a large sale. An old and pretty custom, which should be introduced into this country, is suggested by the scene in one of the windows at this store. A Maypole, several feet tall, is prettily trimmed with Sweet Peas and ribbon streamers, and three life size girl dolls are holding on to the ribbon streamers, and dancing around the pole.

The number of meritorious hardy plants and vines offered here is increasing, now amounting to about twenty, and these are only a few of what can be obtained at Dreer's Nursery.

The Michell seed houses will make an exhibit at the S. A. F. convention at Rochester this Summer. Fred'k J. Michell expects to attend.

Michell's seed house, 518 Market st., is displaying a full line of poultry foods and supplies; a fresh importation of Japanese Fern balls and one of the most complete lines of garden tools and lawn requisites in the city. At the 1018 Market st. store there is an unsurpassed supply of all vegetable plants.

Kentia Palm Seeds

On page 892 of our issue of May 21 reference was made to the prevailing price at which these seeds are now held. It appears that Lord Howe Island, off the southeast coast of Australia, is practically the only source of supply for these seeds. The islanders are leaseholders from the Government and their principal business is the gathering and marketing of Kentia seeds. It seems that, as already related, under old conditions the islanders were entirely at the mercy of the buyer, but a Mr. Farnell, at that time visiting magistrate, being greatly interested in the welfare of the people of the island, undertook to enlighten them as to improved methods of marketing. Later he became resident magistrate and, on his recommendation, the price per bushel was raised to £1, a discount being allowed to the New South Wales trade only. After two or three years, however, a combine or company was formed which has still further improved conditions for the islanders, but is held to be unfair and unjust to purchasers, as Kentia Palm seed is now in the neighborhood of $14.50 per bushel.

This increase in price has brought about many protests on the part of purchasers, and an agitation has been started by the Australian nurserymen, in the endeavor to find a remedy, or at least obtain a clearer explanation as to the nature of the combine or company and of the justice of the price fixed.

The facts above given are sent to us by John S. Gallagher of the National Nurseryman Publishing Co., Rochester, N. Y., and are supplementary to the information printed last week.

Concrete Fence Posts

The U. S. Department of Agriculture, Office of Public Roads, Washington, D. C., has issued an elaborate bulletin on the subject of concrete fence posts. The pamphlet goes into details, giving full and minute instructions enabling those so desiring to build their own fences with their own labor. This information is contained in Farmers' Bulletin No. 403, and may be obtained without charge by addressing as above.

BULBS and THEIR CULTIVATION

By T. W. SANDERS, F. L. S., F. R. H. S. Crown 8vo., Cloth, 212 pages, 42 illus.

A Practical Guide to the Cultivation and propagation of hardy, greenhouse and tuberous-rooted plants, including lists of all the genera, species and varieties worth growing. Price, postpaid, $1.25. Address, **FLORISTS' EXCHANGE, 2 to 8 Duane st., New York.**

Dreer's Select Potted Roses

FOR OUTDOOR PLANTING

The Roses here offered are field grown plants which have been potted into 5 or 6 inch pots (according to the growth of the variety) during the winter months. They have been stored in cold houses and cold frames and are in the best possible condition to turn over to your retail customers for outdoor planting, giving an entirely different result from stock carried over winter in storage. For best results the plants should be shipped in pots; in this shape they will carry safely to reasonable distances by freight.

Hybrid-Tea and Other Everblooming Varieties

Two-Year-Old Plants
5 and 6 inch Pots

	Per 100
Belle Siebrecht	$20.00
Catherine Mermet	25.00
Comtesse Riza du Parc	25.00
Corallina	30.00
Duchesse de Brabant	25.00
Etoile de Lyon	25.00
Francisca Kruger	26.00
Gruss an Teplitz	25.00
G. Nabonand	25.00
Hermosa	20.00
Hon. Edith Gifford	30.00
Kaiserin Augusta Victoria	25.00
La Detroit	30.00
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Maman Cochet Pink	25.00
Marie Van Houtte	26.00
Mrs. B. R. Cant	20.00
Mildred Grant	30.00
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Mme. Margottin	25.00
Mme. de Watteville	25.00
Mme. Welche	25.00
Papa Gontier	25.00
Queen's Scarlet, or Agrippina	20.00
Souvenir de Catherine Guillot	30.00
Souvenir de President Carnot	30.00
Souvenir de la Malmaison	25.00
Souvenir de Pierre Notting	30.00
Safrano	25.00
Viscountess Folkestone	30.00

Hybrid-Tea Roses

Novelties and Recent Introductions

The Gems of the new varieties introduced in recent years. A few of these planted in your own borders will prove interesting during the entire season.

All in Strong Two-Year-Old Plants

	Each
Betty. (Dickson 1905)	$0.36
Countess of Gosford (McGredy 1906)	.40
Chateau de Clos Vougeot (Pernet Ducher 1908)	.75
Dorothy Page Roberts (Dickson 1907)	.75
Dr. J. Campbell Hall (Dickson 1904)	.50
Dean Hole (Dickson 1904)	.50

Hybrid Tea Rose Betty

	Each
Elizabeth Barnes (Dickson 1907)	$0.75
Geo. C. Waud (Dickson 1908)	1.00
Grace Molyneux (Dickson 1908)	1.00
John Cuff (Dickson 1908)	1.00
Hon. Ina Bingham (Dickson 1906)	.50
Lady Ursula (Dickson 1908)	1.00
Lady Faire (Bentley 1906)	.60
Laurent Carle (Pernet Ducher 1907)	1.00
Mary Countess of Richester (Dickson 1909)	2.00
Margaret Molyneux (Dickson 1909)	2.00
Mons. Paul Lede (Pernet Ducher 1903)	.50
Mrs. Arthur Robert Waddell (Pernet Ducher 1907)	.75
Mrs. Aaron Ward (Pernet Ducher 1907)	.85
Mme. Leon Paine (Guillot 1904)	.75
Mme. Maurice de Luze (Pernet Ducher 1907)	.75
Papa Lambert (Lambert 1900)	.35
Queen of Spain (Bide 1907)	.75
Walter Speed (Dickson 1909)	2.00
William Shean (Dickson 1906)	.75
The Lyon (Pernet Ducher 1907)	.90

New Tea Roses

	Each
Harry Kirk (Dickson 1907)	$0.90
Hugo Roller (Paul 1907)	.50
Molly Sharman Crawford (Dickson 1908)	1.00

Hybrid Perpetual, Moss and Other Hardy Roses

Strong two-year-old Plants, nearly all in 6-inch pots.

	Per 100
Alfred Colomb	$25.00
Anna de Diesbach	26.00
Alfred K. Williams	25.00
Blanche Moreau	26.00
Baroness Rothschild	25.00
Camille Bernardin	25.00

HARDY ROSES (Continued).

	Per 100
Capt. Christy	$25.00
Crested Moss	26.00
Comtesse de Murannais	25.00
Captain Hayward	26.00
Common Provence or Damask	25.00
Cilo	25.00
Charles Lefebvre	25.00
Crimson Globe	26.00
Duke of Edinburgh	26.00
Earl of Dufferin	26.00
Fisher Holmes	26.00
Francois Michelon	25.00
Frau Karl Druschki	25.00
General Jacqueminot	25.00
Gloire de Margottin	25.00
Gloire de Lyonnaise	25.00
Hugh Dickson	25.00
Jean Liabaud	25.00
Louis Van Houtte	26.00
Mrs. R. G. Sharman Crawford	26.00
Mme. Plantier	20.00
Mme. Victor Verdier	25.00
Mme. Gabrielle Luizet	25.00
Marie Baumann	26.00
Princess Adelaide	25.00
Paul Neyron	25.00
Prince Camille de Rohan	25.00
Queen of Queens	26.00
Rodocanachi	26.00
Rugosa Nova Zembla	25.00
Rugosa Blanc Double D'Courbet	25.00
Rugosa, White	13.00
Soliel d'Or	30.00
Tom Wood	26.00
Ulrich Brunner	25.00
Victor Verdier	26.00
White Provence	26.00

Rambler, Climbing and Trailing Roses

	Per 100
Baltimore Belle	$20.00
Climbing Clothilde Soupert	20.00
Gloire de Dijon	20.00
Hiawatha	60.00
Lady Gay	20.00
Marechal Niel	30.00
Philadelphia Rambler	20.00
Prairie Queen	20.00
Reine Marie Henriette	60.00
Sweet Brier	16.00
Sweet Brier Lord Penzance	25.00
Sweet Brier Lady Penzance	25.00
Sweet Brier Anne of Gierstein	25.00
Sweet Brier Brenda	25.00
Tausendschon	30.00
Trier	25.00
White Microphylla	20.00
White Dorothy	60.00
Yellow Rambler	20.00

Baby Rambler Roses

	Per 100
White	20.00
Pink	25.00

HENRY A. DREER, Inc., 714 Chestnut Street Philadelphia, Pa.

NOTE—These Prices Are for The Trade Only

Please mention the Exchange when writing.

Fertilization of Horse Radish Seeds

Horse Radish, which is cultivated in great quantities in Central and Eastern Europe, is generally considered to be sterile, and in horticultural works it is frequently cited as an example of sterility caused by the excessive development of the organs of vegetation. It is commonly propagated by cuttings from the root. A Polish horticulturist, Mr. J. Brzézinski, has made some interesting experiments, which are summed up in a memoir addressed to the Academy of Sciences of Cracow.

He began by grafting Horse Radish (Cochlearia armoracea) on common Cabbage and on Sea-Kale (Crambe maritima), but obtained no results as the grafts rotted before being completely developed. Then he made an incision on the root of the Horse Radish, cutting out a round strip of the skin, so as to lay bare the flesh.

"The chief portions of the inner skin, the cribrate tubes, are thereby cut, while the woody fibres stay intact. As the organic matter of the plant is now prevented from going down into the roots to nourish and develop them, the plant is deprived of its former quantity of water as a result of this enfeeblement of the roots, and at the same time an excess of organic matter accumulates in all the parts of the plant above the point of incision.

The first incisions were made on ten roots on June 3, 1907, in the upper portion, less than an inch below the leaves and the stems of the flowers, and on July 10 following Mr. Brzézinski collected a round number of pods, some of which had already lost their seeds. Nevertheless, he obtained 150 grains of seed that were perfectly developed. In the following year he operated upon a larger number of plants, which yielded him 1500 grains of seed. These grains are like those of Cochlearia officinalis in shape and size, but flatter and more grey in color. Mr. Brzézinski then sowed part of the seeds, and of the plants that sprang up, some did not differ in any way from the type of the parent, while others showed very distinct variations.—Quoted by *Revue Horticole.*

[Seedsmen here, 20 to 25 years ago, sold Horse Radish seed, but that practice was discontinued for the reason that these plants could be raised so freely, and in such large quantity from the root as to make seed raising unnecessary.—Ed.]

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

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Magnolias
Rhododendrons
Azaleas
Peonies
Barberry
Hydrangeas (Tree)
Privet

Nursery Stock for Florists' Trade

Everything Hardy in the States and Canada

Roses a Specialty — All Kinds of Fruit Trees

Ornamental Trees and Shrubs, Evergreens, Berries, Herbaceous Plants

Write for trade list

W. & T. SMITH COMPANY

64 Years — GENEVA, N. Y. — 800 Acres

Roses
Spiræa Van Houtte
Norway Spruce
Blue Spruce
Norway Maples
Carolina Poplars
Lombardy Poplars

Please mention the Exchange when writing.

50,000 FIELD-GROWN MYRTLE

$6.00 per 100, $50.00 per 1000

250 of these plants, with the soil well shaken from the roots, will fill a barrel.

CASH WITH ORDER

LOUIS STOSSEL, Maspeth, corner Clermont, Aves. **Maspeth, N. Y.**

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Evergreens Shade Trees Shrubs Privet

100 Acres of Nursery. Ask for quotations upon your own list of wants.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

ALMA NURSERIES Oudenbosch Holland

NURSERIES AT OUDENBOSCH AND BOSKOOP

Proprietors { U. J. Heerma Van Voss. H. A. M. Swellengrebel. | Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.

Large stock of ORNAMENTAL TREES and SHRUBS, CONIFERS, EVERGREENS, etc. First-class stock only. Prices reasonable. Sole American Agent:

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Please mention the Exchange when writing.

Bay Trees—Boxwood

All shapes and sizes at lowest prices. Write and be familiar with my bargains.

F. W. O. SCHMITZ Prince Bay, N. Y.

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LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES

WILLIAM WARNER HARPER, Proprietor
Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries — ROCHESTER, N. Y.

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216 Jane Street
WEEHAWKEN HEIGHTS, N. J.

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Just Received From Our Holland Nurseries

Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

PRICES MODERATE

Please mention the Exchange when writing.

American Pillar

THE NEW CLIMBING ROSE

See our Display Advertisement, page 772 April 30th Florists' Exchange

2½-inch pot plants, $1.50 per dozen, $8.00 per 100, $75.00 per 1000

4-inch pot plants, $3.50 per dozen, $25.00 per 100.

The Conard & Jones Co.

WEST GROVE, PA.

Peach Trees

During the Spring of 1910 Peach Trees were very scarce; we will have a good supply of them for Fall and Spring delivery, and are prepared to enter orders now at reasonable prices.

CALIFORNIA PRIVET

We have a good prospect for next year and would like to have orders now from responsible parties with a moderate deposit.

RHUBARB

We will have some nice clumps for forcing this Fall.

Jos. H. Black, Son & Co.
Hightstown, N. J.

Please mention the Exchange when writing.

ROSE PLANTS

Pres. Carnot, Richmond, Louis Phillip, Gruss an Teplitz, Gen. Jacqueminot, etc., 5-in. pots, $25.00 per hundred.

CRIMSON RAMBLERS FOR GROWING ON, 2½-in. and 3-in. Rose pots, $4.00 per 100.
HYDRANGEA Otaksa, for growing on, 2½-in. pots, $4.00 per 100, $35.00 per 1000.
HARDY ENGLISH IVY, 3-in. pots, 2 leads, 12 to 24 inches long, $8.00 per 100.
CHRYSANTHEMUM PLANTS, 2¼-in. pots, $3.00 per 100.
BUTTON DAISIES (Bellis Perennis), large clumps, $3.00 per 100.
FUCHSIAS, GERANIUMS, VERBENAS, PETUNIAS, SALVIA Zurich, PYRETHRUM aureum, etc. Prices on application.

J. WILLIAM COLFLESH

53rd St. & Woodland Ave., PHILADELPHIA, PA

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August Haerens

Somergem, Belgium

Special grower of High-Grade and new

Azaleas, Kentias, Araucarias, Bays, etc.

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HOLLANDIA NURSERIES

Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

Please mention the Exchange when writing.

500,000 California Privet

FOR FALL OF 1910

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of AMPELOPSIS Veitchii, 2 years, transplanted.

CHAS. BLACK, Hightstown, N. J.

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Formerly THE HORTICULTURAL CO.

BOSKOOP, HOLLAND

Hardy Nursery Stock such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.

Ask for catalog.

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NORTHERN GROWN NURSERY STOCK

We Grow a General Assortment of

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.

Prices Reasonable. Wholesale Trade List for the Asking

THE BAY STATE NURSERIES, North Abington, Mass.

Please mention the Exchange when writing.

ROSES FOR OUT-DOOR PLANTING

Heavy 2-year plants, in 6-inch pots. Splendid healthy foliage and abundant buds and flowers. A good assortment of Hybrid Perpetuals and Hybrid Teas.

Price, $25.00 per 100

The Wm. H. Moon Co., Morrisville, Pa.

Please mention the Exchange when writing.

A ROSE FOR EVERY GREENHOUSE

Grafted Roses

BRIDES, AND BRIDESMAIDS

3½-Inch Pots .....$15.00 per 100

Own Root Roses

AMERICAN BEAUTY

3-Inch Pots .....$9.00 per 100

BRIDES AND BRIDESMAIDS

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J. L. DILLON, Bloomsburg, Pa.

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer. **25th Annual Convention at Denver, June 8, 9 and 10.**

The Alvin Japanese Nursery Co., Houston, Tex., has been incorporated with a capital stock of $225,000. Incorporators: C. L. Bradley, Joe M. Sam, S. Arai.

The King Thurston Nursery Co. of Kalispell, Mont., has filed with the Secretary of State notice of its change from the nursery to the realty and kindred business and its increase of capital stock from ten thousand to fifty thousand dollars.

Quercus falcata One of the beautiful Oaks hardy in most all parts of the country is the Quercus falcata, commonly called Spanish Oak, though why "Spanish" it is hard to say, the tree being a pure native of this country alone. If it grows elsewhere in Pennsylvania than from Philadelphia southward the writer has never seen it, nor has he seen it outside the northern limits of that city. In Fairmount Park, Philadelphia, there are two wild trees still thriving, and as one progresses to near the limits of the city, at its southern end, there are quite a number of trees. Across the Delaware River, in New Jersey, the tree is fairly abundant, extending both east and south.

Some time ago we had an illustration of a large tree in our columns, one of the wild ones mentioned as growing in Fairmount Park. We give now an illustration of a young tree, planted some years ago, as one of a row of shade trees, and which is greatly admired for its beauty. Its good shape will be noticed, as well as its finely divided leaves; and it may be added that its shape is of its own making, no pruning knife having ever been applied to it.

The shape of its leaves is sufficient to enable any one fairly well acquainted with the Oaks to distinguish it, but for additional identification the rusty brown of the underside of the leaf is sufficient.

It is only of late that it is finding its way into general plantings, and it would, perhaps, not be known now had not nurserymen become alive to the fact that the old stock in trade of Oaks, the red, the white, the black and the scarlet will not suffice planters nowadays when such beauties as this one, the Quercus falcata, are to be had for the sowing of the Acorns.

Quercus falcata. Spanish Oak

Kieffer Pears Free From Scale The fact that the Kieffer Pear appears scale proof is a great boon to the fruit growers of southern New Jersey, where so many poor farmers have set out orchards of it in their sandy soils. This Pear is well adapted to the soil there, growing freely where no other sort will do at all, and bearing good crops of fruit. The Pears sell well there, wherever canners can get them, a great demand for them existing, for it is almost the only variety to be had in quantities, and when canned they are very good eating. The freedom from scale is very much in its favor. I cannot say that it is entirely free everywhere, but I have never seen a tree with scale on it, nor have I heard of one having it on. In this respect it is in line with the Cherry, as the same can be said of it.

It is useless to condemn this tree, as some do, because the quality of its fruit is not of the best for eating. One might as well, or better condemn the Quince, fruit of which no one expects to eat out of hand; but how valuable it is for preserving! The Kieffer is good for both eating fresh and for preserving. Eaten after a week or two of ripening indoors, in October or November, it is a favorite with many.

It is about the only Pear that will stand the ill usage of marketing without immediate rotting, so that, in all, there are many reasons why the Pear should be planted.

Sowing Early Ripening Seeds There are several species of trees which ripen their seeds very soon after they form in Spring and which, if sown at once, grow in a few weeks, making nice plants the first season.

Among the Maples are the red and the silver, and in Elms the American and the fulva. Then there is the red Birch, Betula rubra; and among shrubs the Rhus aromatica and Daphne Mezereum come to mind. These seeds are to be gathered as soon as ripe; or gathered from the ground where they have fallen, and if quite green, though fallen from the trees, they should be spread out on a dry floor for a few days, to help their thorough ripening. Sown after this, the result is generally very satisfactory.

It is the common belief, and almost the common experience, that if these seeds are not sown as soon as ripe, but are kept over until Autumn and then sown, none will grow. This may be so in a general way, but the writer knows of red Maple seed kept until Autumn until sown, and which grew very well, and it is not unlikely that some of the other kinds would do the same.

There is much more to be learned about tree seeds than is generally known. Many will grow very well sown when a year old, kinds, too, believed to be worthless. Take the Ash, as an illustration. If sown the same Autumn as gathered it will grow the following Spring. Keep the seed dry until Spring and sow it then and it will not grow until a year has passed, when it will sprout freely. Kept dry a whole year, and sown in the Autumn following gathering, every one of the seeds will grow. It is quite likely that if kept in a cool, dry place until Autumn and then sown, the early ripening Elms, Maples and Birches already referred to would grow, sprouting the Spring following.

There appears to be a demand on the part of seeds to have a certain number of weeks in the ground in advance of Spring, and, if they do not get it they will not sprout, though quite good. If in damp soil indoors through the Winter, the condition seems equivalent to being sown outside in Autumn.

Paulownia imperialis When it comes to trees with flowers famed for fragrance it would be hard to name a more esteemed one than the Empress Tree, Paulownia imperialis, a native of China and Japan. Philadelphians are favored by possessing a climate suitable to this tree, as the tree cannot endure very severe cold, such as the northwestern States are subjected to. Even in Philadelphia seedlings are killed to the ground the first Winter, the upper portion of their growth the second Winter, but after this it is rarely hurt in any way. As it is planted farther north it feels the cold more, until at last it never makes a growth that will endure the Winter. But even in such places it is grown, for the shoots it makes from its base every Summer bear immense leaves which present such a tropical appearance that it helps along the Summer display.

The shape and size of the flowers are like those of a large Trumpet Vine flower, but they are of a blue color, and are borne in immense panicles. Their perfume is most delightful, and from large trees it is wafted a distance of several hundred feet away. As the seeds are somewhat winged and are exceedingly light they are blown away a great distance, consequently they have become wild here and there in the woods about Philadelphia.

It is claimed that the first trees of it were imported by the late Robert Buist of Philadelphia. The trees were young, and no sale for them appearing, save for a single tree here and there, the stock was grubbed out and burned after the lapse of a few years. Later on, when the few sold flowered, the beauty and fragrance of the blossoms created a great demand for the tree, causing Mr. Buist much regret that he had destroyed the stock.

The seeds grow freely; and besides this method of increasing stock it is easily increased by cutting up the roots.

Double Rhododendrons Edwin Matthews, Germantown, writes: "Referring to your notes in the EXCHANGE on Rhododendrons, I would say that we used to have a Rhododendron at home (England) with double flowers. It was of a purplish blue color, and had flowers quite as double as the best of the double Azaleas."

As double flowers are more lasting than single ones and Rhododendron flowers soon fade, double ones of it would be popular without doubt, just as the double Azaleas are.

Night Blooming Jasmine In old collections of greenhouse plants in the North, the night blooming Jasmine, as the Cestrum Parqui is called, is still a favorite, because of the delightful fragrance of its flowers, which exhale their odor at night. Years ago, when Northern florists had a large trade with the South, Cestrum Parqui was grown to some extent, together with Camellias, Magnolia fuscata and other favorites hardy in the South, but not where hard freezings occurred. In the far South this Cestrum is a favorite today as a hardy evergreen; in fact, as it is a native of Chili it endures some cold without harm, flourishing even in the south of England, when grown to a wall which affords it some protection.

The flowers are white, in loose panicles, and, as stated, give off their fragrance at night. It is valued by many above all perfume plants. When grown in pots, a plant placed in a room when in flower is a great treat to all who enter.

Cestrums and Habrothamnus are considered under one head generally, usually under Cestrum.

Wistarias Not Flowering Wistarias have bloomed so uncommonly well this season that such blooming has caused envy in the hearts of some who have young plants of these vines that have not flowered, and the writer has had several parties enquiring the reason their vines fail to gladden them with flowers. One writer, from far off Denver, Col., says that a nurseryman there has told him it is useless for him ever to look for flowers from his plant, it being a seedling, and neither Wistarias nor Trumpet Vines ever flower when raised from seed. The nurseryman, whoever he may be, will have to learn more yet. We have assured the correspondent that he may look for flowers in time, but not so early as he might from plants raised from cuttings. This, at least, is the general experience with these vines, as well as with all plants; the seedling has more vigor, and while in the blush of growth it has no room for flowering. The cutting does not start out so fresh and strong, hence reaches the flowering stage sooner than the seedling.

But to come to the complaints of those who say their vines do not flower, it must be said that the Wistaria does not flower for several years—many years some would say. The writer has one that has been planted six years, and it was at least two years old when planted, and no flower has appeared yet. But if those who complain will contain themselves a little longer their vines will flower, and when they commence they will bloom every year. It is well known among those who are familiar with this vine that it takes many years to bring it into flower, and that it is only after years of growth that the flowering period is reached. There is this much consolation for those who now complain—when the flowering starts it never ceases so long as the vine lives, every Spring seeing it bring forth abundance of bloom.

Indorsements of Our Nursery Department

The following extracts from letters addressed to Mr. Joseph Meehan serve to show that this department has much of interest for our readers:

"I read with great interest your notes in The Florists' Exchange every week and wish you every success. No doubt, you sometimes think it a thankless job, but I assure you it is a great help and pleasure to read your Department."—W. S., New York.

"We wish to thank you for the information we receive through your articles in The Florists' Exchange; these we read with great interest every week."—G. H., New York.

100,000 PHLOX

In 25 Leading Varieties

Strong, stocky plants, from 2½-in. pots for planting out.

ENGLISH IVY, 4-in. pots
CANNAS, 4-in. pots
ASSORTED COLEUS, 2-in. pots
SALVIA, 2-in. pots

Prices given on the above on application.

AGERATUM, White and Blue, 2-in. pots, $20.00 per 1000.
ACHYRANTHES, Red, 2-in. pots, $20.00 per 1000.

THE ELIZABETH NURSERY CO.
ELIZABETH, N. J.

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ROSES FROM 2½-INCH POTS

Fine, Clean, Strong, Well-Rooted Stock

	100	1000		100	1000
Chatenay	$3.00	$25.00	American Beauty	$6.00	$50.00
Bridesmaid	3.00	25.00	Richmond	3.00	25.00
Uncle John	4.00	35.00	Brides	3.00	25.00
Ivory	4.00	35.00			

BENCH PLANTS

	100	1000		100	1000
Beauties	$6.00	$50.00	Sunrise	$4.00	$30.00
Richmonds	4.00	30.00	Brides	4.00	30.00
Perles	4.00	30.00			

CARNATION CUTTINGS

Enchantress, $2.00 per 100; **$15.00** per 1000.
White Perfection, $2.00 per 100; **$15.00** per 1000.

PETER REINBERG, 35 Randolph Street CHICAGO

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Grafted Roses

We have an exceptionally fine stock of grafted plants, strong, clean and healthy.

My Maryland, Kaiserin, 2½-inch pots, $15.00 per 100, $120.00 per 1000.

OWN ROOT STOCK, NOW READY
Bride, Bridesmaid, Kaiserin, Carnot, W. R. Smith and President Taft, 2½-inch pots, $5.00 per 100, $40.00 per 1000.

S. J. REUTER & SON, Inc., Westerly, R. I.

Please mention the Exchange when writing.

New Crop of Spring and Fall Spiraea Seeds

SPIRAEA Thunbergii, $1.00 per ounce.
SPIRAEA Arguta, $1.25 per ounce.
SPIRAEA Opulifolia Aurea, 50c. per ounce.
SPIRAEA Van Houttei, $1.75 per ounce.
SPIRAEA Tomentosa Rosea, $1.00 per ounce.

FRANCIS N. HADDEN 145 Pond Street Providence, R. I.

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Beauty of Poitevine

The prettiest and most satisfactory of all Geraniums

Nice, strong, bushy plants out of 4-inch pots, per 100, $6.00; per 1000, $50.00; per 10,000, $450.00

WM. G. MULLER
Clinton Place and Lyons Ave., NEWARK, N. J.

Please mention the Exchange when writing.

Geraniums Geraniums

S. A. Nutt, Beaute Poitevine, La Favorite, A. Ricard, Frances Perkins, Jean Viaud, Mme. Jaulin, Gloire de France, 3½-in. pots, $5.00 per 100.

BEGONIA Rex and Metallica, 3-in. pots, $4.00 per 100.

COBAEA Scandens, 3-in. pots, $3.00 per 100.

VERBENAS, 3-in. pots, $2.50 per 100.

HELIOTROPE, 2 varieties, 2½-in. pots, $2.00 per 100.

VINCA Variegata, 2½-in., $2.00 per 100.

Cash with order.

WM. J. CHINNICK
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F. E.—Best Advertising Medium

SEASONABLE PLANTS

DRACÆNA Indivisa, 4-in., $10.00 per 100.

CANNAS, Pennsylvania, $1.50; A. Bouvier, $1.50; Austria, $1.25; Italia, $1.75; B. Beauty, $2.50; Egandale, $1.50; Marlborough, $2.00; America, $1.25; D. Harum, $2.00 per 100.

HYDRANGEA Paniculata grandiflora, 2 to 3 ft., $10.00; 18 in. to 24 in., $6.00 per 100.

PRIMULA Obconica, 2-in., $1.50 per 100; 3-in., $4.00 per 100; 4-in., $6.00 per 100.

GERANIUM, Ricard, 2-in., $2.00 per 100.

ASPARAGUS Sprengeri, 2-in., $2.00 per 100
Plumosus, 2-in., $2.00 per 100.

ENGLISH IVY, R. C., 75c. per 100; var. R. C., 75c. per 100.

FERNS, Scottii, 5-in., $20.00 per 100; 6-in., $35.00 per 100.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

Detroit

Increased counter sales and a brisk demand for floral gifts for store and theater openings have kept a rapidly increasing supply down at a level which makes firm prices a possibility. Some of the boys are figuring ahead for some large bouquets and weddings, making prospects look much brighter than a year ago.

Tuberculosis Flower Day, instigated and nursed into existence by genial Phil. Breitmeyer, was a huge success. About nine of the most popular society buds appeared as saleladies at the establishment of John Breitmeyer's Sons and, after four hours of hustling work, they carried away several hundred dollars for the benefit of the Tuberculosis hospital.

The great success this sale attained has given room to the desire to have this an annual affair.

FRANK DANZER.

Milwaukee

Cut flowers in all lines moved exceptionally well the past week, and from advance orders coming in for Decoration Day it looks as though the business for that day will be a record breaker. There are no outdoor flowers in this vicinity this year to relieve the market, and, therefore, the supply will come entirely from flowers grown under glass. Owing to the exceptionally heavy demand there will probably not be anywhere near enough to meet it.

Carnations are mostly called for and the wholesale quotations will run about $5 per 100. Roses will range from $4 to $8 and Peonies $6 per 100. There will also be quite a cut of Lilies, which will find a ready market at $2 per dozen. In addition there will probably be some Valley, Sweet Peas, Marguerite Daisies and possibly a few Tulips to help out. The month of May, so far, has been one of the best experienced here.

The demand for bedding plants opened up later than usual, owing to the continuous cold nights, but for the past few days, since warm weather set in, the sudden call has been exceptionally heavy and it has proved quite difficult to get all orders out as promptly as wanted. From advance orders now in for plants, most dealers expect to sell out clean.

Geraniums are bringing a little better price this year, especially in the pink and white varieties. Most of the growers are holding them at about $1 per 100 higher, which is readily paid wherever the quality is right.

C. C. POLLWORTH CO.

New Use for Privet

In a recent number of the Fruit, Flower, and Vegetable Trades' Journal (Eng.) appeared an article entitled, "A Possible New Industry." "Some weeks ago," says the writer, "when discussing horticultural matters in general with a friend, Clement Bolton of Halifax, he surprised me by informing me that, in the course of his researches, he had discovered that the common Privet (Ligustrum vulgare) contained precisely the same dye as Fustic (Morus tinctoria), and that an infusion of Privet leaves produced results identical with Fustic infusion. Mr. Bolton, who is a medallist and author of a work on wool dyeing, is foreman dyer in a large dyehouse, and he followed up this discovery by exhaustive tests which proved that the Privet color was not affected by exposure to sunshine or boiling with soap, and that it acted in practice in exactly the same way as Fustic. Over 3000 tons of Fustic wood are imported annually." The present price of Fustic chips is £6 per ton, and Fustic extract is £36 per ton.

TRADE LIST

CLEMATIS paniculata, strong plants, $10.00 per 100; 3-in. pots, $6.00 per 100.

DRACAENA Indivisa, 4-in. pots, $10.00 per 100.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100.

PASSIFLORA coerulea, 3-in. pots, $5.00 per 100.

ALTERNANTHERAS, four varieties, 2-in. pots, $2.00 per 100.

SWAINSONA alba, 2½-in. pots, $3.00 per 100.

AMPELOPSIS Veitchii, 4-in. pots, $10.00 per 100; 3-in. pots, $5.00 per 100.

IVY, Hardy English, 4-in. pots, $10.00 per 100; 3-in. pots, $5.00 per 100.

ROSE GERANIUMS, 3-in. pots, $4.00 per 100.

CHRYSANTHEMUMS, Golden Glow, White Cloud, and Pacific Supreme, 2½-in. pots, $3.00 per 100.

CLEMATIS Vitalba, strong seedlings, $1.00 per 100; $8.00 per 1000. This is a very useful and fast growing variety of Clematis, bearing long sprays of sweet scented white flowers.

Plants from 2½-in. pots, $3.00 per 100: ACHYRANTHES; PARLOR IVY; AGERATUM, blue; COLEUS, Verschaffeltii, Queen Victoria, Quatricolor; SALVIA Bonfire, HYDRANGEA Otaksa, Thos. Hogg; BOUVARDIAS, double and single white, Pink, Scarlet and Humboldtii.

HONEYSUCKLE, WOODBINE. Plants, from 4-in. pots, $1.50 per doz.

C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.

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SALVIAS

Bonfire and Splendens, extra strong, mostly in bloom, 3-4 in. pots, $3.00-$4.00 per 100, $25.00-$35.00 per 1000.

LEMON VERBENAS, 15-20 shoots, 3½-in., $5.00 per 100. COLEUS, strong 2-in., $1.50 per 100. ROSE GERANIUMS, 3-in., $4.00 per 100. Mme. Salleroi GERANIUMS, 3-in., $3.00 per 100. CANNAS, GERANIUMS, 3½-4 in., $5.00 per 100. Cash.

WM. S. HERZOG, Morris Plains, N. J.

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Books Every Florist Should Have

BULBS AND TUBEROUS ROOTED PLANTS.—C. L. Allen. $1.50.

THE GARDENER'S ASSISTANT.—New. Two large volumes. The most complete encyclopedia of gardening published. Includes fruit culture. Prospectus. Price, $15.00.

THE AMERICAN CARNATION—C. W. Ward. Price $3.50. Prospectus.

THE CHRYSANTHEMUM.—A. Herrington. Price 50c.

ARNOLD'S TELEGRAPH CODE FOR FLORISTS.—$2.50.

DESIGN BOOK, THE FLORISTS' EXCHANGE.—Sold to subscribers only. Send for particulars.

FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $2.40. Reviewed Feb. 19, 1910.

THE HEATHER: In Lore, Lyric and Lay.—By the late Alexander Wallace, $1.00. Prospectus.

PLANT CULTURE.—George W. Oliver. Price $1.50; F. E. two years and Plant Culture, $3.00. Prospectus.

PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 27, 1909.

THE ROSE.—H. B. Ellwanger. Price $1.25.

SUCCESS IN MARKET GARDENING.—Herbert Rawson. Price, postpaid, $1.20. Reviewed, April 23, 1910.

SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 50c. Prospectus.

SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.

VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.50. Prospectus.

WATER GARDENING, THE BOOK OF.—Peter Bieset. Prospectus. $2.50.

GOLDFISH, THE, AND ITS CULTURE.—Hugo Mulertt. Price, $2.00. New edition. Prospectus.

The review notices or prospectuses of the books mentioned will be mailed to any subscriber on application.

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James Sprunt	.50	2½	25.	
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Gruss an Teplitz (V. R. Coxe)	.60	2¾	27½	
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Mrs. Degraw (Bourbon)	.60	2¾	27½	8.
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Begonia Gloire de Lorraine

FOR JUNE DELIVERY

2¼-inch repotted Stock

Price, $15.00 per 100

SCOTT BROS.

Elmsford Nurseries, ELMSFORD, N. Y.

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Why Delay Ordering Your Begonia Gloire de Lorraine?

You will soon want them sure. We are equipped better than ever to supply Excellent Stock; 2½-inch pots, twice transplanted, at $15.00 per 100, $140.00 per 1000.
CYCLAMEN, 8-inch pots, $7.00 per 100; 4-inch pots, $15.00 per 100.
POINSETTIAS, 2½-inch pots $5.00 per 100; $45.00 per 1000.
Write us for Catalog.

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

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WE call special attention to our large stock of **FERNS,** in all the leading varieties. We particularly mention **NEPHROLEPIS SCHOLZELI** and **NEPHROLEPIS COMPACTA,** both of which are exceptionally fine varieties for growing on.

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2¼-in. pots, strong plants..$8.00 per 100; $75.00 per 1000
4-in. pots, strong plants..$26.00 per 100; $225.00 per 1000

Neph. Scottii
3¼-in. pots, strong plants..$6.00 per 100; $46.00 per 1000
4-in. pots, strong plants..$16.00 per 100; $120.00 per 1000
5-in. pots, strong plants....$5.00 per doz.; $40.00 per 100
6-in. pots, strong plants....$6.00 per doz.; $46.00 per 100
7-in. pots, strong plants....$9.00 per doz.; $66.00 per 100
8-in. pans, strong plants...$12.00 per doz.; $90.00 per 100
10-in. pans, strong plants.....$24.00 per doz.

Neph. Todeaoides
4-in. pots .....$20.00 per 100
8-in. pans .....$12.00 per doz.
11-in. tubs, very handsome .....$36.00 per doz.

Neph. Whitmani
9-in. pots .....$18.00 and $24.00 per doz.

Neph. Amerpohlii
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.

Neph. Bostoniensis
11-in. tubs .....$3.00, $3.50 and $4.00 each

Neph. Compacta
2¼-in. pots, strong plants..$15.00 per 100; $125.00 per 1000

Ficus Pandurata, at $2.00, $3.00, $4.00 and $5.00 each
(Branch), at .....$2.50, $3.00, $4.00 and $6.00 each

Crotons
4-in., well colored .....$26.00 per 100
6-in., well colored .....$60.00 and $76.00 per 100
6-in., well colored .....$9.00, $12.00 and $16.00 per doz.
Well colored specimens at $1.50, $2.00, $2.50, $3.00, $3.50 and $4.00 each.

Queen Alexandra Daisy
Strong plants, exceptionally will flowered, just the thing for window boxes and vases, at $6.00 and $8.00 per doz.

Pandanus Veitchii
Beautifully colored .....$6.00 per doz.; $45.00 per 100

Cyclamen.
We are the largest growers of Cyclamen in America. The stock offered this year is the very highest quality.
2½-in. pots, very strong....$8.00 per 100; $76.00 per 1000
3-in. pots, very strong.....$10.00 per 100; $90.00 per 1000
This stock is much heavier than is generally offered in the above sized pots and will make specimen plants for Christmas sales.

Gardenia Veitchii
2¼-in. pots .....$8.00 per 100; $75.00 per 1000
5-in. pots .....$6.00 per doz.; $35.00 per 100
6-in. pots .....$6.00 per doz.

Standard Baby Ramblers, Crimson, very strong, $1.25 each.
Standard Baby Ramblers, White, very strong, $1.25 each.

SALVIAS

Zurich and Fireball, 4-in. pots, strong plants in bud and bloom, $7.00 per 100, $65.00 per 1000.

ROBERT CRAIG COMPANY, 4900 Market Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

ORDER NOW For June Delivery

Begonia Gloire de Lorraine
2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen
2½-in., $5.00 per 100, $45.00 per 1000

Poinsettias
2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis
2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.
Scranton, Pa.

Please mention the Exchange when writing.

Cleveland, O.

The Schneider Floral Company has been incorporated with a capital of $25,000; S. E. Kramer, E. S. Byers, C. D. Frieholin, A. F. Counts and M. Colahrese are incorporators.

L. F. Darnell, manager of The J. M. Gasser Company, is confined to his bed on account of a bad fracture of the lower leg, sustained in a fall. Slipping on the floor at his home on Sunday afternoon, May 22, his foot turned under him, breaking the small bone of the leg and tearing the tendons.

Providence, R. I.

A movement is under way to beautify the city of Providence. It was first started by teachers and scholars of the Doyle ave. school, by planting trees in front of the school property. The movement was then taken up by the Evening Bulletin, one of the leading evening papers of Providence. A committee of three, consisting of Mayor Fletcher, Prof. J. F. Collins, botanical inspector of Brown University, and Alexander Johnson, city forester, member of the firm of Geo. Johnson & Son, proprietors of the Elmwood Nurseries has been appointed to take charge of matters. The plan seems to be a grand one, as its object is to plant trees on streets that have been neglected. The first donation consisted of 20 trees by Mr. Edward F. Albee, proprietor of Keith's Theater; this was followed by 20 more given by the Evening Bulletin. These trees are to be Norway and Sugar Maples, five years old, and will be supplied by the Elmwood Nurseries. Up to the present about 539 trees have been donated to the city by different individuals and firms. Let the good work go on and Providence will be one of the most beautiful cities in the Eastern States.

DRACAENA INDIVISA

A few hundred strong, clean, healthy plants.
5 inch pots, 25 cents; 6 inch pots, 35 cents each.

Alexander Dallas, 119 Grand Street, WATERBURY, CONN.

Please mention the Exchange when writing.

DRACAENA INDIVISA

A Fine Stock In All Sizes
4 inch, 12 to 15c.; 5 inch, 20 and 25c.; 6 inch, 35 and 50c.; 7 inch, 75c.

SCOTTII FERNS, 5 inch, 25c.; 4 inch, 15c.
COCOS WEDDELLIANA, 2¼ inch, 10c. each, $9.00 per 100.

ASPARAGUS PLUMOSUS, 2¼ inch, strong, $3.00 per 100; 4 inch, $10.00 per 100.

HENRY WESTON, Hempstead, N.Y.

Please mention the Exchange when writing.

Dracaena Indivisa

Nice large plants, 5 and 6-in. pots, $25.00 per 100; 12 at 100 rate, less at 30c. each.
ASPARAGUS Plumosus, 6-in., $20.00 per 100; 3½-in., $7.00 per 100.
Cash with order.

C. S. CHASE, Dighton, Mass.

Please mention the Exchange when writing.

T. W. Lawton of Fall River, Mass., was in town Saturday. He reports business good, with plenty of design and decorative work in the past few months. He also reports that the city of Fall River's park commissioners are hurting the florist trade by offering to fill, water, and keep in shape all cemetery vases for $2.50 each per season. Formerly this work was done by the florists. It is said one of the leading florists of that town has about 250 vases. This will make quite a difference in sales of bedding stock which has been grown for this purpose.

John N. Green reports business good during the short time he has had his new store open. He still runs both places.

Sweeney Bros., Cranston st., have planted several thousand named sorts of Gladioli outside for Summer blooming. They report business very good.

Thomas Curley seems to be as busy as usual. He has his hands full looking after the State's property, keeping the lawns and grounds in fine condition.

Macnair the Florist reports business good, with an advance on Roses at wholesale a little sooner than at other seasons. All look forward to good trade for Memorial week.

F. Macrea & Sons are having Lilies now at all times, planting a fresh lot every two weeks. Business is very good on Smith st. with all the florists.

W. B. Hazzard, Mathewson st., is bringing in some very fine pot-grown To-

DRACAENA INDIVISA

One year, transplanted on benches last October, strong stock, $1.50 per 100, $12.00 per 1000.
DWARF ALYSSUM, FEVERFEW, STOCKS, SENECIO, each at $1.50 per 100.
DWARF ORANGES, in bud and bloom, 4 and 6-in. pots, 3 plants for $1.00.
Cash prices.

E. FRYER, Johnstown, Pa.

Please mention the Exchange when writing.

DRACAENA INDIVISA

Strong, 4-inch, $10 00 per 100.
ASPARAGUS SPRENGERI, strong 2½-inch, $3 00 per 100.
ASPARAGUS PLUMOSUS, 2-inch, $2.00 per 100.

WETTLIN FLORAL CO., Hornell, N. Y.

Please mention the Exchange when writing.

DRACAENA INDIVISA

$18.00 per hundred.
Vinca Variegata, 2½-inch pots, $2.50 per hundred.
Cash with orders please.

E. L. RILEY, Trenton, N. J.
R. F. D. No. 2.

Please mention the Exchange when writing.

Al STOCK

DRACAENA Indivisa, 6-in., $2.50 per doz.; 6-in., $4.00 per doz. VINCA variegata, 4-in., $10.00 per 100. IVY GERANIUM, 2½-in., $3.00 per 100. GERANIUMS, Nutt and other good varieties, 4-in., $8.00 per 100. FIELD-GROWN PANSIES, German Strain, $1.00 per 100, $8.00 per 1000. H. P. ROSES, 6-in., just right for Memorial Day, $5.00 per doz.

F. C. RIEBE, Webster, Mass.

Please mention the Exchange when writing.

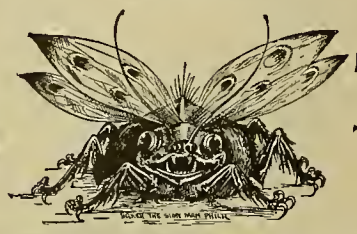
We Still Have Bedding Plants. For List See Previous Issues

GEORGE B. HART, 24 Stone St., Rochester, N. Y.

Please mention the Exchange when writing.

LIKE THE BEE

We are Never Idle



More Active Than Ever

Ten large greenhouses and an equal amount of cold frames filled with choice **BEDDING PLANTS** of all descriptions. Now ready for immediate shipment.

LOOK! We are the people who can offer you **BARGAINS** in **BEDDING PLANTS.**

CANNAS, J. D. Eisele, 4-in., $8.00 per 100; Alphonse Bouvier, Bismarck, Richard Wallace, Kate Gray, King Humbert, 4-in. pots, $7.00 per 100.

BEGONIA EBFORDI, new improved variety, 4 in. pots, $8.00 per 100.

BEGONIA FLAMBEAU, 6 in. pots, 18 to 24 in. high, for boxes and vases, 26c.

BEGONIA VERNON, dark red, and light red, our so well known improved strain from Zurich, Switzerland. Introduced by us 4 years ago. Has given so much satisfaction all over America. Always in bloom, stands the sun and dry weather well. Three to six seedlings planted into one pot (now very bushy), 4 in. pots, $8.00 per 100; large 3-in., $6.00 per 100. A bed of this novelty Begonia once seen growing on a lawn will speak for itself.

SCARLET SAGE, in bloom, Clara Bedman or Bonfire, 4-in., $7.00 per 100.

AGERATUM, dwarf, best blue, 3-in., 4c.

LEMON VERBENAS, 4 in., $7.00 per 100.

HELIOTROPE, blue, 4 in. pots, $7.00 per 100.

ENGLISH IVY, 3-in. pots, 18 to 25 in. high, $6.00 per 100.

GERMAN IVY, 2½-in., 3c.

VINCA Variegata (Periwinkle), for vases or window boxes, 4 in. pots, good stock, 10c. to 12c.

FUCHSIAS, assorted colors, 4 in., $7.00 per 100.

GERANIUMS, best double white, **S. A. Nutt** (crimson) and pink, 4 in., $7.00 per 100. **Beauty of Poitevine,** 4 in., $7.00 per 100.

PETUNIAS, double, assorted colors, 4 in., $7.00 per 100.

LANTANAS, assorted colors, 4 in., $7.00 per 100.

NASTURTIUM Empress of India and six other good varieties, 3-in., $6.00 per 100.

RICINUS or **Castor Oil Plants,** 4-in., 16c.

ECHEVERIA GLAUCA, good strong plants, $3.00, $4.00, $5.00 per 100.

ASTERS, German, Queen Victoria, 4 separate colors, 2 in. pots, $3.00 per 100.

CYCAS Revoluta, or **Sago Palms,** clumps from 3 to 10 lbs., 10c. a lb.
26 plants at 100 rate.

ZINNIA elegans, 2½ in., $3.00 per 100.

Small plants, 2½ to 3-in., $3.00 per 100:

VERBENAS, assorted colors, **PHLOX DRUMMONDI,** dwarf or grandiflora, French dwarf **TAGETES** (the Queen of Marigolds), **COSMOS,** assorted; **COLEUS, Verschaffeltii, Queen Victoria** and **Golden Bedder** (fancy colors, $4.00 per 100; **NASTURTIUMS** (dwarf); **SWEET ALYSSUM, Little Gem** or **Carpet of Snow; TRADESCANTIA, THUNBERGIA** (Black-Eyed Susan); **MAURANDIA Barclayana; IBERIS** or **CANDYTUFT, SALPIGLOSSIS; LOBELIA,** Crystal Palace (blue), dwarf or trailing; **DUSTY MILLER** or **CENTAUREA Gymnocarpa.**

PETUNIAS, Cal. Giant, 3 in., best strain, $5.00 per 100.

In **NEPHROLEPIS** or **FERNS** we have the following: **Scottii, Whitmani** and **Boston,** medium size, 4 in., 20c. **Scholzeli,** medium, 4 in., 26c.

PRIMULA Obconica, 5-in., in bloom, $2.00 per doz.

DRACAENA Indivisa, 5 to 5½-in., 26c.

KENTIA Forsteriana and **Belmoreana,** 25-30-48 in., $1.00, $1.25, $1.50, $1.75 to $2.00.

CRIMSON RAMBLER ROSES, 7-8 in. pots, 75c., $1.00, $1.25 each. **Dorothy Perkins,** one of the newest best pinks, pot grown, 2 to 3 years old, 35c., 40c., 50c.

FICUS ELASTICA, 4 in. pots, 25c.

Don't forget we are the wholesale growers and shippers of the genuine **MOON VINE,** the **Ipomoea Noctiflora,** for which we have had, for the last 25 years, a world-wide reputation. A rapid grower; grows in one season 50 ft. and over with thousands of pure white, waxy, fragrant flowers as big as a saucer. We ship 25,000 every season to every state in the Union, Canada and Mexico. 2½-in. pots, $5.00 per 100; 4-in., staked up, $12.00 per 100.

ARAUCARIA excelsa. First consignment just arrived from Antwerp, in their original packing, 2-3-4 year old, 3-4-5-6 tiers, 12-15-18-20-25 in. high, 35c., 60c., 60c., 75c., $1.00 to $1.50.

ARAUCARIA compacta, Robusta and **Glauca,** $1.00, $1.25 to $1.60.

All plants must travel at purchasers' risk.

Cash with order, please.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

BEDDING PLANTS

SWEET ALYSSUM — GERMAN IVY
AGERATUM — CANNAS
HELIOTROPE — ZINNIAS
2½-in., $2.00 per 100.

HELIOTROPE, 4-in., $5.00 per 100.
VINCA Variegata, 4-in., $10.00 per 100.

CANNAS

King Humbert — Duke of Marlborough
Souv. de Ant. Crozy
4-in., $6.00 per 100.

FERNS

Boston, 4-in., $10.00 per 100.
Whitmani, 6-in., $4.00 per dozen.
KENTIA Belmoreano, 4½-in., 35c. each.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

Please mention the Exchange when writing.

Seasonable Stock

	Per 100
ENGLISH IVY, 4-in.	$12.50
DRACAENA Indivisa, 4-in.	10.00
DRACAENA Indivisa, 5 to 6-in.	25.00
YELLOW MARGUERITES, 4-in.	6.00
WHITE MARGUERITES, 5-in.	15.00
MME. SALLEROI GERANIUM, 3-in.	4.00
ICE PLANT, 3-in.	4.00
MIMULUS, 2½-in.	3.00
SWEET ALYSSUM, 3-in.	4.00
DUSTY MILLER, 2½-in.	3.00
SMILAX, 2-in. ....per 1000, $17.50	2.00
CIGAR PLANT, 3-in.	3.00
CANNAS, Standard var., 4½-in.	7.00

Cash

JOS. J. SOKOL, FLORIST NEW HAVEN, CONN.

Please mention the Exchange when writing.

mato plants. He is doing a nice business in his new location.

D. W. McCoid is kept very busy; he hardly has time to get downtown to purchase supplies.

O. H. Williams & Sons report Geraniums in Rhode Island short this season, and that they are about sold out of most of leading sorts of bedding plants. The firm is one of the largest growers of stock in Providence, if not the largest. Mr. Williams grows Sweet Peas very extensively.

At a recent meeting of the Florists' Club it was decided to visit Kingston College, some time in June.

J. A. Budlong & Sons are cutting a nice lot of Roses at present.

E. D. Tucker, Saylesville, R. I., was in town this week purchasing supplies. He reports business good. He also has a store on Mineral Spring ave., Pawtucket.

The florists in general are very busy getting things in shape for Memorial Day. Owing to continual cool weather, some of the plants will not be in full bloom and this will have a tendency to make cut flowers short.

Johnston Bros., Dorrance st., had a large decoration last week at the Providence Opera House, for the Acme Band concert, which was a grand success. They have booked many good advance orders for Memorial Day.

J. Kelley, Fall River, Mass., was in town Monday.

The Market

Carnations are scarce and the cheaper grades of Roses doubled in price on Monday, the others will, no doubt, follow before the end of the week.

Roses: My Maryland, Killarney, Bride, Bridesmaid, $3 to $15 per 100; American Beauty, $8 to $30; Richmond, $4 to $15. Carnations (scarce), $4 to $6 per 100. Sweet Peas, 75c. to $1.50 per 100. Lily of the Valley, $2 to $4 per 100. Gladioli, small forcing varieties, $3 to $5 per 100; large varieties, $6 to $8. Callas are about out of market. Peonies, $5 to $12.50 per 100. Adiantum Ferns, $1 to $1.50 per 100. Fancy and Dagger Ferns, $1.75 to $2 per 1000. Bronze and green Galax, $1 per 1000. Antirrhinums, $3 to $6 per 100.

H. C. N.

Government's New Landscape Architect

The projectors of the city beautiful in Washington, D. C., have succeeded in procuring an artist whom they believe will do much to elaborate and execute the ambitious plans of the park commission for the future development of the National Capital along esthetic lines, says the Washington Post.

Secretary Dickinson has appointed George E. Burnap of New York, as landscape architect to succeed George H. Brown, deceased. Mr. Burnap is a young Cornell graduate, and stood at the head of a list of 70 persons who entered into a competitive examination for the place.

Pruning Lilacs

Lilacs should be thinned out quite freely from congested and superfluous wood, both inner and outer; decaying blossoms should be removed immediately after they are through blooming. After a period of twelve to fifteen years Lilacs are apt to get "leggy," but if they are cut down to within two or three feet of the base, and the strong growths they will immediately throw up are "stopped," this will compel them to throw out laterals, when they will soon again make compact, shapely bushes. In fact, there are few shrubs which can be so easily rejuvenated as the common Lilac. The beauty of the common Lilac, however, is mainly in the flowers, and there is really not much character in the shrub itself. Some of the Chinese and Japanese species are fine garden plants, though.

JOHN DUNBAR.

A Few Good Things You Want

DRACÆNA Indivisa, 3-in., $5.00 per 100; 4-in., $10.00 per 100.

BEGONIA Rex, 2-in., $5.00 per 100.

ASPARAGUS plumosus, 2-in., $3.00 per 100; 3-in., $6.00 per 100. Cut sprays, 25c. per bunch.

ASPARAGUS Sprengeri, 3-in., $6.00 per 100.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. **Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C.,** $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.

FERNS, Whitmani, 4-in., 25c. each. **Boston,** 4-in., 15c. each; 6-in., 25c. each.

COLEUS, ALTERNANTHERAS, red and yellow, **VERBENAS, HELIOTROPE, CIGAR PLANT, SALVIA** (Scarlet Sage), Zurich (always in bloom), **VINCA Variegata,** 2-in., stock of these, $2.00 per 100.

Cash with order, no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

HELLO! Here is a chance for

CHEAP SPRING STOCK

Geraniums, all varieties, in bud and bloom; **Ageratums,** new varieties; **Begonia Vernon** and **Stocks,** 4-in. pots, at $6.00 per 100.
Double Petunias, white, very large flowering and variegated varieties, and **Flowering Vincas,** 4-in. pots, $7.00 per 100.
Cannas, all varieties, 4½-in. pots, $7.00 per 100.
Hydrangeas, for planting out, 2½-in. pots, $3.00 per 100.
Pertwinkle, very long vines, $10.00 per 100; nice plants, but not so long, $7.00 per 100, in 4-in. pots.
Coleus, in 10 fancy colors; **Ageratum, Alternantheras,** red and yellow; **Cigar Plants, Ground Ivy, Sweet Alyssum, Petunias, Phlox, Pyrethrum** or **Golden Feverfew, Verbenas, Lobelia,** long and short; **Begonia Vernon,** all in 3-in. pots, $2.50 per 100.

Cash with order, please.

MRS. J. H. CLAUS,
1119-21 Roy St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

40,000 Vinca Variegata

Rooted Cuttings 90c. per 100, $8.00 per 1000.

ASTERS, Market White, $3.00 per 1000.

STOCKS, Princess Alice and **Beauty of Nice,** 2-in., $1.50 per 100.

COLEUS, 2-in., $1.50 per 100.

DUSTY MILLER, 2-in., $1.50 per 100.

AGERATUM, White and **Gurney,** 2-in., $1.50 per 100.

LANTANAS, 2-in., $2.00 per 100.

GERANIUMS, Grant, etc., 2-in., $2.00 per 100.

FEVERFEW, 2-in., $2.00 per 100.

VINCAS, 2-in., $2.00 per 100.

ALTERNANTHERAS, 2-in., $2.00 per 100.

CUPHEA, 2-in., $1.60 per 100.

Rooted Cuttings, prepaid per 100; Paris Daisy, yellow, $1.00; Cuphea, 75c.; Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, Rosea, P. Major, 50c. per 100, $4.00 per 1000; Ageratum, 3 kinds, 60c.; Stevia, 75c.; Dbl. Petunias, 10 kinds, $1.00.

Cash with order.

Byer Bros., Chambersburg, Pa.

Please mention the Exchange when writing.

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ST. LOUIS, May 23.—Last week trade among the retailers was a little more active; still, not what it should be. There is plenty of work for funerals but all other work is slow. No large wedding decorations or other social work was reported last week.

The commission men are still having plenty of extra good stock of all kinds; in fact, much more than the demand calls for, with prices away down and not much chance for any big raise in prices for Decoration Day, as that event does not bring much to the local florists. Outdoor stock for this day will be extremely scarce.

Roses and Carnations will be in abundance, so will Cape Jasmine and Peonies, which latter are being shipped in as most of the local Peonies had been frozen from the recent cold weather. Decoration Day prices should run about as follows: Roses, best fancy, not over $6 to $8; firsts, $4 to $5; shorts, $2 to $3 per 100. American Beauty, long fancy, not over $3 to $4 per doz.; others, from $1.50 to $2 per doz.; shorts $4 to $6 per 100. Carnations, $2.50 to $3 for fancy; firsts, $2; splits, $1 to $1.50 per 100. Lily of the Valley, $3 to $4; Harrisii Lilies and Callas, $8 to $10 per 100; Peonies, $3 to $4; Cape Jasmine, $1 to $1.50 per 100. Outdoor stock is over for this season, and there are plenty of greens for everyone.

ST. PATRICK.

WORTH READING

San Francisco, Cal., May 13, 1910.

"This will advise you that I have thoroughly tested out your product Aphine, and can highly recommend same for exterminating Aphis. Our outside Roses in Golden Gate Park were badly infested with Aphis; with the first application of Aphine the pest was entirely destroyed."—(Signed) John McLaren, Supt. Golden Gate Park.

* * *

"Uplands," San Mateo, Cal., May 10, 1910.

"The Aphine you sold me I have used on orchard trees and ornamental plants infested with scale, green and white fly, thrip, mealy bug, etc., and found, in every case, that it completely destroyed the pests in question, with not the slightest harm to the subjects treated. It is without doubt the finest insecticide I have ever used."—(Signed) William Munro, Supt. to C. T. Crocker, Esq.

* * *

Miami, Biscayne Bay, Fla., April 26, 1910.

"The sample of Aphine you kindly sent me was used on a lot of Palms which were infested with Mealy Bugs and I am glad to say it entirely destroyed them without injury to plants. I shall include Aphine in my next order for supplies."—(Signed) E. J. Andrews, Gardener, Hotel Royal Palm.

* * *

Hill Crest, Purchase, N. Y., May 14, 1910.

"Replying to your letter of March 31st, I wish to say that we have given your Aphine a thorough test, and have come to the conclusion that it is one of the best insecticides ever sent out."—(Signed) A. Underwood, Supt.

* * *

Morristown, N. J., April 25, 1910.

"It gives me great satisfaction to tell you that Aphine has entirely cleaned my Gardenias of mealy bug. I used it one part to 35 water. I have tried many things with more or less success, but this was the first complete success. There was no injury to buds or foliage."—(Signed) Edward Reagan.

* * *

Concord, N. H., May 8, 1910.

"Received the Aphine and gave it a good test. As I wrote you before, my 'Mums were literally covered with lice, but that is a thing of the past. I regard Aphine practically as an insurance against insects and I shall not be without it in the future."—(Signed) H. D. Whitney, Prop. Fern-Croft Farm.

* * *

Pasadena, Cal., April 11, 1910.

"It may interest you to know that of the three fluid insecticides which I have tested, Aphine proved to be the best. First, it did not disfigure foliage or flower. Second, it mixed with water perfectly, and last, but not least of its merits, it is less expensive than any of the others considering the work accomplished."—(Signed) P. D. Barnhart, Editor of "Pacific Garden."

We will supply many reports equally as praiseworthy of the merits of Aphine as those submitted above, or any other particulars you may like to obtain.

Aphine Manufacturing Company

Madison, N. J.

Please mention the Exchange when writing.

Bedding Plants

Cannas from 4-inch pots, in the following varieties: A. Bouvier, Mme. Crozy, Souv. de A. Crozy, Chas. Henderson, Gladiator and Shenandoah, price $8.00 per 100 or $70.00 per 1000. King Humbert, $15.00 per 100.

Alternanthera Brilliantissima Strong bushy plants, from 2¼-inch pots, price $3.00 per 100 or $25.00 per 1000. Yellow and Pink, $20.00 per 1000.

Coleus Verschaffeltii and Golden Bedder; also Assorted Varieties, price $2.50 per 100 or $20.00 per 1000

Heliotrope Dark blue, from 3 inch pots, price $4.00 per 100.

Salvias In varieties, from 3-inch pots, price $4.00 per 100, from 2¼-inch pots, $2.50 per 100 or $20.00 per 1000.

Dracaena Indivisa Strong plants, 7-inch at 75c. each, 8-inch at $1.00 each. Smaller sizes at 35c. and 50c. each.

Ageratums Dwarf blue from 2¼-inch pots, price, $20.00 per 1000.

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SCOTT'S FAMOUS VEITCHII STRAIN

Strong, established plants from 3-inch pots, ready for a shift into 5's, or for planting in the bench.

Prices on Application

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Rutland Road and East 45th Street, BROOKLYN, N. Y.

Please mention the Exchange when writing.

ROSES

Own Root, Fine Stock

White Killarney, 2¼-in., $1.50 per doz., $8.00 per 100. Chatenay, Carnot, Kaiserin, Killarney, Perle, Richmond, Sunrise and Sunset, $5.00 per 100. Bride, Bridesmaid, Golden Gate and Uncle John, $4.00 per 100; 2-in. pots, $7.00 per 100, $60.00 per 1000.

GRAFTED, Fine Stock

My Maryland, 3-in., $18.00 per 100. Bride, Bridesmaid, Carnot, Chatenay, Enchantor, Golden Gate, Kaiserin, La France, Mrs. Jardin, Rhea Reid, Uncle John, Wootton, strong 1 year, grafted, 3-in. pots, $15.00 per 100; strong 1 year, own root, $8.00 per 100. This stock is fine for planting outside.

VERBENAS

Mammoth, in bud and bloom, $3.00 per 100.

CHRYSANTHEMUMS

Mrs. Clay Frick, Golden Dome, Golden Glow, Mlle. A. Laurent, Money Maker, White Shaw, Yellow Eaton. Rooted Cuttings, $2.00 per 100, $15.00 per 1000.

A. J. Balfour, Autumn Glory, Ada Spaulding, Cullingfordii, Dr. Enguehard, Dorothy Devene, Early Snow, Glory Pacific, Harry May, H. W. Relman, Ivory, Jeanne Nonin, J. E. Lager, J. K. Shaw, Maud Dean, Meta, Mrs. Jerome Jones, Miss Alice Byron, Mrs. Baer, Mrs. B. McArthur, Maj. Bonnaffon, Nagoya, Polly Rose, Riverside, Robt. Halliday, Timothy Eaton. Rooted Cuttings, $1.50 per 100; 2¼-in. pots, $3.00 per 100, $25.00 per 1000.

CANNAS

From 3½-in. pots, 30 fine varieties, $6.00 and $8.00 per 100.

MISCELLANEOUS PLANTS

Ready for Immediate Sales.

	Size Pots	100
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ACHYRANTHES, 6 sorts	2¼	3.00
ABUTILON Savitzii	3	6.00
AGERATUM Blue and White	2¼	3.00
AGERATUM, Blue and White	3½	4.00
ALTERNANTHERA, Red and Yellow	2¼	3.00
AMPELOPSIS Veitchii	3	8.00
ASPARAGUS Sprengeri	2¼	4.00
ASPARAGUS Plumosus	2¼	4.00
ASPARAGUS Plumosus	3	6.00
BEGONIA Erfordi, Pink and White	2	3.00
BEGONIA Crimson Bedder	2	4.00
BEGONIA Flowering Sorts	3	6.00
BEGONIA, Flowering Sorts	3½	8.00
CUPHEA Platycentra	2¼	3.00
COLEUS, All leading sorts	2¼	3.00
COLEUS, All leading sorts	3	4.00
DRACAENA Indivisa	5	25.00
FEVERFEW, Double White	2¼	3.00
FORGET-ME-NOTS	2¼	3.00
FUCHSIAS, Dble and Single	2¼	3.00
FUCHSIAS, Dble and Single	3½	7.00
GERANIUMS, Dble and Single	2½	7.00
Special Varieties	2½	8.00
Double and Single	2¼	3.00
Ivy-leaved, Double	3½	8.00
Fragrant Rose, etc.	3½	8.00
Fancy-leaved	3½	8.00

	Size pots	100
HYDRANGEA Otaksa, 6 to 6 flowers, $1.00 each; 3 to 4 flowers, 75c. each.		
HELIOTROPE, Light and Dark	2¼	$3.00
Light and Dark	3½	6.00
IMPATIENS Sultana	2¼	4.00
IVY, GERMAN	2¼	3.00
LANTANAS in variety	3	6.00
LOBELIAS, New Double Blue	2¼	4.00
LOBELIA, New Double Blue	3	6.00
MOONVINE, True White	2¼	4.00
MOONVINE, True White	4	10.00
PETUNIAS, Dreer's Single Fringed	2¼	3.00
SALVIAS, Splendens and Bedman	4	6.00
Splendens and Bedman	2¼	3.00
New Early Flowering	2¼	4.00
SMILAX, strong	3	3.00
STEVIA compacta	2¼	3.00
STEVIA Variegata	2¼	3.00
TRADESCANTIA	2¼	3.00
SWAINSONA alba	2¼	4.00
TROPAEOLUM, Double	2¼	4.00
VINCAS, Variegata and Elegens	3	6.00
Variegata and Elegans	4	10.00
VIOLETS, Marie Louise, R. C.		1.50

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WOOD BROTHERS, FISHKILL NEW YORK

Please mention the Exchange when writing.

New Hardy Yellow Border Carnation Comtesse Knuth

Comtesse Knuth, of which we present an illustration herewith, was awarded a large silver medal at the exhibition in Aarhus, Denmark, in the Summer of 1909, where a large bed of it was much admired by visitors.

From the originators' description we learn that the flowers of Comtesse Knuth are of an extraordinarily fine apricot yellow color, produced on strong and stiff stems, varying from 24 to 48 in. in length. The flowering season in Denmark is from July to November, making this hardy Carnation exceedingly useful for beds and borders. In the Copenhagen market Comtesse Knuth has been in very great demand and realizes good prices. The value of Comtesse Knuth is summed up in three essential qualities: 1, its extraordinarily beautiful flowers on long, strong stems; 2, its hardiness even in the most severe cold weather; 3, the abundance of flowers it yields, unsurpassed by any other hardy Carnation.

Comtesse Knuth is offered for sale by the firm of Hjalmar Hartmann & Co., Copenhagen, Denmark.

The New Hardy Border Carnation Comtesse Knuth

Among the Growers

At West Hoboken, N. J.

West Hoboken is the great Geranium growing section. Nearly every grower on or near to the Hudson Boulevard grows from 15,000 to 100,000 Geraniums. These are all of the semi-double type, none of the new fancy single varieties being used, as it is found the blooms drop during transportation.

John Birnie

The output of the Birnie range for one item is 100,000 Zonal Geraniums, and 6000 of the grandiflorum varieties, commonly called Lady Washington Geraniums. A large range of varieties in Zonals are grown here and some new varieties are being tried out. It has been noted by Mr. Birnie that the first truss of flower on Viaud and Jaulin have the stem bent or partly broken about two inches below the truss, making the first truss of bloom in a measure unsightly and worthless. He is, therefore, trying Cerise instead of Jaulin, and Dagata instead of Viaud, and finds them more satisfactory. The fact is, Viaud is and always has been a coarse Geranium, but a strong grower. Doyle is also added to the list usually grown in this section. E. G. Hill is to be discarded, as the bloom falls during transportation.

In the grandiflorum type, Taylor, Madden, Alfred Henderson and Thebeau are grown. Ivy and Tricolor Geraniums also are grown here in large numbers.

Though Geraniums here are a specialty, for other items 6000 Little Beauty Fuchsias and 40,000 Verbenas are grown.

Steinhoff & Co.

This firm have a nursery of about one hundred and twenty-five acres at West Norwood, N. J. Besides shade

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Low Prices, to Clean-up Quickly! Fine, Thrifty Stuff!
All in 2½-inch pots.

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600	**Amy Muller**	$3.50	$30.00
600	**Anne De Diesbach**	3.00	27.50
7000	**Alberic Berbier**	3.00	25.00
600	**Caprice**	3.00	27.50
300	**Coquette des Blanches**	3.50	30.00
800	**Clio**	3.50	30.00
200	**Clothilde Soupert**	3.00	25.00
2000	**Flower of Fairfield** (Everblooming Crimson Rambler)	10.00	100.00
300	**Francois Levet**	3.00	27.50
300	**Gen. Jacqueminot**	3.50	30.00
2000	**Goldfinch** (Improved Yellow Rambler)	3.50	30.00
500	**Gen. Washington**	3.50	30.00
10000	**Hiawatha**	3.00	27.50
600	**Leone Lemesch**	4.00	35.00
400	**Magna Charta**	3.50	30.00
200	**Mrs. John Laing**	3.50	30.00
200	**Mme. Georges Bruant**	4.00	35.00
500	**Oakmont**	3.50	30.00
500	**Princess Adelaide Moss**	4.00	35.00
8000	**Philadelphia Rambler**	3.00	25.00
300	**Queen of the Prairies**	3.00	25.00
300	**Salrano**	3.00	25.00
8000	**Veilchenblau** (Blue Rambler)	10.00	100.00
7000	**White Dorothy Perkins**	8.00	75.00
200	**Wichuraiana** (type)	3.00	25.00

Odds & Ends

		Per 100	Per 1000
1000	**Asparagus Plumosus Nanus**	$2.50	$22.00
1000	**Asparagus Sprengeri**	2.00	18.00
1000	**Hibiscus "Peachblow"**	2.75	22.50
1000	**Jerusalem Cherry**	2.75	22.50
1500	**Palm Kentia Belmoreana**	7.00	60.00

Guaranteed First Class Stock; unsold Roses will be planted out in our Nurseries; write quick, or, better, wire. One week only!

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A Special Offer

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IVORY, GOLDEN GATE, BRIDESMAID, grown in sterilized soil, fine stuff, $4.00 per 100.

DRACAENA INDIVISA

Fine, 5-inch stock, pot-grown, $20.00 per 100.

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Well rooted, healthy cuttings of IVORY, MRS. LOTZ, PRES. ROOSEVELT, GOLDEN KING, GOLDEN GLOW, AMORITA, MINNIE BAILEY, APPLETON, WHITE JONES, PARR, NONIN, WHITE CHADWICK, TIMOTHY EATON, YELLOW BONNAFFON and MRS. WEEKS, $2.00 per 100; $15.00 per 1000; from 2½-inch pots, $20.00 per 1000.

Cash

JAMES HAMILTON, Mt. Washington, Md.

Please mention the Exchange when writing.

trees, ornamental trees and evergreens and ornamental shrubs, there are grown there practically all the Rose bushes suited to this climate, especially of the Rambler and Wichuraiana varieties, which they force in their greenhouses at West Hoboken. In case they are obliged to buy any Rose bushes for forcing, they buy American-grown stock and much prefer it to the imported. About 10,000 potted Ramblers of the different kinds and 30,000 Hybrid Perpetuals are forced here for the Easter and Spring trade.

The firm brought out last year Agnes Steinhoff, a Wichuraiana variety, which proved a prize winner, and is considered an improvement on Hiawatha. They are now trying out several new Roses of the Rambler type and expect to bring out a new one next year.

Thirty thousand Lilies, 5000 Azaleas, and 5000 Lilacs, the latter from their own nursery, are forced.

The demand in the nursery branch of the business has been very large this Spring, and the firm is engaging in the landscape gardening business also.

'Mums and Poinsettias are now being propagated in very large numbers, and of the former some new varieties are being tried.

John Tschupp & Co.

At the present time this firm is giving most of its space to growing Geraniums, Fuchsias, and a few miscellaneous bedding plants. The Geranium growing is confined to a few standard varieties, Ricard, Nutt, Poitevine, and Rose Geraniums. Some 70,000 Geraniums were grown here this season, most of which have been sent out, and the others are ready to go out now. Of Fuchsias, about 4000 plants are grown here, mostly Little Beauty.

The plants at this range are all well grown. At present they are disposed of at the Canal st. market.

After the bedding plants are disposed of 'Mums are grown, the varieties used being white and yellow Chadwick, Dr. Enguehard, Ivory, Maud Dean, Gold Mine, Polly Rose and Halliday. These are grown for a single bloom only. After the 'Mums follow Lilium Formosum and giganteum.

Ernst G. Asmus & Son

This range, not modern but well kept up, consisting of seventy houses, 140,000 sq. ft. of glass, heated with hot water, is largely given up to the growing of Roses. Most of the raised wooden center benches have been changed to solid beds with concrete sides and ends, and these are giving better satisfaction than the raised benches.

Ten varieties of Roses are grown here, and about as follows as regards quantity: Eighteen houses of pink Killarney, four of white Killarney, twelve of Richmond, two of My Maryland, two Madam Hoste, two of Franz Deegan, four of Sunrise, six of Testout, and seven of Kaiserin, with about 5000 plants of Madam Cusin on side benches.

About 800,000 Lily of the Valley is forced annually, and 3000 pots of white Lilac.

A few houses are devoted to 'Mums; white and yellow Eaton, pink and white Ivory, Halliday and Maud Dean are chiefly used.

The Rose plants show good care, are well covered with buds, and are giving a large cut of flowers, averaging from 7000 to 12,000 per day. No new varieties are at present being tried.

Fred Engel

The seven houses of Fred Engel's range are now devoted to growing bedding plants. Among these are 50,000 Geraniums, chiefly Ricard, Nutt, and Poitevine, and a few Buchner, Mrs. Parker, the tricolor with double pink blooms, and Madam Languth, the tricolor with double scarlet blooms. Some 3000 Little Beauty Fuchsias, and the standard varieties of Coleus and Heliotrope are grown here, and a few Magna Charta Roses.

After the bedding plants come the 'Mums: Chadwick, Jones, Glory of Pacific, Polly Rose, Balfour and Halliday; and still later the Formosum and giganteum Lilies. The plants are sold at the Canal st. market.

Henry Baumann & Son

This firm devotes most of its glass to growing table Ferns. Of these they send out annually to the New York retail stores 100,000 to 125,000 in 2½-in. pots. They raise the Ferns from spores of their own saving. A temperature of 60° to 80° is necessary for the germination of the spores and the development of the tiny plants.

Besides Ferns this firm raises some 15,000 Ricard and Poitevine Geraniums, and some other bedding plants.

They have just put into service a handsome new delivery wagon.

Rudolph Wittman

Hydrangeas, Spiræas and Lilium Formosum are forced in Mr. Wittman's greenhouses for the Easter trade, and then the space is devoted to Rose Geraniums, Ricard, Nutt and Poitevine Geraniums. It may be stated here that fully 90 per cent of the Geraniums raised in this section are of the above named varieties, and except in the case of one or two growers there seems to be little inclination to try out any of the new varieties.

Some Echeveria and other miscellaneous bedding plants also are grown here.

Emil Leuly

The specialties grown at the Leuly establishment are Carnations and small Ferns. In addition to these, Asparagus and some Geraniums are grown. Five houses are devoted to growing Carnations, two to Asparagus, and after the Geraniums some 'Mums are grown. In Carnations, Beacon, Mrs. Patton, Enchantress, pink, white and variegated Lawson, Winsor, White Perfection, and Boston Market are grown. In 'Mums the varieties are Virginia Poehlmann, Tousset, Alice Byron, Balfour, Bonnaffon and Ivory.

It is to the growing of small Ferns in flats and in 2½-in. pots that Mr. Leuly gives his special attention. The work is a very interesting one, and in order to be successful has to be carried on very systematically and carefully.

Mr. Leuly for the most part saves the spores from his own plants. They are planted in flats, and the moisture and temperature of the seed house must be carefully watched. In the case of most varieties, the spores germinate and the seedlings reach a sufficient size in four months so that they can be transplanted, first into flats and then into 2½-in. pots. About two months later the Ferns in the pots are ready for market. The time, however, varies considerably with the variety; for instance, Aspidium tsussimense and Cyrtomium falcatum take twelve months for germination and growing to a sufficient size after they have been transplanted into the flats to be transplanted again into pots, and two months more to grow large enough to market.

Mr. Leuly gives especial attention in his Fern work to sending out Ferns in flats. Several hundred thousands of Ferns are grown here each year. Some Geraniums are also grown here; in fact every grower in West Hoboken seems to find it necessary to grow these.

John Reickert, Weehawken, N. J.

Bedding stock is the chief feature at this range. Among the plants grown may be noticed a large block of dwarf Marigolds, even now in bloom. The most attractive plants to be seen here just now are 1000 well grown potted plants of Spiræa Gladstone, well covered with buds, which will be ready for Memorial Day, if not somewhat earlier.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the Trade in General.

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Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

THE ORCHID SHOW AT BOSTON

After two years of preparation it presents a scene of unsurpassable beauty never before witnessed in America

The great Orchid exhibition which has been in preparation for the last two years will open on Thursday, May 26, at 8 p.m., and will continue each day until 10 p.m. of Monday, May 30.

The first evening is intended to be a society event and 2000 notices have been sent out to all the prominent people in New England asking them to attend. Evening dress was requested for the opening night.

Special invitation tickets have been sent to the Governor of the State, the mayor of Boston, editors of all the Boston newspapers as well as of all the papers published in New England towns and cities, also to the editors of all horticultural and florist trade journals.

Those holding the usual complimentary tickets are not to be admitted until Friday and Saturday. In all there are to be six different kinds of admission tickets. The price of admission is to be three dollars for the first day; Friday and Saturday one dollar; Sunday and Monday fifty cents.

Never before in the history of the Society were there such preparations made for an exhibition and it has spent money lavishly to make the affair a great success.

The orchestra hired (the Philharmonic) is one of the very best in the city and most of the gentlemen composing it belong to Symphony Hall, so good music of a very high class is assured.

The press representative is Mr. John W. Luce, assisted by Howard Hale Schaff. Mr. Luce is considered one of the cleverest writers on such subjects; his mission is to keep the exhibition well before the public in all the city and principal papers throughout New England. The Society has been fortunate in getting Mr. Luce to take charge of this work and he is paid a handsome sum for his labor.

For almost a week a steam roller has been running in the large exhibition hall, firming the soil; a gravel walk has been constructed, and the roller has made it as firm and as hard as it could be made. Thousands of feet of green sward are being laid so as to create a garden effect.

The main hall is to be largely made up of the large Orchid groups. Lager & Hurrell of Summit, N. J., and the Julius Roehrs Co. of Rutherford, N. J., will each occupy an alcove on the right hand side of the hall. W. A. Manda of South Orange N. J. and J. T. Butterworth of South Framingham, Mass., will occupy the alcoves on the left side. In the rear of the hall the Julius Roehrs Co. will have a large group of stove and greenhouse plants. Dr. G. C. Weld of Brookline will occupy the other side.

The center is laid out in garden fashion. Large Azaleas and extra fine specimens of Wistaria from Prof. C. S. Sargent will occupy both ends. The colors of the Azaleas will be chosen with care so not to clash with those of the Orchids. The Azaleas will not be arranged in groups but will be set out on the grass just as though they were growing in a garden. A large circular group of Cocos Weddeliana will occupy the center; these have just come in from Belgium.

The small hall adjoining the large exhibition hall will be filled with cut flowers of Orchids. Right in the center of the upper hall or lecture room, so that people can walk all around it, will be placed the Roehling exhibit. Flanking it on each side are the groups of the private gardeners; these occupy 150 sq. ft. each. There are two entries, one from Walter Hunnewell of Wellesley and one from E. B. Dane of Brookline. The other portions of the hall will be filled with specimen Orchid plants and, on the stage in the rear, will be an exhibit from R. & J. Farquhar Co. of Wilson's new Chinese plants.

There are any number of entries and no doubt at all of the floral end of the show being a great success.

One exhibit which deserves special mention here is that which arrived last Friday from Belgium. It was sent by a horticultural establishment of Ghent, Belgium, and consists of 250 specimen plants of Cocos Weddeliana. These are all about four feet high and every plant is a perfect specimen. The exhibitors of these plants grow 500,000 of this variety of Cocos, and won the honor prize at the exhibition at Berlin in April, 1909, a medal at the Temple Show in London and a gold medal in Paris. This exhibit alone is worth traveling a long way to see and never before has there been such fine plants of this species shown in this country. They were exceptionally well packed and not a leaf on the 250 plants was broken. It took seven large cases to hold them.

We expect many other foreign exhibits. One was promised by the late King Edward VII but, owing to his sudden and unexpected death, it has been canceled.

The judges are T. D. Hatfield of Wellesley, chairman; Oakes Ames of North Easton. James E. Rothwell of Brookline, Arthur Herrington of New York and Alfred J. Loveless of Lenox, Mass.

John K. L. M. Farquhar of Boston is in charge of all the exhibits, and Robert Cameron of the Harvard Botanical Garden, Cambridge, is supt. of the Orchid section.

The committee on prizes and exhibits consists of John K. L. M. Farquhar, Professor Charles S. Sargent of the Arnold Arboretum, Robert Cameron, W. N. Craig, H. A. Patten and John A. Pettigrew, all of whom have worked faithfully to make the exhibition a great success.

This show should create a greater desire for these beautiful plants and, in so doing, it will help the Orchid growers' business immensely. We are highly pleased with the interest the large commercial Orchid firms have shown in this enterprise ever since its inception nearly two years ago. We wish them all the best of success.

ROBERT CAMERON.

The American Seed Trade Association

Twenty-eighth Annual Convention

Hotel Strand

Atlantic City, N. J., June 21-22-23, 1910

Officers 1909-1910

President, J. C. Robinson, Waterloo, Neb.; first vice-president, M. H. Duryea, New York; second vice-president, F. W. Bolgiano, Washington, D. C.; secretary-treasurer, C. E. Kendel, Cleveland, O.; assistant secretary, Leonard H. Vaughan, Chicago.

Order of Business

Reports of the secretary and treasurer; election of members; reports of committees; reading of communications; unfinished business; new business; general discussions; annual election and installation of officers.

Program

Recent Science in Plant and Animal Breeding.—Hon. W. M. Hays, Assistant Secretary of Agriculture, Washington, D. C.

Methods and Apparatus for Seed Testing by Seed Merchants.—George H. Clark, Department of Agriculture, Ottawa, Ont.

The Spencer Type of Sweet Peas.—W. Atlee Burpee, Philadelphia, Pa.

State Legislation, Present and Future.—Prof. Charles D. Woods, Orono, Maine.

The Advancement and Protection of the Interests of the Seed Trade.—Curtis Nye Smith, Counsel for the American Seed Trade Association, Boston.

Past, Present and Prospective of the Seed Trade of America.—Francis Brill, Hempstead, N. Y.

Entertainments

On Wednesday evening will take place the annual banquet.

On Friday, June 24

All members and their families are cordially invited to spend Friday at Fordhook Farms. Special trains will stop at the entrance, and luncheon will be served at 1 o'clock. Mr. Burpee and Mr. Earl will be back from California in time to welcome their guests.

List of Committees

Executive Committee.—W. S. Woodruff, Orange, Conn.; Geo. S. Green, Chicago; Alex. Forbes, New York; Chas N. Page, Des Moines, Ia.; S. F. Willard, Wethersfield, Conn.

Membership Committee.—Albert McCullough, Cincinnati, O.; E. L. Page, Greene, N. Y.; J. C. Vaughan, Chicago.

To the Florists of the United States

The Bennet Postal Bill, H. R. 10762, as amended, increases our four pound domestic weight limit to the prevailing eleven-pound limit of our foreign parcels post, with rates in our general unsealed express post, one cent each 2 ounces, the old common merchandise rate of 1874.

On sealed parcels: letters, within city delivery limits, 4 ounces 2 cents; each additional 2 ounces, 1 cent; within the limits of a rural route, parcels up to one twenty-fourth of a cubic foot, one pound in weight, 1 cent; larger parcels up to one-half a cubic foot, one-half the size of the ordinary suit case, and up to 11 lbs. in weight, 5c.; larger parcels, up to one cubic foot, the size of the ordinary suit case, 6x12x24 inches, and up to 25 lbs. in weight, 10c.

All mail matter to be insured, the ordinary rates carrying insurance up to $10; the ten-cent registration fee carrying insurance up to $50, and a two-cent fee for each additional $50 carrying insurance up to the full value of the parcel.

This bill, endorsed by the Society of American Florists at its last convention (the only change is the increase of the weight limit), is now in the hands of Hon. John W. Weeks, chairman of the Postal Committee of the U. S. House of Representatives.

The hearings on this in the last week in April were very strongly in its favor. Its only failing is its conservatism, but it cuts the present 16c. a pound merchandise rate to 8c. a pound; we believe it will increase the income of the Post Office by fully $100,000,000, and it will save the public a great deal more. It will prove an effective entering wedge for making the Post Office "Our Mutual Express Company" what it ought to be, the most extended, the cheapest, the most secure and the most efficient express service on earth.

Contrast the foreign parcels posts provided by President Taft and Postmaster-General Hitchcock for foreigners sending merchandise to the U. S. with the rates levied upon you by your representatives in Congress.

Foreign rates to the U. S.: From Italy, 7 lbs., 39c.; 11 lbs., 79c. From Germany, 4½ lbs., 33c.; 11 lbs., 81c. From Austria, 4½ lbs., 35c.; 11 lbs., 86c.

Domestic rates levied upon you by your Congressmen: 4½ lbs. in 2 parcels, 72c.; 7 lbs. in 2 parcels, $1.12; 11 lbs. in 3 parcels, $1.76.

Will you quietly submit to the continuance of this condition of things? My advice is write to your Congressmen and tell them that if they are to expect your votes next Fall, they will see that the Bennet Postal Bill, H. R., 10762, is enacted into law now.

Write to the House U. S. Postal Committee and request them to report the Bennet Bill, H. R., 10762, to the House immediately. Here are their names:

Hon. John W. Weeks of Massachusetts, chairman; Hon. John J. Gardner, N. J.; Hon. Nehemiah D. Sperry, Conn.; Hon. Wm. H. Stafford, Wis.; Hon. George F. Huff, Pa.; Hon. J. Sloat Fassett, N. Y.; Hon. Sylvester C. Smith, Cal.; Hon. Frank O. Lowden, Ill.; Hon. Cyrus Durey, N. Y.; Hon. Thomas R. Hamer, Idaho; Hon. Francis H. Dodds, Mich.; Hon. Victor Murdock, Kansas; Hon. John A. Moon, Tenn.; Hon. David E. Finley, S. C.; Hon. James T. Lloyd, Mo.; Hon. John H. Small, N. C.; Hon. Thomas M. Bell, Ga.; Hon. Wm. E. Cox, Ind.; Hon. Ralph H. Cameron, Arizona. Their common address is Washington, D. C.

Write to these men *immediately* and write to your Congressmen and Senators as well. There is no time to be lost. A postage stamp spent now will be dollars in your pocket a little later.

Our cry is:

"The Bill, the Bill,
The Bennet Bill,
H. R. 10762."

James L. Cowles, Sec.-Treas. the Postal Progress League, 361 Broadway, N. Y., May 24, 1910.

The Peony Exhibition at Boston

Schedule of Prizes for the Peony Exhibition of the Massachusetts Horticultural Society, and the Annual Meeting and Exhibition of the American Peony Society, at Horticultural Hall, Boston, Thursday and Friday, June 9 and 10, 1910

Flowers intended for competition must be shipped so to reach the exhibition not later than ten o'clock a.m. Thursday.

Express charges on all exhibits must be prepaid, and ould be so marked on the boxes, as no charges will be id by the manager of the exhibition.

All packages must be addressed in care of William P. ich, Secretary, Horticultural Hall, 300 Massachusetts ve., Boston, Mass.

rizes Offered by the American Peony Society

Herbaceous Peonies—Double

COMMERCIAL CLASSES

Largest and best collection of named varieties, one ower of each, three prizes; $15, $10, $5.

Best fifty blooms, one variety, named, white, two rizes: $10, $5.

Best fifty blooms, one variety, named, dark pink or se, two prizes: $10, $5.

Best fifty blooms, one variety, named, flesh or salmonink, two prizes: $10, $5.

Best fifty blooms, one variety, named, crimson, two rizes: $10, $5.

Prizes Offered by the Mass. Hort. Society

Herbaceous Peonies

Collection of thirty or more varieties, double, one ower of each, four prizes: $12, $8, $6, $4.

Collection of twelve named varieties, double, three owers of each, three prizes: $12, $8, $6.

Specimen bloom, double, two prizes: $2, $1.

Collection of twelve or more named varieties, Japanse single; including all single varieties destitute of ollen, three prizes: $4, $3, $2.

Vase of blooms on long stems, arranged for effect in e Society's large China vases, three prizes: $10, $6, $4.

Collection of six named double varieties, white, rose ink, salmon-pink, red or crimson, any other color, one ower of each, three prizes for each color: $3, $2, $1.

Vase of twenty-five blooms, double, white or blush, ink or rose, red or crimson, any other color, three rizes for each color: $5, $3, $2.

Best display of Peonies, arranged for decorative effect, occupy a space not exceeding one hundred square eet, three prizes: 1, Silver Medal and $10; 2, Bronze edal and $5; 3, $5.

Best new Peony not in commerce or introduced since 906, Silver Medal.

Officers of the American Peony Society, 1910.—Presient, Bertrand H. Farr, Reading, Pa.; vice-president, . J. Maloy, Rochester, N. Y.; treasurer, J. H. Humhreys, Germantown, Pa.; secretary, A. H. Fewkes, ewton Highlands, Mass.

Committee on prizes and exhibitions of the Massachuetts Horticultural Society, 1910.—John K. M. L. Farhar, chairman; Robert Cameron, W. N. Craig, M. A. atten, J. A. Pettigrew, C. S. Sargent.

he Forthcoming Peony Exhibition at Boston

June 10 is the date which has been announced for the ext meeting and exhibition of the American Peony Soiety, to be held in conjunction with the annual Peony how of the Massachusetts Horticultural Society at oston. If the weather conditions do not make it necesary to postpone this date the opportunity will be open or the most successful exhibition the Society has ever ad, for probably no other city has so many fine collecions of Peonies, both private and commercial, as are to e found in the immediate vicinity of Boston; and in no ther locality has there been greater enthusiasm shown. he exhibitions which have been held there are noted ot only for the number of exhibitors but for the large umber of new and rare varieties shown. In addition o this earliness of the date this year will enable xhibitors from the sections farther South to send their ater varieties which, in former years, they have been nable to do.

This coming meeting of the Society promises to be an nteresting one in other ways, for the committee on omenclature have during the last year accomplished a arge amount of work, the results of which will be shown n the official list of some two hundred and fifty (250) arieties which have been studied and passed upon during the past season. This Bulletin has just been received rom the printer's hands and will be ready in a few lays for mailing to the members of the Society. It is he expectation that members will go over this report arefully and compare the descriptions given with their wn flowers; members who are able to offer any sugestions or criticisms are invited to send them as quickly s possible so that the committee may have the benefit hereof in time to avail themselves of them during the looming season at Ithaca. Any suggestions may be addressed to Professor Leon D. Batchelor, Department of Horticulture, Cornell University, Ithaca, N. Y., who has harge of the work for the Peony Society at Cornell.

The Peony situation in southeastern Pennsylvania has, for several weeks, been a conundrum. We were fortunate in escaping the freezing which inflicted so much loss on our Western friends, and for a time it looked as though most of the earlier Peonies would be pretty well over by Decoration Day. Peony Wittmannia was in bloom April 28, Triternata, April 29, and nearly all the various species, except the Chinensis section, are all over. The cool weather of the last two weeks has so retarded the Chinensis varieties that it is now—May 23—a guess as to whether they will be in time for Decoration Day. And as happened last year, the later varieties look as if they would be in bloom almost as soon as the earlier ones of the Chinensis class.

BERTRAND H. FARR,
President Am. Peony Society.

Wyomissing, Reading, Pa., May 23, 1810.

Publications Received

CORNELL UNIVERSITY. Agricultural Experiment Station of the College of Agriculture, Department of Horticulture. Bulletin 278. Classification of the Peony. Third Report. By Leon D. Batchelor.

This publication marks the third step in the co-operative study of the Peony, jointly undertaken by the American Peony Society and the Department of Horticulture of the Cornell University Experiment Society, and extending over several years. Two previous publications have been presented, "The Check List," and "The Peony" both prepared by Dr. J. Eliot Coit, and both preliminary to the new publication. The work is an important contribution toward a permanent classification of the Peony. There are 390 variety descriptions, each description covering species, color and form, and synonym when it has been determined, and other important information to authenticate a variety. The publication is sent free to persons residing in New York State, upon request, also to members of the American Peony Society.

The Commercial Definition of a Seedling

Alex. MacLellan's notes relating to what is to be considered a seedling by the U. S. Customs authorities are timely. As he well says, a seedling is always a seedling, no matter what its age and size, or, in his words, "a plant raised from seed and not perpetuated by artificial means, can never be anything but a seedling."

In nurseries the word "seedlings" is well understood to mean something not transplanted, irrespective of height. It is used in connection with stock priced at a lower rate than another, because in the untransplanted stage. In cataloguing stock one would see, say, "Cercis Canadensis 2 ft. (s) $3 per 100; Cercis Canadensis, 2 ft. (tr.) $4 per 100." The "s" stands for seedlings and "tr." for transplanted. Some catalogs are arranged this way, others have seedlings of all kinds by themselves, but in all cases "seedlings" mean the stock is still in seed beds, not transplanted. The whole arrangement is to allow for a better price for the transplanted stock. In this way one may often see 6 ft. trees offered at a lower rate than 3 ft. ones, the latter size representing transplanted stock, and the 6 ft. seedlings.

This arrangement answers well for nursery catalogs, but might not prove practicable for Custom House work.

JOSEPH MEEHAN.

A Pure White Cattleya Gigas

On page 902, issue of May 21, The Florists' Exchange made mention of the fact that Messrs. Lager & Horrell of Summit, N. J., had come into possession of a great acquisition in the Orchid line—a pure white Cattleya gigas. Through the courtesy of the above firm, we are enabled to present this week a photograph of this notable Orchid which was discovered flowering out of a lot of plants imported quite late in the Summer of 1909; hence, this particular plant made only one shoot, from which it flowered this year. Messrs. Lager & Horrell tell us that the flowers are absolutely pure white all over, except the customary yellow in the throat which, in this instance, is quite insignificant and of a greenish-yellow. The company state that, so far as they know, this is the only pure white Cattleya gigas ever found.

Nephrolepis Sport

Home growers are not waiting for Americans to turn out Nephrolepis sports. N. Marshallii, which was first shown last July, is now being rapidly worked up by the great firm of specialists, H. B. May & Sons, and on April 21 they exhibited a large block of this new variety, which is so finely cut that the fronds appear to be a dense mass of moss. These fronds open somewhat shallow, but continue to develop until they are about 1½ in. in depth, the effect being quite extraordinary. In length the fronds average about 1 ft. and curve gracefully. Accompanied by the giant N. Mayii, N. Marshallii makes a display that cannot fail to draw attention.

T. A. WESTON, Eng.

Some Corrections

The British Horticulturists expect to visit the National Flower Show to be held in Boston next Spring, not next month, as we had it on page 902, issue of May 21. Mr. Richard Vincent advises us that probably a fairly representative body of these gentlemen will come over at that time.

Ophioglossum vulgatum, mentioned in our last issue in the Reminiscences of W. R. Smith, we are reminded by Mr. Arthur Herrington is not a terrestrial Orchid but a rather uncommon British fern, known as the "Adder's Tongue Fern."

Obituary

Adin Alexander

Adin Alexander, who was engaged in the florist business for years in Rhode Island, and moved to Los Angeles, Cal., about ten years ago, died suddenly at his home in that city, May 14, of heart trouble. Since living in Los Angeles he had been growing Roses in the open ground very successfully. The product of his garden was always of the best and found a ready sale among the florists.

P. D. B.

Cattleya gigas alba—The New Pure White Orchid
Sepals and petals pure white; lips pure white; throat greenish yellow

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article III—Continued

Large vs. Small Houses

Fig. 24 shows the comparative proportions between two separate, 20 ft. wide, three-quarter span houses with 15 ft. 3 in. between same, and one 55 ft. 3 in. wide house covering the same area.

It will be noticed that although the ridge of the large house is 10 ft. higher than the ridge of the three-quarter span houses, the space required between two wide houses to clear the shadow line is only 9 in. more than required between the two three-quarter span houses, or 16 in., showing a saving of waste ground of about 100 per cent. The total glass surface, measuring from sill to sill, in the three-quarter span houses is 56 ft., and the cubical contents per lin. ft. is 400 ft., thus showing a proportion of cubical contents to glass surface of 7⅛ cu. ft. to 1 sq. ft. of glass; whereas, in the large house the proportion is 11 cu. ft. to 1 sq. ft. of glass.

If the measurement of the surface over the house, in the case of the three-quarter span houses, was made to include everything from the sill on the south side to a point 2 ft. 6 in. above the grade on the north side, the proportion of air to glass would be still further reduced. It will be also noticed that while the bench area is increased nearly 30 per cent. in the wide house, in comparison with the two three-quarter span houses, with the usual method of benching the required heating surface is increased less than 10 per cent. It is very evident, therefore, that in this instance the wide house is much superior to the two narrow houses.

As stated in a previous issue, the general consensus of opinion among growers who have used three-quarter span and even span houses is that they can obtain just as good results from the beds all on the level as when stepped, as was the usual custom in the three-quarter span houses; and with the glass carried down to the same height at the north side as on the south side, so as to give additional light, still better results would be secured. It is, of course, a well known fact that the raised walks necessary cause additional labor in taking care of the plant, a still further argument in favor of the wide even span house in preference to the old type of 20 ft. three-quarter span houses.

Fig. 25 shows two styles of houses 58 ft. wide, one in which the roof is composed of four short span roofs, the distance between the gutters of same being 14 ft. 6 in. While this house is not covered with one single span roof, yet, as the roof covers such a wide area and it is used as all one house it is entitled to the designation of a large house, provided that it has anything like the same cubical contents in proportion to glass surface as is found in a single span large house, taking a house of about 48 ft. wide as a unit of comparison.

The objections urged by those who favor large single span houses against houses of this construction are:

First, that the number of the gutters and ridges necessary causes considerable shadow. To this the reply might be that if iron gutters are used it would make it possible to construct them of small proportions, which would be permissible, with water outlets at frequent intervals to avoid flooding; and if the gutters were placed at a sufficient height to obtain the required cubical contents the shadow from the gutters and ridges would be so slight, owing to the law of diffusion of light, that it is really not a practical objection.

Secondly, the number of columns necessary to support the gutters. To this objection the reply is that it matters not what style of roof is used if it was constructed of all wood, the same as the general construction of the ridge and furrow type, it would be necessary to use the same number of column roof supports as the standard wood roof bar used today requires, a support about every 8 in., and this is all that is required in short span roofs.

Thirdly, the point is raised that the houses are more difficult to heat. This brings up the question of the cubical contents of the house in proportion to glass surface, on which this matter very largely depends.

Ridge and furrow houses have frequently been built in the past with the gutters placed about 7 ft. high, the result being that the cubical contents in proportion to the glass surface is very low, and this has been the main cause of the difficulty of heating such houses in comparison to those of greater cubical contents. But if the gutters are placed at a sufficient elevation to increase the cubical contents, this objection will be overcome.

The house shown in Fig. 25 shows the gutters at an elevation of 12 ft., and this gives a cubical content of 819 ft. per lin. ft. of house. The glass measuring from sill to sill is 86 ft. 3 in., and this gives a proportion of 9½ cu. ft. to 1 sq. ft. of glass. This proportion of cubical contents is the same as that in the 48 ft. house, A, shown in Fig. 23, with the eaves 5 ft. high, but is less than the same size house with the eaves at 6 ft. 9 in., although the proportion is sufficiently large to warrant the house being designated as a large house. The height at which the gutter and ridge is shown is such that the shadow from same would not be a serious difficulty, as the higher such members are placed the less pronounced the shadow becomes, owing, as before stated, to the law of diffusion of light; but the width of gutters should not exceed 6 in., and if the water is removed from same at frequent intervals this width will be ample for the work.

It will be seen by the section that the height of the ridge in this case would be 16 ft. 3 in. and the distance of the ventilators above the beds would be 12 ft. 3½ in. This latter dimension is only about 2 ft. 6 in. lower than in the case of the 48 ft. house with 5 ft. eaves, Fig. 23, which still shows a very fair comparison.

Those who favor this style of house claim that there is a marked difference in the ventilation of a house constructed on these lines in comparison with a single span house, owing to the distribution of the roof ventilation; and where side ventilation is considered desirable there could be a space left between each house of the width shown on section, thereby giving desirable results, as far as these points are concerned, when compared with the single span house. The manufacturers of the short span house claim that the material for same can be furnished at less cost, and also that they can be erected for about 5 per cent. less than a wider house with a single roof. To admit of more careful comparison we have shown, in dotted lines, in Fig. 25, a single roof covering the same ground as the short span roof house.

A single span house of this character should, of course, be constructed with an iron frame; while the roof of the short span house might be composed practically, of all wood, with the exception of the iron gutters. This, no doubt, in a measure accounts for the fact of the cost of the material being somewhat decreased in favor of the short span houses.

The advocates of the short span roofs advance the argument that the combined shading of the ridge, purlins, eaves and roof supports of the large houses is only a small percentage less than the shading occasioned by narrow gutters and ridges used in short even span roofs; and they also claim that where the advantage of the equal distribution of ventilation is taken into consideration, it more than counterbalances the effect of the small amount of additional shadow.

In regard to the shadow of the ridge in the large house, it might be stated that when the sun is at its lowest point in Winter time there is absolutely no shadow inside the house from the ridge in the large house; and, as we have before stated, the greater the height of the various members which cause the shadow the less pronounced this shadow becomes, consequently the small members used in the iron frame house for purlins would, at the height they are necessarily placed in such a house, be almost shadowless, owing to the diffusion of light.

In regard to the matter of the roof supports; a single span house of iron frame construction could be erected with just two roof supports, as shown at B, on both sides, with a tie rod between, the space between the eaves, ridge and column, B, being strengthened according to the general practice in whatever construction might be decided upon, but there is absolutely no necessity for a greater number of column roof supports. It is, therefore, apparent that the arguments, for and against, put forward by those who favor the two different kinds of constructions are pretty well offset one by the other, although there are other points of difference which have not yet been considered.

It will be seen from the section that the height of the ventilators above the beds in the short span house is 12 ft. 3½ in., and in the single span house 19 ft. 3 in., showing a difference of over 50 per cent. in favor of the latter; and if there is any advantage in a large volume of air between the ventilators and the plants, the consensus of opinion being that there is, the advantage in this case is certainly with the single span house.

In the short span roof construction it is usual to place one line of ventilating sash only at each ridge, whereas in a single span house it is the custom to place the ventilating sash on both sides of the ridge. This, of course, would only give 50 per cent. of the number of lines of roof ventilation in the single span house as compared with the short span roof in this instance; but by increasing the size of the sash in the single span house the actual amount of ventilator opening could be made practically the same as in the short span roof. Of course, there would not be the same distribution, but with a volume of air in the single span house and the fact that the general tendency of the ventilation is upwards the experience has been that this has not been a disadvantage.

As before noted, the amount of glass measuring over from sill to sill in the case of the four short span roof houses is 86 ft. 3 in., but in the single span house, covering the same ground, the amount of glass from sill to sill is only 75 ft. 9 in., which is a saving of 12 per cent. in favor of the single span house. It will also be seen from the table of comparison that the cubical contents of the short span roof houses is 819 cu. ft. per lin. ft., and in the case of the single span roof house it is 882 cu. ft., showing a proportion of 9½ cu. ft. to 1 sq. ft. of glass for the houses with the short span roof and 11 2-3 cu. ft. to 1 sq ft. of glass for the single span roof house. As pointed out, the greater the cubical contents in proportion to glass area the easier the house would be heated and the better results obtained, therefore, in this instance also the single span house has the advantage. Of course, it could be claimed that the short span roof houses could be made to have a larger cubical contents in proportion to the glass area by placing gutters higher than 12 ft., but this would still further increase the glass area, which would necessarily add to the expense of the structure.

It is also to be noticed that for the heating of the short span houses to a temperature of 60 degrees, when the outside atmosphere is at zero, will be required 30 lines of 1¼ in. pipe, while the single span house will only require 27 lines. This is due to the less amount of glass and greater cubical contents in the latter.

Comparative proportion per lin. ft of two 20 ft ¾ span houses and one 55-3 house

	Two separate 20' ¾ span houses.		One 55'-3" house with 6'-9" eaves.
Height of ridge	12'-9"		22'-9"
" " lights above bed	8'-9"		18'-6"
Total exposed surface measuring from sill to sill	56'		75'-9"
Cubical contents	400'		814'
Proportion cubical contents to glass surface	7⅛ to 1		11 1/6 to 1
Distance required between houses to clear shadow	15'-3"		16'-0"
Number lines 1¼ steam pipe required to heat to 60 at 0°	23		25
Area of beds Sq. ft.	29'		40'

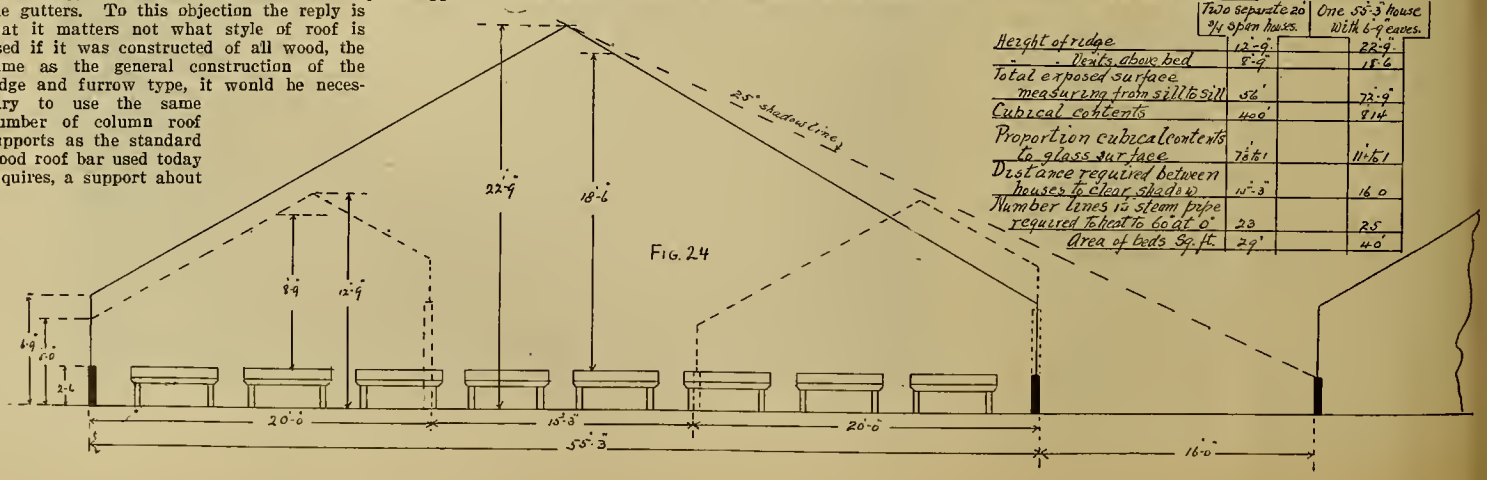


FIG. 24

The Question of Heating in Connection with Orchid Culture

A paper by J. M. W. Kitchen, M. D., read before the N. J. Floricultural Society, May 13, 1910.

Having been asked by your very persuasive treasurer and member of the essay committee to read an essay on Orchids, I will try to do so, although a very busy person about this time. I elect to say something in connection with the management of heating in its relation to Orchid culture, as my mind has been given up to the consideration of this question as the result of having invented a device to cut down fuel expenses in connection with that culture.

Our garden Orchids have largely originated in habitats where great extremes of temperature are almost unknown as compared with the atmospheric conditions of our, so-called, "temperate" zones, which are in fact the quintessence of intemperance, and in which our temperatures may vary over 100° F. during the year, and in which a quick variation of from 30° to 40° in one day is quite a common occurrence.

Inasmuch as we are accustomed to such wide variations in atmospheric conditions, it is somewhat difficult for the beginner in Orchid culture to realize that we must strive to overcome such immoderation of temperatures in handling Orchids. We find it difficult to realize that a difference of only 15° to 20° F. between resting and growing temperatures is usually necessary to procure the best health in orchidaceous plants. Of course, wider variations than that are allowable under certain conditions, but not as a rule, if the best results are to be secured. I am also inclined to think that we get better results if we do not allow great extremes between night and day temperatures. One reason why I think this is that since we have been using the, so-called, Torridoor combustion regulators on our furnaces, we have had better success than before their use. Previous to the use of that device we had a quick and great drop in temperature during the night, and we had to keep up a high temperature in the evening to prevent too low a drop before morning, an evening temperature that was in my opinion 10° to 15° too warm for houses when there is no sunlight. I think, as a rule, we ought to run our temperatures somewhat in harmony with the sunlight acting on the plants, though not entirely so, as in some cases we have very cold as well as dark day conditions. But I think the principle as a rule holds good, and if we put on too much heat for the light we have, we get an unbalanced growth.

I have thought a good deal about the various degrees of heat and light we ought to apply to secure various results, but have not come to very definite conclusions. Many years ago I evolved a soluble blue wash for greenhouses, which, when applied, effected a marked influence on the leaf growth and retarded flowering. The blue pigment, of course, permitted the chemical rays to reach the plant and, more or less, prevented the heat and other rays from reaching them.

In Orchid culture we have to provide means for protecting the plants against too much light and heat, as well as against too much cold, and it is one of the serious expenses of the culture to carry out this requirement. When the sun begins to be bright and hot in January, the plants become faded and yellow; and then we have to begin to shade, as a rule.

As an exception to the rule, there are some varieties which, to do well, have to be given exposure to the full sunlight, and in such cases, when it is possible, it is better to give this exposure in the open air. I presume it is the greater amount of moisture in the air of the enclosed house which makes the influence of strong sun heat have such a burning effect under glass.

Taking everything into consideration, I think a good quality of white lead is the best shading material to use, the same being used by thinning with naphtha or gasoline. With our abundant supply of sunshine, we do not have to be provided with movable shading to the extent that is needed in less sunny Europe. If we start in the middle of January with a thin coating of white lead on the warmest slopes of the houses and follow up the increasing sunlight by increasing applications, we do very well; though sometimes we have to make haste to remove some of the shading when we find the plants are acquiring a spindling growth. We practice the plan of slat shading on most of our houses during the months of the brightest sunshine, placing the slats over the lead shading. The lead gradually wears off between the slats, and then in late Summer, or early Fall, we take off the slats and gradually remove the lead shading. Altogether, it is an expensive undertaking, but there can be no Orchid culture in this climate without it.

I do not think there can be any successful Orchid culture, in this climate, of the cool Orchids, without other protection against heat than mere shading. If I were going into Odontoglossums, I would make some provision for cooling the air in the houses by evaporating water, or cooling air by mechanical compression and then expanding the air in the house, and thus cooling it. This practice I should consider as the very height of cultural achievement; but it is questionable if it would pay in the present state of appreciation of Orchids. At a later date there will be a commercial demand for crispums and other cold Orchid blooms.

In providing for keeping up the heat in Orchid houses we, of course, must have hot water and lots of it. We do not want the high dry temperature of hot air or steam; and we do want a uniform radiation of heat in the houses. Water is the greatest known absorber of heat, and so we need a large amount of moderately heated water continually radiating heat. We cannot afford to run the risks of quick drops in temperature that may result from the use of steam.

It is a nice question to discuss, as to whether steam or hot water is the cheaper system in greenhouse heating. You can get a cheaper installation by using steam; but I think it is a loss in the end, both through the use of more fuel and in attendance in stoking. Of course, we can get up heat quicker with steam, and shut off the burning of fuel and losing heat when the sun comes out; but we fire a lot of heat up the chimney when we pass our heating gases over the hot water in a steam boiler that we do not lose when we have the water in the boiler cooler than the temperature of the gases in the steam boiler.

It is on this account that it pays to have an abundance of radiating surface in our greenhouse piping, using larger bodies of water at lower degrees of temperature, instead of lesser amounts of higher temperatures. If we put a valve on our main flow pipe near our boiler, of the right design, and heat the water to a high degree in the boilers, and then have a slow circulation and radiate most of the heat in the greenhouse, we can get along with less radiation, and save fuel; but in this case, we must have an application of what is called the vertical counter current principle of heat transmission in our boilers. This is a principle that the manufacturers as yet know very little about.

Also, they know very little as to the principles which should control combustion processes in the furnace. Fully one-third of fuel is lost in practice because the combustible gases are not burned in the furnace. This gas needs air to burn it, yet if it is mixed with too much air it will not burn at all, and if air is introduced above the fuel mass, as is ordinarily the case, not only is much of the gas not burned, but some of the heat absorbing surfaces are put out of commission. Some makers get better results by putting no air above the fuel mass; and most makers depend upon a rapid rate of combustion to get heating effects, with very little references to the coal merchant's charges.

The more often fuel is fed to the furnace in moderate amounts, with a thin fuel bed, the better the economy of fuel secured. The fuel bill is an awful thing to consider in connection with the growing of Orchids; but no one should ever attempt to grow these plants unless thoroughly equipped in the heating line, and prepared to meet the expense without a groan. If possible, I would advise growers to have a separate furnace for each house, and in some cases more than one furnace. This is one of the cases where a preliminary outlay pays in the end, both in economy of fuel and in ease of management.

I have offered these few crude remarks more with the idea of starting a discussion than of offering anything new. If there is any particular information I can offer I shall be glad to have it called for.

Lectures to School Children on Gardening

A Detroit note in The Florists' Exchange recently mentioned the good work being done by Geo. A. Rackham through his talks to the school children of that city on gardening matters. This led us to drop a line to that gentleman for further information as to the manner in which he handled the subject.

In his reply Mr. Rackham says that in going before the children he tells them that the profession of a gardener or florist is one of the noblest on earth, and proves it by showing how anyone can plant a seed and produce from it, by proper care and treatment, a perfect plant. This opening remark appeals to the children and holds their earnest attention. Mr. Rackham then tells them how and when to prepare their soil, how and when to plant their seeds, how and when to transplant and thin out their plants and care for them to maturity, and strives to impress upon them particularly the value of thorough cultivation and the necessity for the total eradication of weeds. Mr. Rackham says it is surprising to hear the answers he obtains from the children—as to the depth they should plant their seeds, etc.

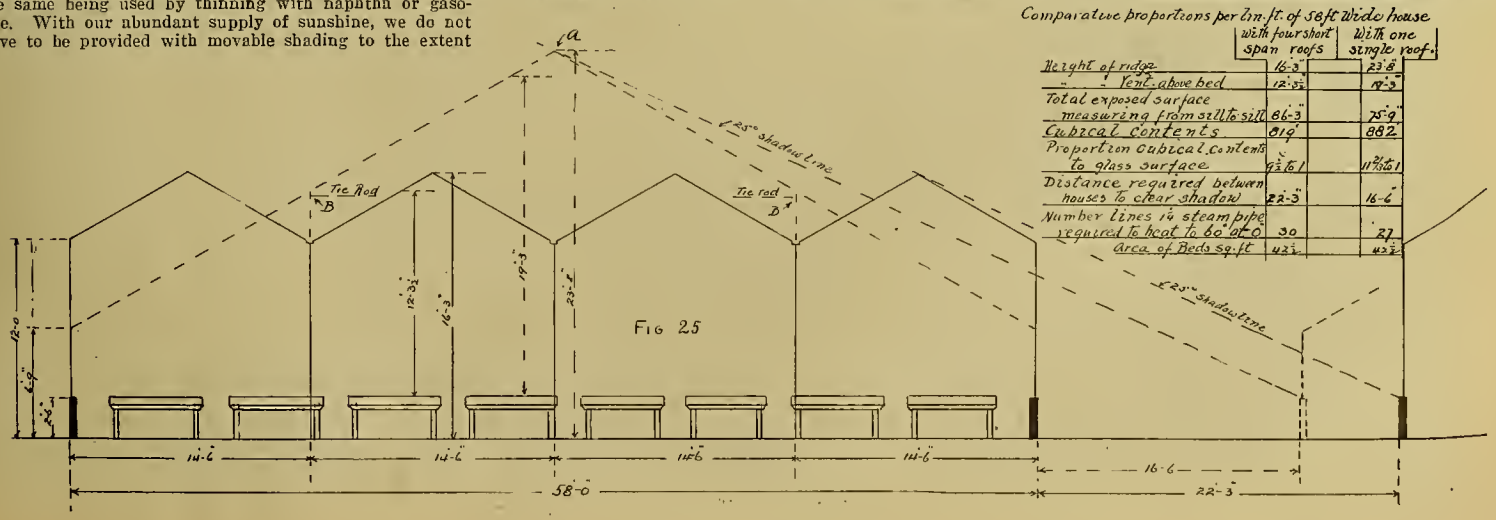
He gives a fifteen or twenty minutes talk on the practical side of gardening and the growing of flowers from seeds. This work is done on behalf of the Home and School Garden Committee of the Twentieth Century Club which is composed of a great number of the society ladies of Detroit. These furnish the seeds at 1c. a package to the children of the schools. The seed is bought at wholesale and the members of the club fill the packages.

Mr. Rackham admits that he was not much interested in the work at first and was almost afraid to undertake the task but, after talking to one or two schools and noting the interest taken, he has grown to love the work and wishes he could devote his entire time to it, for the children seem to hunger and thirst for information, especially those in the schools of the poorer sections of the city, who have to use old soap boxes and tin cans for their gardens.

Mr. Rackham further says that he hopes in time the Board of Education will take up the work.

[We do not advocate the lengthening of the school day hours for the purpose of the propagation of the knowledge of the art of gardening but, judging from experience at various points, we are fully impressed with the fact that Boards of Education throughout the country generally could well dispense with some of the useless fads which now occupy more or less of the children's time, in favor of teaching them the elements of gardening. This would be quite a diversion in the routine of the school work and not a task, and have a far greater influence on the pupils than could possibly be had from several of the studies now pursued which, as a rule, do not lead to anything tangible.—ED.]

THE BOOK OF WATER GARDENING. By Peter Bisset. The only recognized authority on aquatics. Profusely illustrated. Price, postpaid, $2.50. A. T. DELAMARE PTG. & PUB. CO., 2 Duane St., N. Y.



S. A. F. and O. H.

Registration of Fern

Public notice is hereby given that the American Rose & Plant Co. of Springfield, O., offers for registration the Fern described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the Secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

RAISER'S DESCRIPTION: A sport from Nephrolepis Bostoniensis that is a great improvement over that variety, being of the same habit, but of somewhat more vigorous growth. Fronds six to eight inches in width. The edges of each pinna are decidedly ruffled in wave-like undulation that is very distinctive. As the fronds mature the undulations become more pronounced, giving the individual fronds and the plant as a whole a marked wavy effect. Does not run back, the type being fixed.

NAME: "Nephrolepis Roosevelt."

Regiatration of Violet Marie Elise

As no objections have been filed, public notice is hereby given that the registration of the Violet, Marie Elise, by Thomas DeVoy's Son, of Poughkeepsie, N. Y., becomes complete.

May 19, 1910. H. B. DORNER, Secretary.

English Horticultural Notes

The Death of King Edward Though the florists are sure to suffer a considerable loss in trade as a result of the death of the monarch, the loss is not likely to be severe at present, especially when one remembers that no fewer than 2000 wreaths and other floral emblems were assigned by corporate bodies and private personages from all over the world to the funeral of Queen Victoria. These floral emblems, or at least many of them, were of immense size and grandeur, and cost about half as much, each, as some of the house decorations for dinner parties. The actual loss, therefore, in the long run, may not be so great after all. * * * The Temple Show will not be postponed, though some lesser shows have been canceled, notably the fortnightly exhibition of the Royal Horticultural Society, the annual show of the National Tulip Society and the Spring show of the Carnation Society. * * * King Edward's death, of course, has put a damper upon the London "season," and many fixtures of a social character have been indefinitely put off.

The annual dinner in aid of the funds of the Royal Gardeners' Orphan Fund was also to have taken place in one of the big London hotels on the day of the funeral, and after the invitations cards had been sent out the fixture had to be canceled. This will mean a considerable loss, no doubt, to the funds of a very excellent charity. * * * However, the melancholy event of our late beloved Sovereign's decease may have the indirect effect of benefiting horticulture by sending the aristocracy sooner back from London to their country residences and to the quiet enjoyment of their gardens.

Just a personal line or two with regard to King Edward. In his short reign of nine years he had endeared himself to all hearts—one can scarely imagine a single exception, and certainly all the signs go to show that he was indeed beloved. How a monarch wins his way into the hearts of his people is difficult to say. It is a very gradual and inscrutable process—but there it is. Never has the monarchy stood more firmly based on the love and reverence of the people of these islands than it does today, and one may be allowed to say, even to republican and democratic America, that presidencies and shifting heads of republics seem to suffer in comparison with the grandeur, the embodied historical continuity, and the stability of a constitutional monarchy like ours in Great Britain. "Long Live the King!"

Mr. Richard Vincent By a curious and fortunate accident I met Mr. Richard Vincent, Jr., of White Marsh, Md., as he and his good lady were inspecting the beauties of the greenhouse at Kew Gardens recently. It is several years since I first met Mr. and Mrs. Vincent, through an introduction by the late Mr. Alex. Wallace. They came to my London office and I was able to give them some slight assistance in getting to some of our English nurseries, and I afterward ciceroned them through "Royal Kew," and had Strawberries and cream in these spacious gardens. Well do I remember Mr. V.'s delight when his eyes first beheld a bed of the now famous Paul Crampel Geranium, then just introduced; or rather, then just brought into prominence, for Cannell's had had it a long time. Mr. Vincent opened his note book when I saw him a few days ago and showed me a dried pressed, full-sized flower of another English-bred scarlet Geranium, one which ("His Majesty") I had already described in the uptodate columns of the EXCHANGE. More need scarcely be said. If Mr. Vincent has got a stock, as he has, then all is well. He had been out to Mr. Page's nursery (see account of this place in the EXCHANGE, page 782) and had also, as I gathered, been down to Cannell's of Swanley, which is nowadays the great English home of zonal Geraniums. Mr. and Mrs. Vincent both appeared in good health and spirits.

From an unofficial source I learn that the Messrs. Rochford of Broxbourne, are disposing of their collections of Orchids, and do not mean to cultivate them for market from this date.

Our Dahlia Society The National Dahlia Society is raising its wings a little—not actually to soar aloft but to help its steps along. By means of direct circularization, its membership, so the secretary tells me, is improving, and one of the newspapers, the "Journal of Horticulture," gave the movement a lift by publishing recently a brief history of the Society with portraits and notices of some of the leading introducers (issue of April 21). The Society's "Annual Supplement and Conference Report" has just been published. J. HARRISON DICK.

Kokomo Men in Public Eye--No. 6

W. W. COLES.

"The rose looks fair, but fairer we it deem for that sweet odour in it doth live."—Sonnet 2 IV.

From on Exchange

Orchids

Notes from a lecture by E. O. Orpet, before the Gardeners and Florists' Club of Boston, May 17, 1910.

Orchids are vastly different from other plants, and botanists say that there is no true link to connect them with other groups of nearly related plants. They stand distinct from other plants in that they grow in almost all parts of the world, that is, with the exception of places too dry for them. Their geographical distribution is very wide. They seem to inhabit the whole of the cultivated or inhabited earth. There are many places where it is too arid to grow them, but wherever it is possible for any plants to grow there is an Orchid grown. The fact is they grow everywhere, China, Japan, South Africa, Siberia, Australia and the United States. Again, they are widespread, and quite distinct from all other types of flora. Of course, the plants we have here, in the United States, with one exception perhaps, have no commercial value. The exception is Cypripedium spectabile, which, to me, is the most beautiful in the whole genus.

Orchids That Interest Gardeners and Florists

The variety of Orchids that is making most money today for the gardeners and florists is the Cattleya, which comes from Colombia, Brazil, Mexico and Central America; but, practically, all the good Cattleyas grown come from Colombia. I think that perhaps the most important thing in regard to them to emphasize is that *they need no rest.* The Cattleya is either preparing to grow, growing, finishing up, flowering, or recuperating after flowering. There is no resting time. In England they have a climate which is very different from ours. There they have one-tenth the amount of sunshine that we have, and there they emphasize the necessity of keeping plants dry. Now, to keep plants dry here would mean ruin. I find in growing Cattleyas one should never keep them dry; in fact, I never dream of keeping them dry. We have been tied up by English books which direct us to keep Orchids dry a certain portion of the year. The treatment they give them in England would cause complete ruin here.

Temperature

The next thing of importance in Cattleya growing is, perhaps, the matter of temperature. The temperature does not vary in Colombia 10° any day in the year, no extremes at all. Here in this climate there are days when the temperature goes up to 90° and in the Winter below zero. Cattleyas can't be forced. We have plants which have been in our possession for nineteen years. We bought them as flowering plants. We find there is not three days variation in their date of flowering from one year to another. They will flower on a Wednesday of this year and the corresponding day in the year following. It is impossible to force them. There is no reason for raising the temperature. If you do, the plants lack vigor and die. They die exceedingly slow. No other plants die as slowly as the Orchids, but in the end they will die. In the Andes, Cattleyas grow within a zone of 5000 ft., either high or low elevation. They are peculiar in their tastes, and the same is true in regard to temperature.

Robert Grey, late of North Easton, told me one time that he believed more in a hygrometer than a thermometer. I think he was right in this. Of course, the hygrometer is no good if the thermometer goes below the freezing point, but in the Summer, when we have the ventilators open, as we do in the Cattleya houses, then the hygrometer counts. By the way, in regard to atmospheric moisture: the new houses they are building now-a-days will never grow Orchids. I assure you, you will have trouble growing Orchids in modern houses. The old-fashioned range of glass will grow better Orchids. Poor Orchids are often grown because the atmosphere is too arid.

Potting Material

The old gardeners in Massachusetts used to import peat from England, and thought they could not grow an Orchid without this special brand of peat.

It was the worst material ever used for Orchids and is of no value at all in this country. Osmunda fibre is one of the best things to use, and the tide has turned—English firms are buying Osmunda fibre from this country in large quantities. In potting Cattleyas, pots never should be used larger than 7 in.; but for the larger sizes of plants baskets or perforated pans may be used, which allow the plants more air about their roots.

Feeding

Next to potting, I suppose, comes feeding. Years ago, I took particular care to mark the time I had been experimenting with fertilizers. It seemed to me that Orchids were air plants, but they could not live on air or water alone. There was something lacking, as they did not thrive as they should. I experimented with different fertilizers, such as sulphate of ammonia, nitrate of soda, etc. After this they seemed to grow and flower. About that time, or shortly afterwards, May, 1899, Mr. Cookson, a chemist by trade and by choice an expert collector of Orchids, said he had instructed his gardener to take certain chemicals, mix them up, and apply them to certain plants which the gardener was to determine upon. Cookson did not care to know, but later went into the houses and picked out the individual plants on which these fertilizers had been used. The difference was so marked and so evident that it was a surprise to him. The Sphagnum Moss grew so it had to be cut off two or three times each month with shears. I found trouble in procuring chemicals such as phosphate of ammonia. Later, we had no trouble in getting it. When Cookson came out with his formula and said it was the thing to use, I began to use it. Because the plants grow on air, or on the trees, it is not reasonable to suppose that they can subsist on straight water or air. The fact of the matter is, you must feed them. Some get moisture from the pores and some from rain water. We find they must have air, and they must be fed.

We can show this easily; on the plants that are suspended, where the roots hang down two or three feet, you can see little knots or joints on the roots. They are breaks. If you come to figure it out the way I have, you will realize that each joint is the difference between one watering and another. The roots are not specially porous; they are only susceptible at their tips, and for that reason we always water in the evening. Do not water in the morning, because the air will take all of the moisture out before night. Wait until evening, in hot weather, to water. During the night the plants have a chance to absorb the moisture, and to suck up all the water, and if there is something in the water they get benefited through it. In the morning they dry off and the plants go on growing. Some will say that manure water is good for Orchids. No doubt it is. Manure water means water in which some natural manure is dissolved. Strength is an unknown quantity in it. You do not know the strength, that is where harm comes. Chemicals are in a known quantity and you know exactly what you are using. I use 3 lbs. nitrate of potassium and 3 lbs. phosphate of ammonia as a good formula for feeding. There is no reason why an Orchid should not be fed all the year round. I feed them every time I water them.

Some one asked me why I did not begin raising seedlings. He told me the field was a new one, and said, "You have climate, plants and good ability; all you need is to begin." I began, under difficulties. I did not know how to cross Cypripediums and asked how, then had to go back home to figure it out myself. I found it very easy afterwards. First experiments are not successful,

because it is not always a small task to raise plants from seedlings. When they began to come up we did get results in some cases, and they were very interesting.

Nomenclature of Cattleyas

It is very uncertain indeed to talk about a species. The classification of the species of Cattleyas is very uncertain. We have raised some by hybridizing two distinct genera, and this was very interesting, because it proved to us that botanists of the olden times were wrong. They used to claim that hybrids were sterile and that they could not be used over and over again. Hybrids *may* be used again. In the Stud Book there are 30 names to one cross originally raised. One fault with the Stud Book is that it does not give credit to the gardener who raised the plants but to the owners or employers.

Now, as I have previously stated in print, regarding the raising of hybrid Orchids, someone said there was not a hybrid raised that was as good as a species. I am inclined to agree with him. I still believe that the species introduced from the woods are better than any hybrids ever raised; but there is one thing about species coming from the woods, the dates of their flowering are as fixed as the days in the year, but hybrids have a way of growing as they please. There is not a day in the year when we haven't flowers of hybrids. They flower especially well in the Spring and again in the Fall, that is, twice a year, and this, I think, is the chief advantage of hybrids—we can have flowers any day or week of the year. It is easy enough to get Cattleya species to flower in the Winter, but when it comes to August or September it is another proposition. We find that the Orchid hybrids will flower all the time, as they grow. They start to flower in the middle of the Winter and flower when they get around to it. They never seem to die when large, only when very small. I have had them come out so thick that you could not see between each individual seedling, and before we got around to transplant them nine-tenths of them had died off. The time is coming when we shall find that hybrid Orchids will be grown everywhere for all flowering purposes. The woods will be pretty well cleaned out of natural species in Colombia, and we can raise all we want to sell. We shall find in our day—if not, pretty soon afterwards—that we shall be able to raise Cattleyas, in quantities, to flower twice a year.

If you start to hybridize, do not use anything but good material. Procure the very best you can get in the way of good varieties. Do not attempt hybridizing with poor parents. Pollen will travel 1000 miles and still be good.

There is one thing I want to emphasize, and that is: do not keep the Cattleyas warm. Keep them cool, in Winter especially. We have no control over temperature in the Summer, but in the winter time we have. The Carnation house temperature is about ideal for Cattleyas. The temperature for them should be about 50° at night, and the place to grow Cattleyas is in a temperate house.

Discussion

Thomas Butterworth of South Framingham claimed that feeding Orchids with chemicals, or anything else, was wrong. He claimed that he never fed an Orchid in his whole career, and that his plants would compare with any he had seen in any part of the world. In answering him, Mr. Orpet said the three things most essential in Orchid culture to have good success, were brains, hustle, and manure.

W. N. Craig thought Mr. Orpet was altogether wrong about the modern houses, and that he believed Orchids could be grown well in them. He said he was sorry Mr. Orpet had not taken up many more genera of Orchids.

Robert Cameron called Mr. Orpet's attention to the fact that he had not mentioned anything about the influence light had on the growth of the plants. Mr. Orpet took up the subject and talked very interestingly upon it. He said that botanists agreed that all plant growth was made at night. This statement, however, some of the members doubted. R. C.

Ex-President Roosevelt at the Haarlem Jubilee Flower Show

First row from left to right: Mr. Roosevelt, M. Krelage (president of the Bulb Growers' Society), Mr. Beaupré (American Minister at the Hague), Mrs. Roosevelt, Mrs. Beaupré.

The Haarlem Jubilee Flower Show

I arrived in Haarlem May 7 and put in most of my time at the flower show, one of the grandest of its kind ever held; the display of Tulips alone was worth crossing the ocean to see. This was the fiftieth anniversary of the Bulb Growers' Association of Holland and was visited by many people. The growers expect to pay all expenses, which are quite large, as the numerous buildings for the display of flowers and plants, the fencing in of the large grounds (part of the city park) and removing the same after the show is over will cost thousands of dollars. The entrance fee (one-half gilder), about 21c. in our money, seems small.

Many American growers were in Haarlem this Spring visiting the show. It was my pleasure to meet A. N. Pierson of Cromwell during my visit, also A. Colyn of Colyn & Sons, bulb growers of Sassenheim, Holland, who visits the States annually where he is well known.

The Hyacinths were about over, so were most of the Narcissi, but the Tulips were just right, excepting the Darwins and other late flowering sorts, which were just commencing to show color and looked very promising for a grand effect. It surprised me to see so many sorts grown here, all good, while at home we have always about the same varieties. I picked out the very best grown in the grounds, as follows:

Vermilion Brilliant, very fine; Enchantress; Rose Gris de Lin; Golden King, good double yellow; Brilliant Star; The Rising Sun, very good single yellow; Ibis; Leopold I, good yellow; Pink Beauty; Imperator rubrorum; Murillo; Princess Wilhelmina; Duchess Parma; Rose of Holland; Jordaens, very good; Lord Beaconsfield; Princess of Austria; Lady Bozeel, good white; Woverman, very dark purple; Princess Helena, fine white; El Toreador; Jenny, rose pink; Couleur Cardinal; Joost van der Vondel; Purity; Duc de Berlin; Elegans; Pres. Lincoln; Pieneman; Van der Meer; Menelik, very dark; Couronne d'Or; Rose Luizant; Golden Queen; Proserpine; Princess Julianna, fine; Alice Roosevelt.

The Darwin Tulips looked remarkably fine and should be grown more extensively in our country. The variegated foliage type Tulips, very little seen in our country, are very effective planted in groups, and should be used in our public parks and private places, as they are very attractive.

The planting in the grounds was well done, colors harmonizing and bulbs very close, about four inches apart, so that the blooms almost touched. There was a good display of Rhododendrons in the grounds and in the buildings; a few noticeable ones were Prince Camille de Rohan, Mme. Wagner, Fastnosum, fl. pl., Chevalier Felix de Sauvage.

The display of Narcissi must have been very fine, but they were pretty well done excepting Emperor and Poeticus. Anemone fulgens was very nice and very effective in masses. A good collection of Hollies in many varieties, some well berried, Magnolias in bloom, and a variety of other trees and shrubs were noticed. A representative collection of clipped Box and Yews of various shapes was a feature.

In the buildings, protected from the elements, were a great variety of plants and cut flowers, and potted plants of single and double tuberous Begonias with immense rich colored blooms; a new Polyantha Rose, Jessie; fine collection of Geraniums in bloom; very good Hydrangeas with immense heads of flowers; Deutzias gracilis and Lemoinei; Lilacs remarkably fine; pink Spiræas, well-grown plants, the best I ever saw; Hippeastrum, fine large flowers; Begonia Lorraine, not so well done as in America; and numerous others. A mass of Phlox divaricata was very showy.

The cut flower exhibit, in a building by itself, was good, consisting of Iris, Narcissi Tulips, Lilacs, Roses,

Society Ladies of Detroit Selling John Breitmeyer's Sons' Flowers for the Benefit of the Anti-Tuberculosis Crusade—See page 944

a good collection of Hybrid Teas and Perpetual Roses; Carnations, such sorts as we grow, were well done, viz.: Harlowarden, Beacon, Winona, Enchantress, Winsor, White Perfection, Pink Lawson and Fair Maid.

A show of Orchids was a great feature and a good many species were seen, such as Cattleya, Cymbidium, Lycaste, Selenipedium, Renanthera, Dendrobiums, Oncidiums, Vandas and other sorts. Odontoglossum Lady Lucas Boreal, yellow flower, the only true yellow ever exhibited as claimed by the grower, remaining pure yellow, and Renanthera Imschotteana were noticeable. The Orchid exhibitors were E. W. A. Van Nederhassel and G. Muller from Holland. A parasol trimmed very effectively with cut Orchids was very much admired.

The renowned bulb fields of Holland center around Haarlem, and are one vast stretch of intensely impressive color, one might say a brilliant carpet of flowers bordering Haarlem, a scene never to be forgotten. All the villages in the bulb growing district bear witness to the prosperous state of the country and, what is very conspicuous, is the great neatness prevailing everywhere. The buildings and storehouses of the bulb growers are well built and spacious and their homes are very pretty and comfortable. Many thousand acres of land are used for the cultivation of bulbs and the annual exports from Holland is estimated at about five million dollars.

E. C. REINEMAN.

The Visit of Ex-President Roosevelt

Ex-President Roosevelt visited the Jubilee Flower Show on May 1, accompanied by Mrs. Roosevelt, Miss Ethel Roosevelt, Kermit Roosevelt, the American Minister at the Hague and wife, and the Netherlands Minister of Foreign Affairs. The party arrived in autocars from the Hague and were welcomed by a most enthusiastic crowd of many thousands of people. The ex-President happened to be the 100,000th visitor, and he was presented with a silver model of the Half Moon on the occasion. When handing the little ship to Mr. Roosevelt, the president of the General Bulb Growers' Society, Mr. Krelage, addressed him as follows:

"Mr. Roosevelt, do not expect a speech from me; you have come to see the flowers and the best way to show our appreciation of your presence is not to abuse your time for other things. Therefore, allow me just to thank you most sincerely for your visit to our Jubilee Flower Show, but may I be permitted to add a peculiar fact? Just before your arrival 99,999 visitors had passed the gates of the show, and I presume that they wanted to honor you in their own way by enabling you to become just the one-hundred thousandth visitor, a cipher which probably will not very much impress an American citizen, but of which we are rather proud in our little bulbland.

"We are particularly proud and happy that you, Mr. Roosevelt, are the hundred-thousandth visitor as, according to our custom, this fact affords us a welcome opportunity of offering you a souvenir of our show.

"On behalf of the General Bulb Growers' Society of Haarlem, which organizes this Jubilee Flower Show in commemoration of its half-centennary, I beg you to accept the reproduction of one of those ships which may be considered as the symbol of the historic and family relations between old and new Amsterdam, between Holland and America.

"Call it the Half Moon or the Mayflower, just as you like, for nobody exactly knows how they looked, and therefore you may consider this reproduction the most accurate imitation of either.

"Neither the Half Moon nor the Mayflower had any Tulips on board, but in our days 3,500,000 kilograms of Tulips and other Dutch bulbs are yearly shipped to America alone, being not even a fourth part of the whole annual production, and this quantity will still increase if the duty on bulbs in America, which was reduced last year, will be cancelled altogether. And this will be to the profit of the American consumer, to the profit of all American citizens, for it will then be possible to have cheap flowers in every garden just as fine and as plenty as here in our show.

"Flowers are the symbols of love, faith and peace, and as the flowers of Holland are spread all over the world, they will be mighty co-operators, eloquent interpreters and active propagandists of your noble ideas to the benefit of mankind and humanity."

Ex-President Roosevelt replied in a very eloquent speech, saying how delighted he was to be in the land of his ancestors and in the most beautiful garden in the world. It had struck him that the Hollanders, and especially the bulb growers, knew how to combine beauty and commerce and he said that, in this respect, they gave an example to other nations. The ex-President showed himself extraordinarily glad with the silver model of the Half Moon to which he promised to give a prominent place in his house.

The little ship is a real work of art, having been manufactured by the Zaanland Silversmith Works of Amsterdam and Haarlem.

The show was inspected by the Roosevelt party with great interest and a fine pink bulb, named Alice Roosevelt, was an object of admiration. The buildings had all been cleared of visitors so that Mr. Roosevelt could enjoy the extreme beauty of the special temporary show in perfect quietness.

The Retailer

A Unique Design

At a dinner at the Hotel Shelburne, Atlantic City, N. J., recently, given to Charles M. Schwab, the table centerpiece was a reproduction, in flowers, of the famous 24,000-lb. steam hammer of the Bethlehem Steel Works.

A House Wedding Decoration

June, the month of weddings, is now almost here, and the florist is often approached with the following remarks from a prospective bride: "Oh! Mr. Florist! I would like ever so much to have a fine church wedding, but, really, we can't well afford the decorations, so we have decided to hold the ceremony in the house. What idea have you to submit that would be both unique and pretty, and at the same time inexpensive?" In answer to the query I would suggest the following idea for an inexpensive home wedding decoration, having in mind the average parlor 12 ft. high by 14 ft. wide:

First have all the pictures, furniture and bric-a-brac removed and the carpet covered with crash; green crash would be very effective and would harmonize with the decorative scheme.

The Bridal Bower

Then take a wire arch, about 11 ft. high, one-third the width of the room at the base, and place it exactly in the center and in the rear of the room, leaving just enough space behind for the officiating clergyman to stand, with a bank of Palms behind him. Lay a rug lengthwise from the bower out, and place a prie-dieu under the arch, more to the back of it, in order to have the couple stand exactly under it on completion of the ceremony.

Now, bank the background with tall Kentia Palms, on stands, and graduate them to the floor, forming a sort of half circle from the side wall back to the rear, covering the pots and filling the space between with Palmetto leaves and Oak branches stuck in the pots, using both the fresh and prepared Palmetto leaves, so that in case the heat should cause the fresh leaves to wilt the prepared ones will still keep the effect.

Place six aisle posts, three on each side, at equal distances apart, beginning at about a foot from the prie-dieu and extending out from same in a straight line, as shown in the drawing. Drape some cheap broad white ribbon from post to post making a three loop bow on top of each post.

The Bell

Have the wire worker make a bell, 2½ ft. high, 2 ft. wide at the mouth, in two sections; one half, Fig. A, shown in the drawing to be made with the inside solid; the other half, Fig. B in the drawing, to be made hollow so that Rose leaves or Rice can be inserted, as desired. Moss the frame and fill flatly with white Carnations or some other white flower, carrying out the outlines of the bell as clearly as possible. Cover the wire bridal arch rather heavily with Oak foliage and hang the bell, with the solid side to the rear, exactly in the center of the arch. Attach a fine, but strong white cord from the bottom of the hollow side of the bell and pass it through a small pulley, or ring, fastened to the top of the chandelier, back to another ring, or pulley fastened to the picture moulding in the end of the room farthest away from the bower, with the end hanging low enough for a person to pull at the proper time.

Take three nice Kentia Palms, about 5 ft. high, and place them in 2½ ft. basket stands. Decorate them with Palmetto leaves and Oak foliage in such a manner as to permit of their being lifted out of the way to make room for dancing. Place one just inside the door, as shown in sketch, and the other two in opposite corners in the far end of the room from the bower.

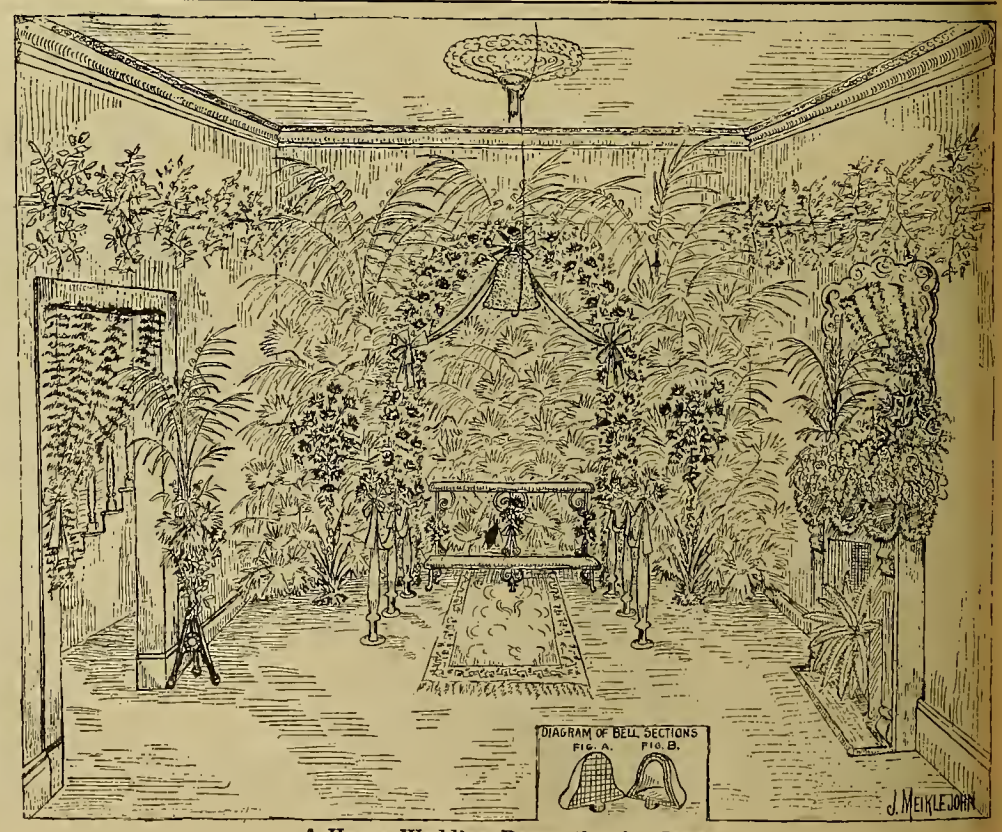
Moss the tops of two 5 ft. standard pot holders, place them on oval baskets, and moss around the base; cover the holders with sprays of Asparagus plumosus and strings of Smilax and place them on either side of the arch a little in the foreground of the bower.

The Mantel

Place a single Kentia Palm, about 3 ft. high, on one side of the mantel, and a good-sized vase on the other, which will be filled later. Bank the entire mantel with medium-sized Farleyense Ferns and place a couple of good-sized Scottii Ferns in the fire place. Hang a few garlands of Smilax round the mantel edge, also drape a few strings of Smilax over the mirror and chandelier.

Now drape some long strings of Asparagus plumosus over the door, in the form of a curtain and tie them with a piece of broad pale pink or white ribbon to the side. Wire some good symmetrical Oak branches to picture hooks, and hang them irregularly along the picture moulding around the entire room. Wire some sprays of Oak foliage to the stair banister in the hall, and you now have the green part of the decoration finished.

Wait until as near to the time of the ceremony as possible with the cut flowers, without being in the way of arriving guests, then fill the arch with good-sized white Peonies, and make six bunches of the same colored flowers, four or five flowers to the bunch, and fasten a bunch on each aisle post. Now fill the two standard pot holders on each side of the bower with a darker shade of pink Peonies, sticking them in the moss in the top part; also stick some good-sized stalks of pink Gladioli in the moss at the base. Tie three or four specimen Peonies to the uprights of the prie-dieu; fill the vase on the mantel with good-sized pink Peonies; fill the hollow space inside the bell with Rose petals or Rice; catch be-



A House Wedding Decoration for June

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — **ALBANY, N. Y.** **11 North Pearl Street**
Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — **Leading Florist** **AMSTERDAM, N. Y.** **SCHENECTADY, N. Y.** Estab. 1877

Atlanta Floral Co. — **ATLANTA, GEORGIA** **41 Peachtree Street**
We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** **124 Tremont Street**
We cover all New England points. Retail orders placed with us receive careful attetion. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** **24 Tremont Street**
Orders by wire receive prompt and careful execution. We can refer to leading florists in all principel cities. Established 1870.

Zinn the Florist — **BOSTON, MASS.** **No. 1, Park St. No. 2 Beacon St.**
Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Robt. G. Wilson — **BROOKLYN, N. Y.** **Fulton St. and Greene Ave**
Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — **BUFFALO, N. Y.**
W. J. PALMER & SON. 304 Main St.

JULIUS BAER, **CINCINNATI, O.** **Fourth St.**

Frank F. Crump — **COLORADO SPRINGS, COLO.** **Retail Florist**
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co — **CONNECTICUT** **New Haven**
1026 Chapel St., Opposite Yale College
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. G. Matthews — **DAYTON, OHIO** **Florist, 16 West Third Street**
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

The Park Floral Co. — **DENVER, COLORADO** **1706 Broadway**
J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

forehand about seven or eight butterflies and put them also in the bell. At the proper time a person standing at the far end of the room by pulling the cord opens the bell, releases the butterflies and showers the bride and groom with either rice or Rose petals.

Place some stalks of white or pale pink Gladioli in the small Palm on the mantel and also in the Palms in the basket stands at the door and two corners, and you have the decoration finished. Finally, leave instructions to have the room kept dark and as cool as possible until time for the ceremony. JAS. MEIKLEJOHN.

Some Boston Window Displays

The retail stores are quite busy booking advance orders for Memorial Day and their windows and are quite attractive at this time.

Galvin's store on Tremont st. has a very pretty display, tastefully arranged. The display includes a grand showing of Cattleyas Mossiæ and Mendelii. At the Back Bay store they display outside the windows and conservatory a large quantity of splendidly grown Bay trees for which there is quite a demand this season. Inside they show handsome Araucarias, colored Dracænas, and other things.

Wax Brothers on Tremont st. carry a very high grade of goods and make a grand display in their windows. A large bunch of Roman Anemone was seen; and the beautiful blue Daisy Agathæa cœlestis, a charming, star-shaped flower, of most exquisite blue color. A basket of Orchids, mostly Cattleyas, very cleverly arranged, occupied the center of the window. A vase of Bouvardia Humboldtii and the Dahlia Jack Rose were also prominent. Trollius Asiaticus, with its globular, yellow, buttercup-shaped flowers, was noticeable, and a very large vase of American Beauty Roses filled the corner of the window. Tulip Bouton d'Or made a pleasing companion to the Trollius, and for a ground work to the whole setting was used blue Forget-me-nots.

Newman has a fine display of wreaths in one window, and in the other is nicely displayed many varieties of cut flowers, including Cattleyas. Outside the door are displayed such plants as Geraniums, Pansies, Forget-me-nots, Daisies and such like for Memorial Day patrons.

At MacMulkin's, on Boylston st., the most attractive thing in the window was a large plant of Stephanotis floribunda, which had a good showing of its waxy, fragrant flowers.

William Doyle's window carries a very light, graceful arrangement. There is not as much material as in some of the other displays, but it does not require many plants to make an artistic arrangement when they are placed properly. Cattleyas and seasonable flowers are used with telling effect. There is, in addition to the plants and flowers, a display of English gathering baskets for which large sales are reported.

Carbone has two windows in his store on Boylston st. One of them displays an Italian garden effect, which is very cleverly arranged. The background is tastefully made up of Box trees, in pyramidal and other forms, interspersed with purple Japanese Maples. In front of these is a large marble seat, and near it, in crevices of rocks, are placed cleverly small plants of Bird's-nest Fern (Asplenium Nidus). A little in front of the seat is a small pool, hewn out of a marble rock, and around it are several small birds relieving their thirst from its cool contents. Little baskets of Forget-me-nots and Bluets, with a plant of yellow Calceolaria and Globe flowers show up and brighten the scene delightfully. In the other window there is displayed artistically a line of general cut flower stock. Inside the store is a dinner table tastefully arranged with yellow Marguerites.

Sydney Hoffman shows a large assortment of wreaths, devoting a whole window to them.

Zinn on Park st. has always a good display. The principal thing to be seen this week are large vases of Gladioli, Cornflower, Spencer Sweet Peas, Baskets of Orchids, Forget-me-nots and other seasonable flowers. R. C.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Deutschland	M'y 28	9.00 am.	1st St., Hoboken	Hamburg
Minnetonka	" 28	9.30 am.	W. 16th St., N. Y.	London
St. Paul	" 28	10.00 am.	W. 23rd St., N. Y.	Southampton
Carmania	" 28	10.00 am.	W. 14th St., N. Y.	Liverpool
Columbia	" 28	10.00 am.	W. 24th St., N. Y.	Glasgow
Barbarossa	" 28	11.00 am.	3rd St., Hoboken	Naples-Genoa
Cedric	" 28	12.00 m.	W. 21st St., N. Y.	Liverpool
Duca d' Aosta	" 28	12.00 m.	W. 34th St., N. Y.	Naples-Genoa
Chicago	" 28	3.00 pm.	W. 15th St., N. Y.	Havre
Niagara	" 28	3.00 pm.	W. 44th St., N. Y.	Havre
Kroonland	" 31	9.00 am.	W. 18th St., N. Y.	Antwerp
Kronpr. Wilhelm	" 31	10.00 am.	3rd St., Hoboken	Bremen
Ryndam	" 31	10.00 am.	5th St., Hoboken	Rotterdam
Moltke	" 31	11.00 am.	1st St., Hoboken	Gib-Nap-G'n'a
Mondoza	" 31		Bush Dks. Bklyn	Naples-Genoa
Mauretania	June 1	9.00 am.	W. 14th St., N. Y.	Liverpool
Adriatic	" 1	12.00 m.	W. 21st St., N. Y.	Southampton
Pres. Lincoln	" 1	12.00 m.	1st St., Hoboken	Hamburg
Birma	" 1		Bush Dks. Bklyn	Rotdam-Libau
La Lorraine	" 2	10.00 am.	W. 15th St., N. Y.	Havre
Prinzess Alice	" 2	10.00 am.	3rd St., Hoboken	Bremen
Pannonia	" 2	12.00 m.	W. 14th St., N. Y.	Gib-Nap-Tr'ste
Oceanic	" 2	1.00 pm.	1st St., Hoboken	Hamburg
Calabria	" 3		U'n Stores, Bkl'n	Naples
Amerika	" 4	9.00 am.	1st St., Hoboken	Hamburg
Arabic	" 4	9.00 am.	W. 21st St., N. Y.	Liverpool
Mesaba	" 4	9.00 am.	W. 16th St., N. Y.	London
Philadelphia	" 4	10.00 am.	W. 23rd St., N. Y.	Southampton
Berlin	" 4	11.00 am.	3rd St., Hoboken	Gib-Nap-G'n'o
Finland	" 4	11.00 am	W. 18th St., N. Y.	Antwerp
Caledonia	" 4	3.00 pm.	W. 24th St., N. Y.	Glasgow
St. Laurent	" 4	3.00 pm.	W. 44th St., N. Y.	Bord'x-Dunk'k
Madonna	" 4		Pier 33, Bklyn	Naples-Mars.
Antonio Lopez	" 5		Pier 8, E. River	Cadiz Barcel'a Genoa-Naples
Ka. Wilhelm II	" 7	10.00 am.	3rd St., Hoboken	Bremen
Potsdam	" 7	10.00 am.	5th St., Hoboken	Rotterdam
Europa	" 7	12.00 m.	W. 34th St., N. Y.	Naples-Genoa
Athinai	" 7			Naples Piraeus Smyrna
Lusitania	" 8	9.00 am.	W. 14th St., N. Y.	Liverpool
Teutonic	" 8	9.30 am.	W. 21st St., N. Y.	Southampton
Pres. Grant	" 8	10.00 am.	1st St., Hoboken	Hamburg
Alice	" 8	1.00 pm.	Bush Dks. Bklyn	Naples Patras Venice-Trieste
La Savoie	" 9	10.00 am.	W. 15th St., N. Y.	Havre
Geo. Washington	" 9	10.00 am.	3rd St., Hoboken	Bremen
Re d' Italia	" 9	12.00 m.	Gr'nd St., Jer. Cy	Naples-Genoa
Oscar II	" 9	2.00 pm.	17th St. Hoboken	Copenhagen
Campania	" 9		Pier 38, Bklyn	Rotterdam
From Boston				
Parisian	June 1	12.00 m.	Mystic Whf. Char	Glasgow
Ivernia	" 7	9.30 am.	B&A Dks, E. Bos	Liverpool
Devonian	" 8		Clyde St., E. Bos	Liverpool
Cambrian	" 10			London
Canopic	" 11	1.30 pm.	B & M Dks. Char	Gib-Nap-G'n'a
Philadelphia				
Marion	M'y 28	10.00 am.	53 So. Wharves	Liverpool
Siberian	" 28		24 No. Wharves	Glasgow
Ancona	" 31		80 So. Wharves	Naples-Genoa
Friesland	June 4	10.00 am.	53 So. Wharves	Liverpool
Manitou	" 10	10.00 am.	55 So. Wharves	Antwerp
Mongolian	" 11		24 No. Wharves	Glasgow
San Francisco				
Tenyo Maru	M'y 31	1.00 pm.	1st Street	Honolulu
Korea	June 7	1.00 pm.	1st Street	Japan
Nippon Maru	" 21	1.00 pm.	1st Street	China

John Breitmeyer's Sons — **DETROIT, MICH.** **Broadway and Gratiot Ave.**
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — **INDIANAPOLIS, IND.** **241 Massachusetts Ave.**
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — **JACKSONVILLE, FLA.** **20 Laura St.**
We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — **KANSAS CITY, MO.** **1017 Broadway**
I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — **LOUISVILLE, KY.** **644 Fourth Avenue**
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA** **855 St. Catherine St., West**
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Alex. McConnell — **NEW YORK** **571 Fifth Avenue**
American and European Correspondence.

Young & Nugent — **NEW YORK** **42 West 28th Street**
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** **25 Clinton Avenue, North**
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark Florist — **SCRANTON, PA.** **122 and 124 Washington Ave**
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** **20-22-24 West Fifth Street**
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see pages 960, 961

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By Rose Grower on commercial or private place. Address, Q. H., care The Florists' Exchange.

SITUATION WANTED—By a Rose Grower with twenty years' experience. Address, Q. D., care The Florists' Exchange.

SITUATION WANTED—By young man as assistant gardener on private place, to begin June 19. Address, Box 504, East Lansing, Mich.

SITUATION WANTED—By competent Rose Grower as manager of wholesale place. Good experience. References exchanged. Address, P. C., care The Florists' Exchange.

SITUATION WANTED—By a gardener and florist, 24, single, who is well acquainted with any branch of the business, on a private place. Address, Tony Rat, Box 52, Glen Cove, N. Y.

SITUATION WANTED—By experienced Rose and Carnation Grower, single; advertiser has some experience in pot-grown flowers. Address "Rosegrower," General Delivery, Post Office, Bridgeport, Conn.

SITUATION WANTED—By Rose Grower, 35, single, with 15 years' experience in the Rose business; 10 years at the present place; good wages expected. Good work guaranteed. Address, Q. E., care The Florists' Exchange.

SITUATION WANTED—By gardener and florist, 32, single, on commercial or private place; understands growing of Roses, Carnations, 'Mums and bedding plants. Please state wages and full particulars in first letter. Address, "Gardener," 145 E. 27th st., N. Y. City.

SITUATION WANTED—By all-round gardener; good grower of Vegetables and flowers under glass and outdoors; can also use tools to good advantage. German, 45 years of age, single, best of references. Address, "Gardener," 216 East 79th st., New York City.

SITUATION WANTED—By a florist capable of taking charge of greenhouse plants; also first-class designer and decorator with 15 years' experience. Best of references. Please state wages and full particulars in first letter. Address, Q. F., care The Florists' Exchange.

A RELIABLE FOREMAN

Wants a position where foreman of ability is appreciated and where full charge is given; only permanent position expected. Advertiser has 20 years' all-around experience, and is a good grower of Roses, Carnations, decorative stock, bedding stock, nursery stock; also understands landscape work, etc. Familiar with greenhouse building, pipe fitting, steam and hot water heating. References. Total abstainer. State wages or salary and commission. Address, "Horticulturist," Box 97, Jersey City, N. J.

HELP WANTED

WANTED—Two competent men for general greenhouse work. Apply at once.
A. L. Miller,
Jamaica opp. Schenck ave., Brooklyn, N. Y.

WANTED AT ONCE—Rose Grower to take charge of section. Wages $12.00 per week with room; single man preferred. Address Stockton & Howe, Princeton, N. J.

WANTED—Young married man to work in greenhouses, good steady position; 6 rooms and $12.00 per week to start. Address, K. E. Kaulback, Berlin, N. Y.

WANTED—A competent grower of American Beauty Roses; must be sober, single and have best of references; good wages to the right man. Address, with particulars, A. A. Macdonald, Duke's Farms, Somerville, N. J.

WANTED AT ONCE.
Carnation and Rose Grower who can take full charge of 10,000 ft. of glass. Married man preferred; must be strictly temperate. Apply with references to W. D. Snell, Herkimer, N. Y.

HELP WANTED

WANTED—Good grower, capable of handling men, to take full charge of Florist department and invest above $1000.00 as partner, or member, in one of the fastest growing florist and landscape businesses in wealthiest section of the country. Address, O. B., care The Florists' Exchange.

WANTED—Thoroughly experienced man to take charge of plant department. Must understand growing of pot plants for Christmas, Easter and Memorial Day. Apply with references. Married man preferred. Address, N. E., care The Florists' Exchange.

WANTED AT ONCE.
Thoroughly competent man on up-to-date place of 32,000 sq. ft. of glass, where Carnations, Roses, 'Mums, bedding stock and a general stock are grown. Send references and wages wanted, with inquiry. Aug. von Boeselager, Mt. Clemens, Mich.

WANTED—An experienced nurseryman to take charge of our retail department; one who has had long experience in the business, knowing the value of trees, and a good salesman. A good position is open for the right man. The Elizabeth Nursery Co., Elizabeth, N. J.

WANTED—An experienced foreman, capable of handling men for under glass and outdoor work; one with some nursery experience preferred. An up-to-date man who is thoroughly acquainted with under glass work is wanted for a general retail place where cut flowers and potted plants are grown; none but experienced men need apply; a good position for the right party. Address, Q. I., care The Florists' Exchange.

ASSISTANT GARDENER WANTED

WANTED—A young man capable of putting out bedding plants, caring for flower beds and making himself generally useful about flower and vegetable garden as assistant gardener on a private place; must have some experience in greenhouse work. Permanent position with $35.00 a month and board, to a good man, who is quick and neat about his work. No others need apply. Apply by letter, stating references, to H. B. McCollum, 100 Maryland ave., Wilmington, Del.

SEEDSMAN WANTED

WANTED—A man of experience as a Seedsman. A technical and practical knowledge required, and a good administrative ability is an absolute essential. Application with recommendation of late employer may be addressed to **Q. A., care The Florists' Exchange.**

STOCK FOR SALE

CHRYSANTHEMUMS.

GLORIA—100, $2.50; Pres. Taft, Mrs. W. E. Kelley, 100, $3.00; Golden Glow, Pacific Supreme, White Cloud, 100, $1.25; R. C. prepaid; Gloria, 2½-in., $3.00. Chas. Frost, Kenilworth, N. J.

CHRYSANTHEMUMS, transplanted cuttings, Estelle, Pacific, Oct. Frost, Halliday, Bonnaffon, Maud Dean and other varieties, $1.26 per 100, $12.00 per 1000. Baylis & Sons, West Grove, Pa.

CRYSANTHEMUMS, extra strong rooted cuttings, guaranteed.

J. K. Shaw	Dr. Enguehard
Adella	White Bennaffon
Maj. Bonnaffon	Jeanne Nonin

$1.50 per 100, $12.00 per 1000.
A. W. HIGGINS, WESTFIELD, MASS.

CHRYSANTHEMUMS
Clementine Touset, Plants, $3.00 per 100, $25.00 per 1000; Rooted Cuttings, $2.00 per 100, $17.50 per 1000. Ivory, Monrovia, October Frost, Pacific Supreme, A. J. Balfour, Tim Eaton, White Cloud, Jeanne Rosette, Maud Dean, Yanoma, Plants, $3.00 per 100, $25.00 per 1000; Rooted Cuttings, $2.50 per 100, $20.00 per 1000. Col. D. Appleton, Crocus, Major Bonnaffon, Mlle. Jeanne Nonin, Plants, $3.00 per 100, $25.00 per 1000; Rooted Cutings, $2.00 per 100, $15.00 per 1000. Gloria, Pres. Roosevelt, Golden Eagle, Intensity, Nagoya, Plants, $4.00 per 100, $30.00 per 1000; Rooted Cutings, $3.00 per 100, $25.00 per 1000. Indiana, Mrs. W. E. Kelley, Plants, $4.00 per 100, $30.00 per 1000; Rooted Cuttings, $3.00 per 100, $25.00 per 1000. Pres. Taft, Plants, $10.00 per 100; Rooted Cutings, $8.00 per 100. Special fine lot of Anemones, Pompons and Singles from pots, list of varieties on application, our selection, $3.00 per 100, $25.00 per 1000. Elmer D. Smith & Co., Adrian, Mich.

GERANIUMS

GERANIUMS—Nutt, Viaud, Buchner, Grant, 4-in. plants, $26.00 for the lot of 500. L. J. Smith, 156 S. Centre st., Merchantville, N. J.

3500 GERANIUMS—Nutt, Double Grant, Double Light Pink, Double White, 3½-in. pots in bud and bloom, $5.00 per 100; in 4-in. pots, very bushy, 8c. Mme. Salleroi, 2½-in. pots, as large as ordinary 3-in. stock, 3c.
Arthur Cornelis, Somerville, N. J.

S. A. NUTT GERANIUMS, 4-in. pots, $7.00 per 100.
Mrs. E. G. Hill, 4-in. pots, $7.00 per 100.
John Doyle, 4-in. pots, $7.00 per 100.
Salvia, 2½-in. pots, $3.00 per 100.
Verbenas, 2½-in. pots, $2.00 per 100.
All above plants are in bud or bloom; fine and healthy stock. A. Laub & Son, Hughsonville, N. Y.

STOCK FOR SALE

NURSERY STOCK

CLEMATIS PANICULATA
Splendid stock for lining out in field, $6.00 per 1000. 10 samples by mail 10c.
The Elm City Nursery Co., New Haven, Connecticut.

ROSES

ROSES, STRONG, CLEAN STOCK
Own root: Bride, Bridesmaid, Chatenay, Golden Gate, Pink Killarney, Kaiserin and Perle, $6.00 per 100; Grafted White Killarney, $14.00 per 100. P. R. Quinlan, Syracuse, N. Y.

STOCK FOR SALE—1000 Pink Killarney and 500 Richmond, 7 cents each; 2000 Maid plants, 6 cents each; 400 one year old Gardenia plants, 25 cents each; all fine plants in 4 in. pots; also 10 second-hand 4-in. hot water valves at $2.50 each.
Brant-Hentz Flower Co., Madison, N. J.

ROSES

From 2¼ in. pots, fine stock. The following varieties at $2.00 per hundred, $25.00 per thousand. 25 plants of a kind at the hundred rate, 250 at the thousand rate.

Agrippina	Bride
Bridesmaid	Bon Silene
Clotbilde Soupert	Coquette de Lyon
Catherine Mermet	Crimson Rambler
Golden Gate	Mrs. Ben R. Cant
Mme. Abel Chatenay	Mme. Joseph Schwartz
Mlle. F. Kruger	Safrano
White Bougere	

The following varieties at $3.00 per hundred, $27.50 per thousand.

Antoine Revoire	Climbing Kaiserin
Cl. Meteor	Cl. Malmaison
Etoile de Lyon	Gruss an Teplitz
Helen Gould	Hermosa
La France	Maman Cochet
Mme. de Watteville	Mme. Welche
Pink Cochet	Papa Gontier
Souv. de la Malmaison	White Cochet

The following at prices named:

	Per 100
Blumenschmidt	$3.00
Climbing Killarney	4.00
Cl. Perle des Jardins	3.00
Dinsmore	3.00
Helen Good	3.00
Kaiserin Augusta Victoria	3.00
Killarney	3.50
Margaret Dickson	3.50
Mrs. John Laing	3.50
Mme. Masson	3.00
Mme. Chas. Wood	3.00
Marechal Neil	3.00
Perle des Jardins	3.00
Rhea Reid	3.50
Souv. du Pres. Carnot	3.00
Wellesley	3.00
Wm. R. Smith	3.00

The Good & Reese Co., Springfield, Ohio. Largest Rose Growers in the World.

SMILAX.

SMILAX—Strong seedlings, 40c. per 100, $3.50 per 1000. Cash please.
Wm. Livesey, 6 McCabe st., New Bedford, Mass.

SMILAX
for June or July delivery, $12.50 per thousand; fine plants. Geraniums and Salvias all sold. P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

SMILAX, one year, 35c. per 100; $3.00 per 1000; older roots, every one of which will give you a fine string of smilax the coming season, $3.00 per 100; $15.00 per 1000. Park Hill Floral Co., Hemet, Cal.

VEGETABLE PLANTS

PRIZETAKER ONION SEEDLINGS, for transplanting, strong and vigorous, $1.00 per 1000. Stevia $1.00 per 100. Henry Holzapfel, Jr., Hagerstown, Md.

MISCELLANEOUS

LEMON VERBENA, Heliotrope, Stevia and Feverfew, R. C., 75c. per 100, prepaid. Chas. Frost, Kenilworth, N. J.

IVY
English Ivy, 2-in. pots, $2.00 per hundred. Henry Engler, 4661 Lancaster ave., Philadelphia, Pa.

STOCK FOR SALE—Ivies, very strong, 4 to 5 feet. Euonymus, 4-in. pots; write for prices. Herman Maenner, Collins ave., Maspeth, N. Y.

STOCK FOR SALE—40,000 Verbena plants in bud and bloom, $20.00 per 1000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

SALVIA SPLENDENS—A few thousand, from 8 to 12 inches high, at $25.00 per 1000.
Bay View Greenhouses, Flatbush ave., Brooklyn, N. Y.

HARDY and TENDER NYMPHÆAS, all classes. Choice assortment of aquatic plants, Eulalias, etc. Price on application. Edw. S. Schmid, 712 12th st., N. W., Washington, D. C.

ASPARAGUS SPRENGERI, 2-in., $2.00 per 100; 3-in., $4.50 per 100. Asparagus Plumosus, 3-in., $5.00 per 100; strong plants. Cash please. J. S. Pfeuffer, Chester Heights, Pa.

ASPARAGUS SPRENGERI
2¼ in. pots, fine stock, $2.26 per hundred, $20.00 per thousand.
The Good & Reese Co., Springfield, Ohio. Largest Rose Growers in the World.

STOCK FOR SALE

MISCELLANEOUS

STOCK FOR SALE—Double Lobelia, 2-in., $2.00 per 100. Salvia, Zurich, rooted cuttings, 75c. per 100, $6.00 per 1000; 2-in., $1.50 per 100; S. A. Nutt, 2-in., $2.00 per 100. F. A. Ezold, Haddam, Conn.

CARNATIONS
From flats, $3.00 per 100; Enchantress, Winsor, Splendor, Dorothy Gordon, 3-in. pots, 12c. Healthy stock. Cash with order.
James Macfarlane,
Staatsburg-on-Hudson, N. Y.

BEGONIA Lorraine and Agatha—2½-in., twice transplanted, $12.00 per 100; in 500 lots, $60.00 per 500.
Box Trees, all sizes. Ask for special list.
Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. Y.

FERNS

Ferns in flats, ready for immediate delivery, separate varieties; Pteris adiantoides, P. magnifica, P. Mayii, P. Wilsonii, P. Wimsetti, Aspidium Tsussimense, and Cyrtomium Falcatum.

KESSLER BROS.
50 West 28th Street, NEW YORK
Please mention the Exchange when writing.

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in Plants, Bulbs or Nursery Stock.

WANTED—Chrysanthemums, American Novelties from 1908 to date. Send prices. Address, Q. C., care The Florists' Exchange.

WANTED—Latania Borbonica, 3½ to 5 feet tall; also Hydrangea Otaksa, in half barrels or butter tubs. N. A. Corlin, Elberon, N. J.

SUNDRIES FOR SALE

FOR SALE—No. 5 Kroeschell hot water boiler, will heat 12,000 feet of glass. Boiler 4 years old and good as new. 1 Furman hot water boiler No. 8, in good condition. Come and see them working. L. Cousins, Jr., Concord Junction, Mass.

FOR SALE—Modern greenhouse, 22x80, with propagating house, 6x80, attached, Hitchings all iron construction, complete, cheap; also 25,000 feet 1¼, 1½, 2 and 3 in., wrought pipe; 1,000 feet Vent. Apparatus; 2 No. 17 Hitchings and 3 sectional cast boilers; 50 boxes 10x14 and 50 boxes 16x24 double thick glass; 300 boxes 10x12 double thick glass in big lots at $1.55 per box. Sash bars, etc. Suessermann, 229 Livingston st., Newark, N. J.

FLORIST WAGON FOR SALE

ONE CLOSED WAGON, $125.00

In the very best of condition. Write for particulars to

S. S. PENNOCK-MEEHAN CO.
1608 Ludlow St., PHILADELPHIA, PA.
Please mention the Exchange when writing.

MISCELLANEOUS WANTS

WANTED TO BUY—Retail place after leasing it for a while. State rent or on shares. Box 97, Jersey City, N. J.

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

BUSINESS CONNECTION DESIRED
A landscape gardener, talented and well acquainted with everything horticultural wants to come in connection with a large Nursery or other establishment. Address, P. B., care The Florists' Exchange.

Plant Culture

By Geo. W. Oliver, Propagator to the Bureau of Plant Industry, U. S. Department of Agriculture.

Printed on enamelled paper and illustrated with one hundred plates and engravings. Strongly bound, 12 mo., cloth. By mail postpaid, $1.50.

Every florist, nurseryman and grower will find Plant Culture the most useful assistant in his office. Order a copy of the book now, or send for free sample pages.

A. T. DE LA MARE PTG. & PUB. CO., Ltd.
NOS. 2 TO 8 DUANE ST., N. Y.

FOR SALE OR RENT

FOR SALE—4 greenhouses 10,000 feet of glass; all stocked, over ½ acre of ground, 6-room cottage. Address, Mrs. Geo. A. Relyea, Orchard place, Poughkeepsie, N. Y.

FOR RENT—27,000 ft. of glass in good condition and 8 acres of land, near Pittsburgh, Pa. Write at once if you mean business. Address, Q. B., care The Florists' Exchange.

FOR SALE—Retail florist store in New England, doing nice business; bright prospects for live man to grow. Owner has other duties to attend to. Come quick, low figure for cash. Address, Q. G., care The Florists' Exchange.

FOR SALE—An established greenhouse, doing a profitable business, consisting of one house, 60x26, one 60x17, and 14 frames, 1 lath house, 60x20, well stocked; also rolling stock; bargain for cash. Apply J. L. Towner, 206 North Paca st., Baltimore, Md.

FOR SALE—Greenhouse property of 10,000 ft. of glass. A 1 condition. Steam heating, electric light; the same is stocked with Roses, Carnations and bedding plants. The reason for selling: I have two establishments and must dispose of one. Inquire of W. D. Snell, Herkimer, N. Y.

FOR SALE
A modern uptodate place in first-class condition, situated in Elmhurst; about 20,000 square feet of glass, 2 acres of land, modern cottage of 8 rooms, bath with all improvements, barn, 2 horses, 1 cow, wagons, etc. This place is fully stocked in first-class running order. Come and see it. Cause for selling; death in family.
Chas. Lustgarten,
Trotting Course Lane, Elmhurst, N. Y.

BUSINESS OPPORTUNITY PACIFIC COAST

Controlling interest may be acquired in old established Florist and Nursery Business. Splendid properties, 25,000 feet of glass, 20,000 feet of new modern, best construction. Town 15,000, with large cities nearby. Property is well stocked, with all buildings in first-class condition; doing a very profitable business, which can be increased to any extent. Splendid reputation and no embarrassment of any kind. Address for particulars,

P. G., care The Florists' Exchange, New York City

Opportunity of a Lifetime

FOR SALE — A well-established, money-making, up-to-date, wholesale commission company, in Denver, Colo.; dealing in cut flowers and florist supplies; no competition; only small amount of cash required. Address communications to

N. A. BENSON
1360 So. Sherman St., DENVER, COLO.

Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.
15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.
25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.
All the above pipe are guaranteed to be in good condition, free from holes or splits.
All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Reebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

THE FLORISTS' EXCHANGE

The Florists' Exchange is exclusively a Trade Paper. Prices at which stock is offered in these columns are intended for the Trade only.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 3½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 600 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 2 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 86c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.66. Glazed with 10 x 12 double thick glass at $1.86. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.36.

PANSY AND FLOWER BOXES All sizes. Send for prices.

CARNATION SUPPORTS About 10,000 at $4.00 per 1000.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x16 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

We Pay The Freight on cut-flower and design boxes. See our price list on page 960, this issue. Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.
Box 200 - - - Cartorland, N.Y.

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Notes

NEW CASTLE, IND.—Four new boilers are being installed in the Weiland greenhouses.

WELLSVILLE, N. Y.—Mrs. Jennie McEwen has purchased the greenhouses here formerly owned by W. F. Yewdall.

PORT HURON, MICH.—C. W. Asman expects to have his new greenhouse completed in time for Memorial Day's business.

DEPERE, WIS.—A. Van Gemert, florist, is planning to move his greenhouses to a location on Grant st., owing to lack of room for expansion.

WASHINGTON, D. C.—The greenhouses of the American Rose Co., on the Bladensburg rd. near Mt. Olivet Cemetery, were severely damaged by storm May 20. Three houses were blown down.

ALTON, ILL.—Mrs. E. A. Riehl, wife of E. A. Riehl, the veteran florist of Evergreen Heights, Alton, Ill., died May 20. She was about 70 years of age, and is survived by her husband, two sons and a daughter.

SANDUSKY, O.—The Central Greenhouse on Columbus ave. will be reopened June 1 by Leo E. Wagner, who is the new proprietor. Mr. Wagner for the past three years, has been deputy city auditor for this city. Jacob Mans will have charge of the growing end of the business.

Coming Exhibitions

Boston, Mass., May 26-30, 1910.—Great Exhibition of Orchids and other plants by the Massachusetts Horticultural Society. Secretary, William P. Rich.

Boston, Mass., June 9 and 10.—Peony exhibition of the American Peony Society and the Massachusetts Horticultural Society at Horticultural Hall, 300 Massachusetts ave. Secretary of the Peony Society, A. H. Fewkes, Newton Highlands, Mass.

Denver, Colo., June 8, 9 and 10.—25th Annual Convention of the American Association of Nurserymen. Secretary, John Hall, Rochester, N. Y.

VINCA VARIEGATA 3 inch, $6.00 per 100; 4 inch, $10.00 and $12.00 per 100.
GREVILLEA ROBUSTA 4 inch, $10.00 per 100.
ASPARAGUS SPRENGERI 3 inch, $6.00 per 100.

All clean, healthy stock. ooo

Hatcher

150 East Main Street
Amsterdam, N. Y.

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Newport (R. I.) Horticultural Soc.

A regular meeting of the above named Society was held on Wednesday evening, May 24, President James Robertson in the chair. The premium list for the Fall show as presented by the executive committee was gone carefully over, finally adopted as a whole, and ordered printed. For the first time in years no medal is offered for a seedling Dahlia, it being considered a poor policy to award a medal to a Dahlia in its first year from seed, an award which should only be made for a new plant after a thorough test. In the collection of annuals to be shown in bottles the number is limited to 40; and in the vegetable collections shown the number in the large one is limited to 18 species, not over two varieties of each. In this arrangement it is hoped to avoid the crowding together which has been seen in the past. The number of special premiums offered is again quite large. The show is, as usual, to be held at Masonic Hall, and the dates are September 17-19, Saturday, Sunday and Monday.

On the table were two finely grown and flowered plants of Calceolarias; to the variety C. Stewarti was, on recommendation of the committee, Messrs R. Gardener, J. Forbes and Colin Robertson, awarded a first-class certificate of merit; and to an elegant plant of the variety Golden Gem a cultural certificate was awarded. The latter would be a fine thing for the Easter trade. The plants were grown by James Bond, gdr., for Mrs. H. Mortimer Brooks.

Andrew Dorward has been appointed on the executive committee to fill the vacancy caused by the removal of Charles Newton, who is now gardener for R. T. Wilson at Blufftown, S. C.

Not a few of the members are planning to visit the Orchid show at the end of the week.

ALEXANDER MacLELLAN.

Greenhouses Building

ROCHESTER, N. H.—C. W. Bradley is erecting a new greenhouse.

WOBURN, MASS.—Wm. H. Ward is building a large new greenhouse.

BINGHAMTON, N. Y.—W. R. Gray & Son are building a large greenhouse on Burbank ave.

SPOKANE, WASH.—The Rose Floral Co. is to build a greenhouse covering an acre of ground.

ST. PAUL, MINN.—Holm & Olson are to build eight new greenhouses at Duke and Pleasant sts.

CATONSVILLE, MD.—Charles H. Cook is erecting four large houses on the old Frederick rd.

FOREST CITY, IA.—The Hill City Greenhouses are planning to erect an addition to the plant, 66 by 20 ft.

OCEAN SPRINGS, ALA.—F. B. Faessel, of New Orleans, has purchased the Sinclair place here, and will erect greenhouses.

The Johnson Floral Co., Kendallville, Ind., will erect an iron frame house, 28 ft. by 56 ft. King Construction Company's material used.

Question Box

(128) **Shrubs for Name.**—A. P., Conn.

—These specimens were received in poor condition; a few had no flowers on, others had flowers shaken off. They are recognized as follows: 2. Spiræa prunifolia. 6. Exochorda grandiflora. 8. Rhodotypos kerrioides. 9. Spiræa Thunbergii. The others are believed to be as follows: 1. Pyrus Aucuparia. 3 Syringa Persica alba. 4. Syringa Rothomagensis. 5. Symphoricarpos, variety. 7. Spiræa chamædryfolia. 10. Deutzia crenata. J. M.

(129) **Carnation Plants Affected with Stem Rot.**—L. M., N. J.

—It is not stated whether the plants affected are in the greenhouse or field. Stem rot is caused by a fungus, the spores of which exist in the soil. Avoid potting off young plants too deep, or planting them in field too deep or benching them too deep in greenhouse. Avoid over-watering or keeping plants in a close, warm, dank atmosphere. Propagate from strong healthy stock. Applications of lime tend to reduce the fungus. Avoid growing your Carnations in the same field year after year. If possible, sterilize sand, potting and bench soil. There is no cure for a plant once attacked by stem rot. In some unfavorable seasons it prevails to a very serious extent, no matter how the stock is handled. Prevention is the cure.

(130) **Can Freesia Bulblets taken from mother bulb after foliage is dry be sown now in cold frames?**—A. J. H., Ky.

—Plant the bulblets at once; let them grow as late into Autumn as possible; dig them, and dry them off. Later plant the large ones for blooms. The smaller ones can be kept over and planted out next year.

(131) **Bug on Clematis Vine and How to Kill It.**—R. C. G., Pa.

—The specimens submitted are scale bugs. Remedy: When the vine is dormant, spray with lime and sulphur solution or Scalecide, or Target Brand of Scale Destroyer. Now that the vine is growing, try spraying or washing with a solution made by dissolving Ivory soap in boiling water in the proportion of 1 oz. of soap to 1 gal. of water. Apply when warm.

DELPHINIUM BELLADONNA

Everblooming Hardy Larkspur, 2-in. pots, $3.50 per 100, $30.00 per 1000.
DIANTHUS Latifolius atroc. fl. pl. Everblooming, 2-in. pots, $2.00 per 100.
MYOSOTIS Palustris Semperflorens, 2-in. pots, $2.00 per 100.
SHASTA DAISIES, 2-in. pots, $2.00 per 100.
SCABIOSA Japonica, 2-in. pots, $2.00 per 100.
SALVIA Pateus, 2½-in. pots, $3.00 per 100.
Six trial plants 25 cents.
Cash with order, please.

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Florist RIVERSIDE, N. J.

Cycas Circinalis Stems

Grand Importation just to hand in fine condition.

NEW IMPORTATION OF

Phalænopsis Amabilis and Schilleriana

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721 CROCKER BUILDING San Francisco, California and **San Mateo, California**

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Again Our Prices On Ribbons Have Tumbled Down,

But Qualities are Better Than Ever

We want to sell you ribbons and will give you more silk value to the yard than anybody else in America.

We are manufacturers and sell direct from our mill.

Let us lift from your shoulders the ribbon question. We can do it satisfactorily and at a money saving to you.

SAMPLES ON REQUEST

The Pine Tree Silk Mills Company

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806-808-810 ARCH STREET

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New Crop Ferns Now Ready

Only $1.75 per 1000

Let us have your orders now for Memorial Day, and you will be sure of the best to be had and at rock bottom prices. **GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS,** 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

Telegraph office; New Salem, Mass. L. D. Phone Connection

Nice, large bunch of **Laurel Branches,** 35c. **Laurel** and **Pine** wreaths, $2.00 to $3.00 per doz. **Boxwood,** $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

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Henry M. Robinson & Co.,

Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.

New Crop Dagger and Fancy Ferns, $2.00 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.

A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.

Telephone: 2617-2618 Main, Fort Hill 25290.

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ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

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What will you do for jiggering up new trade and holding the old?

The Novelty News will post you regarding what others have done by use of Premiums, Novelties, Advertising Specialties and Schemes.

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The Novelty News is used by up-to-date business people the country wide.

PERLIN M. READ, 39th and Baring Streets **Philadelphia, Pa.**

Please mention the Exchange when writing.

Retail Notes

CORRY, PA.—Mrs. Milton Caldwell has opened a florist store in the Traction Building.

WHITE SULPHUR SPRINGS, W. VA.—Alexander Baxter is to open a florist store here June 1.

WASHINGTON, D. C.—Leapley & Meyer are a new firm starting a retail florist business at 905 G st., N. W.

FARMINGTON, CONN.—George D. Mason has sold his florist business and greenhouses to Mrs. Keep, proprietor of the Porter school.

KANSAS CITY, KANS.—J. F. Ephraimson has purchased the florist business of James Brough at the old Holmes stand, 812 Minnesota ave., and has taken possession.

NEWARK, N. J.—A delivery auto of the Begerow Floral Co., 946 Broad st., was badly wrecked on May 19, while the chauffeur was giving a "joy" ride to some companions.

RICHMOND, VA.—The building in which the florist store of Ratcliffe & Tanner is located is to be torn down and a finer store building erected. The firm will occupy quarters next door during building.

CAMBRIDGE, MASS.—Bert Connell, who has had charge of the Harvard Square florist business of Mr. Delay, has bought out the business and will be found at the same stand, and also at the Mt. Auburn st. car station.

LEWISTON, ME.—Ernest Saunders, florist, has opened a downtown store on Lisbon st. The store is finished in white, and a McCray refrigerator has been installed. Miss Grace W. Barker is in charge of the store.

ST. JOHN, N. B.—W. & K. Pedersen, florists, have moved their store from 31 to 49 Charlotte st. On May 14 the opening of the new quarters was celebrated by the presentation of boxes of flowers and bouquets to customers. The new store is handsomely fitted up; the woodwork is quartered oak, and the fittings chiefly of plate glass.

Hoped to Meet Again

A traveling salesman of this city died recently in Syracuse, and his relatives telegraphed the undertaker about the funeral arrangements. They directed that a white wreath should be made with, "Rest in Peace," on each side, and if there was still place left for sentence, "We Shall Meet in Heaven."

It chanced that the undertaker was busy and his assistant received the telegram and literally followed out, to the best of his ability, the instructions received. The wreath was extra wide, and when it appeared at the funeral, relatives, friends and mourning guests read, "Rest in peace on both sides and if there is room we shall meet in Heaven."

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire

IGOE BROTHERS

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes

63-71 Metropolitan Ave., BROOKLYN, N. Y.

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SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED

LOUISVILLE FLORAL CO.

LOUISVILLE, ALA.

Please mention the Exchange when writing.

Orders by Telegraph

For twenty-five cents, cash, we will forward you a handsomely printed card, worth framing, which you can hang in a conspicuous part of your store, to let your customers know you "fill orders for flowers, plants, or floral designs to any point" by telegraph.

A copy of Arnold's Florist's Code, price $2.50, will give you a key for the cipher transmission of orders to any of the advertisers in our "Directory of Reliable Retail Houses." All for sale by

The Florists' Exchange

No. 2 Duane St., N. Y.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

F. E.—Best Advertising Medium

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x3	$2.25	28x8x4	$4.50
18x5x3	2.25		
24x5x3½	3.00	30x6x3½	3.75
21x7x3½	3.25	36x6x6	6.50

Printed free in lots of 300 or more; 50c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.50
18x18x8	9.00	36x10x6	10.00
20x20x8	10.00	30x12x7	8.50
24x24x8	12.00	28x12x4	6.50
24x18x8, Pillow Box			12.00
20x15x8, Pillow Box			10.00

10 per cent. discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

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10,000, $1.75; 50,000, $7.50

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Samples free. For sale by dealers

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Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.

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LOG MOSSES

Natural and perpetualized. Orders booked now for future delivery.

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The only genuine IMMORTELLE LETTER on the market

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This New Book Free

It contains several interior views of recently equipped Flower Shops that are of vital interest to every progressive Retail Florist. It also shows reproductions of letters from successful Florists who have used

McCray Refrigerators

for many years. The distinctive thing about these Refrigerators is that the ice capacity is scientifically determined so that just the right temperature is maintained. The McCray System saves money because it saves ice and saves flowers, and *besides this* brings in new trade on account of its attractive appearance.

Write while you think of it for this new book—Ask for catalog No. 72.

McCray Refrigerator Co., 167 Lake Street, Kendallville, Ind.

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The latest Pneumatic Apparatus for cleaning Insects and Fungus off trees. Intended to replace all chemicals.—From Moeller's Nonsensia Number

THE third edition of our Design Book is now ready to be mailed out to purchasers. It has been thoroughly revised and greatly improved and is easily worth Ten Dollars a copy to anyone with a Retail Trade. Sixteen pages have been added, older designs eliminated and many new and beautiful suggestions incorporated.

THE FLORISTS' EXCHANGE **DESIGN BOOK**

Handsomely printed on enameled stock, and containing 80 pages, size 9x12 inches, with strong paper cover.

The work contains a reproduction of some 216 Designs, such as:

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Page 80 shows forms for Masonic, Fraternal and other Orders, for which wire designs are kept in stock by the supply houses.

TERMS OF SALE—The Florists' Exchange for two years and one copy Design Book, $2.50, delivery prepaid. This offer is open to new subscribers or to subscribers renewing. One copy of the Design Book to present subscribers for 75c., delivery prepaid. No copies obtainable except as above. Money refunded if book is not satisfactory to purchaser.

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CLUBS and SOCIETIES

Morris Co. (N. J.) G. and F. Society

The May meeting was given over entirely to the Rose growers, for the purpose of arranging the Rose section of the final schedule to as nearly as possibly suit everybody. The Flower Show Committee reported progress. A movement is on foot to secure trade exhibits from the seedsmen and nurserymen; a number so far have volunteered. The Whippany River club house and connected buildings contain as much floor space as Madison Square Garden, New York city, so there is ample room for exhibits of gardening tools, seeds and bulbs. Bay trees, box and a general assortment of evergreens in tubs.

There are several hundred gentlemen in this club; they belong to the best class of buyers and, as every member is a sponsor for this show, it ought to be a great advantage to the trade to show goods.

The Flower Show Committee is composed of Dr. Leslie D. Ward, Dr. D. H. McAlpin and T. H. Kahn. It is an enthusiastic committee, and its very composition guarantees that there will be something doing. This committee meets ours next week to still further consider the situation.

Great encouragement is felt because of the friendly spirit of other horticultural societies. We want a great show, and would like to see the prizes widely distributed.

Twenty of Morris County's prominent residents have accepted appointments as honorary vice-presidents and we expect to get two hundred in as associate members. The prize money is guaranteed, so we can now go ahead.

E. R.

Newport (R. I.) Horticultural Society

The June exhibition will be held on June 23 and 24. Premiums are offered for groups of Palms, Ferns and flowering plants, table of decorative foliage plants, Orchid plants in bloom, Palms, cut Roses and Gardenias, hardy herbaceous flowers (cut), shrubs, Strawberries, vegetables, collection of wild flowers, best vegetable and flower plot in each competing school garden in the city and best home garden. Special premiums are offered by Mrs. Goelett, S. G. Harris and J. C. Vaughan. Schedules may be obtained on application to the secretary, Daniel J. Coughlin.

G. and F. Club of Boston

The Gardeners and Florists' Club of Boston held its monthly meeting at Horticultural Hall, Boston, on Tuesday evening, May 19. Peter Miller, acting president, was in the chair.

A letter was read by the secretary from Dr. East of the Harvard Bussey Institute, Jamaica Plain, inviting the members to attend two lectures which are to be delivered there on "Hybridization of Plants" on May 22 and 29. A communication was read from William Sim, Sweet Pea grower, of Cliftondale, Mass., inviting the members of the Club to visit his place early in June. The matter was referred to the executive committee which reported later that the Club would visit the Sim establishment on Saturday, June 4.

A motion was made and carried that the president appoint a committee to consider what the Club should do for the S. A. F. National Flower Show which is to be held in Boston next March.

As there was no further business Chairman Miller introduced E. O. Orpet, of South Lancaster, as the lecturer of the evening, and Mr. Orpet was welcomed very warmly by a large and enthusiastic audience, present to hear his talk on Orchids. Mr. Orpet is a very fluent speaker and gave a very lengthy and interesting talk which lasted almost an hour and a half, and was much enjoyed. A lengthy discussion followed, some very good points being brought out. Prominent in the discussion were W. N. Craig, Thomas Butterworth, Kenneth Finlayson and R. Cameron.

There was on the exhibition table two very fine vases of Trollius, from Blue Hill Nurseries; two splendid vases of Snapdragon from Wm. Sim; a very fine specimen of herbaceous Calceolaria from William Downs; and a vase of Chrysanthemum Golden Glow from Wm. Edgar Co.

The June meeting will be "Ladies' Night."

R. C.

CHRYSANTHEMUMS ROOTED CUTTINGS READY NOW

WHITE	Per 100
OCTOBER FROST	$2.00
ESTELLE	2.00
POLLY ROSE	2.00
ROBINSON	2.00
WHITE CHADWICK	3.00
MERRY XMAS	3.00
YANOMA	2.00
MRS. BUCKBEE	2.50

	Per 100
WHITE BONNAFFON	$2.00
SNOW QUEEN	2.50
WHITE IVORY	2.00
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PINK	
PINK IVORY	2.00
ROSIERE	2.00
DR. ENGUEHARD	2.00

YELLOW	Per 100
MONROVIA	$2.00
ROBT. HALLIDAY	2.50
GOLDEN BEAUTY	2.50
GOLDEN GLOW	3.00
YELLOW BONNAFFON	2.00
RED	
INTENSITY	2.00
BLACK HAWK	2.00

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ORCHIDS

ARRIVED THIS WEEK

CATTLEYAS
TRIANAE
LABIATA
SCHROEDERAE
MOSSIAE
GASKELLIANA
MENDELII

DENDROBIUMS
CAMBRIDGEANUM
CHRYSOTOXUM
CRASSINODE
JAMESIANUM
DEVONIANUM

RENANTHERA IMSCHOOTIANA

VANDA COERULEA

CYPRIPEDIUMS
BELLATULUM
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LAELIA ANCEPS ALBIDA

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G. L. FREEMAN CO.
FALL RIVER, MASS.

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MY SPECIALTY

Adiantum Cuneatum and Gracillimum, 2¼ in., $3.50 per 100, $30.00 per 1000.

FERNS FOR FERN DISHES

Extra strong, healthy, bushy, full grown, 2¼ in. stock, guaranteed to please; in assortment of 12 best varieties, $3.00 per 100, $26.00 per 1000. 3 in., $6.00 per 100, $55.00 per 1000.

250 at 1000 rate.

Asparagus plumosus nanus. Excellent 2¼ in. stock, $3.00 per 100, $26.00 per 1000.

J. F. ANDERSON, Short Hills, N. J.
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Ferns and Bedding Plants

Assorted varieties for dishes, strong, healthy plants, from 2¼-in. pots, $3.00 per 100, $26.00 per 1000; 3-in., $6.00 per 100.

Scottii Ferns, 7-in. pots, $1.00 each.

Nephrolepis Whitmani, fine plants from 6-in. pots, $9.00 per doz.

Cocos Weddelliana, 2¼-in., $10.00 per 100, $86.00 per 1000.

ASPARAGUS P. Nanus, 3-in. pots, $6.00 per 100, $60.00 per 1000; 2¼-in., $3.00 per 100, $26.00 per 1000.

GERANIUMS, fine stocky plants, in bud and bloom, 4-in., Nutt, Poitevine and Double Grant, $6.00 per 100.

SALVIA Splendens and Bonfire, 3-in., $3.00 per 100; 2¼-in., $2.00 per 100.

ALTERNANTHERAS, 2¼-in., Red and Yellow, $2.00 per 100.

BEGONIA Vernon, 2¼-in., $2.00 per 100, $18.00 per 1000.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

Scholzeli Fern

The best payer and most prolific Fern to date. 2¼-in. $7.00 per 100.

	Per 100
Superbissima, 2¼-in.	$7.00
Whitmani, 2¼-in.	5.00
Scottii, 2¼-in.	5.00

CHAS. H. CAMPBELL
3601 Germantown Avenue
PHILADELPHIA, PA.

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Prices Advertised in these Columns are for THE TRADE ONLY

Carnations

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Fern Seedlings in Flats

In best varieties, ready June 16.
20,000 KENTIA Belmorenna, in 2¼-in. pots, ready now; also,
25,000 ASPARAGUS plumosus nanus, 2¼-in., ready for shifting.
Prices on application.
NEW PANSY SEED READY JULY 1.

B. SOLTAU FERNERY,
199 Grant Avenue, JERSEY CITY, N. J.

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New Crop Ferns

FANCY and DAGGER
Now ready for shipment.
Price, $1.25 per 1000

CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA

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NEPHROLEPIS

WHITMANI, 2½-in., $5.00 per 100; $40.00 per 1000.
MAGNIFICA (new), $25.00 per 100.
BOSTON FERNS, 2½-in. $30.00 per 1000.

Henry H. Barrows & Son,
WHITMAN, MASS.

Please mention the Exchange when writing.

PTERIS WILSONI

A few hundred fine bushy plants, in 3-inch pots, 7 cents each.

R. G. HANFORD, Norwalk, Conn.

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Ferns in Flats

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One hundred and ten large clumps in a flat, can be divided, ready June 1. Terms and price on application to,

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Stock guaranteed true to name

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100,000 Chrysanthemums

Best Commercial Varieties in clean, well-rooted Cuttings

Price—$2.00 per 100, $15.00 per 1000; 500 at 1000 rates. EARLY WHITE—Opal, Estelle, Oct. Frost, Touset, Ivory, Alice Byron, Miss Clay Frick. LATE WHITE—White Bonnaffon, Tim. Eaton, J. Nonin. EARLY YELLOW—Monrovia, Hilliden, Robt. Halliday. LATE YELLOW—Maj. Bonnaffon, Golden Wedding, Yellow Jones, PINK—Glory of Pacific, Wm. Duckham, Pink Ivory, Maud Dean, Minnie Bailey.

Golden Glow (yellow) and Yellow Eaton, $2.00 per 100, any quantity.

50,000 MARIE LOUISE VIOLETS, sand rooted cuttings, New York Stock, $2.50 per 100, $20.00 per 1000.

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From 2¼-inch pots . .	$10.00 per 100
Rooted Cuttings . . .	8.00 " "
Unrooted Cuttings . .	5.00 " "

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Polly Rose, Dr. Enguehard, 2¼-in., $2.50 per 100, $20.00 per 1000.

AGERATUM, Stella Gurney, 2¼-in., $2.00 per 100.

SMILAX SEEDLINGS, 50c. per 100, $4.00 per 1000.

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Yellow: Golden Glow, Halliday. White: Polly Rose, October Frost, B. May, N. Pockett, Queen, J. Nonin, Ivory, McArthur. Pink: Pacific, Balfour, Enguehard, Enchantress (not Gloria). Rooted Cuttings, of all above, $1.00 per 100, $9.00 per 1000. Golden Glow, from pots, only $2.00 per 100.

Cash.

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1000 OCTOBER FROST or GOLDEN GLOW, out of 2½-in. pots, $17.50; 500 for $9.00.

CHRYSANTHEMUMS

WHITE.	R. C. 100	R. C. 1000	2½-in. pots. 100	2½-in. pots. 1000
October Frost (500 for $9.00)	$2.00	$15.00	$2.50	$17.50
White Seedling No. 1	5.00	40.00	8.00	50.00
White Seedling No. 2	8.00	75.00	9.00	80.00
Virginia Poehlmann	3.00	25.00	4.00	35.00
Alice Roosevelt	3.00	25.00	4.00	35.00
Alice Byron	2.00	15.00	2.50	20.00
Minnie Wanamaker	2.00	15.00	2.50	20.00
Nonin	2.00	15.00	2.50	20.00
White Bonnaffon	2.00	15.00	2.50	20.00
Yanoma	4.00	30.00	5.00	45.00
John Burton (late)	4.00	30.00	5.00	45.00
Chadwick	3.00	25.00	4.00	35.00
Novelties.				
Lynnwood Hall	5.00	40.00	6.00	50.00
Pres. Taft	10.00		12.00	
Pompon Baby Margaret	10.00		12.00	

YELLOW.	R. C. 100	R. C. 1000	2½-in. pots. 100	2½-in. pots. 1000
Golden Glow (500 for $9.00.)	$2.00	$15.00	$2.50	$17.50
Monrovia	2.00	15.00	2.50	20.00
Appleton	2.00	15.00	2.50	20.00
Maj. Bonnaffon	2.00	15.00	2.50	20.00
Golden Eagle (new)	4.00	35.00	5.00	45.00
Golden Chadwick	3.00	27.00	4.00	35.00
Mrs. W. E. Kelley (new)	10.00		12.00	
Virginia (new)	10.00		12.00	
Baby (Pompon)	5.00		6.00	
PINK.				
Roslere	2.00	15.00	2.50	20.00
Minnie Bailey	2.00	15.00	2.50	20.00
Dr. Enguehard	2.00	15.00	2.50	20.00
Hankey	4.00	35.00	5.00	40.00
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Collingfordii	3.00	25.00	4.00	35.00
Black Hawk	3.00	25.00	4.00	35.00

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3-inch stock of following: Salvias, Lobelias, Petunias, Ice Pink, Salleroi, Geranium, German Ivies, Thunbergias, and all standard cutting and seedling stock, $3.00 per 100, $25.00 per 1000.

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2000 SALVIA Bonfire, 4-in., $5.00 per 100.

4000 SALVIA Bonfire, 2½-in., strong, $3.00 per 100.

2000 LOBELIA, Crystal Palace, trailing, 2½-in., $3.00 per 100.

2000 PHLOX Drummondi, assorted, 3-in., $3.00 per 100.

5000 PETUNIAS, Fringed Giants of California, 3-in., $3.00 per 100.

ALYSSUM, Carpet of Snow, 2½-in., $3.00 per 100.

VERBENAS, Giant Assorted, 2½-in., $2.00 per 100.

MME. SALLEROI GERANIUMS, SNAPDRAGONS, HELIOTROPES, ACHYRANTHES, COLEUS, (all kinds), all 2½-in., $3.00 per 100; $25.00 per 1000.

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EARLY PINK

BLOOMS FIRST WEEK IN OCTOBER.

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2¼-in. pots.

Our stock plants have been grown in solid benches in one of our best and lightest houses since December 1 last. We have largely increased our stock and can fill all orders promptly. We will quote special prices in 2500 lots.

PINK	Per 100
Glory of Pacific	$2.50
A. J. Balfour	2.50
Maud Dean	2.50
Pink Ivory	2.50
Pacific Supreme	3.00
YELLOW	
Col. Appleton	2.50
Monrovia	3.00
Major Bonnaffon	2.50
October Sunshine	2.50
Yellow Eaton	3.00
Golden Glow	2.50

WHITE	Per 100
Alice Byron	$2.50
Jeanne Nonin	2.50
Ivory	2.25
Mrs. H. Robinson	2.50
Beatrice May	3.00
Polly Rose	2.50
Timothy Eaton	2.50
White Dean	3.00
Yanoma	3.00
CRIMSON	
Black Hawk	2.50
John Shrimpton	2.50

NEWER VARIETIES, $5.00 per 100.

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For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

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Strong, clean, well-rooted stock; large Cuttings that will make plants quickly.

Large, strong, well rooted, absolutely no disease, taken from plants grown especially for stock and rooted in a cool house. These will make plants quickly and cannot fail to please you.

	100	1000
Enchantress	$3.00	$25.00
Pure White Enchantress	3.50	30.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Winona	3.00	25.00
Harlowarden	2.50	20.00

Stock from 2-in. pots, 50c. per 100 more than the 100 rates named above, net.

Cash with order. Sand Stock, 250 at 1000 rates.

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Rooted Cuttings

White: Baby Margaret, Touset, A. Byron, Timothy Eaton, J. Nonin, Ivory, Desjouie.

Pink: Amorita (very early), Glory of the Pacific, M. Dean, Mary Mann, Rosette, P. Ivory.

Yellow: Golden Glow (very early), M. Bonnaffon, Y. Eaton, Cremo, Robt. Halliday, Golden Eagle, Yellow Jones, Golden Baby.

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200,000 Rooted Cuttings Ready Now.

Polly Rose, Pacific, Robinson, Monrovia, Alice Byron, Chelton, Ivory, Bonnaffon, Jones, Duckham, Enguehard, Appleton, Eaton, Beatrice May, healthy stock, $1.25 per 100, $10.00 per 1000. Cash with order.

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REVIEW OF THE MARKET

NEW YORK, May 25.—There is now in the New York market a supply of every kind of bloom in excess of the demand. Sales, so far this week, have been very slow, and prices flat. It is hoped that the end of the week, with the approach of Memorial Day, will see a livelier market and better prices.

There is not an extraordinarily large cut of American Beauty Roses now, but the demand is so limited that for specials nothing better than 20c. each can be realized, and in most sales $1.25 to $2 per dozen is the price obtained. The supply of Killarney and My Maryland is very heavy. As the warm weather comes on My Maryland does not seem to grow in favor. The best price obtained for top grade stock of Killarney and My Maryland is 6c. each, while most sales are around the 3c. mark. Richmond is sustaining its reputation as anything but a warm weather Rose; it opens up either during transit or soon after arrival and the present demand for it is very limited. Some long stemmed, extra choice blooms in limited sales realize 8c., but in most cases stock goes to the buyer for half that price. Bride and Bridesmaid, especially the former, are showing some mildew, consequent upon the humid condition of the atmosphere. The highest price realized for the best grades in the market is 5c. each.

Carnations are not coming in as plentifully as Roses, but there are enough to more than satisfy the demand. While in general they are deteriorating in quality, yet some very good blooms are still arriving. Winsor is maintaining both its color and quality, and is a favorite at this time. The highest price obtained for the very best grades is 3c. each, but most sales are on a 2c. basis and downward.

The supply of Gardenias is so far in excess of the present demand that there is no price obtainable worthy of so choice a flower. In limited sales $1.50 per dozen is obtained for the very best grade, but most sales are at $1 per dozen and downward. The supply of Orchids, mainly Cattleyas, was probably never so great as at the present time. The demand is slack, and prices very low.

Given in detail by varieties they are as follows: Cattleya Mendelii 20c. each; C. Mossiæ, 30c. each; C. gigas, 60c. to 75c. each; all for the choicest flowers. It must, however, be understood that many sales are on a much lower price basis than the above. Lilies are arriving more slowly, but there are sufficient for all requirements, and 6c. each is the price for the best grade, and many good flowers are changing hands around the 4c. mark.

There is in the market still a small supply of outdoor Lily of the Valley, selling at 50c. per 100 for the best grade. The indoor Valley is not over abundant and the best grade realizes $3 per 100.

There is a plentiful supply of Sweet Peas, and while many of the flowers are of a very inferior quality, some of extraordinarily good quality are now arriving. For the high grade stock $1 per dozen bunches and upwards is realized, while the poorer grades find slow sale at any price.

Both Southern and local Peonies in considerable numbers are in the market. The short stemmed, red locals show a good bloom, and realize about 4c. each. Most of the pink varieties are of poor quality. A few choice blooms sell for 6c. each, but most sales of this color and the poorer reds and whites are around the 3c. mark. Very few choice whites are in evidence; Festiva maxima is selling at 8c. each for the top grade.

Some choice Centaureas in white, lavender and yellow are coming in, and sell at 50c. to $1 per dozen. Gladioli in a larger range of colors are appearing. The smaller varieties, such as Blushing Bride, realize $2 per 100 for the best grade, and the larger varieties $8 to $12.

The only flowering shrubs now coming in in quantities are Japanese Snowball and Weigela.

PHILADELPHIA, May 23.—A rising temperature and a humid atmosphere have a tendency to increase the cut of flowers and to cause them to arrive in poorer condition. There is no shortage in any staple product. Blooming shrubs are little in evidence as compared with last week, in fact, there is no great display of outdoor stock in the market now, except a good supply of Peonies, and blue Centaureas.

There is a good supply of American Beauty Roses. Specials in some small sales bring $3 per doz., for extra choice selections, but most sales are below the 20c. mark. Killarney and My Maryland are coming in very abundantly. A few choice flowers change hands at 8c. ea., but 5c. ea. for the best grade is the ruling price.

The warm weather injures the quality of Richmond, causing it to open too rapidly. A few very fancy blooms realize 12c. each, but 8c. is about the highest price obtained for best grade and from that down. Mrs. Jardine is arriving in about the usual quantity, the price realized being from 10c. down. A few choice selections change hands at a trifle higher figures. With the rise of temperature Bride and Bridesmaid tend to mildew; for fancy special the best price realized is 8c.; most of sales are, however, around the 5c. mark.

Kaiserin is improving both in length of stem and quality of bloom. Top grade flowers realize in small transactions as high as 10c. each, but the ruling price is near the 6c. mark. It may be noted that in all kinds of Roses the shorter and lower priced grades move off more rapidly at present than the higher grades.

The supply of Carnations is sufficient to meet all demands. The quality is deteriorating. The supply of good quality colored blooms is not so full as that of whites. The price for top grade stands at 3c. each. The supply of Gardenias is greatly in excess of the demand, and the price is, in most cases, set by the buyer. A few choice blooms realize in small sales $2 per doz., but more sales are around the $1 mark for best grade. In Orchids Cattleyas also are very abundant. The darker colored flowers meet with the best sales. The top price for the best grade is 50c. each, but most sales are around 30c.

The cut of Lilies is being held back as much as possible in an effort to make better prices, and some very choice blooms realize 10c. each, but 6c. is the ruling price. Callas are not abundant, and 12c. each is easily obtained for the best grade. Out-of-door Lily of the Valley realizes 50c. to $1 per 100, for forced stock $3 per 100 for best grade.

Out-of-door Valley will soon be over and forced stock will not go below its present price.

Indoor Sweet Peas are deteriorating in quality, and the outdoor crop, which is just beginning to come in, has not yet reached its best, so that the present supply is not of a very high grade. The best there is realizes 75c. per 100.

Peonies are coming in freely and of good quality, and Memorial Day will find some nice stock in the market. Some choice blooms now are selling for 10c. each with 8c. as the prevailing price for top grade and from that down.

The present market is not a brisk one, but, all things considered, the conditions are as good as can reasonably be expected at this season of the year. The outlook is for a fairly large volume of business for Memorial Day.

CHICAGO, May 24.—The market is more than usually quiet, with any amount of stock waiting for bidders, quite contrary to last week, when there was just enough stock to meet the demand. No one seems to believe that stock is going to be scarce for Decoration Day, and if arrivals continue to accumulate there will be a host of cheap flowers.

Roses, in some instances, are showing the effects of thrip, but there are lots of excellent stock obtainable. It is easy to see that growers are holding back on Roses as much as possible, as many flowers are received half blown.

It seems impossible, when one observes the quantities of Carnations displayed everywhere, that there is a possible chance of shortage for the holiday, no matter what the demand may be.

Sweet Peas in the past few days have been coming in such quantities that the price has fallen considerably. Peonies are not up to the standard, the buds are very soft and do not last as long as they should. Gladioli are in greater quantity than last week; some excellent flowers of Frances King, Augusta and America are noticed, prices ranging from $1.50 to $2 per dozen. The miniature Gladioli are also claiming considerable attention.

Lilies are in greater abundance and could hardly be in better condition. Callas are not over plentiful. Valley is coming in fairly well.

Cape Jasmine is fine at $2 per 100. There is a considerable addition to the varieties of flowers offered last week. Fine Candytuft, Cornflowers, Stocks, and double white Narcissus, all are available.

Green stock is plentiful, except Smilax which is scarce.

BOSTON, May 24.—The market this week has been rather sluggish and not at all what it ought to be. To give a good substantial reason why it is so is a hard thing to do at this time. Probably the most feasible explanation would be that flowers are so plentiful outdoors; and, again, most people who buy flowers in quantitiy are out of town. The material arriving is of very fine quality, and the buyer certainly gets his money's worth.

Roses are a drug this week, immense shipments being daily received. There is an over abundance of all varieties. Carnations are more plentiful than they were, but there is a good demand for white varieties. Sweet Peas are selling well this week. Feverfew and Stocks are quite plentiful and in good demand. Large orders are being booked daily for Memorial Day.

There is a good supply of Gladioli and they are selling very well. There are some good Lilies and prices are satisfactory. Late Tulips will be in good shape for the holiday if the weather keeps cool. Spiræa is selling well. There is a slight scarcity of Snapdragon; the pink varieties are selling well. Orchids are quite plentiful, and the demand is not as good as it was a few weeks ago.

Hydrangeas and Spiræas in pots are selling well. Marguerites in pots, however, are not in very good demand. Bedding plants, such as Geraniums, Coleus and Ageratum, are in very good demand, and large quantities have been disposed of. R. C.

INDIANAPOLIS, May 23.—Contrary to all expectations at the outset, May is falling behind last year's record. No reason can be assigned other than the weather, which has been consistently miserable and cold. Then there is little funeral work at this time and the poorer grades of flowers find no outlet, as counter trade, while fairly good, does not consume the fancy flowers.

The market is sluggish and the non-consumed portion of stock takes with it the profits. About the brightest prospect at this time is the next two weeks, which includes Memorial Day and a number of good sized decorations.

The Peony season has commenced in earnest, with hundreds, yes thousands of blooms available, at $3 to $5 per 100 wholesale and 75c. to $1.25 per doz., retail; only a slight advance is anticipated the latter part of next week.

Harrisil Lilies and Callas of fine quality may be had at $10 per 100 and form beautiful corners in the flower shops.

The Carnation market is ruled nearly as much by the buyers as by the grower lately. It is simply impossible to use all the flowers at $1.50 to $3 per 100.

Commission houses in surrounding cities furnish an outlet for the surplus Roses where a fairly good price is obtained for them. Killarney and Richmond are wholesaling at $6 to $8 per 100. Select Bridesmaid and Bride bring $5 to $7 per 100; seconds sell at $2 to $4 per 100. Am. Beauty, quality good, are shipped in at $3 to $25 per 100.

Spanish Iris is most desirable for the counters at $3 to $5 per 100 wholesale; 50c. to $1 per doz., retail.

Campanulas in plants and beautiful sprays of light lavender, pink and bluish white, remind one that the June wedding season is once more close at hand. The product of one plant retails at from 75c. to $1.50. Feverfew is also here, en masse, at 15c. to 25c. for large sprays.

Sweet Peas are certainly outdoing themselves in quality this year at 50c. to $1 per 100. The demand for corsage flowers, other than these, is small at this time. Excellent Cattleyas are obtainable at 35c. each but the retail call for them is at a standstill.

Boxwood and Laurel are more extensively handled this year by the shopmen, but, as yet, there has been but little derived from their sale.

The Indiana crop of Ferns will not be available this year by the 30th of May, but they will not be greatly missed as the shipped ones are unusually good. I. B.

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We solicit consignments of cut flowers, especially of good ordinary carnations; prompt returns and payments. Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Avenue and 26th Street
COOGAN BUILDING, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary

M. C. FORD
Successor to Ford Bros.
Wholesale Florist
121 West 28th Street,
NEW YORK
Telephones, 3870—3871 Madison Square

GREATER NEW YORK FLORIST ASSOCIATION, Inc.
Wholesale Commission Dealers in Cut Flowers and Supplies
162 LIVINGSTON STREET, BROOKLYN, N. Y.
GEORGE W. CRAWBUCK, Manager

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
110 West 28th Street
Phone, 561 Madison Square NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888

Phone 2336 Mad. Sq.
Greenhouses: FOREST HILL, N. J.
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WHOLESALE
PLANTSMEN & FLORISTS
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WILLIAM H. KUEBLER
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CUT FLOWERS
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Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
55 West 28th Street, NEW YORK
Telephones 4628, 4627 Mad. Sq. Established 1891.

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WHOLESALE COMMISSION FLORISTS
GROWER AGENT.
ADJOINING
New York Cut Flower Co's SALESROOM.
55 West 26th St., New York.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York.

B. S. Slinn, Jr.
WHOLESALE FLORIST
55 & 57 West 26th St., New York
VIOLETS CARNATIONS AND ROSES
Shipping orders receive prompt attention
Telephone: 3864 Madison Square.

Frank M. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 and 133 West 28th Street, New York
and Cut Flower Exchange
Telephones: 798 and 799 Madison Square
Consignments Solicited

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664—1665 MADISON SQUARE
ENOUGH SAID

PHILIP F. KESSLER Commission Dealer in Cut Flowers
Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
55 & 57 W. 26th St., New York City
FINEST CALLAS AND LILIES EVERY DAY IN THE YEAR
Tel. 5243 and 2921 Madison Square. Residence, 345 J. Newtown.

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, May 25th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	12.00 to 20.00
" extra	8.00 to 10.00
" No. 1	5.00 to 8.00
" No. 2	3.00 to 5.00
" No. 3	2.00 to 3.00
Killarney	.50 to 6.00
White Killarney	.50 to 6.00
My Maryland	.50 to 6.00
Richmond	1.00 to 8.00
Mme. Abel Chatenay	.... to ....
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	3.00 to 5.00
" extra	2.00 to 3.00
" No. 1	1.00 to 2.00
" No. 2	.50 to 1.00
Adiantum	.... to 1.00
Croweanum	.... to 1.00
Antirrhinum (per bunch)	.50 to 1.50
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.15 to .25
Sprengeri, bunches	.15 to .25
Bouvardia	.... to ....
Callas	4.00 to 8.00
Daffodils	.... to ....
Daisies	.50 to 1.50
Ferns, per 1000	1.50 to 2.00
	.... to ....
	.... to ....

CARNATIONS—		
Inferior grades, all colors		.75 to 1.00
Standard Varieties	White	1.00 to 1.50
	Pinks	1.00 to 1.50
	Red	1.00 to 1.50
	Yel. & Var.	1.00 to 1.50
Fancy (The highest grades of Sta'd varieties)	White	2.00 to 3.00
	Pinks	2.00 to 3.00
	Red	2.00 to 3.00
	Yel. & Var.	2.00 to 3.00
Novelties		.... to ....
Gardenias, per doz.		.50 to 1.50
Lilacs, per bunch		.... to ....
Lilies, Harrisii and Longi.		2.00 to 6.00
Lily of the Valley		.50 to 3.00
Mignonette, per doz.		.10 to .25
Narcissus		.50 to 1.00
Orchids, Cattleyas		20.00 to 50.00
Cypripediums, per doz.		.... to ....
Dendrobium Formosum.		.... to ....
Pansies, per doz. bunches.		.... to ....
Poinsettias, per doz.		.... to ....
Hyacinths		.... to ....
Smilax (per doz. strings)		1.00 to 1.50
Stevia, per bunch		.... to ....
Sweet Peas, per doz. bun.		.25 to .75
Tulips		.... to ....
Iris		1.50 to 2.00
Peonies		4.00 to 8.00

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 131 and 133 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1998 Madison Square
JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

New York

Kessler Bros, 50 West 28th st., have begun handling a nice line of Fern seedlings in flats. They report very heavy sales of plants for present orders and for Memorial Day.

George Saltford, 43 West 28th st., is receiving daily shipments of Gardenia florida; also some fine Cardinal Sweet Peas.

Wadley & Smythe, 491 Fifth ave., will open their Newport store June 1. In their window this week is noted a vase of Cypripedium Curtisii, with trimmings of Leucothoe sprays. The effect is sombre but very striking.

J. H. Small & Sons, 1153 Broadway, are showing some magnificent specimens of Boston Ferns, in 16 in. tubs.

A. Warendorff, 1193 Broadway, is displaying steamer baskets of Sweet Peas and other flowers "arranged in water so as to last an entire voyage." These baskets are very attractively made up.

Hitchings & Co., 1170 Broadway, are showing at the Real Estate and Ideal Home Show at Madison Square Garden a portable greenhouse. The greenhouse is 12 ft. by 8 ft. 3 in. The wood is air-dried Cypress. The six heavy ironposts render any foundation of masonry unnecessary. The house is well built, and all the parts are so prepared that the structure can be immediately erected. It is heated by a Junior hot water heater, which can be placed in the cellar of the dwelling house to which the greenhouse is attached, or in a small pit prepared for that purpose. The total cost is only $250. In the States far enough South, so that there are only a few degrees of frost, the heating apparatus can be dispensed with, and the cost will be $75 less. A descriptive catalog can be had upon application. At this same show the Forster-Mansfield Mfg. Co., 143 West 28th st., is displaying a well built line of window boxes, plant tubs, columns, rustic work, Bamboo furniture, etc. The company is now making a specialty of art wood novelties for the florist trade, and manufactures the latest improved ice box.

Herman C. Steinhoff, West Hoboken, N. J., will sail for Europe in June, to attend to the selection of stock for importation.

Richard Vincent, Jr. and Mrs. Vincent arrived in New York on Sunday, May 22, from their trip through Belgium, Holland and England, proceeding immediately to their home at White Marsh, Md.

Max Schling, who for the past eight years has been doing business at 1002 Sixth ave., and who has had a steadily increasing business, finds that the volume of his trade has become so great that he has outgrown his present quarters; therefore, he has leased new quarters at 22 West 59th st., adjoining the Plaza Hotel, where he will have more room and a better location. Mr. Schling's many friends wish him all success in his larger and better store.

Alexander J. Guttman, the wholesale florist, 34 West 28th st., has become president of the Best Oil Co. This company is putting on the market a substitute for linseed oil which, it is said, is both better and cheaper than the real article.

J. A. Newsham of the Magnolia Nursery, New Orleans, La., was a visitor in town this week, en route for the Orchid exhibition at Boston. Mr. Newsham is making a specialty of the Central American varieties of Orchids.

A fire, of unknown origin, at 2.15 Monday morning destroyed the two-story frame barn, with hay, straw, etc., therein, at the corner of 20th st. and Whitestone rd., Whitestone, L. I., belonging to V. Zuber & Sons, florists. The loss was about $2000 and the insurance $500. The distance from the hydrant prevented any effectual work by the firemen.

John Miesem and wife, Elmhurst, L. I., will sail for Europe June 1, for a two months' visit.

Jasper McMullen, Whitestone, L. I., is convalescing from pneumonia.

Philip F. Kessler, 55 West 26th st., is now receiving some very choice white, lavender and yellow Centaureas, also some extra fine Sweet Peas.

Richmond, Ind.

The E. G. Hill Co. has taken a five-years' lease on the Graves greenhouse, west of the city. Carnations only will be grown in the newly acquired plant.

Buffalo,

The business outlook for Decoration Day is good. There is plenty of stock of all kinds in the cut flower line. Carnations are plentiful and, with so many Roses, it is often a problem to move them. Lilacs and Peonies are coming in so there should not be any shortages.

Several windows in the local stores were decorated in memory of King Edward. The one of J. Benson Stafford, of the Italian Garden Store, was tastefully arranged. S. A. Anderson's window was also trimmed in memory of the late king and, judging from the crowds around, it was greatly appreciated by the people.

The window of W. J. Palmer & Son at the 304 Main st. store was decorated in the latest fad, a comet window, or the window dresser's idea of what a comet looks like; one of the local dailies gave it a write up.

Philadelphia

Henry A. Dreer will exhibit blooms of many Hybrid Tea Roses at the Orchid show at Boston this week. John S. Hay will be the representative at the show and will take care of the exhibit.

Joseph Heacock, Wyncote, Pa., will attend the Orchid show in Boston.

The Leo Niessen Co. is receiving some very nice Lily of the Valley.

The Stokes Seed Store, at the greenhouses at Moorestown, N. J., is growing Lily of the Valley and Lilium giganteum all the year around.

The Robert Craig Co. has now ready for shipment 20,000 2¼-in. Nephrolepis elegantissima compacta. The company believes that this Fern is going to be a winner next year. An immense supply of Begonia Gloire de Lorraine is in the pink of condition at the greenhouses and sales for June delivery are already very large.

Wm. Crawford, 5210 Market st., has just finished a shield for Memorial Day, for Grehle Post No. 10, of Philadelphia. When standing on its easel it is 6 ft. high. The shield proper is 44 in. x 50 in. It is made of Immortelles. The upper third is a blue background upon which are thirteen white stars, the lower two-thirds are thirteen alternate red and white stripes. Above all are placed Cycas leaves and small silk American flags. The work is well done, and the effect is very pleasing.

One of the busiest houses in the city of Philadelphia is the Pine Tree Silk Mills Co., 806-810 Arch st. The looms of this company are running to their utmost capacity to fill the ribbon orders secured through their advertisements, and forty traveling salesmen who cover the whole United States. This company, with other ribbons makes a special line in many pleasing patterns for florists' use, which they sell directly to the florists. They are just now sending out a line of samples which can be had for the asking. The company carries one of the very largest and best lines of ribbon stocks in the United States.

The S. S. Pennock-Meehan Co. has begun to receive Water Lilies, and will continue to handle them through the season.

J. J. Habermehl's Sons, the Bellevue-Stratford florists, recently made two 6-ft. wreaths of Orchids and Lilies of the Valley for the funeral of Max Reinbach, controller of the Penna. R. R. They will furnish the decorations for the booths, etc., at the convention of the Car Builders' Association, which will be held on the million dollar pier at Atlantic City, June 11; and also for the great ball at the armory of the Naval Academy, Annapolis, Md., June 3. Several carloads of decorations will be used at each place.

The following visitors were recently in town: J. H. Fries, Bethlehem, Pa.; W. C. Drewes, Braddock, Pa.; E. J. Steele, Middletown, Del., and Mrs. Lealman, Vineland, N. J.

The outlook for Memorial Day business, both in cut flowers and plants, is good. The moving of the latter has been going on for some days already. One large grower states that, if he had one-half million Geraniums in bloom he could sell them all this week.

Cultural Direction Leaflets

Prepared especially for seedsmen to give away to customers. Written by experts with a view to the wants of the amateur. Seedsmen are requested to send for a free sample. Address,

A. T. De La Mare Ptg. & Pub. Co., 2 Duane St., New York

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee May 22, 1910	Pittsburgh May 23, 1910	NAMES AND VARIETIES	Boston May 24, 1910	Detroit May 25, 1910	Cincinnati May 23, 1910
25.00 to 35.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	20.00 to 25.00	25.00 to 30.00	to 25.00
15.00 to 18.00	12.50 to 16.00	" extra	12.00 to 15.00	20.00 to 25.00	to
10.00 to 12.00	6.00 to 10.00	" No. 1	8.00 to 10.00	16.00 to 20.00	to
4.00 to 8.00	2.00 to 3.00	" No. 2	to	4.00 to 10.00	to 2.00
to	3.00 to 12.00	Killarney	2.00 to 8.00	to	1.00 to 6.00
to	3.00 to 12.00	White Killarney	2.00 to 8.00	to	1.00 to 6.00
to	to	My Maryland	1.00 to 8.00	4.00 to 10.00	2.00 to 6.00
4.00 to 8.00	4.00 to 12.00	Richmond	4.00 to 8.00	4.00 to 10.00	2.00 to 6.00
4.00 to 8.00	2.00 to 6.00	Perle	to	to	to
to	to	Golden Gate	to	to	to
4.00 to 8.00	2.00 to 8.00	K. A. Victoria	6.00 to 10.00	4.00 to 10.00	to
to 8.00	to 8.00	Bride, 'Maid, fancy—special	3.00 to 8.00	8.00 to 10.00	to 4.00
to 6.00	to 6.00	" extra	1.00 to 3.00	6.00 to 8.00	to 2.00
to 4.00	to 4.00	" No. 1	to	4.00 to 6.00	to
to	to 2.00	" No. 2	to	to	to
to 1.00	1.00 to 1.25	Adiantum	1.00 to 1.50	1.00 to 1.50	to
to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	30.00 to 50.00	30.00 to 50.00	to 10.00
to 30.00	10.00 to 30.00	" Sprengeri, bunches	30.00 to 50.00	30.00 to 50.00	to
to	to	Bouvardia	to	to	to
to	to	Callas	to	12.50 to 15.00	4.00 to 8.00
to	to 1.00	Carnations—Inferior grades, all colors	to	to	to
4.00 to 5.00	2.50 to 3.00	Standard Varieties: White	2.00 to 3.00	3.00 to 4.00	to 2.00
4.00 to 5.00	to 2.00	Standard Varieties: Pink	2.00 to 3.00	3.00 to 4.00	to 1.50
4.00 to 5.00	to 2.00	Standard Varieties: Red	2.00 to 3.00	4.00 to 5.00	1.50 to 2.00
4.00 to 5.00	to 2.00	Standard Varieties: Yellow and var.	to	to	to 2.00
4.00 to 5.00	to 4.00	*Fancy (*The highest grades of Sta'd vars.): White	2.00 to 3.00	4.00 to 5.00	to
4.00 to 5.00	to 3.00	*Fancy: Pink	2.00 to 3.00	4.00 to 6.00	to
4.00 to 5.00	to 3.00	*Fancy: Red	2.00 to 3.00	5.00 to 6.00	to
4.00 to 5.00	to	*Fancy: Yellow and var.	to	1.00 to 1.50	to
to 75	1.00 to 2.00	Daisies	.50 to 1.00	to	to .50
to .25	to	Ferns, hardy	to	to .20	to
to .20	to	Galax, green and bronze	to	to .12	to
to	to	Gardenias, per doz.	to	to	to
to	to	Gladiolus	2.00 to 3.00	3.00 to 4.00	to
to 18.00	8.00 to 10.00	Lilies, Harrisii and Longi	6.00 to 12.00	12.50 to 15.00	to
to 3.00	2.00 to 4.00	Lily of the Valley	1.00 to 3.00	3.00 to 4.00	to
to	1.50 to 3.00	Mignonette	.75 to 1.50	4.00 to 8.00	to
to	20.00 to 40.00	Orchids—Cattleyas	30.00 to 50.00	to	to
to	to	Orchids—Cypripediums	to	to	to
to	to .50	Pansies, per doz. bunches	to	1.00 to 1.50	to
to 6.00	4.00 to 6.00	Peonies	4.00 to 8.00	4.00 to 10.00	to 5.00
to 1.50	to 1.50	Smilax, (per doz. strings)	to	to 1.50	to
.75 to 1.00	.25 to 1.00	Sweet Peas	.25 to 1.00	.50 to 1.00	.35 to .50
to 3.00	to	Tulips	1.00 to 1.50	3.00 to 4.00	to
to	to		to	to	to
to	to		to	to	to

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. CINCINNATI, O.

All Cut Flowers in Season

I Sell Heller Bros. Roses

I Manufacture Wire Work

Illustrated Catalogue for the asking.

Get your order in now for

HANGING BASKETS

The Best—The Strongest—The Cheapest

Green Sheet Moss, $1.00 per Bundle

Sphagnum Moss, $1.00 per Bale

Please mention the Exchange when writing.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE

2-8 Duane Street, New York

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

Milwaukee, Wis.

Please mention the Exchange when writing.

The McCallum Company

WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

937 Liberty Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS and FLORISTS' SUPPLIES

Manufacturers of WIRE DESIGNS

457 Milwaukee St., MILWAUKEE, WIS.

'Phone, Main 874. P. O. Box 103.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Boston

There are large quantities of most beautiful Roses coming in from all quarters, but the market is away off this week for them. No doubt the outdoor flowers, which are so plentiful now, are hurting the indoor stock somewhat. Another thing, the people have moved out of the city to their country Summer homes and do not need as many flowers. However, we expect this week will be a record breaker for sales of flowers. Outdoor stock, such as German Iris, late Tulips, Narcissi, Lilacs, Forget-me-nots, Pansies, Spiræas, Deutzias and others are available for cutting.

The growers who feared a few weeks ago that their crops for Decoration Day would be all gone report them in the very best of condition now. The weather has brought them in all right.

F. W. Fletcher of Auburndale has a very fine show of Schizanthus which is in good condition for his Memorial Day customers. The strain of seed from which the plants were raised is known as the Covent Garden strain and the flowers are very large and showy, and of various pleasing colors. He has quite a nice collection of Orchids and is adding to it right along. His Cattleya Mossiæ are very good, and he had a good show of C. Trianæ in season. He is going to add a batch of C. gigas and C. Mendelii when he sees suitable plants.

E. Sutermeister of Hyde Park is growing some very good late Tulips which he disposes of at Park st. Market, through Edward Rogean. The varieties grown and disposed of are Tulip Gesneriana, Golden Crown and mixed Darwins. They are much more pleasing and graceful than the early varieties of Tulips, and their flowers last a very long time in good condition.

W. H. Elliott of Brighton and Madbury will cut this week for his Decoration Day trade 125,000 Roses, in different varieties. Never before at this season were finer flowers seen. In days gone by, when Roses were grown in small houses, at this season mildew was a very common thing, which always lowered the quality of the goods. Under the modern method of growing Roses this trouble is done away with—at least there isn't a single spot to be seen on Elliott's Roses.

William Patterson of Quincy has a good supply of Cornflowers and it is always in good demand. He has a light colored variety which is picked up at the retail stores almost as soon as it is shown.

Edward Wood of Lexington is cutting some nice sprays of Exochorda grandiflora. Usually he has this shrub in bloom for Decoration Day and found it very remunerative, but owing to the earliness of the season it will be all gone out of bloom. This is one of the most lovely of all outdoor shrubs with its large milky white flowers.

Frank White of Holbrook, Mass., who has been ill with rheumatism is able to be out again, but is quite lame yet.

William Sim of Cliftondale has a large house of Sweet Peas just in perfect condition for this week. The flowers have long stems and are of fine color. He will finish cutting this week a house of pink Snapdragon.

Israel Rosnosky, salesman for the Henry F. Michell Co., Philadelphia, was in town this week. He is very much liked by the market salesmen and by the trade generally and while here booked quite a number of good orders.

John Barr of South Natick has some of the finest Carnations that are shipped to the Boston market. He has a very fine crop for this week. His colored seedling is flowering very freely and is a favorite of every one.

Peirce Bros. of Waltham have excellent houses of Gladioli which are in excellent condition for this week. The varieties include America, Blushing Bride, Brenchleyensis and others. All their other crops are doing well.

A. M. Davenport of Watertown has some good Hydrangeas which are being disposed of at this time. His other plants are of equally good quality and find a ready market.

Hugh L. Cameron of North Cambridge has almost disposed of the 60,000 Geraniums which he has been growing. Alphonse Ricard, S. A. Nutt and Beauté Poitevine are the favorites of the masses. He had also a good stock of Jean Oberlie, which is very much liked, especially for its pleasing peach pink color.

Sam J. Goddard of South Framingham has a good cut of Carnations for this week and with the cool, mostly sunless weather, the quality and color of the

For June Weddings and Commencements

PEONIES
In any quantity.
Fancy $8.00 per 100. Good Stock $6.00 per 100.

CATTLEYAS
Extra Choice Flowers.
$7.50 per dozen.

Richmond, Maryland, Killarney, Brides and Maids
Good stock $5.00 and $6.00 per hundred.
Extra long MARYLAND and RICHMOND $10.00 per hundred.

VALLEY
Fancy $4.00 per 100.
First $3.00 per 100.

DAISIES
White and Yellow. $1.00 to $1.50 per $1.00.
Special prices in quantity.

THE LEO NIESSEN CO.,
Wholesale Florists
Open from 7 A.M. to 8 P.M.
1209 Arch Street
PHILADELPHIA

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore May 23, 1910	Buffalo May 23, 1910	NAMES AND VARIETIES	Phil'delphia May 23, 1910	St. Louis May 23, 1910
25.00 to 30.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	..... to 25.00	15.00 to 20.00
15.00 to 20.00	15.00 to 20.00	" extra	10.00 to 15.00	10.00 to 15.00
10.00 to 12.50	8.00 to 10.00	" No. 1	8.00 to 10.00	8.00 to 10.00
5.00 to 6.00	2.00 to 4.00	" No. 2	2.00 to 4.00	2.00 to 4.00
4.00 to 6.00	3.00 to 10.00	Killarney	1.00 to 5.00	5.00 to 6.00
4.00 to 6.00	3.00 to 10.00	White Killarney	1.00 to 8.00	5.00 to 6.00
3.00 to 8.00	3.00 to 10.00	My Maryland	4.00 to 8.00	3.00 to 4.00
3.00 to 7.00	3.00 to 10.00	Richmond	2.00 to 12.00	..... to .....
3.00 to 5.00	..... to	Perle	4.00 to 6.00	..... to .....
3.00 to 7.00	..... to	Golden Gate	2.00 to 8.00	..... to .....
3.00 to 7.00	..... to	K. A. Victoria	2.00 to 10.00	..... to .....
..... to 7.00	..... to 8.00	Bride, Maid, fancy—special	6.00 to 8.00	4.00 to 5.00
..... to 6.00	6.00 to 8.00	" extra	4.00 to 6.00	..... to .....
4.00 to 6.00	4.00 to 8.00	" No. 1	2.00 to 4.00	3.00 to 4.00
2.00 to 4.00	2.00 to 4.00	" No. 2	1.00 to 3.00	..... to .....
..... to 1.00	1.25 to 1.50	Adiantum	1.00 to 1.50	..... to .....
25.00 to 50.00	..... to	Asparagus, Plumosus, bunches	35.00 to 50.00	..... to .....
25.00 to 50.00	..... to	" Sprengeri, bunches	35.00 to 50.00	..... to .....
..... to 2.00	..... to	Bouvardia	..... to	..... to .....
8.00 to 10.00	8.00 to 12.00	Callas	8.00 to 12.00	..... to .....
1.00 to 1.50	1.50 to 2.50	Carnations—Inferior grades, all colors	1.00 to 1.50	..... to .....
1.50 to 2.00	1.50 to 2.50	Standard Varieties: White	1.50 to 2.00	2.00 to 3.00
1.50 to 2.00	1.50 to 2.50	Standard Varieties: Pink	1.50 to 2.00	2.00 to 2.50
1.50 to 2.00	1.50 to 2.50	Standard Varieties: Red	1.50 to 2.00	2.00 to 3.00
1.50 to 2.00	1.50 to 2.50	Standard Varieties: Yellow and var.	1.50 to 2.00	..... to .....
..... to 2.50	..... to 3.00	*Fancy (*The highest grades of Std'd vars.): White	2.00 to 3.00	2.50 to 3.00
..... to 2.50	..... to 8.00	*Fancy (*The highest grades of Std'd vars.): Pink	2.00 to 3.00	2.00 to 2.50
..... to 2.50	..... to 3.00	*Fancy (*The highest grades of Std'd vars.): Red	2.00 to 3.00	2.00 to 3.00
..... to 2.50	..... to 3.00	*Fancy (*The highest grades of Std'd vars.): Yellow and var.	2.00 to 3.00	..... to .....
..... to	1.00 to 2.00	Daisies	1.00 to 1.50	..... to .....
..... to	..... to .25	Ferns, hardy	.15 to .30	..... to .....
..... to	..... to .15	Galax, green and bronze	..... to .10	..... to .....
10.00 to 12.50	1.50 to 3.00	Gardenias, per doz.	.50 to 2.00	..... to .....
4.00 to 5.00	..... to	Gladiolus	2.00 to 12.00	..... to .....
8.00 to 12.50	10.00 to 12.50	Lilies, Harrisii and Longi	5.00 to 10.00	8.00 to 10.00
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 3.00	3.00 to 4.00
2.00 to 3.00	1.00 to 3.00	Mignonette	1.00 to 4.00	..... to .....
..... to	..... to	Orchids—Cattleyas	40.00 to 50.00	..... to .....
..... to	..... to	Orchids—Cypripediums	..... to	..... to .....
..... to .50	.20 to .50	Pansies, per doz. bunches	..... to	..... to .....
3.00 to 5.00	5.00 to 8.00	Peonies	3.00 to 10.00	3.00 to 5.00
..... to 2.00	..... to 1.50	Smilax, (per doz. strings)	1.25 to 2.00	1.25 to 1.50
.40 to .60	.50 to 1.00	Sweet Peas	.50 to .75	.25 to .40
..... to	1.00 to 3.00	Tulips	..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

WE ARE NOW BOOKING ORDERS FOR

BEGONIA LORRAINE
BEGONIA LORRAINE LONSDALE
BEGONIA AGATHA

JUNE DELIVERY

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be **twice shifted.** Orders filled in rotation. 2½-in. pots, $15.00 per 100, $140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

PAEONIES

For
The June Girls' Decorations

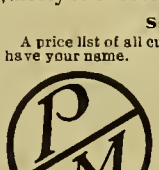
MOSTLY white and pink, the newer kinds and splendid large blooms too; some of the very delicate pinks, so beautiful in a church wedding, and plenty of pure whites—in fact, all shades. **$30.00** to **$50.00** per 1000.

RIBBONS

Some of the choicest novelties, exclusive patterns, an endless variety to choose from.

Supplies of all kinds—Catalogue on request.

A price list of all cut flowers is issued every Saturday. If you are not on the list let us have your name.



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The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St. 1212 New York Ave.
Philadelphia, Pa. Washington, D. C.
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Headquarters in Western New York

For Roses, Carnations,
And all kinds of Seasonable Flowers

WM. F. KASTING CO.
Wholesale Commission Florists
Dealers in Florists' Supplies and Wire designs
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Give us a trial—We can please you

EDWARD REID
Wholesale Florist
Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.
Our usual quality (the best)
1526 Ranstead St., Philadelphia, Pa.
Please mention the Exchange when writing.

flowers are excellent. His principal varieties are Beacon, Enchantress, Pink Delight, Helen Goddard and White Perfection.

William T. Walke of Salem has some good things in store for his customers this week. His pink Snapdragon is especially good.

Mann Bros. have a good cut of late outdoor Tulips which will be in fine shape for this week.

A. S. Parker of Stoneham has a fine house of Candytuft and finds it a remunerative crop at this season.

J. T. Butterworth of Framingham has a house of fine Spiræa Gladstone. He sells it cut and also in pots. He is cutting some Orchids, but is saving most of them for the exhibition.

A new nursery association is being formed for the promotion and protection of trees and shrubs that are to be sold in Massachusetts. Nurserymen had a hearing at the State House this week.

Mrs. John W. Duncan and daughter arrived safely at Spokane on May 6.

The gardens and grounds of Bayard Thayer of South Lancaster were thrown open to the public two days of last week, May 19 and 20, and immense crowds went to see and enjoy the display of Tulips and other early flowering plants. The grounds cover an area of 1000 acres, and all sorts of gardening is done there. William Anderson is superintendent of the gardens and grounds.

F. R. Pierson, chairman of the National Flower Show Committee has called a meeting at Horticultural Hall, Boston, for Wednesday of this week. The most important business to be taken up at the meeting will be to decide upon a hall where the Show is to be held.

S. J. Reuter & Son of Westerly, R. I., is shipping to Park st. Market some very good Roses. If the market was not so congested these would find ready sale.

William Nicholson of Framingham is cutting good Carnations and has a large cut for this week.

Thomas Roland has some good Lilies and Hydrangeas and he has a capital house of Candytuft from which he will cut this week.

Henry Hurrell, of Lager & Hurrell, Summit, N. J., arrived early on Tuesday at Horticultural Hall, ready for work on his large group of Orchids. Julius Roehrs, Jr., of Julius Roehrs Co., Rutherford, N. J., was also on hand for a similar purpose.

Newport, R. I.

Among the improvements at the establishment of Wm. Jurgens since our last visit we noted the addition of ample cellar space and a fine new ice-box for the storage of cut flowers prior to shipment. Also a storage house for bulbs 40 ft. x 20 ft. Mr. Jurgens has recently adopted the use of folding boxes of cardboard for shipping his flowers instead of the heavy wooden boxes formerly in use, and expects thus to effect quite a saving in expressage. With him Lily of the Valley is still a leading crop, but his Roses never looked better and will be a full crop for Memorial Day. My Maryland, which he claims is the finest pink Summer Rose in existence, and K. A. Victoria are leaders. Among newer sorts Mrs. Field promises well and is likely to prove a money-maker. Another fine Summer Rose is Wm. R. Smith; this is throwing up fine strong shoots, has heavy, glossy foliage, the buds are long pointed; the color of the flower is creamy white with pink shadings. It has sufficient fullness for a Summer Rose and, in addition, the same delightful fragrance as the American Beauty Rose. As a yellow Mrs. A. Ward promises well.

A new house, 200 ft. x 62 ft., is filled entirely with American Beauty for Summer bloom and, although only a short time planted, these have started out as if they meant business. For the new houses a Lord & Burnham sectional boiler is to be installed. Mr. Jurgens has now acquired all of the available space in the block and owns over 50,000 sq. ft. of land.

ALEX. MACLELLAN.

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

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HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

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"The Busiest House in Chicago"

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WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

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Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

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ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO.,

FLORISTS ST. PAUL, MINN.

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All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, May 24, 1910

Prices quoted are by the hundred unless otherwise noted

DECORATION DAY PRICE LIST

ROSES—American Beauty	
36-inch stems..per doz.	4.00 to 5.00
30-inch stems.. "	.... to 4.00
24-inch stems.. "	.... to 3.50
20-inch stems.. "	.... to 2.50
18-inch stems.. "	.... to 2.00
12-inch stems.. "	.... to 1.00
8-in. stems and shorts "	.... to .75
Killarney	4.00 to 6.00
" extra	.... to 10.00
White Killarney	.... to 10.00
Richmond	6.00 to 10.00
My Maryland	6.00 to 10.00
Bride, Maid, fancy special	6.00 to 8.00
" extra	6.00 to 7.00
" No. 1	.... to 3.00
" No. 2	.... to 2.00
Perle	5.00 to 7.00
Chatenay	4.00 to 6.00
Kaiserin	5.00 to 7.00
Uncle John	.... to 6.00
Mrs. Marshall Field	.... to 6.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Calla Lily	12.50 to 15.00
Chrysanthemums, doz.	.... to ....
fancy doz.	.... to ....
Corn Flowers	.... to .60
Daisies	.75 to 1.00

CARNATIONS	
Standard Varieties: White	2.00 to 2.50
Standard Varieties: Pink	2.00 to 2.50
Standard Varieties: Red	2.00 to 2.50
Standard Varieties: Yel. and Var.	.... to ....
Fancy (The highest grades of Sta'd varieties): White	4.00 to 5.00
*Fancy: Pink	4.00 to 5.00
*Fancy: Red	4.00 to 5.00
*Fancy: Yel. and Var.	.... to ....
Ferns, hardy, per 1000	.... to 3.00
Galax (green)	.... to 1.00
" (bronze)	.... to 1.00
Gardenias	20.00 to 30.00
Iris	2.00 to 3.00
Lilies, Harrisii and Longi.	12.00 to 15.00
Lily of the Valley	3.00 to 4.00
Mignonette	4.00 to 5.00
Narcissus—Paper White	.... to ....
Orchids—Cattleyas	50.00 to 60.00
" Cypripediums	15.00 to 20.00
Panalas	.... to .75
Peonies	4.00 to 8.00
Smilax	12.00 to 15.00
Sweet Peas	.75 to 1.50
Tulips	.... to ....
Violets, single	.... to ....
" double	.... to ....
	.... to ....
	.... to ....
	.... to ....
	.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

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19-21 Randolph St., CHICAGO, ILL.

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VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

Chicago

The week opened with the same unsettled showery weather that has been experienced for eight days, with sudden changes in temperature, a condition not at all encouraging to the trade.

The outlook for Decoration Day, with the right kind of weather, is very bright, as all report booking orders far in advance of any previous season.

Business was very satisfactory in the past week, stock being about equal to the demand. The quality of all crops coming into the market is excellent for the end of May.

There will be quantities of Peonies for Memorial Day, mostly Southern stock, as many are now in cold storage. There will be a few red local Peonies on the market, but no other color, and it is a question whether we shall have many of any other color later, as the light flowered kinds do not seem to have withstood the late storms.

Easter Lilies have come to the front and there is no doubt but what they will meet with a ready sale for the holiday.

We must not forget to mention the heavy call for small flowering plants that is being received from all points. The prediction is that owing to nothing whatever being in flower in the outdoor line, more plants than ever before will be sold for cemetery purposes.

The Rock Island Railroad management has determined to bring about a change in the appearance of depots all over the system, and floricultural decorations will be prominent in the general plans, with trees and shrubs at many of the stations where there is ground enough.

Daphne Hilmers, 12 years old, daughter of Henry Hilmers, our Chicago florist, has won great success as a pianist in the German capital. So remarkable did the Chicago Conservatory consider her talents that Kenneth Bradley wrote the venerable Joachim of Berlin telling him of her genius. He urged that she be brought there immediately. As she was only seven years old she could not enter the Royal Academy, and became a pupil of Fraulein Steng, in whose establishment she was thrown in company with children of royalty. For five years she has been the protégé of Princess Frederick Leopold and has enjoyed all the advantages of royalty. When Mrs. Hilmers became homesick and wanted to take her daughter back to Chicago for a visit the Princess objected and stated she would withdraw all support if the child were not permitted to remain in Berlin and become a German citizen, so that Germany might have the credit for her talent and education.

Frank Church, an old time florist, well known to all in the trade, was struck by an auto on Michigan ave., May 18, and sustained some painful injuries. Frank says he did not learn the number or occupants of the car as they did not stop. When he came to he was sitting on the curbstone. He was assisted to a hospital where his injuries were taken care of.

Harry C. Rowe says he has been kept very busy and closely confined to the store for some days, owing to the illness of Philip Eichling, his right hand man. Mr. Rowe says he is now very comfortably settled in the new home, 5051 Grand blvd.

That June weddings will play a conspicuous part in the florist trade is evident by the many weddings that are booked by our florists for the first week in June.

Mangel has four weddings scheduled for June 4, two to take place in Evanston and two on the North Side.

A. Lange has one of the largest affairs of the season in the wedding line at the Auditorium Hotel, June 1. Herbert Stone says the decorations are to be very elaborate. A special canopy will be built for the occasion, of Asparagus, and studded with many electric lights. Killarney Roses and Lily of the Valley will be used in carrying out the color scheme of pink and white. Vases of Austrian ware filled with Roses and Lilies will be used to decorate twelve tables, while large clusters of pink Peonies will be used on the walls, around the twenty electric lights.

Wittbold has the decorations for the wedding of J. L. Kesner's daughter, which will take place next week at the Standard Club, and promises to be an elaborate affair.

Friedman will also have a large wedding next week, which will take place at the Standard Club.

The Bohannon Floral Co. is still making effective corsage bouquets of Sweet Peas and Pansies that are greatly admired.

E. B. Washburn and wife, who have been in California since February, will arrive home Friday, May 28. Ned has fully recovered from his illness of last Winter.

Hoerber Brothers' stock is just on crop for Memorial Day, both in Rose and Carnation lines. Some of the finest Carnations, especially in reds and whites, are to be found here.

Chas. McKellar says that he is receiving a good supply of Cattleya Mossiæ which moves off nicely.

C. L. Washburn says he is overwhelmed with letters, all containing orders for stock for Decoration Day.

Mrs. Frank Beu says that their shipments in the plant line were never so heavy as this season. One day last week they shipped 1500 Geraniums besides many other plants.

Having disposed of their 110,000 Canna roots, Winterson's Seed Store are now stocking up with started plants, to further meet the demand for Cannas. Having anticipated the demand they have managed to arrange to fill all orders.

W. N. Rudd says that it will keep his force of 120 men busily employed at Mount Greenwood Cemetery to get the work of the lots completed by next Sunday. They will have to proceed at the rate of 450 lots a day to finish at that time.

Spero Swan, with J. Mangel, will enter the ranks of benedicts on June 20, when he will lead to the altar Miss Smeiton of Virginia.

Wm. Breitmeyer of Mount Clemens, Mich., spent several days in Chicago last week, visiting all the big local growers around the city.

Klehms Nurseries, of Arlington Heights, are shipping in extra fine Easter Lilies that will be highly appreciated with the extra call for stock this week.

No shortage in any line on orders received by them, is the report from the staff of Peter Reinberg.

The force at Frank Oechslin's worked all day last Sunday in order to get out the many orders they had on hand for plants.

The regular meeting of the Chicago Florists' Club will be held at the usual place and time on Thursday, June 21.

Visitors: John Bertermann, Indianapolis, Ind.; Joe Smeley, Aurora, Ill.; Chas. F. Rorr, Naperville, Ill.; A. C. Brown, Springfield, Ill.; B. Eldredge, Belvidere, Ill.; F. A. Thompson, Detroit, Mich.; Herman Wild, Sarcoxie, Mo.

Vaughan's Seed Store report that the counter trade, especially in bedding plants, is brisk, with the prospects of a continuance of the condition all week. Small flowering plants, in all lines, seem to be unusually scarce.

The advance sale on double white Narcissus far exceeds the expectations of the J. B. Deamud Co. The first shipment of Gladiolus America arrived at the company's store on Tuesday morning.

Bowling

The standing of the bowlers, for the Rochester team selection, on May 20 was as follows:

E. Johnson	3	541	180 1-3
L. Vaughan	9	1541	171 2-9
F. Pasternick	12	2053	171 1-12
E. Farley	12	2017	168 1-12
J. Zech	6	1004	167 2-6
Wm. Graff	12	1995	166 3-12
Wieczorowski	3	480	160
Geo. Asmus	9	1432	159 1-9
J. Huebner	12	1909	159 1-12
T. Yarnall	12	1861	155 1-12
V. Bergman	9	1380	153 3-9
Wm. Wolf	3	428	142 2-3
F. Lieberman	12	1695	141 3-12
Ed. Winterson	7	993	141 6-7
F. Ayres	9	1239	137 6-9
O. Goerisch	9	1233	137
F. Krauss	3	359	119 2-3
T. Vogel	5	607	121 2-5
T. Vogel	5	607	121 2-5

Indianapolis

The residence portion of Indianapolis is being decorated with porch boxes, flower tubs, hanging baskets, etc., at this time. Several of the growers have refused to sell direct to the public this season as they say it is more profitable to deal with the many small flower venders, who make the profits in this line very small for the regular tradesman.

Richard Koots of Bertermann's has a badly crippled hand as a result of a bicycle accident.

Earl Ealand narrowly escaped serious injury in a street car accident last week.

John Heidenreich and the Roepke-Rieman Co. report a heavy planting season.

Alfred Pahud is thinking of embarking in the flower business again, in another locality.

A. Benson and Alfred Brandt contemplate building small conservatories in connection with their residences.

W. W. Coles of Kokomo was a recent visitor.

Thomas Hart does the flower business of Tomlinson Hall Market these days, as he is the only one prepared to sell the public, also florists, hardy shrubs and plants in endless variety.

R. Burckhardt, E. Washington st., is offering a large quantity of Cannas. He is a newcomer in this line of business.

The seed stores all report a good season.

Irwin Bertermann has disposed of his residence and intends locating farther East. I. B.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable, in 5 colors including fringed varieties, from 2½-in. pots, $5.00 per 100, $15.00 per 1000; from 3-in. pots, $7.00 per 100, $65.00 per 1000, Now ready.

PAUL MADER,
East Stroudsburg, PA.

Please mention the Exchange when writing.

Alternantheras

Strong Rooted Cuttings

	100	1000
P. Major, Red	$0.50	$4.00
A. Nana, Yellow	.50	4.00
Brilliantissima, Best Red	.60	5.00

R. R. DAVIS & CO., Morrison, Ill.

Please mention the Exchange when writing.

SALVIA BONFIRE

Fine, Strong, Stocky Plants, $2.00 per 100. Cash with order.

E. B. JENNINGS
LOCK BOX 254 **Southport, Conn.**

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

Fine plants, from 4-in. pots, $8.00 per 100.

ASPARAGUS Sprengeri, strong, from 3-in. pots, $5.00 per 100.

VINCA Variegata, 4-in., new wood, $7.00 per 100.

EGG PLANTS, New York Improved, pot-grown, $2.00 per 100.

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

The Following Are A No. 1 Plants

From 2½ inch pots.

	Per 100	1000
FEVERFEW, double white	$1.25	$10.00
BLUE LOBELIA	1.25	10.00
ROSE GERANIUMS	1.25	10.00
MME. SALLEROI GERANIUMS	2.00	
CENTAUREA (Dusty Miller)	1.00	9.00
AGERATUM, Blue	1.00	9.00
VINCA, Green	1.00	9.00
GERMAN IVY	1.25	

CASH.

S. W. CAREY, Urbana, Ohio

Please mention the Exchange when writing.

PETUNIAS Single Petunias of Ruffled Giant, California Giant, and Ruffled, striped and blotched. A No. 1 stock, 2¼-in. pots, $2.00 per 100, $18.00 per 1000.

GERANIUMS, 4-in., in bud and bloom, Nutt, Ricard, Viaud, Peter Henderson, Buchner, Poitevine, and Rose Geraniums, $6.00 per 100, $50.00 per 1000.

SALVIA, 36,000 Bonfire, from seed, twice transplanted, large healthy stock, 90c. per 100, $7.50 per 1000. Cash please.

S. A. PINKSTONE, 206 Court Street UTICA, N. Y.

Please mention the Exchange when writing.

PETUNIAS

Fringed Ruffled Giants. From 3-in. pots, $3.00 per 100.

SNAPDRAGONS, White, Yellow, Crimson, Pink, or Mixed. From 2-in. pots, $2.00 per 100.

MIMULUS TIGRINUS, 3-in., $3.00 per 100.

CHRYSANTHEMUMS, Major Bonnaffon, from 2½-in. pots, $3.00 per 100.

ALBERT WM. BOERGER, GARDENVILLE N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

GERANIUMS

Strong, S. A. Nutt, from 4-in. pots, in bud and flower, $7.00 per 100.

VINCA Variegata, heavy, 3 feet long, 6-in. pots, $15.00 per 100; No. 1, from 4-in. pots, $8.00 per 100.

KILBOURN & WILLIAMS, CLINTON, N.Y.

Please mention the Exchange when writing.

Cincinnati

During the past week business reached a better condition. Stock was equal to the demand and sold well, in fact, I believe better than the Memorial Day business will be. It looks now as though all outdoor flowers in this section would be in full bloom for Memorial Day, which will decrease the sales of greenhouse-grown stock in this market. Farther north the holiday business will be better, as Peonies, Roses and outdoor stock in many instances, will not make May 30. Peonies are right in their prime at this writing, May 23, and will undoubtedly be a little on the scarce side for the holiday. Our retail florists are not expecting any special rush of business for the occasion.

C. J. Ohmer of West Palm Beach, Fla., is now shipping a fine new crop of Asparagus plumosus to E. G. Gillett, sprays of just the right length to suit the florists.

Sidney Wertheimer of New York was in the city last week; J. T. Herdegen of Aurora, Ind., was also a caller.

E. G. GILLETT.

St. Louis

Chas. W. Fullgraf is reported to be in Kansas City, Mo., where he has a number of heavy landscape contracts under his supervision; Charlie has had an extremely satisfactory start in his landscape business.

Florists who are adjacent to the big cemeteries in the North End are having a busy season in planting. The Koenig Floral Co. and F. H. Meinhardt do the bulk of the work as their places are just across the way from the two largest cemeteries. The season has been a backward one and everything is being rushed along.

Fred Ostertag, who is again with the firm of Ostertag Bros., was on the sick list last week, but will be on hand this week to help out on some big decorations the firm has contracts for.

Fred Foster reports that he will have his new place, The Paris Floral Co., open for business this week. His son, Fred, Jr., will take charge of the Foster Floral Co.'s store at Ninth & Olive sts.

Otto Sander, who is under the Maryland Hotel, had the contract to furnish all the window boxes of the hotel. His pretty show windows attract a great deal of attention along this busy thoroughfare.

Pierre Schnider got in last week from Springfield, where he resigned his position with A. C. Canfield, and is now head of the growing department of the Oakland Floral Co. at Kirkwood.

Mrs. George Ostertag has taken a position with her sister, Miss T. Baderacco, at 1316 Olive st. Miss Theresa has been very busy and needed extra help.

Aspidistras have been very much in demand of late, with most of the local florists short of supply. The demand is for porch decorations and the public has just awakened to the fact that it is one of the easy plants to handle.

W. E. Robinson, who has charge of the Chain of Rocks Park for the city water department, has a big force of men at work planting out. He will soon again have his big seven-foot globe of plants in position.

C. Young & Sons Co. have had a most busy season in plants, seeds and cut flowers. Their big force is working late to catch up with shipping orders.

The Schisler-Corneli Seed Co., St. Louis Plant Co. and Tinsley Seed Co. say they are having a most prosperous season in the sale of seeds. All had to engage extra help, which they still carry.

The Ladies' Home Circle have issued postals to their members to meet on June 8 at the Union Station, at the gate of the C. P. & St. Louis R.R., at 6.45 p.m. for a trip to Chautauqua, at which place they will spend the night and hold their meeting the next day, returning home in the evening. For any further information telephone Miss Meinhardt, the secretary.

ST. PATRICK.

Prices Advertised in these Columns are for THE TRADE ONLY

Geraniums

Per 100

8 varieties, 2½-inch pots $3.00
8 varieties, my selection, 3-in. pots. 4.00
ASPARAGUS Sprengeri, seedlings .. $7.00 per 1000.. 1.00
DOUBLE PETUNIAS, Seedlings ... 2.50

Cash. No C. O. D.

Coleus

Per 100

10 varieties, 2¼-in. pots $2.00
ASPARAGUS Sprengeri, 2¼-in. pots 2.00
ALTERNANTHERA, red and yellow 2.00

JOS. H. CUNNINGHAM, Delaware, O.

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Hurrah for the Bedding Plant Season!!!

GERANIUMS

5000 Double Grant, 3½-in., $6.00 per 100.
5000 Poitevine, 4-in., $6.00 per 100.
4000 Poitevine, 3-in., $4.00 per 100.
5000 S. A. Nutt, 3½-in., $6.00 per 100.
3000 S. A. Nutt, 3-in., $3.00 per 100.
5000 CANNAS, 3½ and 4-in., $6.00 per 100, in the following varieties: Queen Charlotte, Alph. Bouvier, Mme. Crozy.
5000 GERMAN IVY, 2½-in., $3.00 per 100.
3000 SALVIAS, $3.00 per 100.
DREER'S PETUNIAS, 3-in., $3.00 per 100.
5000 LEMON VERBENAS, $6.00 per 100.
5000 VERBENAS, 3-in., $3.00 per 100.
DUSTY MILLER, 3-in., $5.00 per 100.
GERANIUMS, Mme. Salleroi, 2½-in., $2.00 per 100.
COLEUS, various varieties, $2.00 per 100.
AGERATUM, 2½-in., $2.00 per 100.
IMPATIENS, Sultana, $5.00 per 100.
LOBELIA, 2½-in., $2.00 per 100.
ROSE GERANIUMS, 3½-in., $6.00 per 100.
ROSE GERANIUMS, 3-in., $4.00 per 100.

Cash.

ROBERT A. ELLIOTT, Morristown, N.J.

Please mention the Exchange when writing.

GERANIUMS

3000, 2-in. pots, S. A. Nutt, Buchner, Ricard, Viaud, Doyle and Grant, at $2.00 per 100, $18.00 per 1000; also 2-in. of the following, S. A. Nutt, Buchner, Doyle, Grant, and Ricard, at $4.00 per 100, $36.00 per 1000.

Cash with order.

FRED. W. RITCHY
Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

Geraniums

All 3-in., in bud and bloom:

S. A. Nutt, Montmort, Viaud, Castellane, and Ricard, $4.00 per 100. Early in June I will have about 20,000 ready to plant out, all the Standards, as Poitevine, Buchner, Doyle, and the above varieties, only strong, bushy plants. Cash please.

RUDOLF NAGEL, LANCASTER PA.

Please mention the Exchange when writing.

GERANIUMS

Buchner, Viaud, Jaulin, 3-in., in bud and bloom, $4.00 per 100.

Ricard, Poitevine, 2-in., $2.00 per 100; $18.00 per 1000.

Rooted Cuttings: Ricard, S. A. Nutt, Poitevine, Buchner and Viaud, $10.00 per 1000. Cash with order.

PETER BROWN, 124 RUBY STREET Lancaster, Pa.

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GERANIUMS

Fine, stocky plants, in bud and bloom, 4-in., Nutt, Poitevine, Ricard, La Favorite, Trego, Perkins, Jaulin, etc., $6.00 per 100.

Dark blue HELIOTROPE and Dwarf blue LOBELIAS, large plants, from flats, 75c. per 100, $6.00 per 1000.

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Price $3.50

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GERANIUMS

Nutt, Doyle, Poitevine and others, 2-in. pots, $2.00 per 100; 3-in. pots, $3.00 per 100; 4-in., $6.00 per 100.

SALVIA Bonfire, R. C., $1.00 per 100; 2-in., $2.00 per 100; 3-in., $3.00 per 100.

HELIOTROPES, 2-in. pots, $2.00 per 100; 3-in., $3.00 per 100.

ALYSSUM, Double Giant, 2-in., $2.00 per 100.

FEVERFEW, double white, 2-in. pots, $2.00 per 100; 3-in., $3.00 per 100.

VINCA Variegata, 2-in., $2.00 per 100; 3-in., $3.00 per 100; 3½-in., $6.00 per 100.

AGERATUM Gurney, 2-in. pots, $1.60 per 100.

VERBENAS, red, white and purple, 2-in., $1.50 per 100.

ASTERS, 2-in. pots, $1.00 per 100.

PHLOX, Margnerite CARNATIONS, Single Star **PETUNIAS,** 2-in. pots, $1.50 per 100.

PANSY PLANTS, 50c. and $1.00 per 100; $5.00 to $8.00 per 1000.

COLEUS, 2-in. pots, $2.00 per 100.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

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DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and **Golden Bedder,** 2¼-in. pots, $2.00 per 100; **Rooted Cuttings** of the same, $6.00 per 1000; **Rooted Cuttings** in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.

Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

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GERANIUMS

Rooted Cuttings.

Ricard, Poitevine and S. A. Nutt, at $10.00 per 1000; delivery made any time wanted, let me book your order, or send for sample and see the class of stock I send out.

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Rooted cuttings free by mail at $1.25 per 100; Mixed Varieties, all of them good ones.

SMILAX and SPRENGERI

Good stock, let me send you a sample.
Smilax, $12.50 per 1000.
Sprengeri, $15.00 per 1000.

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LANCASTER, PA.

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S. A. Nutt and **Castellane,** 4-in. pots, in bud and bloom, $5.50 per 100.

VINCA Variegata, 3-in. pots, 3 to 8 vines, $4.00 per 100.

B. F. BARR & CO. Keystone Nurseries Lancaster, Pa.

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Mme. Salleroi Geraniums

3-inch Pots, $3.00 per 100

Cash with order

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is pure plant food, immediately available. It permanently enriches the soil. It prevents the onslaughts of plant disease, or insects and pests. Can be used at any time during the growing season, dry or in solution.

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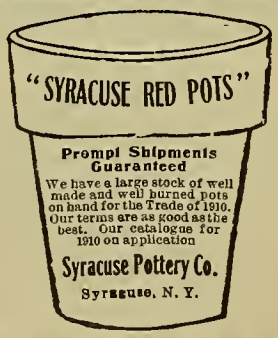

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is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

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	Price per crate.		Price per crate.
1500 2 in. pots in crate, $4.88		120 7 in. pots in crate, $4.20	
1500 2½ " "	5.25	60 8 " "	5.00
1500 2¾ " "	6.00	HAND MADE	
1000 3 " "	5.00	48 8 in. pots in crate, $6.40	
800 3½ " "	5.80	48 10 " "	4.80
500 4 " "	4.50	24 11 " "	3.60
456 4½ " "	5.24	24 12 " "	4.36
320 5 " "	4.51	12 14 " "	4.60
210 5½ " "	3.78	6 16 " "	4.50
144 6 " "	3.18		

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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August Rolker & Sons, Agts., 51 Barclay St., N.Y. City

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Los Angeles, Cal.

Our board of park commissioners have, after carefully considering all applications for the position of superintendent of our park system, which is the largest of any municipality in the United States, selected Frank Shearer to fill the place. He is a Scotchman who came here from Denver, some time ago, for the benefit of his health. He came into the business when a boy of 15, as a gardener's apprentice on the estate of the Duke of Richmond and Gordon, following this with experience in the Royal Botanical Gardens, Edinburgh. While there he took a university course in horticulture and forestry. He came to this country several years ago and Andrew Carnegie found use for him in the landscape work at "Dungeness," the Florida Winter residence of the Scotch ironmaster. Later he did similar work on the Gould and Untermeyer estates near New York. Before coming to Los Angeles he was connected with the Denver Park Department as landscape engineer, forester and superintendent of construction, a part of his work being on the boulevards of that city. Denver officials highly recommend him.

Readers of these notes will remember the "ideal" park superintendent as described by one of our commissioners, which I quoted in the EXCHANGE of April 30, and now every gardener about town is wondering if the new man will even approximately measure up to that standard of excellence. A stranger to the fraternity here, we shall welcome him, and wish him every success in the stupendous task which faces him. In a land where the activities in gardening are never suspended because of cold or heat, and seldom by rainfall, the ingenuity of any man, no matter how richly endowed with knowledge, either inherent or acquired, and his ability as a gardener, will constantly be taxed to the limit.

Anton C. Zvolanek of Bound Brook, N. J., en route to his Sweet Pea seed farm at Santa Barbara, stopped in town May 17. He astonished us by saying that all Sweet Pea seed which he plants annually in this State is grown under glass at his New Jersey greenhouse establishment.

Dieterich & Turner are planning to add two more houses, each 50x200 ft., to their Montebello establishment, for growing Roses and Carnations.

Howard & Smith have added a motor wagon of five ton capacity to their transportation equipment. And all this activity on the part of our nurserymen to meet the requirements of the trade, which is going forward in leaps and bounds, with the rapid development of southern California. P. D. BARNHART.

The Week's Work

BY

FRITZ BAHR

Bedding Out

Conditions the Geraniums, Cannas and Salvias Like.

If you plant a Geranium in light soil which contains much manure, you will have any amount of foliage and stem but very few flowers; directly the opposite from what to expect from a Canna. Give a Geranium a stiff loam or heavy clay soil, little manure and water, but plenty of cultivation; this, with plenty of sunshine will produce a short stocky growth and no end of flowers. You cannot get good results with Geraniums in a shady place—in fact, any of our bedding plants we grow for flowers need sun, but a Geranium, above all others, needs every hour of sun there is to be had. The Cannas, whether you grow them for flower or foliage effect, or both, as most of us do, need deeply cultivated, rich soil. They are great feeders and love moisture; and while a Geranium, if the soil is kept cultivated, can stand weeks of dry weather and look good, the Cannas want watering if good leaves and flowers are expected. You cannot mix too much manure with the soil when preparing the Canna beds, nor dig the soil over too deeply. The Salvias also like a rather heavy soil and should not be given too much manure unless you wish to plant tall growing varieties and to get them to grow seven feet in height before the end of the season. If you grow that grand bedder Zurich, allow 15 inches between the plants each way, and you will have perfect specimens, covered with flowers all Summer long, plants hardly over 15 to 18 inches in height; they love plenty of water but if planted out where there is poor drainage, they will soon play out; while they will do fairly well in a half shady place they do better where they get the full sun.

Tuberous Rooted Begonias

Their Requirements as Bedders

The Begonias, with few exceptions, all have very fine roots, quite different from most of the other bedding plants we make use of, therefore use a fine, mellow soil in the beds or borders they are to be planted in; not that they will not grow in heavy soil, but they do better in the other. What is really of more importance is the location of the beds or borders; to give the plants a place where the sun strikes them all day would be wrong, their beautiful leaves would soon be scorched. Select a half shady position, where the plants are protected against the hot rays of the

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The best of all the tobacco dusts for Dusting or Fumigating
25 lbs., $1.00 100 lbs., $ 3.00 1000 lbs., $27.00
50 lbs., 1.75 500 lbs., 14.00 5000 lbs., 62.50
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noonday sun. For bedding out, the small plants, those started late, are better than plants which have been blooming for a couple of months inside. Give the plants 12 inches of space, they don't look well crowded. When it comes to a suitable border plant for a Begonia bed, Mme. Salleroi Geranium fills the bill about as well as anything I know of; the color of the foliage harmonizes with any of the shades appearing in the Begonias, and the variety does not seem to mind the shade required for the Begonias in the least. While not a great admirer of formal bedding, of whatever kind it may be, as long as it is practised and there is a demand to be supplied in that line I claim that a border of some kind around a bed, whether it is a Geranium, Salvia, Canna or Begonia bed, adds a great deal; without one a bed isn't finished, there is something lacking, and every formal bed should have one. While a number of other plants are suitable for use around the Begonias, the Salleroi Geraniums will do nicely.

The Perennials

Seasonable Notes on the Flowering Stock

Soon we shall have many of the old favorites in bloom once more, the Peonies, Oriental Poppies, Delphiniums, Aquilegias, Iris—all these, and many others come into flower about the same time, in fact during June we have the greatest display in the perennial border. At no other time of the year are there more gorgeous colors or finer foliage to be seen. To have every plant show at its best means proper attention to the cultivation of the soil. Don't allow weeds to cover the surface! A light mulch of well rotted manure after cultivating is of great help; it not only gives nourishment to the plants but adds to the attractiveness of the border. The Delphiniums will produce stems 4 to 5 ft. in length; don't allow them to break down, for this will spoil their looks; support them in some way, it pays, even if the plants are not in the show border but in the nursery row. You cannot dispose of a flower with a crooked stem as well as one with a straight one and it does not take much of a wind to fell the strongest of them. The Peonies are also benefited by support of some kind, especially if you have only a few choice specimens on the grounds, as many of us have. Where the plants are grown by the thousands, and the stems cut for shipping when the buds are still closed, it doesn't matter much whether they are tied up or not. A plant, however, allowed to come into full bloom needs support of some kind to show the flowers to their best advantage. Most of us conducting retail businesses have call for the plants in Spring and Fall, and find it hard to keep the colors separate, but as this is of great importance the time of flowering should be taken advantage of to put the proper labels on the plants as they bloom. Your customers are not likely to ask you for Mary Stuart or Rosea plenissima superba Peonies; nine chances out of ten a good white or red is asked for and it is your place to be able to supply the proper color.

Hardy Plants

Sow Now If Good Sized Plants are Wanted by Fall

Don't worry about the great number of varieties of perennials which are offered; for the average florist it would never pay to try and handle every sort which is pictured and described by the specialist, and of which there are hundreds, all beautiful in their way and many of them suitable for the border of the average customer. Twelve to 15 is the number of the old standby's and better known varieties, such as every retail florist should have in stock. Here, as with things in other lines, I suggest confining one's self to about a dozen or so of the mostly widely known varieties, and endeavoring to have a good stock of them on hand. If a customer should ask for a certain sort not on hand, you will have but little trouble in getting it in short order. The retail grower can't possibly carry anything which brings him better returns and costs him less to handle than the hardy stock, and the demand for it is constantly increasing. No better time than the present to sow out quite a number of perennials which will, if taken care of during the Summer months, make salable plants by next October or next Spring. A cold frame will come in nicely. Gaillardias, Foxgloves (Digitalis) Coreopsis, Canterbury Bells, Oriental Poppies and Border Pinks are among the perennials to be sown now, or during this month; and do not overlook Primula veris superba, the English Cowslip. We have some plants in bloom now, grown from seed sown one year ago and they are a sight; they were outdoors all Winter, protected only by a few leaves. This not only makes a beautiful border plant but is ideal for bringing into bloom indoors for Easter; a low dish filled with them, in full bloom, always finds a buyer.

Primula Obconica

Don't Overlook Sowing Seed of This Important Plant

If I were asked to name three of the most useful flowering pot plants for Winter use, for the retail grower, I certainly would mention Primula obconica as one of them, and the time to think about growing a good supply for another year is not next December and January, when you see them in bloom at your neighbors, but now, when it is time to sow out the seed. We have our batch up and transplanted already. However, seed sown now will make excellent plants by Fall. If you want extra large flowers, equal in size, almost, to the Chinese varieties, get P. obconica gigantea, but for most of us this sort doesn't flower freely enough to suit. P. obconica grandiflora is far better in that respect, even if the flowers are somewhat smaller. The number of flowers is of great importance with the obconicas, where the plants bloom more or less for five months. There is a fringed sort, of the grandiflora type, very good indeed; also a compact growing one which is offered as compacta. Yet, for all around purposes, none of them is quite as good as grandiflora. And about colors: the white is to be preferred; there are some beautiful shades of light pink and lavender, but out of a package of seed of either one of these one gets always such a great percentage of bad colors that it really doesn't pay to bother with them when only a few plants of each are wanted, and by buying seed of the white sort you will get most likely quite a few light rose and lavender sorts.

A Few Other Florist's Primulas

All of Value to the Retail Grower.

Outside of the obconicas the large flowering Chinese Primroses come perhaps next in importance of the many Primulas we have. Seed of them may also be sown now. Get the best "Mixed" your money can buy, and you will get flowers of great size, beautiful shades and grand foliage. P. stellata is one of the greatest bloomers, and a most decorative plant when covered with large trusses of small, star shaped flowers. Grow a few! P. floribunda is to be recommended where a yellow sort is desired; you don't need a great number, but a few, when well grown, are always admired in the show house. In 1896, when we first heard of the Baby Primrose—P. Forbesi—it created quite a sensation, and hardly a plant arrangement was complete without a few plants of them, with their sprays of Gypsophila-like flowers of rosy lilac color; and I am under the impression that far more should be grown by the man who has a retail trade to supply. Nothing is of more easy culture and there are so many uses this great bloomer can be put to that more of it should be seen. There isn't anything I know of that the average florist grows during the Winter months, outside of Stevia, which is as light and airy as the sprays of the Baby Primrose. It blooms, if sown out now, from October until Easter, and like the obconica, wants a little more heat than the Chinensis and loves plenty of root room.

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SASH, BARS, in all lengths up to 32 feet.
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Washington, D.C.

Leapley & Myer, a firm of two young men, the former of whom was for seven years foreman in the store of F. H. Kramer, have started in business for themselves at 907 G. st., N. W. Mr. Myer was with Mr. Kramer also, for three years. These young men have a fine location, and on Saturday, their first day in business, reported sales in excess of their expectations. At present they are handling chiefly a miscellaneous lot of bedding plants, which are moving well. They also carry a liberal stock of cut flowers.

The stores about town are well filled with Peonies in all grades, and quite a number are being retained in cold storage until Memorial Day, when the crop about here will be pretty well over.

The various city parks have been planted with bedding plants, and while in some the gorgeous array of Crotons has already been set out, other Crotons are being hardened off gradually prior to their removal to the open ground.

G. E. Anderson of Ballston, Va., has succeeded Peter Bisset in charge of Twin Oaks, the magnificent estate of the late Mrs. Gardiner G. Hubbard, on Woodley Lane. Mr. Anderson is disposing of his place and business. JAS. L. CARBERY.

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Illustrating the easy manner with which our Concrete Benches can be installed in your houses.
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San Francisco

The Market

There is very little to report regarding market conditions this week. Business on the whole is good, and while no fancy prices are recorded, growers are having no cause for complaint, as flowers, though plentiful, are being cleaned up in pretty good shape. Carnations are still plentiful and growers are satisfied to get any price at all for them. Roses are in season, and some very fine lots have been disposed of this week. Taken all in all, there is quite a demand for Roses and prices are remarkably good in this line. The variety Cecile Brunner is one of our most popular Roses at present, and the stores have been handling immense quantities of them for some time past. Gladioli are becoming more plentiful and prices are not quite so good as they might be. The Bride is one of the most popular varieties, in fact, florists can never seem to get enough of it. Spanish Iris, like Carnations, are overabundant, and it is hard to figure prices on them, most growers being content to get anything at all. Lily of the Valley is not quite so plentiful; and there is a perceptible slackening in the supply of Orchids. Outdoor flowers such as Sweet Peas, Peonies, Cornflowers, Gaillardias, Coreopsis grandiflora, Stocks and Tritomas are very plentiful and outrageously cheap.

In the plant line there is little change. Some very nice Hydrangeas are to be seen in the stores and quite a few Pelargoniums are making their appearance. There is quite a call for Palms in 5-in. and 6-in. pots, and they are none too plentiful.

Among the Retailers

Podesta & Baldocchi report having had steady business for the past two weeks, several fashionable weddings for which they had the decorations having helped them considerably.

Sievers' store on Powell st., probably one of the best situated stores in the city, and one of the busiest, reports that there is no cause for complaint as regards business, a good steady volume having been the rule for some time past.

The Art Floral Co. is having quite a brisk demand for design work of all descriptions, for which class of work it has a well-deserved reputation.

Pelicano & Rossi have been making some remarkably fine window displays recently. They look forward to an increased demand for flowers from now on.

Eppstein, the St. Francis florist, has been handling some very fine flowers recently. Mr. Eppstein makes a point of handling nothing but the best grades of flowers, a principle which is to be commended.

Clark Bros. of Oakland have been doing great business of late; weddings appear to be plentiful over their way, judging by reports.

Various Notes

Frederick Seulberger of Oakland has been appointed horticultural inspector for that city.

Lælia purpurata and Cattleya Mendelii are the great attractions in the Sievers' store this week.

The J. A. Baur Pottery Co. of Los Angeles have been doing a large business in pots this year. This concern turns out a very fine grade of pots, at a reasonable cost, and they are being rewarded this season by a largely increased trade.

David Basset of Ross, Marin County, was in town this week.

H. Plath of Ocean View is bringing some fine Valley into the market these days. Two large houses of Smilax at his place look as if they were making money for him.

One carload of Roses and Camphor trees in tubs arrived this week for one of the MacRorie-McLaren contracts in the vicinity of Redwood City.

L. Blochman of Santa Maria was a recent visitor in town.

A regular typhoon swept the Bay cities on Saturday evening, May 13, and growers in Oakland and vicinity got a scare which they will not forget in a hurry. Domoto Bros. of Elmhurst lost heavily, and the damage done by wind will probably amount to several thousand dollars. The large range of glass now in the course of construction was completely destroyed, while the outside stock of rare and expensive shrubs suffered greatly. Other growers all along the Bay suffered more or less.

The Rhododendrons at the main entrance to Golden Gate Park are in full

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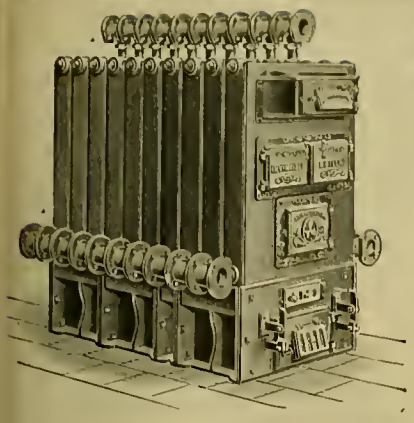

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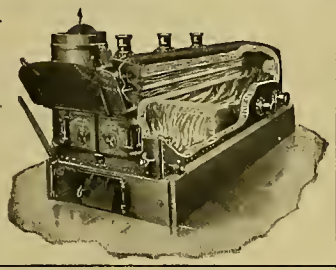

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bloom at present and are attracting lots of people. The Tree Ferns in the dell are worth going a long way to see; Cyathea medullaris, is exceptionally fine, as also is Dicksonia antarctica.

The largest shipment of Cycas circinalis ever brought into America was received by the MacRorie-McLaren Co. this week, who are busy distributing them at present.

Favored with beautiful weather the Pacific Coast Horticultural Society's outing to the Gill Nursery at West Berkeley on May 14 was a decided success. There was a large turnout of members and their friends, and the magnificent display of Roses in bloom well repaid them for their visit.

The Golden Gate Park conservatories are looking brilliant these days. A house of Calceolarias is the principal attraction.

Everything points to Calla bulbs being high priced this year. Latest reports from growers who make a specialty of them are anything but satisfactory, so far as quantity of the bulbs is concerned.

Weather conditions in San Francisco and vicinity continue to be ideal, and business shows an improvement all round.

WM. MCM. BROWN.

Kalamazoo, Mich.

Favorable weather having at last arrived, the bedding plant trade now receives its harvest, and those handling this line of goods are being rushed to the utmost. Geraniums apparently are as popular as ever, closely followed by Salvias, while Coleus seems to have lost ground. Porch boxes and baskets constitute, as usual, one of the most paying lines of the business, but I regret to find, even at this early date, evidences of prices being cut to near cost. Four-inch Geraniums are, I am told, already being sold for ten cents, a price altogether too cheap, especially when planted out and delivered free.

The outlook for Memorial Day's cut flowers has not improved during the past two weeks, and the big shortage of Carnations will have to be met with other stock; but this year substitutes are hard to find, as outdoor stock usually at hand is either past or not ready. Again Carnations with us are called for on this occasion in preference to any other flowers. The local press appears to have interviewed some of the retailers on the subject, and a sensible article on the expected scarcity of flowers for Memorial Day was published this week. Whether, however, it will be effective in preventing kicks against the high prices that are bound to prevail remains to be seen.

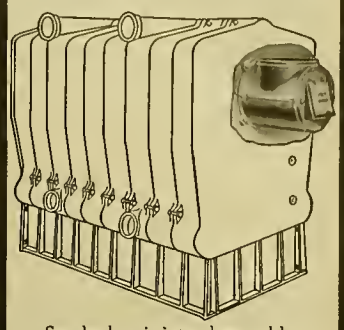
Mrs. Fisher, wife of H. A. Fisher, who recently underwent an operation at the Borgess Hospital, is reported to be doing well. The Fisher Co. gained a good write-up in the papers for work done at the Elks' May Day Festival, it being described as one of the best pieces of work out this season.

The Central Nursery Co. is at present moving into their new store on Burdick st.

S. B.

SAGINAW, MICH.—J. B. Goetz Sons have purchased eleven acres of land on Mackinaw st. and will use it for purposes of their florist business.

The Burnham



Smoke box is interchangeable, so pipe can be attached at back, top, sides or bottom if you want to—without buying a thing extra—simply a turn of the bolts.

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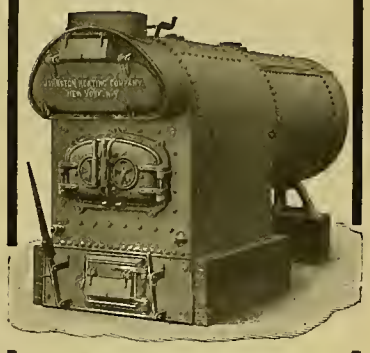

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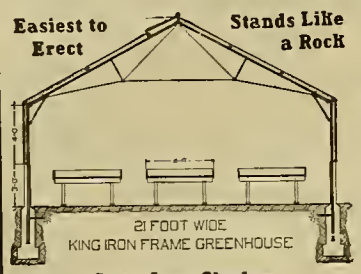

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KING CONSTRUCTION CO., NORTH TONAWANDA, N. Y.

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Why Not Buy Good Greenhouse Material?

YOU can't expect to keep up with your wide-awake neighbor if you are going to build cheap houses and use low priced lumber. Good flowers cannot be grown in a barn. It doesn't pay to spend too much on the greenhouse either, for there are extremes both ways—build modern, up-to-date, durable houses, but get them at a reasonable cost. Figure out the length of time the houses will last in comparison to the cost—make an estimate on the profits you will get during the life of the plant. You will soon come to the conclusion that our Semi-Iron Greenhouse is the house that makes money for you—our prices are not high and you get more bench room for your money. Get the most you can for your money, but be sure you get good material.

Send for our Catalogs:
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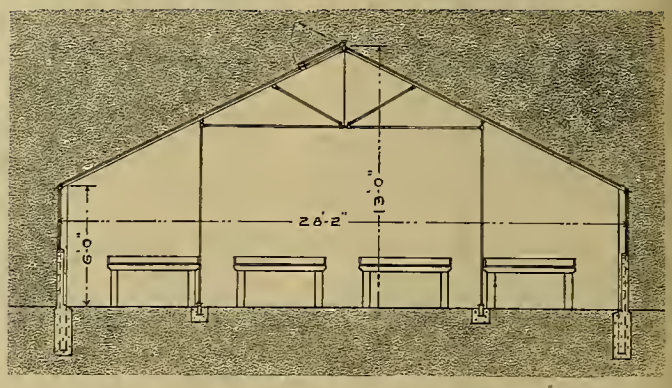

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PUT IT UP TO THE FIRM WHO KNOWS

You decide to build—decide how long and wide the house is to be—decide you want an up-to-date construction—decide in your mind that a house to meet your requirements ought to be bought for about so much. Then what is your next move—do you begin shopping about from firm to firm? Some of you do, we are afraid, but the long headed, practical grower puts it up to the firm who he knows, knows. He gets their price, considers *what* he is to get *for* that price, pays the price and gets exactly what he pays for. *Gets what he pays for,* do you mind those words?

He planks down his money with a comfortable sort of satisfactory feeling that his house is the best possible to buy for the money. He knows he has a house backed by a firm who "makes good"—he knows they make good because they *have* made good for over half a century. There is only one firm who has been in the business half a century. You know that one firm knows its business. So let us repeat: put your greenhouse building up to the firm who knows.

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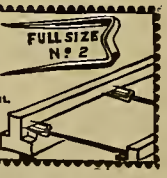

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2¼-inch pots, $7.00 per 100; 3-inch pots, $12.00 per 100; 4-inch pots, $18.00 per 100.

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Golden Bedder, Golden Queen, Verschaffeltii, Queen Victoria, Fire Brand and Beckwith's Gem, 2¼-inch pots, $2.50 per 100; $20.00 per 1000.

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2¼-inch pots, $2.50 per 100; $20.00 per 1000.

We have left unsold in grafted Roses
500 Bon Silene, 350 Rhea Reid, 250 President Carnot, 100 Mme. Hoste, 75 Etoile de France,
3-inch pots, $18.00 per 100; $150.00 per 1000.

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PLANT AT ONCE

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$50.00 per 1000.

Also have **Bon Silene, Safrano** and **Rhea Reid**, at $35.00 per 1000.

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GERANIUMS, Ivy-Leaved, in 6 good sorts at $2.00 per 100, $18.50 per 1000; 3-in., $3.00 per 100, $25.00 per 1000.

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CINERARIA, Maritima Candidissima	2.00	18.50	3.00
APPLE GERANIUMS	2.00	18.50	4.00
ALTERNANTHERAS, Red and **Yellow**	2.00	18.50	3.00
COLEUS, Golden Bedder and **Verschaffeltii**	2.00	18.50	3.00
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PETUNIAS, Double Mixed Colors	2.00	18.50	3.00
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DAHLIA PLANTS, from 2-in. at $2.00 per 100 up; for $18.50 cash, we will send 1000, 50 each of 20 distinct varieties including Show, Decorative and Cactus.

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Cash with Order. Visitors Always Welcome.

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12 inch bowl	$1.25	$13.00
14 inch bowl	1.50	16.00

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RAWSON'S BEAUTY CINERARIAS

BOTH TALL AND DWARF, EVERY PLANT A PRIZE WINNER.
Trade Package $1.00

W. W. RAWSON & CO., Seedsmen
5 UNION STREET, BOSTON, MASS.

Please mention the Exchange when writing.

'Sparagus Seeds, Etc.

FOR IMMEDIATE DELIVERY

ASPARAGUS

ASPARAGUS plumosus nanus. True greenhouse-grown. 60c. per 100 seeds, $1.20 for 250 seeds, $4.00 per 1000 seeds.

plumosus nanus. California-grown. 50c. per 100 seeds, 75c. for 250 seeds, $2.00 per 1000 seeds.

Sprengeri, 25c. for 250 seeds, 75c. per 1000 seeds, $3.00 for 5000 seeds.

DRACAENA australis. Broad foliage. $1.00 per 1000 seeds, 15c. per 100 seeds.

Indivisa. Long slender leaves. ¼ lb. $1.00, pkt. 10c., oz. 30c.

PALM SEEDS

	Per 100	1000	10,000
Kentia Belmoreana	$0.50	$4.00	$37.50
Cocos Weddelliana	1.00	7.50	70.00
Areca lutescens	1.00	7.50	70.00
Latania Borbonica	.30	2.50	20.00
Phoenix Canariensis	.30	3.00	27.50
Musa Ensete	1.00	7.50	

PRICES UPON LARGER QUANTITIES UPON APPLICATION

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., N. Y. City

Please mention the Exchange when writing.

RUSH ORDERS

Flower Seeds, Market Garden and Field Seeds, all kinds of Tender and Hardy Plants, Tuberoses, Dahlias, Gladioli, Small Fruits.

RUSH ORDERS

JAMES VICK'S SONS
ROCHESTER, N. Y.

Please mention the Exchange when writing.

Thorburn's Bulbs

We are booking orders now for Harrisii and Formosum and other Japan Lilies; also Roman Hyacinths and Paper White Narcissus.

J. M. Thorburn & Co., 33 Barclay St. NEW YORK

Please mention the Exchange when writing.

MICHELL'S SEEDS GIVE RESULTS
1018 & 518 MARKET STREET.
PHILADELPHIA, PA.

Please mention the Exchange when writing.

Seasonable Seeds for the Florists

H. E. FISKE SEED CO., Boston, Mass.

PURITY

House of Purity Freesia, as grown for the Stumpp & Walter Co.

The Best and Most Salable Freesia in the American and European Markets

OUR stock of this now popular and famous Freesia is the largest in this country. We have bulbs that have been grown under glass (the illustration shows one of our houses), also bulbs grown by the originator, R. Fischer. Both of these stocks are the true Purity stock, from which we receive our bulbs. The very highest quality is guaranteed. The demand for this variety in all the wholesale markets is persistent and universal. Its popularity is undiminished; practically it has no competitor.

PURITY ("Greenhouse Grown")

	100	1000
Mammoth size	$3.50	$32.50
First Size	2.50	22.50
Second size	2.00	18.00

PURITY (Fischer's Original Stock)

	100	1000
Mammoth size	$3.00	$25.00
First size, selected	2.25	20.00
First size	2.00	18.00
Second size	1.75	15.00

For prices on other varieties of Freesia Bulbs, also for all other Bulbs for Fall delivery, send for quotations.

Stumpp & Walter Co. 50 Barclay St. NEW YORK

Please mention the Exchange when writing.

SOW NOW
CHINESE PRIMROSE
England's Prize Strain
Prize Fringed Mixed, of superlative merit. Per 100 seeds, 25c.; 500 seeds, $1.00; 1000 seeds, $1.75.
CINERARIA
English Prize Mixed, unsurpassed for brilliancy of colors and size of flowers. 500 seeds, 60c.; 1000 seeds, $1.00.
JOHNSON SEED CO.
217 Market Street
Philadelphia, Pa.
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SEASONABLE SEEDS
CALADIUM esculentum, Fancy Caladiums from Brazil.
GLADIOLI, all sorts. Japan IRIS.
Japan LILIES.
Double-flowering CHERRIES.
Send for our new Spring list.
H. H. BERGER & CO.
70 Warren St., New York City
Please mention the Exchange when writing.

PRIMROSE SEED
IMPROVED CHINESE
Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 600 seeds, $1.00; 1000 seeds, $1.50; half pkt., 50c. Have the varieties separate, also.
PRIMULA OBCONICA GRANDIFLORA, Finest New Giants Mixed, 1500 seeds, 50c.
PRIMULA Kewensis, the grand, new, sweet-scented, Yellow Primrose, pkt. 25c.
CALCEOLARIA, Dwarf Giant Flowering, Spotted and Blotched, Extra Choice, trade packet, 50c.
CINERARIA Finest large-flowering dwarf, mixed, 1000 seeds, 50c.
GIANT PANSY The best large flowering varieties, critically selected. 6000 seeds, $1.00; half pkt., 50c.; oz., $2.50. 500 seeds of Giant Prime. Perret Pansy Seed added to every $1.00 pkt.
CASH. Liberal extra count.
We can please you.
JOHN F. RUPP, SHIREMANSTOWN, PA.
RUPPTON: The Home of Primroses
Please mention the Exchange when writing.

BURPEE'S SEEDS
PHILADELPHIA
Blue List of Wholesale Prices mailed only to those who plant for profit.
Please mention the Exchange when writing.

Watch for our Trade Mark stamped on every brick of Lambert's
Pure Culture Mushroom Spawn
Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address
P. C.
Trade Mark American Spawn Co., St. Paul, Minn.
Please mention the Exchange when writing.

"BUDS"
76 Barclay St, NEW YORK
HIGH GRADE SEEDS BULBS and PLANTS
CARL R. GLOECKNER, Pres.

WINTER FLOWERING SWEET PEAS
ALL COLORS
SEND FOR LIST
ANTON C. ZVOLANEK, Bound Brook, N. J.
Please mention the Exchange when writing.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.
Please mention the Exchange when writing.

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY
Please mention the Exchange when writing.

CAULIFLOWER CABBAGE SEED
MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK
Please mention the Exchange when writing.

Asparagus Plumosus Nanus
NEW CROP
100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50
SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.
Our Flower Seed Catalog free on application
THE MOORE SEED CO., 539 Market Street PHILADELPHIA, PA
Please mention the Exchange when writing.

Tuberoses SPECIAL OFFER
DWARF DOUBLE PEARL, $1.00 per 100, $7.50 per 1000.
WEEBER & DON
SEED MERCHANTS and GROWERS
114 Chambers Street NEW YORK
Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO
BOSTON, MASS.
SEEDS
For Florists, Market Gardeners and Critical Buyers
Wholesale list mailed to those using seeds in quantity
Please mention the Exchange when writing.

Cabbage Plants
All-Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ball-Head, at 20 cents per 100, $1.00 per 1000; 10,000 and over at 85 cents per 1000.
Egg Plants
Black Beauty and New York Improved, 40 cents per 100, $2.00 per 1000.
Pepper Plants
Bull Nose, Ruby King, and Sweet Mountain, 40 cents per 100, $2.00 per 1000.
Cash with order.
R. VINCENT, Jr. & SONS CO.
WHITE MARSH, MD.
Please mention the Exchange when writing.

Sweet Potato Plants
A large stock of Sweet Potato Plants now ready, YELLOW NANSEMOND, BIG STEM JERSEY, and EARLY GOLDEN, 1000, $1.25; 10,000, $10.00.
H. AUSTIN CO.
FELTON, DELAWARE
Please mention the Exchange when writing.

AMERICAN SEED TRADE ASSOCIATION
President, J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Dunyea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard H. Vaughan, Chicago. 28th Annual Convention at Atlantic City, N. J., June 21, 22 and 23.

IMPORTS, ETC.—May 24.—J. M. Thorburn & Co., 1 bag flower seed. May 26.—Maltus & Ware, 12 cases living plants.

AUGUSTA, GA.—The N. L. Willet Seed Co. is occupying its new quarters at 849 Broad st. The new store is commodious and attractive in every respect, and its three floors brilliantly lighted. The office is on the second floor, the whole width of the building, looking out upon Broad st. through three 15-foot windows. This office is one of the largest to be found in the entire city. The wholesale business of the firm will still be continued at the Doolittle warehouse, the new store being used only as a retail depository and office.

European Notes

Summer has burst upon us all at once and the change it has made in the appearance of our growing crops is simply marvellous. Provided we do not get a setback later on everything looks quite safe and ready to make up for lost time. There is a large number of Beet plants and Mangels yet to be transplanted, but it is doubtful if anything will be done with them. A superabundance of water still causes trouble in western France, in fact there have been some further inundations during the present week. Where this occurs it is not possible to do anything but wait and hope. Hemp will doubtless be sown in considerable quantities this year.

Where Beets have been planted on higher, drier land, they look as well as at this time last year; let us hope they will have better times later on.

Spring-sown Radishes are now ready for transplanting and, where the land is ready, the weather is all in favor of this important work. This should encourage the few growers who have been brave enough to make the venture; every seedsman hopes that they will be amply rewarded.

The hot rains have brought Turnips on apace and conditions are at present all in their favor.

Rutabagas are stalky and rather too weak to produce very heavy crops, but a judicious topping and a light dressing of nitrate may secure at any rate half a crop.

WARD'S LILY BULBS

"NOT HOW CHEAP— BUT HOW GOOD"
RALPH M. WARD & CO.
12 West Broadway—New York
Please mention the Exchange when writing.

FRENCH AND DUTCH BULBS
Send me your lists for quotations.
C. McTAGGART
Seedsman and Florist
123 Warren St. (Near West St.)
NEW YORK
Telephone, 2019 Cortlandt
Please mention the Exchange when writing.

SEEDS and BULBS
W. C. Beckert
103 Federal Street
PITTSBURGH, PA., (North Side)
Please mention the Exchange when writing.

Try The Following
CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
STOCKS—"Burnett's Perpetual White.
CAULIFLOWER—Burnett's Selected "Snowball."
BURNETT'S LIBERTY TOMATO
Write for our Illustrated Catalogue
BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

ROUTZAHN SEED CO.
Arroyo Grande, Cal.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of Full List of
Flower and Garden Seeds
Please mention the Exchange when writing.

Francis Brill
GROWER and DEALER
Hempstead, L. I.
NEW YORK

Choice Seeds
For Gardeners, Truckers and Plant Growers
Long Island Cabbage Seed, Cauliflower, Egg, Pepper, Tomato, Etc.
Price Lists Free Quality Finest Wholesale and Retail
Please mention the Exchange when writing.

F. E.—The Best Advertising Medium

Prices Advertised in these Columns are for THE TRADE ONLY

Vaughan's Lilium Harrisii

CAREFUL SELECTION OF BOTH PLANTS and BULBS.

OUR grower, writing under date of April 12, says crop of "Harrisii" is looking exceptionally well this year, the season having been favorable to the development of good healthy plants, and they expect to harvest an average crop of fine bulbs. Remember, while we do not claim that our "Harrisii" are absolutely free from disease, or that every bulb will produce a perfect plant, we do claim that our grower's efforts in the way of spraying and rogueing are producing results, our stock now being freer from disease than ever before and of genuine "Harrisii" type, in fact, the best general crop grown on the Island of Bermuda.

Vaughan's Seed Store,

CHICAGO. NEW YORK.

Please mention the Exchange when writing.

COW PEAS

All Varieties in Any Quantity, from a bushel to car lots.

J. BOLGIANO & SON
BALTIMORE, MD.

Please mention the Exchange when writing.

Aster Plants

Semple's Branching and Queen of the Market, fine plants from field, $1.75 per 1000.

GERANIUMS, HELIOTROPES and SCARLET SAGE, in bloom, out of 4-in. pots, $4.00 per 100.

ALYSSUM, VERBENAS, DUSTY MILLER, PHLOX, PRIMULA Obconica, 2½-in., $2.00 per 100; 300 for $5.00.

CABBAGE and TOMATOES, all kinds, $1.00 per 1000, $8.00 per 10,000.

PEPPERS, SWEET POTATOES and BRUSSELS SPROUTS, $1.50 per 1000.

CAULIFLOWER, Early Snowball, $2.50 per 1000.

J. C. SCHMIDT
BRISTOL, PA.

Please mention the Exchange when writing.

Early Wonder Aster

Has proved by growers last season to be much earlier than Queen of the Market, very large fluffy blooms of narrow petals, showing no centre, stems long; Two Varieties, White and Shell-Pink, field plants, 100 for 50c., 1000 for $3.00. Late Branching in five best colors separate, $2.50 per 1000.

DANIEL K. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

ASTER PLANTS

Queen of the Market, Perfection, Comet, all in best Mixed Colors; Late Branching, in white, pink, lavender and crimson, all stocky plants, fine for planting out, $2.50 per 1000.

CALADIUM Esculentum, 6 to 8 in. circumference, $1.50 per 100.

CANNAS, best named kinds, $2.00 per 100.

IMPERIAL SEED & PLANT CO.
Grange, Baltimore, Md.

Please mention the Exchange when writing.

FLORISTS' ASTERS

Field-grown—Separate colors

CREGO, White, Shell-Pink and Rose.
SEMPLE'S, Purple and Lavender.
QUEEN OF THE MARKET, Mixed Colors.
$2.50 per 1000 by express;
50c. per 100 by mail.
Cash with order.

A. & G. ROSBACH, Pemberton, N. J.

Please mention the Exchange when writing.

Import Orders

FRENCH AND DUTCH BULBS

Paper White Narcissus
Roman Hyacinths
Dutch Hyacinths
Tulips and Narcissus

Let Me Figure on Your Wants

CYCAS STEMS

Assorted Sizes—Fresh

25 lb. lots at 8c. a lb., 100 lb. at 7½c.

STOKES' SEED STORE
219 Market St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Peas, where not eaten off by slugs, are doing very much better than was anticipated; Cooper's Velocity, sown in the open on Jan. 1, will be ready to pick before the end of the present month (May). Mauretania will be three days later, while a very choice stock of Alaska is fully 15 days behind.

Broad Beans look first rate but, as they are fully three weeks behind, nothing short of a miracle can save them from the "dolphin."

Walter D. Steele of the Steele, Briggs Co., Toronto, is one of our earliest visitors. EUROPEAN SEEDS.

American Notes

Trade Continues Very Good

The seedsmen have bad still another week of very good business. The wholesale dealers have been receiving a great many filling-in orders, and were it not for the fact that so many seasonable items are in very limited supply the week's business would have been even larger than it was, and it has been very satisfactory. The retail cash over-the-counter trade is holding on well, not only in regard to vegetable seeds but with flower seeds as well. Speaking of flower seeds, the general verdict would seem to be that the largest volume of retail sales of packet flower seeds ever known has resulted this season. Of vegetable seeds there are no large quantities left in any direction to carry over to another season. Peas, Beans, and Sweet Corn are well cleaned up, especially the green-podded varieties of Bush Beans. Onion sets are still selling very well at retail; every year the demand for white, red and yellow sets continues later and later; it seems to be only a question of how long the sets can be kept in salable condition.

The traveling salesmen are, so far, very enthusiastic over the prospects for the advance seed orders for 1911 and it is surely a fact that so nearly exhausted will be, practically, all seed stocks, when the present season does finally end, that dealers will be obliged to purchase seeds of all kinds for next season's sales in more liberal quantities than for a great many years. As regards general seed supplies for sales next Spring, it is none too early to place contracts with the larger seedsmen for them. Personally, the writer feels that the present rates for the growing crops of seeds are as low, and may turn out to be quite materially lower than the prices which will be quoted later on. It is a good opinion that so very largely have many of even our most conservative seed growers sold this season from their supplies of planting seed stocks, that a material shortage of planting stock will in many cases render a full average seed crop impossible. This encroachment by seed growers upon their selected planting seed stocks has been going on now for several years, continuously, and will continue just as long as the tempting high prices for seeds last.

Another thing which should not for a moment be lost sight of, is the fact that the end of this season will see fewer seeds carried over to another year than for a decade; and such being the case, although the growing crop of seeds should turn out to be even more than an average one, or even a bumper crop, the general effect upon prices, downward, would be far less than is generally supposed. On the other hand, a general widespread seed crop failure this Summer would cause famine prices in a great many lines. In other words, so very low are seed stocks, as a whole, with the larger seedsmen, that one or even two good seed harvests would no more than bring seed supplies to a fairly normal level; while, on the reverse side of this reasoning, is the fact that crop failure of seeds this Summer means the highest average prices for seeds perhaps ever known for next Spring. In a nut-shell, so low are average seed supplies with the larger seedsmen, that a bumper seed crop this Summer would affect prices very little downward, as compared with the prohibitive rates upward that a crop failure of seeds again this year would cause. It would, indeed, seem to be good and conservative policy to place orders early for the seeds needed for next year's sales.

Memorial Day Plant Sales

More than ever before did the seedsmen cater this year for the Memorial Day plant trade, with the result that sales in this line were very much larger than in any previous season, and on the whole at good prices. As suggested in this column, many seedsmen found assorted baskets of bedding plants to be excellent sellers, as were also baskets of blooming Pansies. Other plants need no special mention; suffice it to say that everything in full bloom found ready purchasers. V.

HEADQUARTERS FOR

GLADIOLI

and Other Bulbs

JOHN LEWIS CHILDS
FLORAL PARK, N. Y.

Please mention the Exchange when writing.

Gladioli

Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck and Pactole.

LILIES, IRIS, CINNAMON VINES and other bulbs for Spring planting.

Send for prices.

E. S. MILLER
WADING RIVER, LONG ISLAND, N. Y.

Please mention the Exchange when writing.

500,000 PANSIES BEST MARKET STRAIN GROWN

Grown from seed of our own raising, this strain is the result of over 25 years' careful selection and for size, form and substance and wide range of color in clear, brilliant self and novel shades and markings, they will be found unsurpassed. The colors are very evenly assorted and the growth is very strong and stocky. Fall transplanted plants ready to bud and bloom.

Price $10.00 per 1000. Larger Sizes $15.00 and $20.00 per 1000.

EXPRESS ONLY CASH WITH ORDER

I. E. COBURN, - 291 Ferry Street, - EVERETT, MASS.

Please mention the Exchange when writing.

PANSIES

GIANT YELLOW PANSY PLANTS, with dark center, in full bloom, $1.25 per 100, $10.00 per 1000. Mixed Colors, all sold.

Cash with order.

PETER BROWN, 124 RUBY STREET **Lancaster, Pa.**

Please mention the Exchange when writing.

ROEMER'S SUPERB PRIZE **PANSIES**

The finest strain of Pansies in the World. Introducer and Grower of all the Leading Novelties. Highest Award, at Mannheim 1907. Catalogue free on application.

FREDRICK ROEMER

Quedlinburg, Germany.

Please mention the Exchange when writing.

Bedding Plants

GERANIUMS

S. A. Nutt, 4-in., $6.00 per 100.
S. A. Nutt, Beaute Poitevine, and A. Ricard, 3½-in., $5.00 per 100.

HELIOTROPE and ROSE GERANIUMS, 4-in., $5.00 per 100.
VINCA Variegata, 4-in., $10.00 per 100.
FUCHSIAS, 4-in., $7.00 per 100.
Mme. Salleroi Geraniums, 3-in., $4.00 per 100.

CANNAS, King Humbert, Souv. de Ant. Crozy and Duke of Marlborough, 4-in., $6.00 per 100.

German Ivy, Zinnias, Cannas, Ageratum, Sweet Alyssum, Heliotrope, Begonia Vernon, 2½-in., $2.00 per 100.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

Please mention the Exchange when writing.

A Few Good Things You Want

DRACÆNA Indivisa, 3-in., $5.00 per 100; 4-in., $10.00 per 100.
BEGONIA Rex, 2-in., $5.00 per 100.
ASPARAGUS plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100. Cut sprays, 25c. per bunch.
ASPARAGUS Sprengeri, 3-in., $5.00 per 100.
GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.
FERNS, Whitmani, 4-in., 25c. each. Boston, 4-in., 15c. each; 6-in., 25c. each.
COLEUS, ALTERNANTHERAS, red and Yellow, VERBENAS, HELIOTROPE, CIGAR PLANT, SALVIA (Scarlet Sage), Zurich (always in bloom), VINCA Variegata, 2-in., stock of these, $2.00 per 100.

Cash with order, no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

40,000 Vinca Variegata

Rooted Cuttings 90c. per 100, $8.00 per 1000.

ASTERS, Market White, $2.00 per 1000.
STOCKS, Princess Alice and Beauty of Nice, 2-in., $1.50 per 100.
COLEUS, 2-in., $1.50 per 100.
DUSTY MILLER, 2-in., $1.50 per 100.
AGERATUM, White and Gurney, 2-in., $1.50 per 100.
LANTANAS, 2-in., $2.00 per 100.
FEVERFEW, 2-in., $2.00 per 100.
ALTERNANTHERAS, Red, 2-in., $2.00 per 100.
CUPHEA, 2-in., $1.50 per 100.

Rooted Cuttings, prepaid per 100; Cuphea, 75c.; Vinca Variegata, 90c.; Coleus, 10 kinds, 60c.; Alternanthera, Rosea, P. Major, 50c. per 100, $4.50 per 1000; Ageratum, 3 kinds, 60c. Stevia, 75c.; Dhl. Petunias, 10 kinds, $1.00.

HELIOTROPE, 2-in., $1.50 per 100.
MAURANDYA and THUNBERGIA, 2-in., $1.50 per 100.
STOCKS, Princess Alice and Beauty of Nice, 2-in., $1.50 per 100.

Cash with order.

Byer Bros., Chambersburg, Pa.

Please mention the Exchange when writing.

New York Seed Trade

Trade in a retail way is holding on very well indeed. Our seedsmen who handle plants did an excellent Memorial Day business. Insecticides have begun to sell actively, and June, as usual, will be a month of sales including a little of every line. The weather still continues uncertain, comparatively cool and rainy. What we need are some warm sunny days to start things along.

Henry Nungesser, president of Henry Nungesser & Co., returned from Europe last week on the Kronprinzessin Cecilie of the Hamburg-American Line. Mr. Nungesser reports a most satisfactory trip, which was one of pleasure and business combined, and returns in his usual good health.

Wm. C. Langbridge of the Jerome B. Rice Seed Co. Inc., Cambridge, N. Y., was among our visitors last week, passing through this city on his way South. Mr. Langbridge is very enthusiastic over the prospects for a very large business for his firm the coming year; in fact, he says the season just closing has been one of the best they ever had. Mr. Langbridge feels that there will be not the least trouble in disposing of all the good seed stocks that will be produced from the growing crop, at satisfactory prices.

Wm. Elliott & Sons report retail sales of bedding and vegetable plants as particularly active the past week. This trade with them is every year extending later and later into June.

J. M. Thorburn & Co. have issued their annual wholesale price list of Turnip, Spinach and other seasonable seeds.

The Aphine Manufacturing Co. of Madison, N. J., is much pleased with the steady and increasing sales of its insecticide "Aphine" with the seed trade.

The Stumpp & Walter Co. is devoting particular attention to the "Purity" Freesia this season.

Arthur T. Boddington was one of the visitors at the Boston Orchid show and returns home full of enthusiasm for the splendid and, as he puts it, "gorgeous display" there made.

Wm. E. Marshall, of W. E. Marshall & Co., who has been visiting customers at Lenox, Mass., also attended the Orchid show at Boston last week, and is very enthusiastic regarding the wonderful success of the show in its every feature.

Advance orders for potted Strawberry plants are already being placed with the seedsmen. It is only natural that the sales of these plants should be greatly helped, this year, by the splendid crop of the berries, which is everywhere creating such favorable comment. Not in years have Strawberries been of such uniform good quality.

Philadelphia Seed Trade

The Spring seed trade is over, the sale of vegetable plants is on the wane, bedding plants have reached and perhaps passed the climax, and Summer conditions have begun to prevail in the seed trade.

The seedsmen are now preparing their Midsummer catalogs, and such as did not order their foreign bulbs directly from the growers' agents when they were in this country are now making out their mailing lists. The trade in poisons is growing better, but has not yet reached its full height. In these days the seedsman as well as the druggist is a dealer in poisons and the sale of insecticides and the apparatus for applying the same forms no small part of the seedsmen's trade. The discovery of new injurious insects is periodically announced, and the chemist immediately offers to the public a compound with which to kill them.

The twenty-eighth annual convention of the American Seed Trade Association will be held at Atlantic City, N. J., June 21 to 23. It is expected that the Philadelphia seed trade will be well represented there, and that there will be a mingling of business, sociability and good cheer.

The Johnson Seed Co. reports that the sale of Turnip seed is beginning. Early Purple Top, White Globe, Yellow Aberdeen and Yellow Amber Globe are the favorites about Philadelphia, but many Yellow Ruta Baga are also planted. The Stokes Seed Store is showing a hive of American bees. As the hive is a wire structure, all the bees can be easily seen, and attract much attention. This company makes a specialty of bee supplies and issues a catalog of poultry and bee requisites, which can be had for the asking.

The rat is one of the smartest animals in existence, and yet like one of old "Every man's hand is against him, and his hand is against every man," or at least its teeth are. The Moore Seed Co. are out with a new rat exterminator called "Rax" from the Earp-Thomas Laboratories, Bloomfield, N. J., who will "Contract to clear hotels, storage warehouses, etc., of rats and mice—no result, no payment." "Rax" is a bacteriological preparation, containing pure cultures of an active virus which has a deadly effect on mice, rats and field mice, but is harmless to all other animals and stock, such as dogs, cats, poultry, as well as human beings.

The very handsome store windows of the Michell Seed House, 518 Market st., are filled with a well arranged display of substantial offerings. Rustic window boxes and chairs, all lawn requisites, and a full line of insecticides are noted among this display.

Henry F. Michell Co., 1018 Market st., report an unprecedented and continued heavy trade in all kinds of bedding plants. The company's wholesale and also retail Midsummer catalog will be ready for distribution in about ten days. The Maypole, with the pretty girls dancing about it, should have been located in the show window of this company in the last issue of the EXCHANGE, instead of the window of Henry A. Dreer's. The error is regretted.

In the front of the store windows of Henry A. Dreer, 714 Chestnut st., a group of men and women stand, with note books and pencils in hand; as some move on others take their places. Why? Because 33 of the 75 varieties of Roses which took the highest award, a silver medal, at the Orchid show in Boston, are displayed in vases in the window. Among these beautiful blooms two especially fine are noted—The Lyon, and Duchess of Portland, a lemon white. This is not all. Outside and on either side of the store entrance are shown great vases, fifteen in number, containing fifteen separate varieties of Peonies, only a few of the large number which Dreer offers. Especially noteworthy among these were Duke of Wellington, La Tulipe, Floral Treasure, Reine des Roses, Compte de Diesbach, and Louis Van Houtte. This exhibition of Roses and Peony blooms will be continued for several days.

Holland Bulb Notes

Our bulbs have had a bad Winter. Rain, rain and rain again, caused an abundance of water which had a very unfavorable influence on the bulbs in low fields. They showed this in the Spring; many and many beds of Tulips were drowned out and did not show above the surface; others showed they had suffered heavily by too much water and did not promise much. Strong frosty nights and sharp sunshine in the day caused "fire" in the foliage; and 101° ruined many fields of early Tulips.

Hyacinths did not suffer so much by water as by frost and hail; they also were affected by "fire" in the foliage and some kinds, as Gertrude, Garibaldi, etc., bore yellow leaves in consequence of the warm days; in general, however, Hyacinths promise rather a good crop, better than Tulips.

Referring to Narcissus: Golden Spur and double Von Sion, especially double crowns, will be scarce and bad, because "fire" in the foliage destroys the plants. I think the prices of these kinds will rise considerably this season.

Crocus are dear and will also keep their price this season. Whosoever can keep them in good health will make money this year. J. BEUMER.

CANNAS

Leading Varieties, 4 inch pots, $6.00 per 100. Newer Varieties, 4 inch pots, $8.00 per 100. King Humbert, 4 inch pots, $12.00 per 100.

5000 ACHYRANTHES, Red, 2 inch pots, $20.00 per 1000.
ENGLISH IVY, 4 inch pots, $12.00 per 100.

THE ELIZABETH NURSERY CO.
ELIZABETH, N. J.

Please mention the Exchange when writing.

CANNAS Extra strong, from 4-in. pots, $1.00 per doz., $8.00 per 100.

Satisfaction guaranteed. Fine assortment.

BRANT BROS., Utica, N. Y.

Please mention the Exchange when writing.

CANNAS

10,000 Allemania, strong, dry roots, $1.25 per 100, $10.00 per 1000.
Mixed Cannas, all colors, strong, dry roots, $1.00 per 100, $8.00 per 1000.
Canna Plants, strong, well started plants, all the best varieties, from $1.60 per 100 up, according to variety and quantity. Send us a list of your wants, and we will quote you on same.

Frank Cummings Bulb & Plant Co.
Canna Growers, MERIDIAN, MISS.

Please mention the Exchange when writing.

CANNAS

Strong plants cut out of bench, Kate Gray, Long Island, best yellow, and Charles Henderson, at $5.00 per 100.

Cash with order.

ROWEHL & GRANZ
HICKSVILLE (L. I.), N. Y.

Please mention the Exchange when writing.

Canna Plants

750 Charles Henderson, 750 Alphonse Bouvier, 35 plants in a flat, $1.50 per flat.
These Cannas were grown in the flats.

		Per 100
400	VINCAS, 3½-in. pots	$3.00
500	S. A. Nutt GERANIUMS, 3½-in.	6.50
500	John Doyle GERANIUMS, 3½-in.	5.50
1000	SALVIAS, 3½-in.	5.00
300	FUCHSIAS, 3½-in.	6.50
5000	J. Nonin CHRYSANTHEMUMS, 2-in., $15.00 per 1000.	

QUIDNICK GREENHOUSES
J. H. Cushing, Prop., Quidnick, (Anthony P. O.) R. I.

Please mention the Exchange when writing.

SEASONABLE PLANTS

DRACÆNA Indivisa, 4-in., $10.00 per 100.
CANNAS, Pennsylvania, $1.60; A. Bouvier, $1.50; Austria, $1.25; Italia, $1.75; B. Beauty, $2.50; Egandale, $1.50; Marlborough, $2.00; America, $1.25; D. Harum, $2.00 per 100.
HYDRANGEA Paniculata grandiflora, 2 to 3 ft., $10.00; 18 in. to 24 in., $6.00 per 100.
PRIMULA Obconica, 2-in., $1.50 per 100; 3-in., $4.00 per 100; 4-in., $6.00 per 100.
GERANIUM, Ricard, 2-in., $2.00 per 100.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100
Plumosus, 2-in., $2.00 per 100.
ENGLISH IVY, R. C., 75c. per 100; var. R. C., 75c. per 100.
FERNS, Scottii, 5-in., $20.00 per 100; 6-in., $35.00 per 100.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Beauty of Poitevine

The prettiest and most satisfactory of all Geraniums

Nice, strong, bushy plants out of 4-inch pots, per 100, $6.00; per 1000, $50.00; per 10,000, $450.00

WM. G. MULLER
Clinton Place and Lyons Ave., NEWARK, N. J.

Please mention the Exchange when writing.

Alternantheras

Strong Rooted Cuttings

	100	1000
P. Major, Red	$0.50	$4.00
A. Nana, Yellow	.50	4.00
Brilliantissima, Best Red	.60	5.00

R. R. DAVIS & CO., Morrison, Ill.

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

Fine plants, from 4-in. pots, $8.00 per 100; 2-in. pots, nice plants, $2.00 per 100.

ASPARAGUS Sprengeri, strong, from 3-in. pots, $5.00 per 100; 2-in. pots, $2.00 per 100.

CYPERUS ALTERNIFOLIUS (Umbrella Plant), 2-in., very fine, from seed, $2.00 per 100.

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

SALVIA BONFIRE

Fine, Strong, Stocky Plants, $2.00 per 100. Cash with order.

E. B. JENNINGS
LOCK BOX 254 Southport, Conn.

Please mention the Exchange when writing.

SALVIAS

Bonfire and Splendens, extra strong stock, mostly in bloom, 3-4 in., $3.00-$4.00 per 100, $25.00-$35.00 per 1000.

CANNAS; HELIOTROPE; LEMON VERBENAS, 12-20 shoots; **GERANIUMS** in bud and bloom, Nutt, Buchner, Grant and Poitevine, strong 3½-in., $5.00 per 100; Mme. Salleroi, 2-in., $1.50 per 100; 3-in., $2.50 per 100; **COLEUS**, Red, Yellow and Mixed, strong 2-in., $1.50 per 100. Cash.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

Single Petunias

Fringed Ruffled Giants, from 3-in. pots, $3.00 per 100.

SNAPDRAGONS

White, Yellow, Pink, Crimson, or Mixed, from 2-in. pots, $2.00 per 100.

ALBERT WM. BOERGER, GARDENVILLE N. Y.

Please mention the Exchange when writing.

PETUNIAS Single Petunias of Ruffled Giant, California Giant, and Ruffled, striped and blotched. A No. 1 stock, 2¼-in. pots, $2.00 per 100, $18.00 per 1000.

GERANIUMS, 4-in., in bud and bloom, Nutt, Ricard, Viaud, Peter Henderson, Buchner, Poitevine, and Rose Geraniums, $6.00 per 100, $50.00 per 1000.

SALVIA, 35,000 Bonfire, from seed, twice transplanted, large healthy stock, 90c. per 100, $7.50 per 1000. Cash please.

S. A. PINKSTONE, 206 Court Street UTICA, N. Y.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

GERANIUMS Rooted Cuttings, in the Florist's best set, at $10.00 per 1000. Ricard, Nutt, Poitevine, Buchner, Grant, Bertha de Presailly, Richmond, Beauty, Castellane, Perkins, E. G. Hill, Decorator and Mrs. Lawrence.

B. E. WADSWORTH, Box 224, Danville, Ill.

Please mention the Exchange when writing.

San Francisco

The Market

There was quite a noticeable betterment in market conditions last week. The retailers were more largely represented, and prices showed a well defined improvement all around. Carnations are now beginning to pick up a little and should command good prices until after Memorial Day. At the time of writing high-grade stock is selling well at prices which will be sustained for at least another week. Roses, though brought into the market in large quantities, sell well, and growers who specialize in this line have every reason to feel satisfied. Field-grown Roses continue to be plentiful, and there will undoubtedly be a heavy demand for them on Memorial Day. American Beauty is selling out well at from $2 to $2.50 per dozen, while Bridesmaid is fetching 50c. per dozen. The Gladiolus continues to be a prominent flower in all the stores; the Bride is perhaps the best seller, from the growers' point of view, as there is quite a demand for it by those retailers who go in for design work. Sweet Peas are still very much in evidence and clean out well, at from 50c. to 80c. per dozen bunches. Formosa Lilies are to be seen in quantity, and some very fine blooms are being brought in by San Mateo growers, which bring on an average $1 per dozen; this figure, however, should be exceeded before Memorial Day. Both the yellow and white Marguerites are being disposed of in quantity, and the quality of the blooms is good. Peonies are a thing of the past, only a few stragglers to be seen in the stores at present. Some very fine bunches of Coreopsis grandiflora are to be had; the color of these flowers is bright and pleasing to the eye, and they sell rapidly. Lily of the Valley is none too plentiful at present; growers seem to be holding back for Memorial Day, when big prices will be the rule for this class of stock. Gardenias are also scarce and nice blooms bring as much as 50c. apiece. In the Orchid line Cattleya Mossiæ still holds well, while quite a few C. Mendelii and C. Gaskellianas are to be seen. Some very fine Cattleya gigas (var. Sanderiana) was marketed this week, and were quickly bought up. Phalænopsis amabilis is still to be seen in limited quantities, as also is Odontoglossum crispum, the latter an Orchid which deserves more attention from growers on this Coast; in fact, the writer is of the opinion that O. crispum can be grown in California better than in any other part of America; this refers particularly to San Francisco and its immediate neighborhood, where the temperature is moderate all the year round.

In green goods, Asparagus Sprengeri and A. plumosus is more plentiful than for some time past, while Adiantum is increasing both in quantity and quality. Smilax is the scarcest item in the market at present, and out-of-town growers who specialize in this class of green should reap a rich harvest from now on.

Both growers and retailers are getting busy for Decoration Day and everything points to good business for this week end.

Various Notes

The latest news from Santa Rosa is to the effect that Luther Burbank has opened an "Information Bureau" in that town. The fee charged is $5 per visit. This should prove one of Burbank's most profitable "creations."

Domoto Bros. of Elmhurst, whose new range of glass was totally destroyed last week, have started the work of rebuilding.

Congratulations are extended to Wm. Hill, gardener to Eugene de Sabla, who has taken unto himself a wife.

The new nursery of the MacRorie-McLaren Co., at San Mateo, is rapidly being put into shape. Work on the glass department is being rushed along and the houses will be ready for use early in June.

Carbone Bros. of Berkeley, will erect two new houses this Summer.

The great attraction of the Pacific Coast Horticultural Society for the month of June will be a visit to places of horticultural interest in the vicinity of Burlingame. It is proposed to visit the well-known Tevis Estate, also the

Geraniums

	Per 100
8 varieties, 2½-inch pots	$3.00
8 varieties, my selection, 3-in. pots	4.00
ASPARAGUS Sprengeri, seedlings .. $7.00 per 1000	1.00
DOUBLE PETUNIAS, Seedlings	2.50

Coleus

	Per 100
10 varieties, 2¼-in. pots	$2.00
ASPARAGUS Sprengeri, 2¼-in. pots	2.00
ALTERNANTHERA, red and yellow	2.00

Cash. No C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

GERANIUMS

3000, 2-in. pots, S. A. Nutt, Buchner, Ricard, Viaud, Doyle and Grant, at $2.00 per 100, $18.00 per 1000; also 3-in. of the following, S. A. Nutt, Buchner, Doyle, Grant, and Ricard, at $4.00 per 100, $35.00 per 1000. Cash with order.

FRED. W. RITCHY
Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS

Nutt, Doyle, Poitevine and others, 2-in. pots, $2.00 per 100; 3-in. pots, $8.00 per 100; 4-in., $5.00 per 100.

SALVIA Bonfire, R. C., $1.00 per 100; 2-in., $2.00 per 100; 3-in., $3.00 per 100.

HELIOTROPES, 2-in. pots, $2.00 per 100; 3-in., $3.00 per 100.

ALYSSUM, Double Giant, 2-in., $2.00 per 100.

FEVERFEW, double white, 2-in. pots, $2.00 per 100; 3-in., $3.00 per 100.

VINCA Variegata, 2-in., $2.00 per 100; 3-in., $3.00 per 100; 3½-in., $6.00 per 100.

AGERATUM Gurney, 2-in. pots, $1.50 per 100.

VERBENAS, red, white and purple, 2-in., $1.50 per 100.

ASTERS, 2-in. pots, $1.00 per 100.

PHLOX, Marguerite **CARNATIONS**, Single Star **PETUNIAS**, 2-in. pots, $1.50 per 100.

PANSY PLANTS, 50c. and $1.00 per 100; $5.00 to $8.00 per 1000.

COLEUS, 2-in. pots, $2.00 per 100.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and **Golden Bedder**, 2¼-in. pots, $2.00 per 100; **Rooted Cuttings** of the same, $6.00 per 1000; **Rooted Cuttings** in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.

Cash with order.

J. E. FELTHOUSEN
154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

Geraniums Geraniums

S. A. Nutt, Beaute Poitevine, La Favorite, A. Ricard, Frances Perkins, Jean Viaud, Mme. Jaulin, Gloire de France, 3½-in. pots, $5.00 per 100.

BEGONIA Rex and Metallica, 3-in. pots, $4.00 per 100.

COBAEA Scandens, 3-in. pots, $3.00 per 100.

VERBENAS, 3-in. pots, $2.60 per 100.

HELIOTROPE, 2 varieties, 2½-in. pots, $2.00 per 100.

VINCA Variegata, 2½-in., $2.00 per 100.

Cash with order.

WM. J. CHINNICK
TRENTON, N. J.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

GERANIUMS

Buchner, Viaud, Jaulin, 3-in., in bud and bloom, $4.00 per 100.

Ricard, Poitevine, 2-in., $2.00 per 100; $18.00 per 1000.

Rooted Cuttings: Ricard, S. A. Nutt, Poitevine, Buchner and Viaud, $10.00 per 1000. Cash with order.

PETER BROWN, 124 RUBY STREET Lancaster, Pa.

Please mention the Exchange when writing.

Mme. Salleroi Geraniums

3-inch Pots, $3.00 per 100

Cash with order

JOHN COOMBS, 118 Benton St. HARTFORD, CONN.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.

Ricard, Poitevine and S. A. Nutt, at $10.00 per 1000; delivery made any time wanted, let me book your order, or send for sample and see the class of stock I send out.

HARDY PHLOX

Rooted cuttings free by mail at $1.25 per 100; Mixed Varieties, all of them good ones.

SMILAX and SPRENGERI

Good stock, let me send you a sample. Smilax, $12.50 per 1000. Sprengeri, $15.00 per 1000.

ALBERT M. HERR
LANCASTER, PA.

Please mention the Exchange when writing.

Geraniums

S. A. Nutt and Castellane, 4-in. pots, in bud and bloom, $5.50 per 100.

VINCA Variegata, 3-in. pots, 3 to 8 vines, $4.00 per 100.

B. F. BARR & CO. Keystone Nurseries Lancaster, Pa.

Please mention the Exchange when writing.

GERANIUMS

Fine, stocky plants, in bud and bloom, 4-in., Nutt, Poitevine, Ricard, La Favorite, Trego, Perkins, Jaulin, etc., $6.00 per 100.

Dark blue **HELIOTROPE** and Dwarf blue **LOBELIAS**, large plants, from flats, 75c. per 100, $6.00 per 1000.

HILL TOP GREENHOUSES, 84 Churchill Avenue UTICA, N. Y.

Please mention the Exchange when writing.

Geraniums

All 3-in., in bud and bloom:

S. A. Nutt, Montmort, Viaud, Castellane, and Ricard, $4.00 per 100. Early in June I will have about 20,000 ready to plant out, all the Standards, as Poitevine, Buchner, Doyle, and the above varieties, only strong, bushy plants. Cash please.

RUDOLF NAGEL, LANCASTER PA.

Please mention the Exchange when writing.

GERANIUMS

Strong, S. A. Nutt, from 4-in. pots, in bud and flower, $7.00 per 100.

VINCA Variegata, heavy, 3 feet long, 5-in. pots, $15.00 per 100; No. 1, from 4-in. pots, $8.00 per 100.

KILBOURN & WILLIAMS, CLINTON, N. Y.

Please mention the Exchange when writing.

VOLUME 1 NUMBER 6

BODDINGTON'S STORE NEWS

SATURDAY, JUNE 4th, 1910

PUBLISHED EVERY NOW AND AGAIN

Remember you may deduct 5% if cash accompanies order.

CUT DAHLIA FLOWERS PAY

If You Have the Following Varieties and Plant them NOW

After considerable consideration and observation, and "talks" with the trade, we decided to offer the following Dahlias to florists this season. **Price, $1.00 per 12, $8.00 per 100; Our selection, 75 cents per 12, $6.00 per 100.**

Decorative Dahlias

Auguste Nonin. Clear scarlet, a large and superb flower borne abundantly, always above the foliage. Flowers are always perfect.

Beauty of Kent. Well named, beautiful in form, color and appearance. Deep crimson-red, with distinct pure white tips; most effective and at once catches the eye; free-blooming and fairly large.

Camellia. A dwarf, bushy plant, attaining a height of 2½ feet with small, but prolific foliage and myriads of small-sized perfect flowers of a coppery orange. The shape of the flower is just like a Camellia and lasts well when cut.

Catherine Duer. Crimson-scarlet.

Clifford W. Bruton. Best yellow.

Firefly. A most striking variety on account of its color, fiery orange-scarlet, with distinct white tips.

Frank L. Bassett. Bright purple, shading to blue.

Lyndhurst. Bright scarlet.

Maid of Kent. Cherry-red, tipped white.

Nymphaea. Color clear, light shrimp-pink.

Orange King. Rich glowing orange; early and profuse.

Source de Feu. New. Deep orange, splashed and streaked with vermilion-scarlet, a dazzling color; flowers gigantic and on long stems. 4 feet.

William Agnew. Rich, dazzling red; immense size.

Giant Decorative Dahlias

Gigantea. Its name suggests the size; truly gigantic and massive in form. The individual petals are short and it requires many to form such a monstrous flower. Color a soft sulphur-yellow.

Souvenir de Gustave Doazon. The most sensational Dahlia of the season; a decorative variety of mammoth proportions, which under ordinary cultivation will produce flowers 6 inches across, and can be grown to measure full 9 inches. It is of free growth, remarkably profuse-flowering, and pure scarlet in color.

Cactus Dahlias

Countess of Lonsdale. Amber and salmon.

Earl of Pembroke. Bright plum.

Kriemhilde. One of the finest pink Cactus Dahlias.

Standard Bearer. Brightest scarlet; profuse bloomer.

Show and Fancy Dahlias

Acquisition. Rich, royal deep mauve; splendid exhibition flower.

A. D. Livonl. Beautiful soft pink; early and profuse bloomer.

SHOW AND FANCY DAHLIAS—Continued

Alice Emily. Delicate buff, center clear yellow.

Arabella. Pale primrose, tipped and shaded old rose and lavender.

Comedian. Orange ground, beautifully flaked and speckled with crimson and tipped white; of the finest form. 4 ft.

Criterion. Delicate rose; large and fine.

Gloire de Lyon. Very large, pure white.

Glowing Coal. Brilliant red.

Gold Mantle. Golden yellow, neat and good; requires thinning.

Gold Medal. Bright canary-yellow, regularly marked with fine stripes and splashes of deep red.

Grand Duke Alexis. Very large white, tinted pale lavender.

Green's White. One of the best whites for cutting.

Harlequin. Brilliant crimson, striped and tipped white.

John Thorpe. Very large; soft rich pink.

La Republique. Creamy white, overlaid with rose; very fine.

Menheddy Beauty. Fancy buff, with crimson spots, free long stems, large bloom.

Mrs. Gladstone. Delicate soft pink; large and splendid form; the finest pink Dahlia.

Mrs. Reggie Green. Color a pure white ground, slightly flaked and veined with rosy purple.

Mrs. Chas. Lanier. This grand new Show Dahlia is one of unquestionable merit; color deep brilliant yellow; flowers of immense size; free-blooming.

Norma. Bright orange-buff; good outline.

Rev. J. B. M. Camm. Yellow, flaked red.

SHOW AND FANCY DAHLIAS—Continued

Rosamund. A very fine selling flower, white ground, heavily edged with crimson.

Watchman. Rich golden yellow, heavily striped and blotched with crimson.

White Swan. Snow-white, with long stems.

Single Dahlias

The 20th Century. Intense rosy crimson, with white tips and white disc around yellow center.

Maroon Century. Rich maroon, shaded plum very large and velvety.

Pink Century. In size it is from 6½ to 8 inches in diameter; a strong, vigorous grower with fern-like foliage; color is a delicate shell-pink, slightly suffused, clear, soft pink.

Rose-Pink Century. By far the largest and best, in fact, the only clear rose-pink Century, of immense size, perfect form and great substance. Very strong, heavy plant, with 2 to 3-ft. flower-stems, bearing the giant flowers erectly, making it the most valuable as a plant or for cutting.

Dahlias to Color

We can also furnish, without names, in mixture, all colors separate, or all colors mixed as follows:

Mixed Pinks, Mixed White, Mixed Reds, Mixed Yellows. 75c. per doz., $5.50 per 100, $50.00 per 1000.

Mixed, all colors, 60c. per doz., $4.50 per 100, $40.00 per 1000.

ARTHUR T. BODDINGTON

SEEDSMAN Please mention the Exchange when writing. **342 West 14th Street, NEW YORK**

E. W. McLellan Nursery. Both places are within easy reach of the city and it is to be hoped that a large delegation of members and interested friends will turn out and assist in making the outing a success. The second Sunday in June has been set aside for the outing—please bear the date in mind.

The Stockdale Nursery at Burlinghame is selling a nice line of Palms, and evergreens in tubs, at present. They report that trade has been brisk with them for some time past.

A consignment of Cattleya Trianæ was received in excellent shape by the J. H. Sievers Co. this week.

Frank Hutchison, superintendent of the Sterns Estate is rapidly recovering from his recent illness; he is now taking a well-earned vacation at Santa Cruz.

Mrs. K. O. Sessions, the well-known Santiago florist, was a welcome visitor in town this week.

H. Geisreiter, of the Bell Conservatory, Sacramento, has been making an extended visit to growers in this vicinity. Mr. Geisreiter is well pleased with business in general and says that business is going along with a rush in Sacramento.

The Sandborn Nursery Co. of Oakland report having had a heavy demand for bedding stock of all descriptions this year. A. Sandborn left this week for an extended trip through the eastern States.

Ferrari Bros. have been sending in some fine blooms of American Beauty Roses of late; they expect to have a fine lot on hand for Memorial Day.

WM. McM. BROWN.

Albany, N. Y.

Memorial Day was well observed here, the weather being excellent, and the demand for flowers and potted plants was away ahead of expectations. Wreaths of all kinds sold well, Laurel wreaths taking the lead and everything available brought good prices. Outside stock was rather scarce, especially Peonies, they being somewhat backward, especially the white and pink varieties, but the red were on hand in plenty. Deutzia, Spiræa and other shrubs were in abundance, and worked up well in bouquets for cemetery purposes.

F. A. Danker has his new addition to his present location completed, and he now has, certainly, one of the finest establishments in the State, and an increased business is looked for.

Mrs. Fred Keller has taken over the business of her husband, Fred A. Keller, and she expects to operate an uptodate establishment, growing Carnations and Ferns extensively for the trade. Everyone in the trade wishes her success in her new venture. W. W. Hannell of Watervliet, N. Y., is cutting fine Carnations, and Bride and Bridesmaid Roses, which find a ready sale, as the stock is generally grand in every respect.

The regular monthly meeting of the Albany Florists' Club will be held on Thursday, June 2. Matters of importance will be taken up, one of which is the closing of the retail stores during the months of July and August at noon on Saturday, and also the evening closing of stores at 6 p.m.

Jack Butts, of W. C. King's, is improving after his attack of appendicitis.

J. A. Travison, the new South End florist, is reported as doing a nice business since his opening a few weeks ago. Plenty of funeral work has been his lot to contend with, also the planting of beds, urns for country residences, and outside plantings with Geraniums, etc.

W. C. K.

Our view represents a part of the greenhouses of Wm. Shick, 326 Ida ave., Wichita, Kans., which were recently struck by a hailstorm. Fortunately, the owner was insured in the F. H. A.

New Bedford, Mass.

Memorial Day trade was good. Not many flowers was left; about everything salable was cleaned up. Prices were fairly good both for plants and cut flowers. Most of the demand was for bouquets, some of the florists having to work all night on these to fill orders, which ranged in price from 50c. up. Carnations were in good demand, retailing at from 75c. to $1 and more per doz. Roses brought $1 and $1.50 per doz. Stocks sold at 75c. and $1 per doz., and Sweet Peas at $1 per 100 blooms. Feverfew, Candytuft, Daisies and lots of other flowers were used in making bouquets.

There was a good demand for Geraniums in bloom, and they sold at 10, 12 and 15c. each, according to size. Pansies, Daisies and Forget-me-nots sold well in pans. There was quite a lot of hardy stock to cut from.

Saturday our old friend, or rather our old enemy, was selling Roses at 25c. per doz. Just think of it! Only two days before Memorial Day.

E. H. Chamberlain and Wm. P. Peirce had large stocks of Hydrangeas in pots, which found a ready sale.

Funeral work has been good of late. Prices on cut flowers are as usual now.

HORTICO.

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.

BEDFORD, MASS.

Please mention the Exchange when writing.

Magnolias
Rhododendrons
Azaleas
Peonies
Barberry
Hydrangeas (Tree)
Privet

Nursery Stock for Florists' Trade

Everything Hardy in the States and Canada

Roses a Specialty — All Kinds of Fruit Trees

Ornamental Trees and Shrubs, Evergreens, Berries, Herbaceous Plants

Write for trade list

W. & T. SMITH COMPANY

64 Years — GENEVA, N. Y. — 800 Acres

Roses
Spiræa Van Houtte
Norway Spruce
Blue Spruce
Norway Maples
Carolina Poplars
Lombardy Poplars

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ALMA NURSERIES Oudenbosch Holland

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Proprietors {U. J. Heerma Van Voss. H. A. M. Swellengrebel.

Successors to H. W. Van der Bom & Co. No connection with any other firm of similar name.

Large stock of ORNAMENTAL TREES and SHRUBS, CONIFERS, EVERGREENS, etc. First-class stock only. Prices reasonable. Sole American Agent:

J. MEERKAMP VAN EMBDEN, JR., - Thornton, San Joaquin Co., Cal.

ASK FOR OUR GENERAL CATALOGUE AND SPECIAL OFFER

Please mention the Exchange when writing.

Evergreens Shade Trees Shrubs Privet

100 Acres of Nursery. Ask for quotations upon your own list of wants.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

August Haerens

Somergem, Belgium

Special grower of High-Grade and new Azaleas, Kentias, Araucarias, Bays, etc.

AUGUST ROLKER & SONS, AMERICAN AGENTS

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KOSTER & CO.

HOLLANDIA NURSERIES

Boskoop, Holland.

Koster's Blue Spruce, all sizes.

Rhododendron, select hardy varieties.

Catalogue free on demand.

Please mention the Exchange when writing.

500,000 California Privet

FOR FALL OF 1910

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of AMPELOPSIS Veitchii, 2 years, transplanted.

CHAS. BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES

WILLIAM WARNER HARPER, Proprietor

Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

NORTHERN GROWN NURSERY STOCK

We Grow a General Assortment of

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.

Prices Reasonable. Wholesale Trade List for the Asking

THE BAY STATE NURSERIES, North Abington, Mass.

Please mention the Exchange when writing.

P. OUWERKERK

216 Jane Street

WEEHAWKEN HEIGHTS, N. J.

P. O. No. 1, Hoboken, N. J.

Just Received From Our Holland Nurseries

Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

PRICES MODERATE

Please mention the Exchange when writing.

American Pillar

THE NEW CLIMBING ROSE

See our Display Advertisement, page 772 April 30th Florists' Exchange

2¼-inch pot plants, $1.50 per dozen, $8.00 per 100, $75.00 per 1000

4-inch pot plants, $3.50 per dozen, $25.00 per 100.

The Conard & Jones Co.

WEST GROVE, PA.

GERMAN IRIS

Strong Clumps and Divisions for Autumn planting. A large assortment of varieties; covering the best blue, yellow and intermediate colors.

The Wm. H. Moon Co., Morrisville, Pa.

Please mention the Exchange when writing.

Bay Trees—Boxwood

All shapes and sizes at lowest prices. Write and be familiar with my bargains.

F. W. O. SCHMITZ, Prince Bay, N. Y.

Please mention the Exchange when writing.

Ampelopsis Veitchii

4 inch pots, grown and staked, strong plants, $10.00 per 100.

CHAS. H. CAMPBELL

3601 Germantown Avenue

PHILADELPHIA, PA.

Please mention the Exchange when writing.

New Crop of Spring and Fall Spiraea Seeds

SPIRAEA Thunbergii, $1.00 per ounce.
SPIRAEA Arguta, $1.25 per ounce.
SPIRAEA Opulifolia Aurea, 50c. per ounce.
SPIRAEA Van Houttei, $1.75 per ounce.
SPIRAEA Tomentosa Rosea, $1.00 per ounce.

FRANCIS N. HADDEN 145 Pond Street Providence, R. I

Please mention the Exchange when writing.

PEONIES

Our Lists of One Hundred Choice Varieties For 1910 Have Already Been Mailed. Did you get your copy? If not, and if interested in Peonies, do not fail to send for one.

No finer or more healthy stock to be had, anywhere.

J. F. ROSENFIELD, Peony Specialist

WEST POINT, NEBRASKA

Please mention the Exchange when writing.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries — ROCHESTER, N. Y.

ROSES FROM 2½-INCH POTS

Fine, Clean, Strong, Well-Rooted Stock

	100	1000		100	1000
Chatenay	$3.00	$25.00	American Beauty	$6.00	$50.00
Bridesmaid	3.00	25.00	Richmond	3.00	25.00
Uncle John	4.00	35.00	Brides	3.00	25.00
Ivory	4.00	35.00			

BENCH PLANTS

	100	1000		100	1000
Beauties	$6.00	$50.00	Sunrise	$4.00	$30.00
Richmonds	4.00	30.00	Brides	4.00	30.00
Perles	4.00	30.00			

PETER REINBERG, 35 Randolph Street CHICAGO

S. J. REUTER & SON

INCORPORATED

Roses and Carnations

WESTERLY, R. I.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer. **25th Annual Convention at Denver, June 8, 9 and 10.**

WALLA-WALLA, WASH.—The Pacific Coast Association of Nurserymen will hold its annual meeting here on July 13.

KIMBERLY, IDAHO.—The business and nursery of the Tyler Bros. Nursery Co. has been sold to a company composed of John Hardin, John Heuning, Wm. Durkee and C. E. Wright, who are re-organizing the business as a stock company, to be known as the Kimberly Nursery and Orchard Co.

Acer dasycarpum

No Maple is better known to planters than the Acer dasycarpum, the Silver, or White Maple, as it is called, for to the early settlers of the country it proved a tree to give shade quickly, better than any other tree that could be had readily. And as towns became crowded and homes were sought farther away it was still to the Silver Maple that the pioneers looked for "first aid" in the giving of shade, and often for firewood, too.

In many of the older towns and cities the street trees are of this Maple, most of them long past their best, but they bear evidence of the use they have been in the past. And today this tree is of use; not so much as a street or avenue tree, for it is too tall for this purpose, too tall and too large, but as a single specimen in positions it fits. The one of our photograph is such. It is at one side of an entrance gate to a large estate, a position it fits well. The soil, too, is deep and moist where it is, and this the tree demands; it cannot endure a dry soil, its foliage being not nearly of the refreshing green it is when the tree is in good and damp soil. It is still sometimes planted along streets, which is a great mistake, but not such a mistake as many are making in setting the Oriental Plane in such places, for the Plane is a much larger growing tree than the Silver Maple.

As a single tree on a large lawn, or in a meadow, the Silver Maple is well suited; and many public parks have planted it to afford shade to visitors, and to great advantage.

Shaping Evergreens

Just at this time, when the growth on evergreens is in development, is the time to prune evergreens to make them shapely or bushy. As soon as the shoots are an inch or two in length, if the tops are pinched off the side buds start out, and instead of a single shoot there will be, perhaps, a half-dozen which the side buds have made. In this way, too, there is no check to the tree, such as follows a loss of foliage. The little bit pinched off from the ends of the shoots need only be large enough to feel—it is simply the checking of the point that is wanted, so as to start the side shoots.

Fall shearing is altogether wrong, as the elongation of the shoots is over, and a loss of foliage follows, to the injury of the tree in every way, without the slightest compensation. When a tree has finished its growth for the season all the pruning in the world would fail to make it bushy, even when the tree is of the deciduous class; and with evergreens it is worse practice than with the others, because it exposes them to Winter cold, and because, too, there are few evergreens which will break freely from shoots cut back below the live foliage.

A tree owes its life as much to its foliage as to its roots, and to denude it of a lot of its leaves in Summer, when its growth is over, is as much of an injury to it as cutting off half its roots at that season of the year would be. Prune as soon as the new growth is of sufficient length to permit of it; in any case, before elongation ceases, and the work will have been done at the best time, for results.

The Tulip Tree

Conversing with a lady, recently, who was fairly well acquainted with trees, she asked what the flowers of the Tulip tree were like, having never seen them. This reminded me that there are few opportunities for any one to see its flowers, its habit being to grow very tall; and from various causes there are rarely branches low enough to the ground to permit of the blossoms being seen at close range. Now, the flowers are beautiful, orange yellow in color, of the size and appearance of a Tulip flower, so that its common name, Tulip Tree, or Tulip Poplar, is well applied to it. At the present time no one thinks of it as a flowering tree, it is always as one of forestry value; but, unquestionably, it is one all should recognize as worthy of being considered a flowering tree, and one all should have. To have the best return from it, it should be treated in a way to keep it low branched. The top should be cut out from it when young, to encourage this, and care taken that its lower branches are preserved. In fact, care being taken that it has these lower branches there is no objection to height, but when the flowers are to be the chief object in planting such a tree, there will be a better display of them when the tendency to attain height is curbed.

The Tulip Tree, Liriodendron, is the only genus, beside Magnolias, in the same natural order in the northern States; one or two others represent it in the South. It is a tree requiring very close pruning when planted, and much prefers Spring to Autumn for successful planting.

Acer Dasycarpum. Silver Maple

Sowing Seeds of Magnolias

An inquiry comes to us as to the proper method of treating seeds of Magnolia glauca to make them germinate, the inquirer mentioning that although he had sown seeds he had gathered from trees, and there was no question of their freshness, he had never had one to grow. The writer has never had experience with the glauca, but he has with the grandiflora, and as what will do for one species will answer for all he will describe the treatment. The seeds were obtained from the South in November. They were placed in a box of damp sand for two weeks or so, to soften their pulp, and afterward they were taken out and washed clean of it. They were then placed in another box of clean sand, the sand the least bit moist, and placed in a cool place in a potting shed until February. Shallow boxes were then filled with fine soil, the seeds sown on top of it, covered about a half inch deep, and the boxes placed in a warm greenhouse, covered with paper, to give shade. In about a month the seeds commenced to grow, and in the end it appeared that every seed had grown.

This plan is as good for all kinds of Magnolias as for grandiflora. If our friend would treat his glauca seed in the same way it is certain they would grow, as would all other species.

The grandifloras referred to were grown in small pots the first year, then shifted to larger sized pots, and kept in the pots until sold; not being of the hardiest nature about Philadelphia they grow better when kept in pots.

With other kinds, such as glauca, tripetala, acuminata, macrophylla and the several varieties of the Asiatic type, the seeds could be prepared in the way explained and then sown outdoors early in Spring, and the best results might be expected to follow.

Varieties Coming True from Seed

A correspondent writes us that he has secured some seeds of Wier's cut-leaved Maple, and he asks whether, if he sows them, he will get true Wieri from them; and further, how long will the seeds retain their vitality if unsown.

As the writer has never experimented with the seeds of this Maple he cannot say what the results would be. While some varieties will come true from seeds, there is a falling away from the parent in the case of others. Variations might be expected, ranging probably from the Wieri, as it is, to the common dasycarpum, from which it sprang, and perhaps one still better might appear. The seed should be sown, as it would be very interesting to watch the seedlings, noting variations which are most sure to appear.

Relating to the vitality of the seeds of this Maple, if kept in an air-tight box they will grow if sown some months after ripening; but when simply spread out on a room floor after being gathered, not many would grow should sowing be delayed over a month. The practice is to sow them within a week or two after they are ripe.

Hardiness of Golden Privet

The hardiness of Privets is always an interesting question, since the usefulness and beauty of the Californian when used for hedges, as exemplified in the lovely hedges of it in the vicinity of Philadelphia and elsewhere, has been demonstrated. The difficulty is that the vastness of our country, with the climatic changes experienced in its different parts, makes it impossible to have any one plant sufficiently hardy to be set out everywhere, let it be Privet or what it may.

C. S. Harrison, in his recent contribution to the EXCHANGE, on Privets, mentions the golden-leaved one as being hardier than the green, which can be believed readily, as it has often been noted that both golden and variegated, or silver-leaved plants, are often hardier than the green ones from which they sprang. This golden one is not nearly as free a grower with us as the green-leaved parent. It is often seen used as a low border plant, and it is beautiful in such a position, but as a hedge, such as the common green one is used for, it is not met with.

It seems strange to find Mr. Harrison condemning the Ibota, yet it proves what has been noted, that variations in climate in our vast country permit of no one plant's general use everywhere in it. That Ibota does not equal the Californian with him in Nebraska shows that planters in every place must experiment for themselves to ascertain what kind suits best. As with us, the Californian keeps green a long time in the Fall, in fact all Winter in well sheltered places here.

Next to the Golden Privet in hardiness is the Swedish Privet, Mr. Harrison says. What is this, Mr. Harrison—its botanical name? The variety is unknown here, unless under some other name.

Layering Stock

In old established nurseries it is common to find a portion of ground set apart for layering purposes. In it, from the accumulation of years, may be found clumps of plants of great size, which have been growing layered, annually, for many years. These clumps are known in Europe as "stools," a name which has been adopted for them here as well. From these stools thousands of branches spring forth every year and are layered, giving a strong, well-rooted plant for every layered branch. In this way a certain number of young plants may be relied on every year. In our nurseries there are many methods of propagating; that of cuttings for one, made in Summer and rooted in a greenhouse, is in much favor, as it gives a greater number of plants to a bush than layering will. On the other hand, the rooted layer is a larger and stronger plant than the cutting, added to which is the fact that many plants, easily layered—Magnolias, for instance—do not root at all well from cuttings. In Europe, Quinces and Paradise Apples, so much called for for dwarfing purposes, are raised from old stool plants in the way described, the layering being more in the way of the mounding up of soil around the stool plants.

To form a "stool" ground, young plants of all kinds desired to be increased annually should be set out in rows, allowing for their occupying rather more surface space every year, as they occupy a somewhat extended area as years go by. In the meantime the space between the plants may be utilized by setting salable plants there, until such time as the stool plants require it.

Observation will soon show how long a time the layers should occupy the ground. The Magnolias already referred to are certainly the better for being undisturbed for two seasons, yet when layered early, and in rich ground, they will be fairly well rooted in six months from the time of being layered.

Peach Trees

During the Spring of 1910 Peach Trees were very scarce; we will have a good supply of them for Fall and Spring delivery, and are prepared to enter orders now at reasonable prices.

CALIFORNIA PRIVET

We have a good prospect for next year and would like to have orders now from responsible parties with a moderate deposit.

RHUBARB

We will have some nice clumps for forcing this Fall.

Jos. H. Black, Son & Co.
Hightstown, N. J.

Please mention the Exchange when writing.

ROSE PLANTS

Pres. Carnot, Richmond, Louis Phillip, Gruss an Teplitz, Gen. Jacqueminot, etc., 5-in. pots, $25.00 per hundred.

CRIMSON RAMBLERS FOR GROWING ON, 2½-in. and 3-in. Rose pots, $4.00 per 100.
HYDRANGEA Otaksa, for growing on, 2½-in. pots, $4.00 per 100, $35.00 per 1000.
HARDY ENGLISH IVY, 3-in. pots, 2 leads, 12 to 24 inches long, $8.00 per 100.
CHRYSANTHEMUM PLANTS, 2¼-in. pots, $3.00 per 100.
BUTTON DAISIES (Bellis Perennis), large clumps, $3.00 per 100.
FUCHSIAS, GERANIUMS, VERBENAS, PETUNIAS, SALVIA Zurich, PYRETHRUM aureum, etc. Prices on application.

J. WILLIAM COLFLESH
53rd St. & Woodland Ave., PHILADELPHIA, PA.

Please mention the Exchange when writing.

ROSES PRIME STOCK

On own roots. See prices, page 945, May 28th, The Florists' Exchange.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Please mention the Exchange when writing.

Seasonable Stock

	Per 100
ENGLISH IVY, 4-in.	$12.50
DRACAENA Indivisa, 4-in.	10.00
DRACAENA Indivisa, 5 to 6-in.	25.00
YELLOW MARGUERITES, 4-in.	6.00
WHITE MARGUERITES, 5-in.	15.00
MME. SALLEROI GERANIUM, 3-in.	4.00
ICE PLANT, 3-in.	4.00
MIMULUS, 2½-in.	3.00
SWEET ALYSSUM, 3-in.	4.00
DUSTY MILLER, 2½-in.	3.00
SMILAX, 2-in. ....per 1000, $17.50	2.00
CIGAR PLANT, 3-in.	3.00
CANNAS, Standard var., 4½-in.	7.00

Cash

JOS. J. SOKOL, FLORIST NEW HAVEN, CONN.

Please mention the Exchange when writing.

The Following Are A No. 1 Plants

From 2½ inch pots.

	Per 100	1000
FEVEREW, double white	$1.25	$10.00
BLUE LOBELIA	1.25	10.00
ROSE GERANIUMS	1.25	10.00
MME. SALLEROI GERANIUMS	2.00	
CENTAUREA (Dusty Miller)	1.00	9.00
AGERATUM, Blue	1.00	9.00
VINCA, Green	1.00	9.00
GERMAN IVY	1.25	

CASH.

S. W. CAREY, Urbana, Ohio

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable, in 5 colors including fringed varieties, from 2½-in. pots, $5.00 per 100, $45.00 per 1000; from 3-in. pots, $7.00 per 100, $65.00 per 1000. Now ready.

PAUL MADER,
East Stroudsburg, PA.

Please mention the Exchange when writing.

Cincinnati

Sunday, Monday, Tuesday and Wednesday, May 22 to 25, were about the meanest days that this city had experienced for many years, raining continually, so that stock arrived very soft, and would mildew even in the ice-box; it also had the effect of decreasing the demand, therefore the loss was something fierce for those four days, but on Thursday, Friday and Saturday it cleared up, and business began to boom, and up to this writing (May 30) everything in sight in the way of cheap flowers has been sold.

Am. Beauty Roses were in less demand than anything else but they sold fairly well. The Peony crop failed to make its appearance for Memorial Day; many who thought they were going to have a fine crop found that "Jack Frost had nipped them in the bud," and they were nearly a total loss. Weiland & Olinger are just beginning to get their crop in, and they are certainly fine, but too late for Memorial Day.

Weddings, school commencements, etc., will create a good demand for all good stock during the month of June, and we expect it to be a record-breaker for business this year.

J. A. Evans of Richmond, Ind. (everybody knows John) was a caller on the 26th; he sails for Europe next Wednesday for a three months' trip on the Continent. I know that every florist in the United States who reads these notes will join with me in good-luck and best wishes for John.

A severe hailstorm passed over southern Indiana and central Ohio yesterday (Sunday afternoon) between 4 and 5 o'clock; in some sections the report states that hailstones were piled 4" deep; this occurred at Symmes Corner, O. As to the damage done at this writing I have not heard. E. G. GILLETT.

Louisville, Ky.

The past week in the local market was rather good for business according to Louisville florists. Rain and cold weather have hindered business to some degree and florists express themselves as glad that indications now point toward good weather. Planting trade was the most seriously affected, since few people were daring enough to put out any plants with the prospect of having them ruined by the cold and rain, but, on the other hand, the cut flower trade suffered very little, if any. The season for commencements of Louisville schools has not yet opened to the fullest extent, although there have been several small commencements of law schools and dental colleges, and added to this came several exhibitions by dancing academies and a dramatic entertainment or two by local dramatic clubs, that have caused a distinct increase in the local demand for flowers.

Planting has now been resumed and the business being done in plants of all kinds indicates that the season will be an excellent one. Several large local dealers are contemplating the enlargement of their establishments as soon as they can spare the necessary time from their affairs. Taken as a whole, the flower trade in Louisville for the next few weeks promises to make up one of the most successful seasons that Louisville florists have ever had, and extensive preparations have been made by them to take care of the business in first-class style.

The Louisville Automobile Club has been considering the proposed big floral parade of Louisville automobilists during the early part of June. The parade is now practically assured and it will be a magnificent affair, since there are more than 1500 licensed autos in the city and they would all be participants in some manner or other. Several florists are members of the Club and they are enthusiastic over the parade project, although some of the wise ones claim that they have been in such affairs before with little success. But the movement is being boosted by the men behind the guns and it seems that Louisville will soon have an affair of this kind, which will not only reflect credit upon the Automobile Club but also upon the florists of Louisville.

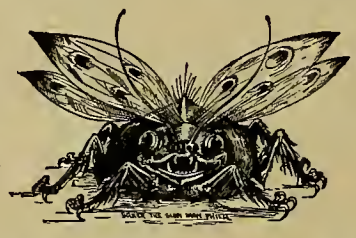
Fred Haupt is one of the Louisville florists who is an enthusiastic motorist. He intends to drive up to Indianapolis in his big Premier to see the motor races on May 28-31. Mr. Haupt will be one of the Louisville automobile owners who will combine to give the city's orphans a ride on Orphans' Day, which comes during the early part of June.

It is rather a peculiar feature of a post-card shop when it carries Roses as a supplement to the business. This is, however, true of the "Conoco" post-card shop, which is one of the largest shops in Louisville for the sale of post-cards exclusively. Gus Hammerle, the manager, says the idea occurred to him that he might introduce a line of flowers with profit. The store is situated in the heart of the retail shopping district, and the street is thronged with promenaders on Saturdays. Experience has shown to Mr. Hammerle that flowers enhance the general appearance of the store and lend fragrance to its atmosphere. At present only Roses are handled. These are featured at 5c. apiece or 50c. per dozen and the department has been so successful that Mr. Hammerle is expecting to introduce a complete line of other flowers.

Commencement business has opened up pretty well for Aug. R. Baumer, who

LOOK! LOOK!

Surplus Stock of Bedding Plants at Stinging Prices



I Offer These to Make Room for Arriving Importations

CANNAS, J. D. Eisele, 4-in., $8.00 per 100; Bismarck, Richard Wallace, Kate Gray, 4-in. pots, $7.00 per 100.
BEGONIA FLAMBEAU, 6 in. pots, 18 to 24 in. high, for boxes and vases, 25c.
SCARLET SAGE, in bloom, Clara Bedman or Bonfire, 4-in., $7.00 per 100.
AGERATUM, dwarf, best blue, 3-in., 4c.
HELIOTROPE, blue, 4 in. pots, $7.00 per 100.
ENGLISH IVY, 8-in. pots, 18 to 25 in. high, $5.00 per 100.
GERMAN IVY, 2½-in., 3c.
VINCA Variegata (Periwinkle), for vases or window boxes, 4 in. pots, good stock, 10c. to 12c.
FUCHSIAS, assorted colors, 4 in., $7.00 per 100.
GERANIUMS, La Favorite (double white), Beaute Poitevine (one of the best salmon double), Jean Viaud (double pink), 4-in. $7.00 per 100.
PETUNIAS, double, assorted colors, 4 in., $7.00 per 100.
LANTANAS, assorted colors, 4 in., $7.00 per 100.
NASTURTIUM Empress of India and six other good varieties, 3-in., $6.00 per 100.
RICINUS or Castor Oil Plants, 4-in., 15c.
ECHEVERIA GLAUCA, good strong plants, $3.00, $4.00, $6.00 per 100.
ASTERS, German, Queen Victoria, 4 separate colors, 2 in. pots, $3.00 per 100.
CYCAS Revoluta, or Sago Palms, clumps from 3 to 10 lbs., 10c. a lb.
26 plants at 100 rate.
ZINNIA elegans, 2½ in., $3.00 per 100.
Small plants, 2½ to 3-in., $3.00 per 100:
VERBENAS, assorted colors, PHLOX DRUMMONDI, dwarf or grandiflora, French dwarf TAGETES (the Queen of Marigolds), COSMOS, assorted; COLEUS, Verschaffeltii, Queen Victoria and Golden Bedder (fancy colors, $4.00 per 100; NASTURTIUMS (dwarf); SWEET ALYSSUM, Little Gem or Carpet of Snow; TRADESCANTIA, THUNBERGIA (Black-Eyed Susan); MAURANDIA Barclayana; IBERIS or CANDYTUFT (white only); SALPIGLOSSIS; LOBELIA, Crystal Palace (blue), dwarf or trailing; DUSTY MILLER or CENTAUREA Gymnocarpa.
PETUNIAS, Cal. Giant, 3 in., best strain, $5.00 per 100.
In NEPHROLEPIS or FERNS we have the following: Scottii, Whitmani and Boston, medium size, 4 in., 20c. Scholzeli, medium, 4 in., 25c.
PRIMULA Obconica, 5-in., in bloom, $2.00 per doz.
DRACAENA Indivisa, 6 to 5½-in., 25c.
KENTIA Forsteriana and Belmoreana, 25-30-48 in., $1.00, $1.25, $1.50, $1.75 to $2.00.
CRIMSON RAMBLER ROSES, 7-8 in. pots, 75c., $1.00, $1.25 each. Dorothy Perkins, one of the newest best pinks, pot grown, 2 to 3 years old, 35c., 40c., 50c.
FICUS ELASTICA, 4 in. pots, 25c.
Don't forget we are the wholesale growers and shippers of the genuine MOON VINE, the Ipomoea Noctiflora, for which we have had, for the last 25 years, a world-wide reputation. A rapid grower; grows in one season 60 ft. and over with thousands of pure white, waxy, fragrant flowers as big as a saucer. We ship 25,000 every season to every state in the Union, Canada and Mexico. 2½-in. pots, $5.00 per 100; 4-in., staked up, $12.00 per 100.
ARAUCARIA excelsa. First consignment just arrived from Antwerp, in their original packing, 2-3-4 year old, 3-4-5-6 tiers, 12-16-18-20-26 in. high, 35c., 50c., 60c., 75c., $1.00 to $1.50.
ARAUCARIA compacta, Robusta and Glauca, $1.00, $1.25 to $1.50.
All plants must travel at purchasers' risk.

Cash with order, please.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Why Delay Ordering Your Begonia Gloire de Lorraine?

You will soon want them sure. We are equipped better than ever to supply Excellent Stock; 2½-inch pots, twice transplanted, at $15.00 per 100, $140.00 per 1000.
CYCLAMEN, 3-inch pots, $7.00 per 100; 4-inch pots, $15.00 per 100.
POINSETTIAS, 2½-inch pots $5.00 per 100; $45.00 per 1000. Write us for Katalog.

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

DOMOTO BROS.

Wholesale Florists

Store, 2729 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.

Headquarters for Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.
Palms, Ferns and Decorative Plants a Specialty.
We respectfully solicit your patronage.

Begonia Gloire de Lorraine

FOR JUNE DELIVERY

2¼-inch repotted Stock

Price, $15.00 per 100

SCOTT BROS.
Elmsford Nurseries, ELMSFORD, N. Y.

Please mention the Exchange when writing.

ORDER NOW For June Delivery

Begonia Gloire de Lorraine
2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen
2½-in., $5.00 per 100, $45.00 per 1000

Poinsettias
2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis
2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.
Scranton, Pa.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

has shipped most of his orders in this connection. However, the local schools will shortly begin to hold their commencements and Mr. Baumer is preparing for a big rush of business.

The Anchorage Rose Company of Anchorage, Ky., and Charles Rayner, president of the company, have assigned to the Louisville Trust Co., for the benefit of their creditors. The severe Winter and poor business are ascribed as the causes of the failure.

F. Walker & Co. are now holding a big sale of plants. This is widely advertised and the public is invited to visit the conservatory at the store and receive a floral catalog free. Some bargains are offered in Ferns, Roses, Geraniums and Tuberose bulbs.

The local association of florists had a meeting recently and a committee was appointed to arrange for a picnic to be held in the near future. These annual picnics have always been a very pleasant feature in local circles and the coming one is sure to prove very successful, being in charge of Fred L. Schultz, Robert Miller, and Louis Kirch.

Oswego, N. Y.

In my twenty years' acquaintance with Oswego, never have I seen such a grand lot of bedding plants offered by the florists for Memorial Day as they had this year. The public has been gradually educated to know and demand good stock and the man who does not produce it gets left.

Outdoor flowers here, as in other places, were very scarce. The heavy rains ruined mostly all the Tulips, and other things, and the florists were depending on selling their plants, and did not order many cut flowers.

Mrs. Becksledt had a very nice lot of stock, all in good shape, also a good crop of Carnations. A large bed of Darwin Tulips, Gretchen, in a sheltered position was just right. A large business is done by her in window boxes and vases; she is very pleased with her increasing trade.

W. D. Stewart had his place in fine shape; in fact, I can't recall the time when his stock looked so well. He still grows some French Pelargeniums and flowers well. His white Petunia, which I have mentioned before, is grand. I noticed that instead of throwing away his Carnations he had taken up to make room he had cut them back and planted them outside. Why won't more follow the plan—then they would have plenty of flowers for their Summer trade.

W. H. Workman had a magnificent stock of S. A. Nutt Geraniums just right, thousands upon thousands of plants in full flower. Last year I praised his Hydrangeas; this year he has gone one better, and had 300 as fine plants as one would find in a long day's journey, which sold readily at from $1 to $2 each. In a large city they would bring $3 to $5 easily. He had a very large stock of bedding plants in fine shape. The banking on Tulips to be in for a certain day is a pretty risky as well as expensive piece of business as Mr. Workman finds, for he not only lost several thousand by the rain storm, but a thousand he bought for crimson turned out to be nondescript light pink, neither white nor pink, and a kind that no one would buy at any price.

There has been more planting of Roses, shrubs and hardy plants than ever before. The public are taking greater interest in their home surroundings.

H. Y.

Washington, D.C.

The very cool weather which followed the warmer wave retarded all outside flowers which are usually relied upon for Memorial Day decorations, and the majority of stock offerings came from the various greenhouses. The demand is slightly on the increase each year, and while this seems not to have been a record-breaker stock moved well on all sides. There was the usual large gathering at Arlington National Cemetery, where all sorts of floral emblems, from the most expensive to a few hardy Roses with arborvitæ green, were placed upon the graves.

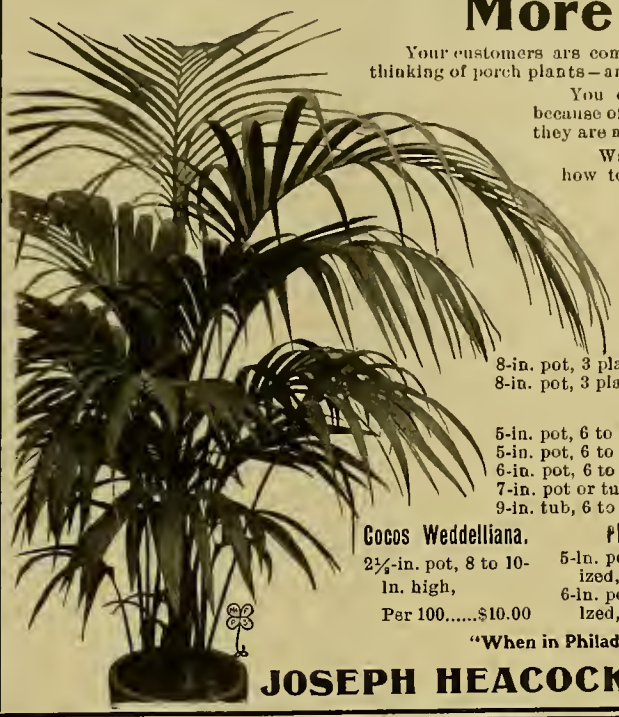
At four in the afternoon of the 30th, the usual custom of liberating a small rowboat, loaded with flowers, upon the waters of the Potomac was put into effect, the boat being started from the foot of 4½ st. and permitted to take its own course. The idea is that the little craft, dedicated to those who died in the deep, may finally scatter its floral contents over the watery graves.

The last cut of home-grown Peonies had to be retained in cold storage for a day or two in order to be in condition to offer for sale, and a great many others were shipped in from the North and sold very well. On the whole flowers were unusually scarce. Crimson Rambler Roses, as usual, are too late to be of service except in especially protected spots, where Rose Philadelphia made good. Some of the white Ramblers were also in good condition and helped a scanty market on cheap flowers, but these, like other hardy Roses, were not in profusion owing chiefly to the late heavy rains. Prices on most all stock advanced a little.

June weddings are now the principal item of interest to the local florist, and it is understood that some good orders are already booked.

The cool weather and late adjournment of Congress is holding a large number of the society people in the city past their usual time and this also stimulates the trade considerably. J. L. C.

"Heacock Quality" Palms Mean More Trade For You



Your customers are commencing to stay out-of-doors more now; they are thinking of porch plants—and most particularly of PALMS.

You can sell Heacock's Palms to your trade—**profitably** because of their handsome, thrifty appearance and great vigor; they are an ornament anywhere.

We grow Palms by the thousand, from seed; we know how to produce the best results, and our stock is vastly better than Imported Palms **at any price**—yet ours cost no more, as you'll see from the following list. Our stock this year is extra-fine and we'd like a trial order from you. We have splendid freight connections and can ship promptly.

Areca Lutescens. Each

6-in. pot, 3 plants in pot, 26 to 28-in. high.....$1.00
7-in. pot, 3 plants in pot, 30 to 32-in. high..... 2.00
8-in. pot, 3 plants in pot, 36-in. high..... 2.50
8-in. pot, 3 plants in pot, 42-in. high..... 3.00

Kentia Belmoreana. Doz. 100

5-in. pot, 6 to 7 leaves, 18-in. high.....$6.00 $50.00
5-in. pot, 6 to 7 leaves, 20-in. high..... 9.00 70.00
6-in. pot, 6 to 7 leaves, 22 to 24-in. high, Each $1.00; Doz. $12.00
7-in. pot or tub, 6 to 7 leaves, 32 to 34-in. high Each $2.00; Doz. 24.00
9-in. tub, 6 to 7 leaves, 5-ft. high..... .....Each $7.50 and $8.00

Cocos Weddelliana.
2½-in. pot, 8 to 10-in. high,
Per 100.....$10.00

Phoenix Roebelenii.
5-in. pots, nicely characterized, Each.....$1.00
6-in. pots, nicely characterized, Each.....$1.50

Made-up Kentia Forsteriana.
9-in. tub, 4 plants in tub, 42 to 48-in. high, Each $4.00
12-in. tub, 4 plants in tub, 6 ft. high, Each.....$15.00

"When in Philadelphia be sure to look us up."

JOSEPH HEACOCK CO., Wyncote, Pa.

Please mention the Exchange when writing.

WE call special attention to our large stock of **FERNS,** in all the leading varieties. We particularly mention **NEPHROLEPIS SCHOLZELI** and **NEPHROLEPIS COMPACTA,** both of which are exceptionally fine varieties for growing on.

Neph. Scholzeli
2¼-in. pots, strong plants..$8.00 per 100; $75.00 per 1000
4-in. pots, strong plants..$25.00 per 100; $225.00 per 1000

Neph. Scottii
2¼-in. pots, strong plants..$5.00 per 100; $45.00 per 1000
4-in. pots, strong plants..$15.00 per 100; $120.00 per 1000
7-in. pots, strong plants....$9.00 per doz.; $65.00 per 100
8-in. pans, strong plants...$12.00 per doz.; $90.00 per 100
10-in. pans, strong plants.....$24.00 per doz.

Neph. Todeaoides
4-in. pots .....$20.00 per 100
8-in. pans .....$12.00 per doz.
11-in. tubs, very handsome .....$36.00 per doz.

Neph. Whitmani
9-in. pots .....$18.00 and $24.00 per doz.

Neph. Amerpohlii
4-in. pots .....$20.00 per 100
8-in. pots .....$6.00 and $9.00 per doz.

Neph. Compacta
2¼-in. pots, strong plants..$16.00 per 100; $125.00 per 1000

Ficus Pandurata, at $2.00, $3.00, $4.00 and $6.00 each
(Branch), at .....$2.50, $3.00, $4.00 and $6.00 each

Crotons
4-in., well colored .....$25.00 per 100
6-in., well colored .....$50.00 and $75.00 per 100
8-in., well colored .....$9.00, $12.00 and $15.00 per doz.
Well colored specimens at $1.50, $2.00, $2.50, $3.00, $3.50 and $4.00 each.

Queen Alexandra Daisy
Strong plants, exceptionally well flowered, just the thing for window boxes and vases, at $5.00 and $6.00 per doz.

Pandanus Veitchii
Beautifully colored .....$6.00 per doz.; $45.00 per 100

Cyclamen.
We are the largest growers of Cyclamen in America. The stock offered this year is the very highest quality.
2½-in. pots, very strong....$8.00 per 100; $75.00 per 1000
3-in. pots, very strong.....$10.00 per 100; $90.00 per 1000
This stock is much heavier than is generally offered in the above sized pots and will make specimen plants for Christmas sales.

Gardenia Veitchii
2¼-in. pots .....$8.00 per 100; $75.00 per 1000
5-in. pots .....$5.00 per doz.; $35.00 per 100
6-in. pots .....$8.00 per doz.

Standard Baby Ramblers, Crimson, very strong, $1.25 each.
Standard Baby Ramblers, White, very strong, $1.25 each.

CHRYSANTHEMUMS
General Collection, 2¼-in. pots, $3.00 per 100, $25.00 per 1000.

ROBERT CRAIG COMPANY, 4900 Market Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

Newport, R. I.

There was a good demand for all kinds of flowers for Memorial Day, and owing to the earliness of the season outdoor Valley and the Lilacs were all past, which is something unusual in this section. This shortage increased the demand for pot plants for cemetery decoration.

Thomas Galvin furnished a large quantity of Geraniums in 4-in. pots to the Grand Army of the Republic for use in the cemeteries, as well grown a lot of stock as one could wish to see.

Joe Leikens is on hand and has opened up his Bellevue ave. store for the season.

Ralph Armstrong, manager for Wadley & Smythe, is also here making arrangements for their opening.

The prospects for a good season are better, at this time than for years.

The demand for a raise in wages by garden employees is likely to have an early settlement. Not a few have already been notified that the increase of wages asked for will be given. A. MACL.

Incorporation

OLYMPIA, WASH.—The Rose Floral Co. of Spokane has been incorporated with a capital of $100,000. Frank T. Manahan and others are incorporators.

ORCHIDS

The following freshly imported Orchids have arrived in excellent condition. We beg to offer them as follows:

	Per doz.	Per 100
CATTLEYA Trianae plants, with 6 to 8 bulbs	$15.00	$100.00
C. Trianae plants, with 9 to 12 bulbs	20.00	150.00
Or in case lots	$50.00	
C. Percivaliana plants, with 6 to 9 bulbs	15.00	100.00
C. Percivaliana plants, with 10 to 12 bulbs	18.00	125.00
Or in case lots	$48.00	
C. Mossiae plants, with 6 to 8 bulbs	15.00	100.00
C. Mossiae plants, with 9 to 12 bulbs	20.00	150.00
Or in case lots	$50.00	
C. Gaskelliana plants, with 6 to 8 bulbs	15.00	100.00
C. Gaskelliana plants, with 9 to 12 bulbs	20.00	150.00
Or in case lots	$50.00	
C. speciosissima plants, with 6 to 8 bulbs	15.00	100.00
C. speciosissima plants, with 9 to 12 bulbs	20.00	150.00
Or in case lots	$18.00	
C. Schroederae plants, with 6 to 8 bulbs	24.00	175.00
C. Schroederae plants, with 9 to 12 bulbs	30.00	225.00
Or in case lots	$70.00	
C. labiata plants, with 5 to 8 bulbs	15.00	100.00
Or in case lots	$50.00	
Prices on all Cattleyas in case lots based on 400 bulbs to the case.		
ONCIDIUM varicosum Rogersii plants, with 3 to 5 bulbs	15.00	100.00
O. Sarcodes plants, with 5 to 6 bulbs	18.00	.....
O. crispum plants, 5 to 6 bulbs	20.00	.....
O. crispum plants, 7 to 8 bulbs	24.00	.....
O. Forbesii plants, 5 to 6 bulbs	20.00	.....
O. Harrisonianum plants, with 9 to 12 bulbs	15.00	.....
ODONTOGLOSSUM grande plants, with 5 to 6 bulbs	15.00	100.00
O. grande plants, with 7 to 8 bulbs	20.00	150.00
DENDROBIUM formosum plants, with 6 to 8 bulbs	18.00	125.00
D. formosum plants, with 9 to 12 bulbs	24.00	150.00
D. formosum plants, with 13 to 15 bulbs	36.00	250.00
MILTONIA cuneata. Excellent for Cut Flower growing, and of easy culture, large clumps	36.00	.....

If you do not have our catalogue write us

Lager & Hurrell

Summit, N. J.

Please mention the Exchange when writing.

ORCHIDS

We are glad to notify our retail customers that we have not anything to do with August Millang Store; therefore if you wish to favor us with your orders, call as by telephone, 51L, Madison, N. J., or to our address in Madison, N. J.

ORDONEZ BROS.

Please mention the Exchange when writing.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, ST. ALBANS, ENGLAND

and 235 Broadway, Room 1, New York City

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

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JUST ARRIVED

ORCHIDS

Guaranteed True Type

Cattleya Trianae — Cattleya Mendelii
Cattleya Schroederee
Cattleya Gigas — Cattleya Aurea

In excellent condition. For prices apply to

JOHN DE BUCK
C/O MALTUS & WARE
14 Stone Street NEW YORK CITY

Please mention the Exchange when writing.

ORCHIDS

We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawrenceana, Gaskelliana, Dowiana and Percivaliana. Write to-day.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

COVINGTON, IND.—W. C. Welchel has sold his fruit farm and florist establishment to J. Micheles of Danville, Ill.

Greenhouses Building

ALLENTOWN, PA.—John H. Sykes is planning to erect an additional greenhouse.

BRISTOL, IND.—H. W. Kantz is preparing to erect a greenhouse and go into the florist business.

SCRANTON, PA.—Ira G. Marvin, florist, is erecting a greenhouse opposite the main entrance to the Cathedral Cemetery.

SEDALIA, MO.—Chas. H. Gelven, junior member of the firm of Gelven & Son, florists, has gone to Cape Girardeau where he will at once begin to build greenhouses.

Wax Flowers on Soldiers' Graves

General J. Madison Drake is in trouble with Grand Army men because of his action in substituting wax flowers for natural blooms in decorating the graves of soldiers in Evergreen Cemetery at Elizabeth, N. J. When the veterans reached the cemetery on Decoration Day and found that General Drake, who is supervisor of soldiers' and sailors' graves for the Board of Freeholders, had "planted" wax affairs they were indignant.

The imitation flowers were uprooted and thrown away. Captain Alfred Atkins, past commander of the Department of New Jersey, G. A. R., issued a statement yesterday in which he denounces the action of General Drake and the Board of Freeholders. He said:

"It has been in the minds and hearts of mankind of all ages that the flowers of the Springtime were the sweetest and loveliest of all of God's creation, and when the thought of a day to be set apart for a Memorial Day came into the minds of some of the leaders of the Grand Army a day in Spring was chosen, so that these emblems of love could be had in abundance—that the graves of those who have answered the last roll call could be decorated as a token of remembrance and esteem. It certainly seems to us that the Board of Freeholders of Union County could use the people's money to better purpose than this. The sufferings endured by the boys of the Union army were no shams and they want no shams placed on their graves."

Coming Exhibitions

Boston, Mass., June 9 and 10.—Peony exhibition of the American Peony Society and the Massachusetts Horticultural Society at Horticultural Hall, 300 Massachusetts ave. Secretary of the Peony Society, A. H. Fewkes, Newton Highlands, Mass.

Denver, Colo., June 8, 9 and 10.—25th Annual Convention of the American Association of Nurserymen. Secretary, John Hall, Rochester, N. Y.

Glen Cove, N. Y., June 8, 1910.—Annual Show of the Nassau Hort. Soc. will be held in Pembroke Hall at 4 p.m. Oscar E. Addor, cor. sec.

Minneapolis, Minn., Nov. 10-16, 1910.—Flower Show of the Minnesota State Florists' Association. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

New Bedford, Mass., Sept. 15-17, 1910.—Annual exhibition of the New Bedford Hort. Soc.

Newport, R. I., June 23 and 24.—June exhibition of the Newport Horticultural Society at Masonic Hall. Secretary, Daniel J. Coughlin.

Orange, N. J., October 1, 1910.—Fifth Annual Dahlia Show of the New Jersey Floricultural Society, from 4 to 10 p.m. Schedules on application to William Reid, secretary.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, Secretary, 6473 Florissant ave., St. Louis.

Tarrytown, N. Y., June 14.—June Show of the Tarrytown Horticultural Society. E. W. Neubrand, secretary.

CHICAGO CARNATION CO.

JOLIET, ILL.

ORCHIDS

ARRIVED THIS WEEK

CATTLEYAS
TRIANAE
LABIATA
SCHROEDERAE
MOSSIAE
GASKELLIANA
MENDELII

DENDROBIUMS
CAMBRIDGEANUM
CHRYSOTOXUM
CRASSINODE
JAMESIANUM
DEVONIANUM

RENANTHERA IMSCHOOTIANA

VANDA COERULEA

CYPRIPEDIUMS
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LAELIA ANCEPS ALBIDA

ONCIDIUM CAVENDISHIANUM

G. L. FREEMAN CO.
FALL RIVER, MASS.

Please mention the Exchange when writing.

CARNATIONS

Strong, clean, well-rooted stock; large Cuttings that will make plants quickly.

Large, strong, well rooted, absolutely no disease, taken from plants grown especially for stock and rooted in a cool house. These will make plants quickly and cannot fail to please you.

	100	1000
Enchantress	$3.00	$25.00
Pure White Enchantress	3.50	30.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Winona	3.00	25.00
Harlowarden	2.50	20.00

Stock from 2-in. pots, 50c. per 100 more than the 100 rates named above, net.

Cash with order. Sand Stock, 250 at 1000 rates.

SMITH & GANNETT, Geneva, N. Y.

Please mention the Exchange when writing.

SHASTA

For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; **$100.00** per 1000

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

Please mention the Exchange when writing.

CARNATIONS—From Pots

	Per 100	1000
Harlowarden	$2.00	
Enchantress, Pres. Seelye, and Mrs. Patten	3.50	$30.00
Asparagus Sprengeri, 3-in. pots	5.00	
Geraniums, assorted, in bud and bloom, 3½-in.	6.00	
Vinca variegata, 3-in.	5.00	
Tomato Plants, from cold frames		4.00
Tomato Plants, from pots	1.00	
Egg Plants, from pots	3.00	
Cabbage Plants, from old frames		2.50

Cash with order.

S. G. BENJAMIN, FISHKILL, N. Y.

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Madison, N. J.

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SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advte. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Catalogs Received

J. F. ROSENFIELD, West Point, Neb.—Wholesale Price List of Peonies for Fall 1910 and Spring 1911, to the trade only. This list comprises a representation of varieties of Peonies of great value commercially. In the introductory note special attention is called to Karl Rosenfield, one of his latest and most beautiful productions, in color a velvety crimson scarlet.

HOOPES, BRO. & THOMAS CO., Maple Avenue Nurseries, West Chester, Pa.—Select List of Choice Fruits and Ornamentals. A 72-page publication, enlisting the best to be had in the nursery line after 57 years' experience. The catalog contains an extended list of Standard and Small Fruits; the Ornamental Department embraces Evergreens, Deciduous Shrubs, Evergreen Shrubs, Vines, Roses, Hedge Plants, Herbaceous Peonies, Hardy Phloxes, Hardy Perennials, Ornamental Grasses, and concludes with a list of Bulbs and Tubers. Features of the catalog are two autochrome color plates illustrative of Climbing American Beauty Rose and Christine Wright Rose, both originated by the firm. The former is a cross between American Beauty and an unnamed seedling, of rosy crimson color, identical with its pollen parent, American Beauty, and possessing the same exquisite fragrance, a quality rarely found in climbing Roses; the plant as pictured is from an original bush, six years old, and containing over one hundred blossoms on one side. Christine Wright is bright, clear wild-rose pink, three and one-half to four inches in diameter, double, and borne singly and in clusters; it is very beautiful in bud and lasts days after cutting. The plant is a cross between an unnamed seedling and Mme. Caroline Testout and is adaptable as a post or pillar Rose. It is recommended as a good companion to Climbing Am. Beauty.

Culture of Begonia Lorraine

—Does Begonia Lorraine need any special culture to grow it? I have all kinds of success with Ferns but cannot do anything with Lorraine. What is the cause of a white fungus growing on it? I do not give it any more moisture than to just dampen the soil.—J. L., La.

—In potting use a screened mixture of two parts good loam, one part leaf mould, and one part well rotted horse manure. Keep the plants moving right along. Give them a shift before they become potbound. Scratch over the surface of the soil and keep the mould from forming. Give the young plants a night temperature of 67° to 70°.

Always maintain an even condition of suitable soil moisture throughout the pot. The soil should neither be dry nor soggy.

Shade the glass very lightly over the small plants by applying with a brush a six-inch stripe of whitewash down the center of the rows of glass. The larger the plant the less the shade which is required.

MINNEAPOLIS, MINN.—Because he was discharged and refused his pay before the regular pay day, Frank Hayes, formerly employed by the Will Bros. Co., florists, is alleged to have entered the greenhouse sometime on the night of May 18 and destroyed 25,000 Carnation buds. He was arrested and on examination held for the grand jury. The damage was estimated at $1000.

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600	Amy Muller	$3.50	$30.00
600	Anne De Diesbach	3.00	27.50
7000	Alberic Barbier	3.00	25.00
600	Caprice	3.00	27.50
300	Coquette des Blanches	3.50	30.00
800	Clio	3.50	30.00
200	Clothilde Soupart	3.00	25.00
2000	Flower of Fairfield (Everblooming Crimson Rambler)	10.00	100.00
300	Francois Level	3.00	27.50
300	Gen. Jacqueminot	3.50	30.00
2000	Goldfinch (improved Yellow Rambler)	3.50	30.00
500	Gen. Washington	3.50	30.00
10000	Hiawatha	3.00	27.50
600	Leone Lemesch	4.00	35.00
400	Magna Charta	3.50	30.00
200	Mrs. John Laing	3.50	30.00
200	Mme. Georges Bruant	4.00	35.00
500	Oakmont	3.50	30.00
500	Princess Adelaide Moss	4.00	35.00
8000	Philadelphia Rambler	3.00	25.00
300	Queen of the Prairies	3.00	25.00
300	Salrano	3.00	25.00
8000	Veilchenblau (Blue Rambler)	10.00	100.00
7000	White Dorothy Perkins	8.00	75.00
200	Wichuraiana (type)	3.00	25.00

Odds & Ends

		Per 100	Per 1000
1000	Asparagus Plumosus Nanus	$2.50	$22.00
1000	Asparagus Sprengeri	2.00	18.00
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1000	Jerusalem Cherry	2.75	22.50
1500	Palm Kentia Belmoreana	7.00	60.00

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ASPARAGUS SPRENGERI 3 inch, $6.00 per 100.

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J. L. DILLON, Bloomsburg, Pa.

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BY EBER HOLMES

Replanting the Benches

No time should be lost after the rush of Memorial Day business is over before replanting is commenced. On places where plants in variety are grown for a retail trade, the first two weeks in June are, perhaps, the busiest in the whole year. At such times as these the young stock is liable to be neglected, but it is very unwise and costly to allow such neglect to occur. It is much cheaper to put on enough extra help to keep everything moving along in good shape, to get things attended to properly, and to have all work done at the proper time, than to let things spoil for want of proper care. It is a mistake to try to do too much. Hard work is all right; constant endeavor and eternal vigilance are necessary to ensure success, but many a man had better take a vacation than try to do too much. Some people waste half their time on work never finished, or done in such a way as to be unprofitable.

Let us suppose that we now have several benches, or several houses, where the crop is cut off; and that we have a retail business and are rushed with work of every description, so that it seems impossible to get at the Rose planting for several weeks yet. There must be one man on such a place who could be called the Rose grower. Perhaps you could spare another regular man to help him, and then by hiring two or three laborers for a couple of weeks the work could be gotten well out of the way. The plants would improve and increase in value rapidly, and everybody on the place would feel good to see progress made, while the comparatively small extra outlay would result in increase sales in the Summer and Fall.

Advantages of Early Benching

I saw stock of My Maryland that was planted about the middle of May, last year, from which an average of more than 20 flowers per plant was cut before the first of October the same year. Assuming that these sold for an average price of 2 cents each, there would be a return of forty cents per plant for the three Summer months, a time when we used to believe there was little doing in the cut flower business. And if you can make your plants pay well on the first end of the season you are likely to be successful all through; but, if any accident occurs to spoil your crop, or if the market is poor later, you certainly have the advantage of the man who does not begin to cut until late in the season.

These remarks apply more to the man with a small place than to the larger grower. In a general way they are correct. Perhaps the retailer can buy his Roses cheaply in the wholesale market in the Fall, but that is no reason why his own stock should be neglected. On large places, where flowers are cut every month in the year, houses may be planted in succession at almost any time. This seems to me to be the best solution of the problem of regulating the market. It is really regulating the cut to meet the requirements of the market. We like to have a regular cut at all times, with an extra lot for every holiday. We replant about a third of our place every year. We do not cut much from the young plants before Christmas, but the old ones are paying well and the young ones come in at a time when they are most needed, which is in the Winter months. From this onward and well into the Summer the young plants are very profitable and can be carried along while some of the older ones are being thrown out to make room for young stock.

Passing of Varieties Bride and Bridesmaid

Through force of circumstances we were obliged to plant some Bride and Bridesmaid last year. I thought at that time that these varieties would be with us a few years longer, particularly the Bride. However, we find that the Bride is rapidly losing ground, while Bridesmaid is almost unsalable. We shall, therefore, replace these with other varieties as quickly as the Memorial Day crop is off.

Planting in Old Soil

As we put some very good new loam into the beds last year where these plants are growing, we shall simply dig up the bushes, spread on the soil several inches of green cow manure, fork it well into the soil and plant our young stock. We shall save quite a little in labor and loam, and gain nearly a week in the time of planting by this method; and I know that we shall get good results in this way, for we have done so before. If Roses will grow for five to fifteen years in the same soil without being replanted and give good results, why is it necessary to renew this particular soil? Of course, I believe in new loam, generally speaking, and do not for a moment advocate any departure from the regular procedure, but there are cases where it seems a waste of time and money to renew soil. It used to be considered the proper thing to throw away the bushes and replant every year with young stock when own root plants were grown altogether; and I remember one particular case where a house of Roses did remarkably well the first year. They were thrown out and others substituted in loam which proved to be full of eel worms, and the results were disastrous. I have often thought, since, that it is better to hold on to a good thing as long as it is doing well than to change too quickly. It must be understood that if there is anything wrong with the loam in a house, and which is a menace to the well being of the plants, such loam should be removed completely, and new soil substituted before any replanting is done.

It is very unwise to plant anything but good stock. Old plants before being replanted should be dried off a little, but not enough to shrivel the wood.

Care of the New Plants

Plant carefully and pound down the loam well around each plant. Give a good watering to settle the soil and then give no more water at the roots for two or three weeks, but syringe the tops as needed. There is little difference in the treatment of young stock. The main object at first is to get the bench full of roots; to do this the soil must be kept rather dry and sweet. Only water around each plant for the first few weeks. If too much water accumulates in the depression left in the soil around each plant, as it sometimes does from the frequent syringing, scrape the soil into the hole and partly fill it up when rubbing it over to keep down the weeds. This scratching over should be done about once a week for the first few weeks after planting.

A New Dwarf Polyantha Rose

A most striking new dwarf Polyantha Rose is Jessie, and it is rapidly winning favor from the ladies. The plants are truly miniature, the height being 1 ft., foliage small and flowers not above ½ an inch. These are brilliant pink and are produced in small clusters. As shown by Chas. Turner of Slough it was right away from anything shown at the R. H. S. meeting. The Orleans Rose as staged by Stuart Low & Co., was more profuse flowering, and for bedding purposes this variety will probably prove the best. T. A. W., Eng.

ROSES

Own Root, Fine Stock

White Killarney, 2¼-in., $1.50 per doz., $8.00 per 100. Chatenay, Carnot, Kaiserin, Killarney, Perle, Richmond, Sunrise and Sunset, $6.00 per 100. Bride, Bridesmaid, Golden Gate and Uncle John, $4.00 per 100; 3-in. pots, $7.00 per 100, $60.00 per 1000.

GRAFTED, Fine Stock

My Maryland, 3-in., $18.00 per 100. Bride, Bridesmaid, Carnot, Chatenay, Enchantor, Golden Gate, Kaiserin, La France, Mrs. Jardin, Rhea Reid, Uncle John, Wootton, strong 1 year, grafted, 3-in. pots, $15.00 per 100; strong 1 year, own root, $8.00 per 100. This stock is fine for planting outside.

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Mammoth, in bud and bloom, $3.00 per 100.

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Mrs. Clay Frick, Golden Dome, Golden Glow, Mlle. A. Laurent, Money Maker, White Shaw, Yellow Eaton. Rooted Cuttings, $3.00 per 100, $16.00 per 1000.

A. J. Balfour, Autumn Glory, Ada Spaulding, Cullingfordii, Dr. Enguchard, Dorothy Devens, Early Snow, Glory Pacific, Harry May, H. W. Relman, Ivory, Jeanne Nonin, J. E. Lager, J. K. Shaw, Maud Dean, Meta, Mrs. Jerome Jones, Miss Alice Byron, Mrs. Baer, Mrs. R. McArthur, Maj. Bonnaffon, Nagoya, Polly Rose, Riverside, Robt. Halliday, Timothy Eaton. Rooted Cuttings, $1.50 per 100; 2¼-in. pots, $3.00 per 100, $25.00 per 1000.

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ALTERNANTHERA, Red and Yellow	2¼	3.00
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ASPARAGUS Sprengeri	2¼	4.00
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MOONVINE, True White	4	10.00
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STEVIA Variegata	2¼	3.00
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TROPAEOLUM, Double	2¼	4.00
VINCAS, Variegata and Elegans	3	5.00
Variegata and Elegans	4	10.00
VIOLETS, Marie Louise, R. C.		1.60

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Cannas from 4-inch pots, in the following varieties: A. Bouvier, Mme. Crozy, Souv. de A. Crozy, Chas. Henderson, Gladiator and Shenandoah, price $8.00 per 100 or $70.00 per 1000. King Humbert, $15.00 per 100.

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Rutland Road and East 45th Street, BROOKLYN, N.Y.

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Carnation Wodenethe

The new Carnation Wodenethe, originated by Frank E. Witney, gardener to Winthrop Sargent, Fishkill-on-Hudson, N. Y., is a glistening, pure white seedling, the result of a cross between Prosperity and Enchantress. The plants show unusually strong, erect growth, and run quickly into flower, throwing up stout, stiff stems. The flowers run 3½ to 4 in. in diameter, are beautifully formed, full in shape, and possess a most marked old clove fragrance. The calyces are strong, and show little tendency to split. The variety scored 90 points for a preliminary certificate at the A. C. S. Convention at Pittsburgh last January. It is to be disseminated by Charles H. Totty of Madison, N. J. The flowers photographed, May 27, had stems 42 ins. long.

Carnation Wodenethe
To be disseminated by Chas. H. Totty

Aphine as an Insecticide

The Aphine Manufacturing Co. of Madison, N. J., has received a highly satisfactory report of tests of Aphine made at the Mass. Agricultural College at Amherst. James Whiting, foreman of the Department of Floriculture, in his report says: "I am satisfied that it will kill the insects that you claim it will and I believe it to be a valuable addition to the insecticides for greenhouse work. Used as a dip at the rate of 1 oz. Aphine to 13½ oz. water, it killed brown, white scale and the Belgium long scale in every test, and mealy bug in every test but one, and in that test a few of the older insects showed faint traces of life about five hours after dipping. Used as a spray, it killed brown, white and the Belgium long scale. About one hour after spraying, I syringed the plants thoroughly and the scale were easily removed and dead. Used as a dip at the rate of 1 oz. Aphine to 22¼ oz. water, it kills red spider and thrips. As a spray, it is very successful for spider, but it is difficult to reach thrip, although where it strikes it will kill. I had a very limited amount of thrip, so my tests were not as thorough as I could wish. I suppose it is needless for me to tell you it kills black, green and white fly at the rate of 1 oz. Aphine to 37½ oz. water; used as a dip and as a spray it is equally successful if care is used in spraying. In short, I can honestly recommend Aphine to kill green fly, black fly, white fly, brown scale, white scale, Belgium scale, red spider, thrip and mealy bug, if the directions are followed carefully and the spraying or dipping is done thoroughly; and as far as I can tell it does not injure the tenderest foliage."

Lexington, Ky.

Business conditions during the last four weeks have been good and all the plantsmen are very busy with bedding stock. On Memorial Day there was not enough stock to supply the demand. Good Geraniums, Cannas and Heliotropes, in 4-in. pots, all selling for $1, $1.50 and $2 per doz. Roses are good and plentiful, and sell for $1 to $1.50 per doz. retail. Carnations retail for 50c., 75c., and $1 per doz. Gladioli are coming in more plentifully now, and retail for $1 to $1.50 per doz. Sweet-Peas bring $1 per 100.

We have had an abundance of rain here this Spring, but the weather is becoming more favorable now.

The present indications are that there will not be enough bedding plants to supply the increasing demand here this Spring.

The boys of the establishment of the J. A. Keller estate on West 6th st. have been very busy with Spring stock this year, and they have about cleaned up everything in that line. Their young Carnation stock is looking well and they will plant about 20,000 plants this year. About 5000 'Mums will be planted in a few weeks. They grow about 20,000 Roses here and the most of them will be grown on the second year.

Hornaker the Florist, on North Jackson st., has finished planting his two Rose houses. The force is now busy planting Carnations.

S. S. Kelley, Clifton Heights, is doing a big business in plants this Spring.

Theo. Keller, who was formerly with J. A. Keller, on East 6th st., is now with the E. G. Hill Co., Richmond, Ind.

August Le Clere, the landscape gardener and florist at the Eastern Ky. Asylum, on Fourth st., has about finished planting the flower beds at that place. Mr. Le Clere is noted for his beautiful work and he always has the most artistic flower beds to be seen in this section.

LEXINGTONIAN.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

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Advertisers who have built up a business exciting the envy of all competitors, thinking their name and their goods an undying mark on the markets of the world, have stopped their advertising as an unnecessary expense, with the result that their sales have immediately commenced to droop. Others in the same line, finding their principal opponent out of the running—so far as publicity was concerned—were encouraged to redouble their advertising efforts, with the result that their success grew apace, quickened by the fact of their biggest competitor having dropped out of sight.

This truth is self-evident.

MORAL: Don't stop advertising unless you are ready to go out of business.

The American Rose Society

A New Sport of Killarney

The A. N. Pierson Co., Inc., of Cromwell, Conn., has filed with the American Rose Society notice of registration of a new sport of Killarney originating with the company in 1908. It is identical with the Killarney, excepting in color, which is much brighter, showing a strong tendency to red, some blooms having been as dark in color as the Richmond, and the average of the crop for the entire year of 1909 was only a shade lighter.

The question has been addressed to the secretary, whether the American Rose Society will have a June show, but up to this writing there have been no steps taken toward such an exhibition.

The Minnesota State Rose Society has applied for a bronze medal, to be offered at its Summer exhibition, for the best exhibit by an amateur. The definition which the Society gives of an amateur is: "One who grows the plants himself or herself, but does not regularly employ a gardener to grow them, and one who does not grow or sell plants as a business." Last year the American Rose Society offered its bronze medal, and it was awarded to Mrs. F. H. Gibbs, St. Paul, Minn.

Fishkill-on-Hudson, N. Y. BENJ. HAMMONN, Sec.

THE ADVTS. IN THE FLORISTS' EXCHANGE are ALWAYS read.

The circular generally goes into the waste basket WITHOUT BEING READ.

Hurrah for Great Little New Jersey!

With all due respect to its hundreds of leading growers of nearly every commercial plant, it would seem as though, through its wonderful success at the recent Boston Show, the State of New Jersey is entitled to be called the "Orchid State."

In addition to the many medals and subsidiary prizes won by exhibitors from that State, all three awards of the premier prize were captured by Jerseymen. The record is as follows:

First, Gold Medal and $1000:
JULIUS ROEHRS CO., RUTHERFORD, N. J.

Second, Silver Medal and $500:
C. G. ROEBLING, TRENTON, N. J.

Third, Bronze Medal and $250:
LAGER & HURRELL, SUMMIT, N. J.

The American Gladiolus Society

Another star has been added to the bright galaxy of American National Horticultural Societies.

The American Gladiolus Society was launched at Boston, our horticultural hub, on Friday, May 27, 1910, with 75 charter members at its christening. The credit for the inception and carrying out of this movement is due to the indefatigable efforts of Maurice Fuld of Boston, who also organized the New England Dahlia Society.

I. S. Hendrickson
First President American Gladiolus Society

As specializing is a tendency of the age and a necessity toward accomplishing results we warmly welcome every new similar organization into the field, knowing that it has interests to advance and conserve which can best be taken care of through the banding together of men devoted to a particular form of plant life.

A consummation sincerely to be hoped for, however, is that in the very near future, one strong Society, preferably the S. A. F., will become the trunk, the others the branches, so that through this union may be furnished strength and dignity to all the parts, thus giving to horticultural interests a solidity of purpose and the ability to accomplish results, which will prove of the highest value to all concerned.

We point out, as a possible way of effecting this union, the parallel of our Federal and State governments, each one sovereign in itself, yet all under one central authority.

We believe this can be accomplished.

The Am. Gladiolus Society is to be congratulated on the strong and representative body of officers it has selected for its first year's work.

The Boston Orchid Show

The big Boston show is past and is now a matter of history with success writ large across the page. Most of us were fearful that there would be difficulty in obtaining exhibits at this time of year, it being usually too late for the wealth of bloom obtainable a little earlier in the season but, as the results proved, there are plenty of means to obtain exhibits and exhibitors to such an extent that one wondered there were so many flowers available in two States of the Union, for it is a singular happening that, with the exception of a plant from Long Island and a few from Connecticut, all the Orchids were the product of Massachusetts and New Jersey and the latter did herself great credit in taking all three prizes in the premier class, as also the medals, besides other awards in other classes, as may be seen by reference to Mr. Cameron's report.

It was certainly the greatest aggregation of plants ever seen in the country, not alone in quantity, but the quality, too, never was equaled. There were all the species seen that are in season now, with a host of their albino varieties, also a superb set of the hybrid Odontoglots that we read so much of, but were never privileged to see before, and these were shown with huge branched spikes showing wonderful cultural skill. To the writer these were, by far, the most remarkable feature of the exhibition, placed on the trunk of a huge Dicksonia, seemingly growing in a perfectly natural pose.

Cattleyas, when shown in quantities, are apt to pall, but there were masses of one kind so disposed and blended with other Orchids and suitable green decorative material that the observer never tired of gazing; the grouping of colors in each and every exhibit showed a discretion rarely displayed even in Boston with its other efforts of the past to refer to.

The defects of the interior of the building for the purpose intended were never quite so plainly demonstrated, and all those exhibitors who had the bare brick walls to contend with had a huge task before any of their plants were placed in position. This, however, was overcome in various ways by individuals as they saw fit, and while it was impossible to put all on an equal footing, as regards location, the entries being too numerous, there was no cause for complaint along these lines. The Society and its officers, with unfailing courtesy and assistance, met all difficulties, and the whole was finished in good time so that the judges could complete their task before the opening hour, and for this the observer has reason to be thankful.

In the beginning many thought that the introduction of Azaleas in masses at this show would be out of keeping with the event, but these fine historic specimens proved a needed foil for the Orchids, for the two large groups in the center were white set in green grass sods and nothing could have been better conceived, the third group of other colors being placed so they did not clash, at the end of the building, with specimen Rhododendrons of colors to harmonize.

The collections of private ownership showed up as gracefully as was to be expected and the awards were well placed—indeed, it is creditable to the committee of judges, all, with one exception, being chosen for this occasion, that their difficult task was undertaken and completed with general satisfaction. Not one was interested commercially and none were exhibitors.

It is not proposed to mention particularly any special feature in detail, but to neglect noting the fine specimen of the pure white Cattleya gigas would be wrong; this plant was easily worth the trip to Boston to any one, and when we realize that these rarities usually make the trip across the Atlantic and are lost to collections here, and that this plant would certainly have been taken over to the great Temple Show any other time, we have reason to be thankful for a sight of this, said to be the rarest Orchid known. It is hoped that the name given it by the possessors may remain attached and that, in the event of a trip to Europe, its identity may not be lost as has happened times before with sterling novelties originating in cultivation here.

It was a pleasure to see Miltonias so well done; they are among the best for decorative purposes and, as seen in Boston from one grower in particular, cannot but compel admiration.

The splendid Cocos Weddeliana from a Belgian grower were a remarkable example of good culture, for we rarely see one plant as good as was each one of these.

The set of new Chinese introductions in hardy shrubs, trees and vines, was deservedly honored, and observers were gratified with a first view of well developed specimens and an opportunity to see their merits.

Three new Hydrangeas were seen in quantity, and, judging from the way they were shown, will be sterling novelties of the future for Memorial Day use.

Many old favorites, Canterbury Bells, Fuchsias, Calceolarias and hardy Roses, outdoor grown, from Philadelphia, all helped to fill the halls and add interest and variety.

In summing up, the Massachusetts Horticultural Society has set a pace for the future that will be hard to keep, even for itself. It was a demonstration of the interest there is taken in Orchids where horticulture is most appreciated, and events such as these serve to make us all familiar with rarities that we have known by name only, and it brings together those interested and this commingling of familiar spirits is of itself an inspiration.

In reviewing an event of this importance it would be wrong not to give praise to the exhibitors who planned months ahead, came long distances, brought the most valuable of plants, risked damage and loss, and put in an immense amount of hard work, all for the good of the cult. Let us hope they all carried home souvenirs of the event that will make it seem in after years to have been worth while. E. O. ORPET.

The Bechtel's Flowering Crab

Editor The Florists' Exchange:

I was very much pleased to see Mr. Meehan's note in the last issue of your journal in reference to Bechtel's flowering Crab for, in my judgment, this is one of the most valuable and attractive of the small trees flowering in early May. It has also the added virtue of being a native, well adapted to a wide range of territory, and possessing unusual hardiness. A few specimens on our

campus have been objects of universal admiration the past two weeks.

The flowering season begins at the close of the blossoming period of the Apple. It comes in at the end of the procession, as it were. It is not less attractive in bud than in full bloom. It is slow in opening its large buds wrapped in their pink covering, but when these have unfolded and developed the semi-double blossom, 2" to 3" in diameter, it has all the beauty of a prairie Rose if nature or art had transformed the stamens of the latter into petals. The perfume is not as pronounced as in some of the Japanese flowering Crabs, but is delicate and pleasant.

The tree is a compact, round-topped, slow grower. This is characteristic of the Prairie Crab, Pyrus Ioensis, of which it is a variation. The bark of the stem and older branches are strikingly similar to the rough flaky bark of the native Crab of the Mississippi Valley. For lawns and parks this is one of our most desirable ornamental trees of small stature. It can be grown in bush form as well as in standard form to excellent advantage. It forms a better union with the imported or native Apple stock than the dwarf Japanese varieties, but it is not improbable that, like these Japanese varieties, this should be worked on Paradise stock rather than upon the so-called French crab or the native American seedling. JOHN CRAIG.

Ithaca, N. Y.

Some Random Notes

Editor The Florists' Exchange:

Noting what Mr. Meehan recently had to say about the beauty of the Horse-Chestnut reminds me of a visit I made a short time ago to the Soldiers' Home at Hampton, Va. Walking through the beautiful grounds I saw at a distance a small tree covered with rosy pink flowers. I thought that it was a precocious-blooming Crape Myrtle, but could hardly realize that one of these could be in bloom in May. So I went to look at it and found it a pink flowering Horse-Chestnut. This variety must be scarce, for the only other one I have ever seen is a fine large one standing in a yard on Walnut st. near 42d st., West Philadelphia, Pa. I suppose that Mr. Meehan knows the variety, and perhaps this particular tree. It is certainly more attractive in bloom than the old form.

Only a block west of this, on 42d st., is the great Clark place, occupying an entire city block, where there is, every Summer, the finest show of Rhododendrons I have ever seen. Mr. Meehan should get a photo of these when in bloom.

Euonymus Japonicus, both plain and golden variegated, grows splendidly here, and makes a show of its red berries in the Fall. It is, however, very subject to scale insects and needs regular spraying to keep it clean. But it makes a far prettier hedge than the Privet now so common.

I have planted a hedge of the Amoor River Privet, which is far more evergreen than the California, has smaller and lighter green leaves, which it held all last Winter, and I suppose it must be hardy North. Some years ago I sent Mr. Meehan some plants of a Privet which we determined to be lucidum. It was as evergreen in North Carolina as a Holly, and I would like to know if the plants have lived well in Philadelphia. This variety and the Japonicum, which is perfectly evergreen in the U. S. Botanic Gardens at Washington, it seems to me, would be better for hedging than the California, wherever they are hardy. I hope that Mr. Meehan will enlighten us on this point.

I grew Figs, with success, in a cold locality in northern Maryland, when I was head gardener on the Hampton estate in Dulaney's Valley, north of Baltimore, where we had zero weather almost every Winter, and far colder than in Philadelphia. My practice there was to grow the bushes branched from the ground. In the Fall the limbs were bent to the ground in four bundles, like a four-pointed star, and pegged fast to the ground. The soil was then mounded over them so that, when covered, the mound was just like a four-pointed star. I had a number of plants that measured over twenty feet across when bent down. I had White Marseilles, Brunswick, Castle Kennedy, Osborne's Prolific, and all did well; no disturbance of the roots was ever made, and I seldom failed to ripen the early crop, from the nascent Figs that were on the shoots when buried.

Since then I have grown a great many varieties of Figs in North Carolina, and found that the old varieties I grew in Maryland were about as good as any, except some that are too tender to thrive north of the Orange belt. The hardiest Fig I have tried is the Celestial, a little brown Fig that can be eaten, skin and all, when ripe, from the tree. I think that I sent this to Mr. Meehan and hope he succeeded with it.

Cerasus Caroliniana, or Prunus as the moderns call it, is certainly a very pretty evergreen, and makes a good-sized tree in North Carolina, and now and then gets scorched by frost even there. It will make the prettiest of evergreen hedges, but does best near the sea. There is another Southern seaside plant which would make a beautiful hedge. It grows naturally right down on the sand dunes in North Carolina, and seems to like the ocean blasts. This is Ilex Cassine, which the modern revisionists tell us must be called Ilex vomitoria. It is called Yaupon on the Southern Coast, and is said to make the best substitute for Chinese tea that can be had, the leaves having the same alkaloid that true tea has. Perhaps Mr. Meehan knows something about the hardiness of this. It makes large clusters of red berries, much prettier than the common Holly.

I found in North Carolina two trees of the common Holly which make golden yellow berries instead of red. I sent samples to Prof. Sargent at the Arnold Arboretum, who said that as closely as he had studied the sylva of this country he had never before seen a golden-berried Holly. I never found but the two trees, and these in separate parts of the State.

The black-berried Ilex glabra is also evergreen, and is common here in lower Maryland. This would make a pretty dwarf hedge. But people want far-fetched things and neglect native plants. They laughed at me for planting Sweet Gum trees at the college in Raleigh, N. C., but now those trees are the admiration of every one, in the Fall.

Salisbury, Md. W. F. MASSEY.

A Red Rose of Mrs. John Laing Type

A correspondent was recently inquiring for a red Rose with the qualities of Mrs. John Laing. This is, perhaps, a big order, for Roses differ so much on various soils that it is only by experimenting that one can discover what will suit. For my own part, I could never make anything of Mrs. John Laing at one place. As Mrs. J. Laing apparently does well with your correspondent, it is possible that the new variety Symmetry, which is a seedling from Mrs. J. Laing, will prove good with him. Symmetry, although differing in habit and foliage, carries flowers very similar in form to its parent, the color being deep carmine crimson.

Another fine, strong growing H. P. is Commander Jules Gravereux. This is an erect grower, carries long pointed buds, which open fall and are of splendid form. It is a superb crimson, and well worth trying. Bob Davison is a fine, dazzling scarlet H. P., bearing large fragrant blooms. M. H. Walsh is a good fragrant crimson, especially for outdoor flowering in the Autumn. Lady Helen Stewart is a very free-blooming, bright crimson H. P. The gold-medaled Hugh Dickson is another recommendable variety, the color being extremely bright, while form and fragrance are all that can be desired. A very large full vermilion flower is that of Gloire de Chedane Guinoisseau, while growth is very vigorous. If these varieties are given a trial I feel sure that one or more of them will meet the desired requirements. The fine new Hybrid Teas should not be overlooked, however, for the advance in red shades during recent years is particularly noticeable. T. A. W., Eng.

An Exhibition Vase for Sweet Peas

A short time since the Tom Jones patent vase was referred to in the EXCHANGE. W. Atlee Burpee & Co. having used it at an exhibition. This new vase has now been improved upon by the genial Sweet Pea champion, for by making the top oval, instead of circular, the vase becomes especially valuable to traders, as it allows of the insertion of a wide spread bunch without having to back it with superfluous flowers. This new shape was used at a recent R. H. S. meeting by Miss Curry, the famous Daffodil specialist of Sligo, Ireland, and the advantage was apparent in a moment.

T. A. W., Eng.

Obituary

Joseph W. Hulsizer

Joseph W. Hulsizer, aged 60 years, for many years a resident of Iowa, died on May 23 at his home, 1609 Center st., Des Moines. The deceased had been engaged in the florist business in Des Moines for the past eight years. He moved to that city from Grinnell. He leaves a wife and one son, Clyde Hulsizer.

General View in the large hall — **The Boston Orchid Show** — Specimen Cattleyas

Prof. Sargent's Azaleas in center, the Lager & Hurrell and Julius Roehrs Co.'s group at sides

The Great Orchid Exhibition in Boston

Held from May 26 to May 30, 1910

The great Orchid exhibition which had been in preparation for the past two years by the Massachusetts Horticultural Society was opened to the public at 8 p.m., Thursday, May 26, and everything was in complete readiness at the appointed hour. The judges had completed their work and cards were on every exhibit so that the public were enabled to at once see who had won the coveted prizes.

We are not using inflated language when we state that never before on this continent was a more beautiful and valuable collection of Orchids and tropical foliage plants brought together at any one exhibition. We questioned many men who make it their business to see all large exhibitions in Europe and all said they had never seen a better anywhere. No pen picture can do justice to a description of the show, however well it may be written.

The Mass. Hort. Society, in all its years of endeavor, has never equalled this; that is, it never has held an exhibition which has gone so far beyond its expectations. One of its oldest and wealthiest members said to the writer that he never thought he would live to see such an exhibition of Orchids in this country, although he has a large and most valuable collection of his own.

Another way to look at the result achieved is in the great influence it will have on floriculture throughout the country. There is no doubt in my mind but that those who deal commercially in this class of plants will greatly benefit through this successful exhibition and we sincerely hope those men who brought such fine collections of valuable plants will greatly increase their business. We fully understand that they have gone to great expense in placing their collections before the public and firmly believe the results of this publicity will give new life and vigor to an already active commercial movement in these lovely plants. If these ends are accomplished the Mass. Hort. Society will have performed great work.

We also appreciate what the Society has done in giving money prizes and its gold and silver medals so liberally; its other expenses were very high. Nevertheless, this successful exhibition has given it new impetus, and we hope it will continue to encourage large exhibitions and to do things on a larger scale even than it has in the past.

New Jersey was very largely represented and, in fact, the large commercial firms from that State practically made the exhibition; our Society is very grateful to them.

We were much disappointed that private gardeners did not make a better showing for the Orchid prizes so liberally offered.

We are gratified that the public attended and appreciated this great Show; we had men and women from all over this continent, and many Europeans and even West Indians visited it.

We described, in last week's issue, the general layout of the exhibition and there were few alterations.

The main exhibition hall never looked better than at this time. At the opening show, when the building was new, there was a good exhibition in this hall but the arrangement was poor and the colors of the plants were badly grouped together. It was not so at this, as great care was taken that colors would harmonize.

Entering the large main hall, from the steps the first large group of Orchids to catch the eye on the right was that of Lager & Hurrell of Summit, N. J. This group was intended to give a tropical effect and to show how the plants grow in their native habitats; it imitated a waterfall, by using Tillandsia usneoides to imitate running water. The group, as a whole, was quite artistic, although in parts it was not carried out quite as well as it might have been. The high background was objectionable because the firm used too many Northern Pine branches and Junipers, whereas they should have employed tropical foliage. The ends of the alcove were pleasingly done and the tree hung with Phalænopsis was quite artistic; the graceful Oncidiums suspended from the other trees added much to the effectiveness of the group. The firm finished their group to the floor, which was well done and looked very much as I have seen them in the West Indies and in South America.

Commencing at the floor it showed a bank covered with mosses, Ferns, and grasses. The arrangement, taken altogether, was quite good, and we think should have scored very high for arrangement and decorative or artistic effect. They lost some points on novelty of Orchids, but they had quite a large variety. They were awarded third prize (Bronze Medal and $250.). Mr. Hurrell said they had 30 genera and about 200 varieties. Some of the choice pieces in their group were very fine forms of C. gigas, Cattleya Mendelii, var. virginalis, Cœlogyne Dayana, good forms of Oncidium crispum, Vanda Denisoniana, Miltonia Bleuana, Phalænopsis amabilis, and the rare C. gigas alba; Cypripedium bellatulum, Miltonia flavescens, Maxillaria Sanderiana and fine specimens of Dendrobium thyrsifolium.

In the next alcove we come to the Julius Roehrs Co.'s group of Orchids which was the most effective thing in the hall with its enormous quantities of Orchids. This firm had their arrangement all figured out before they came to the hall and went to work at once just the same as if they had set up the group a score of times before. The great quantities of fine plants and rare and new varieties was most pleasing and, to my mind, from the beginning there was no doubt where the prize of honor would be placed. The centerpiece was a splendid

The Boston Orchid Show

The Julius Roehrs Co.'s Group Which Won First Prize of $1000 and Gold Medal.

Robert Cameron's Group of Stove and Greenhouse Plants from Harvard Botanic Garden—Awarded a Gold Medal

The Roebling Group—Awarded $500 and a Silver Medal in the Premier Competition

The Boston Orchid Show

Cocos Weddeliana at Boston Show

From Le Lion, Ghent, Belgium.

specimen of Dicksonia antarctica, its stem clothed with splendidly flowered Odontoglossums which looked as natural as if they grew in their native wilds. On both sides of this centerpiece were quantities of Cattleyas, Dendrobiums, Miltonias, Cypripediums, Oncidiums, and scores of other most beautiful plants.

The arrangement in the front began with a table and did not come down to the floor like the Lager & Hurrell group; it was then massed up to the corners of the alcove. The entire conception was quite pleasing but we would have liked it better had it been finished down to the floor. Some of the choice plants in this wonderful collection were Cattleya Skinneri alba, C. Mendelii, C. Gravesiana, C. Dusseldorfii Undine, a white hybrid between C. intermedia alba and C. Mossiæ Wagneri; Cypripedium caudatum with six flowers and tails 24 ins. long; Miltonia Bleuana, Angræcum sesquipedale, C. Curtisii, D. Wardianum, D. Dearei, D. regium, D. nobile album, and a number of very valuable Brasso-Cattleya and Lælio-Cattleya hybrids; Trichopilia Hennessi, Phalænopsis and many other rarities. In all they had about 26 genera and 150 varieties. Awarded First Prize, $1000 and the Society's Gold Medal.

Following the winding path we come to the next alcove with the Julius Roehrs Co.'s group of stove and greenhouse plants; this was nicely arranged and contained a number of small, well grown stove plants. On the whole this group was rather disappointing. We had expected to see larger plants and better specimens for the fine award obtained. This group won the first prize. It did not contain any new or rare plants.

At the end of the hall was the splendid group of Cocos Weddeliana from Le Lion of Ghent, Belgium; each plant was a specimen and there were 250 of them.

Rhododendrons from Gen. Weld flanked each side of this group. Fine specimen Azaleas were placed among the Cocos to give them a touch of brilliancy; these came from Dr. G. C. Weld.

On the left side of the hall we came to the group of W. A. Manda of So. Orange, N. J., which showed more originality in its arrangement than any other group in the building. His Orchids were gracefully suspended from tree Ferns and so placed that they were reflected in mirrors which had been ingeniously placed to imitate pools of water. This was certainly a very unique group and many people liked it better than any group in the building.

Following the path to the left we came to the Harvard Botanic Group of stove and greenhouse plants, not entered in competition. It contained large specimen Kentias, Anthuriums crystallinum, Phyllotænium Lindeni, Marantas and beautifully colored Dracænas, Pitcher plants and many other rare and valuable sorts. A gold medal was awarded Robert Cameron for artistic arrangement of the group and superior cultivation of tropical stove plants. In the small hall on the left was the group of Edward MacMulkin, which won second prize in its class for stove and greenhouse plants. The arrangement was very clever and he had some nice Anthuriums, Cattleyas, Dracænas, two fine plants of Stephanotis and a fine one of Cattleya Mossiæ alba.

Near to this was the group of W. A. Riggs, which was awarded a special prize.

W. W. Rawson & Co. had a display in this room of Darwin and Rembrandt Tulips which attracted much attention.

In the lecture hall the most important group was that of G. C. Roebling of Trenton, N. J. It occupied the center of the hall and the arrangement was not pleasing. It contained many good plants and some good varieties but when judging it should have been scored very low for arrangement and general effect. It measured 29 ft. in length and 13 ft. in breadth. It was given second prize in class No. 1. (Silver Medal and $500).

Flanked on each side of this group were the private gardeners' collections. On the right was E. B. Dane's first prize group; Walter Hunnewell's group took second prize. Mr. Hunnewell had the best grown plants, but Mr. Dane won out on variety and novelty. The arrangement of these groups was poor and showed no originality in either of them; they were both too flat.

At the west end of the hall Joseph A. Manda of New Jersey easily won the prize for cut Orchids and foliage arranged artistically. W. A. Manda came in second in this class.

Mrs. John L. Gardner had a small group of Orchids and so had John T. Butterworth of Framingham, both of whom received special prizes.

At the farther end of the hall was a group of new Chinese plants from R. & J. Farquhar & Co., which contained many interesting subjects; they received a gold medal.

Thomas Roland had a fine exhibit of new Japanese Hydrangeas in nine varieties. This exhibit was of special interest to the trade as it contained some commercial possibilities. Awarded the prize for greenhouse plant not previously exhibited in the U. S. Mr. Roland received a gold medal for this fine collection.

T. D. Hatfield exhibited a nice group of Fuchsias. The Mt. Desert Nurseries of Bar Harbor exhibited their new Fern (Nephrolepis Milleri). It was very highly spoken of and received a first-class certificate.

Harry Turner of Castle Gould, N. Y., set forth some large Malmaison Carnations, but their colors were not pleasing.

William Sim had Sweet Peas, as had Norris Comley. M. A. Patten & Co. staged two vases of fine Carnations. Weld Garden had some superb plants of Canterbury Bells.

The best newly introduced Orchid plant, not previously exhibited in the United States, was won by Lager & Hurrell with Cattleya gigas alba. The best new seedling Orchid prize was won by Julius Roehrs Co. with Cattleya Dusseldorfii var. Undine.

W. A. Manda won the prize for the collection of cut Orchids of new varieties not before exhibited in the United States.

The best new coniferous plant, not previously disseminated, likely to be hardy in the U. S., was won by W. A. Manda with a Juniper from the snowclad mountains of Africa.

The prize for six Orchid plants, distinct genera, was won by Julius Roehrs Co. with Dendrobium nobile virginale, Phalænopsis Remstadiana, Cypripedium Curtisii, Odontoglossum Pescatorei, Miltonia vexillaria and Cattleya Mossiæ.

W. A. Manda won first prize for three Orchid plants, distinct genera, with Cattleya Mossiæ, Odontoglossum citrosmum and Dendrobium Findleyana. John T. Butterworth was second in this class with good plants of Cattleya Mossiæ, Lælia purpurata and Miltonia vexillaria.

The prize for three Cattleyas, distinct species, was won by W. A. Manda with C. Gaskelliana, C. gigas and C. Mossiæ.

J. T. Butterworth won first and second prize for specimen Cattleya, any species, with C. Mossiæ Reineckiana and C. Mossiæ Mrs. J. T. Butterworth.

Weld Garden, Brookline, received first award for specimen Cymbidium with C. Lowianum; W. A. Manda secured second with the same species.

The prize for specimen Cypripedium went to Dr. W. C. Weld, Brookline, for a plant of C. Lawrenceanum.

Weld Garden won for the best specimen Dendrobium with D. chrysotoxum; second went to Julius Roehrs Co.

Walter Hunnewell won first prize for six Miltonias

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Part of Lager & Hurrell's Group Which Won Third Prize in the Premier Competition

The Boston Orchid Show

Cattleya gigas alba, for which a Gold Medal was awarded to Lager & Hurrell as the best recently introduced plant not previously exhibited in the U. S.

with fine plants of M. vexillaria; second prize went to J. T. Butterworth for plants of the same species.

J. T. Butterworth won for the best Miltonia with a fine plant of M. vexillaria.

For six Odontoglossums, not less than three species, Julius Roehrs Co. took the award with two plants each of O. Pescatorei, O. crispum and O. Andersonianum.

The prize for specimen Odontoglossum was won by Walter Hunnewell; second by J. T. Butterworth.

Mrs. B. B. Tuttle won first prize for specimen Oncidium with a large plant of Oncidium sphacelatum; second to Julius Roehrs Co.

Howard Gould won the prize for specimen Vanda with V. cœrulea.

Col. Chas. Pfaff received the prize for Orchid, any genus not otherwise provided for, with Brassia verrucosa.

A very fine plant of Cattleya Mossiæ won for Julius Roehrs Co. the award for the best specimen Orchid plant in the exhibition. R. C.

The Awards

Display of Orchid plants in bloom, arranged for effect, embracing at least 20 genera: 1, Julius Roehrs Co.; 2, C. G. Roebling; 3, Lager & Hurrell.

Display of Orchid plants in bloom, arranged for effect, embracing at least 10 genera: 1, E. B. Dane; 2, Walter Hunnewell.

Best recently introduced Orchid plant not previously exhibited in the United States: Lager & Hurrell, white Cattleya gigas.

Best new seedling Orchid plant not previously exhibited in the United States: Julius Roehrs Co., Cattleya Dusseldorfii.

Largest and best display of cut Orchid blooms arranged with Ferns or other foliage: 1, Joseph Manda; 2, W. A. Manda.

Best collection of cut Orchids of new varieties not before exhibited in the United States: W. A. Manda.

Group of flowering and foliage stove or greenhouse plants arranged for effect: 1, Julius Roehrs Co.; 2, Edward MacMulkin.

Best species of stove or greenhouse plant in bloom, not previously exhibited in the United States: Thomas Roland.

Best species of coniferous plant, not yet disseminated, likely to be hardy in Massachusetts: W. A. Manda, Juniperus species.

Six Orchid plants, distinct genera: 1, Julius Roehrs Co.; 2, Mrs. B. B. Tuttle (M. J. Pope, gdr.) Three Orchid plants, distinct genera: 1, W. A. Manda; 2, J. T. Butterworth. Three Cattleyas, distinct species: 1, W. A. Manda. Specimen Cattleya, any species: 1, J. T. Butterworth, C. Mossiæ Reineckiana; 2, the same for C. Mossiæ Mrs. Butterworth. Specimen Cymbidium: 1, Weld Garden; 2, W. A. Manda. Three Cypripediums, distinct species: 1, Julius Roehrs Co. Specimen Cypripedium: 1, Dr. C. G. Weld. Specimen Dendrobium: 1, Weld Garden; 2, Julius Roehrs Co.

Six Miltonias: 1, Walter Hunnewell; 2, J. T. Butterworkth. Specimen Miltonia: 1, J. T. Butterworth; 2, Walter Hunnewell. Six Odontoglossums, not less than three species: 1, Julius Roehrs Co. Specimen Odontoglossum: 1, Walter Hunnewell; 2, J. T. Butterworth. Specimen Oncidium: 1, Mrs. B. B. Tuttle; 2, Julius Roehrs Co. Specimen Vanda: 1, Howard Gould. Specimen Orchid, any genus not otherwise provided for in the schedule: 1, Col. Charles Pfaff; 2, Mrs. B. B. Tuttle. Best specimen Orchid plant in the exhibition: Julius Roehrs Co., Cattleya Mossiæ.

Gold Medals: Julius Roehrs Co., group of Brasso-Cattleya; Robert Cameron, group of stove and greenhouse plants; Prof. C. S. Sargent, collection of Azaleas; R. & J. Farquhar & Co., group of shrubs and climbers from Japan: Thomas Roland, new Japanese Hydrangeas.

Silver Medals: J. T. Butterworth, group of Orchids; S. M. Weld, specimen Rhododendron; Walter Hunnewell, specimen Rhododendron; Establishment horticole Le Lion, Ghent, Belgium, collection of Cocos Weddeliana; T. D. Hatfield, superior cultivation of Fuchsias; Duncan Finlayson, group of Canterbury Bells and other plants; Thomas Roland, collection of Hydrangeas; Charles Sanders, collection of new single Tree Peonies; William Sim, collection of Sweet Peas; Henry A. Dreer, collection of Hybrid Tea Roses.

Bronze Medals: Mrs. J. L. Gardner, group of Orchids; N. F. Comley, collection of Sweet Peas.

First Class Certificate of Merit: R. & J. Farquhar & Co., Begonia Pink Beauty; Waban Rose Conservatories, White Killarney Rose; Mount Desert Nurseries, Nephrolepis Milleri; G. L. Freeman, potting materials.

Honorable Mention: G. L. Freeman, collection of Orchids: W. W. Rawson & Co., collection of Tulips; R. & J. Farquhar & Co., Pelargonium Ostergruss, Geranium Mrs. Charles Pfaff, and seedling Iris; Julius Roehrs Co., Croton Fred Sander; Howard Gould, Malmaison Carnations; Thos. Meehan & Sons, collection of Japanese Maples, Peonies and Golden Privet; John Lewis Childs, exhibit of Gladioli.

Sterilization of Soil

The sterilization treatment described by James Hamilton, in a recent issue of the EXCHANGE is similar to that adopted by some growers on this side. On the other hand one or two growers sterilize by direct heat—fire beneath the soil—and this method is attended with some success.

That sterilization is becoming essential is not to be denied, especially in places where soil has to be used over and over again.

A peculiar feature of sterilizing is the vigor with which plants grow in treated soil, this rankness not always being desirable. Curiously enough, the new chemical soil sterilizers, also bring about an increase in plant vigor, and it is generally believed that this vigor is due to the fact that the minute pests are exterminated, and not because the soil is changed in any particular character.

An advantage that heat or steam has is explained by Mr. Hamilton, when he states that no weeds appear. Chemical sterilizers do not kill weed seed, for were this possible no plants could possibly thrive.

The cost of a steam sterilizing plant to ensure success and freedom from danger, and also its working, is perhaps beyond the small man, and the chemical sterilizer, therefore, may prove advantageous. To ensure thorough action, the chemical sterilizer must have time, and all soil should be treated several months ahead. Not all chemicals are considered to be fungicides, however; only a few, and one liquid in particular, are claimed to destroy disease germs in the soil. The fluid treatment costs, so the maker states, about 16 cents per ton of soil. This fluid I am using for destroying soil pests out of doors, but I am also having it tried under glass.

T. A. W., Eng.

Part of W. A. Manda's Group

Prettiest Part of the Julius Roehrs Co. Group

The Boston Orchid Show

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper.]

Article III—Concluded

Large vs. Small Houses

Fig. 26 shows the section of two 18 ft. ridge and furrow houses, and one single span house 36 ft. wide, with table of comparative proportions per lin. ft. between the two styles of construction.

The two 18 ft. ridge and furrow houses are shown with the eaves and gutters 5 ft. high, which is the style employed for the construction of such houses, very largely, in the past. It will be noticed that the cubical contents of these two houses is only 274 ft. per lin. ft. of house. The glass surface from sill to sill being 46 ft. 9 in. gives a proportion of about 5¾ cu. ft. to one sq. ft. of glass. This, as will be seen by comparison with the previous tables, is a very low proportion, and it would not be possible to maintain 60° when the outside atmosphere is at zero with less than 18 lines of 1¼-in. pipe. It will also be noticed that the distance of the ventilators above the beds is only 6 ft. 3 ins.

If this style of house was of wood construction it would need center columns with side struts to support the roof; and this, together with the low height of the gutter and eaves, would not make a very light or desirable growing house, that is, when compared with the advanced condition of greenhouse construction work at the present time.

If the eaves and gutters of this house were raised to 12 ft. high, the same as the ridge and furrow house in Fig. 25, the proportions would be as follows:

Height of ridge .....17 ft. 3 in.
Height of vents above beds.....13 ft.
Total exposed surface measuring from sill to sill .....60 ft. 9 in.
Cubical contents .....526 ft.
Proportion cubical contents to glass surface 8 2-3
Distance required between houses to clear shadow .....23 ft.
Number of lines of 1¼-in. pipe required to heat to 60° 21
Area of beds, sq. ft. 27

It will, therefore, be seen that even the additional height of the gutters does not bring this style of house up to what would be considered a large house, when compared with the 48 ft. house in Fig. 23, as the proportion of cubical contents to glass surface would be considerably less; and it will also be noticed that for the size of the house and the bench area the glass surface would be large, thus necessarily increasing the heating surface. Consequently, we see that the proportions of this 36 ft. wide house, with two ridge and furrow roofs, do not compare at all, favorably, even with the 58 ft. house with four short span roofs, with the gutters and eaves placed at the same height. The reason for this is that the house not being as wide, the side glass is increased in proportion to the cubical contents.

If this same ground was covered with a single span roof, as shown in section, the height of the ventilators above the beds would be 13 ft., and while the cubical contents is less than if the eaves of the house were 12 ft. high, being only 432 cu. ft., the proportion of cubical contents to glass surface is almost the same, being 8⅔ cu. ft. to the one sq. ft. of glass. This is due to the fact that the total surface from sill to sill is only 50 ft. 3 in., but, in comparison with the two 18 ft. ridge and furrow roofs, with the gutters and eaves at 5 ft. high, the cubical contents in proportion to glass is considerably more, therefore, if a 36 ft. wide house is desired, it is very clear from these figures that a single roof house is the best proportioned.

If it is desired to build another house alongside of this house, at sufficient distance away to clear the 25° shadow line, there would be less waste with 5 ft. eaves, ridge and furrow house; but the advantage gained in light and ease of heating, etc., in the single span house would more than counterbalance the additional loss of space.

It was stated, previously, that at the present stage of greenhouse construction any house 35 ft., or less, in width should be classed among small houses, and the reply of to-day to the question "What is a large house?" is that it is a single span house which will cover two 18 ft. wide, or wider houses; and it is believed that the tables of comparison given above prove the correctness of this statement, as the 36 ft. wide single span house proportions are such that, in comparison with the 48 ft. house, that house is barely entitled to the designation of a large house; and if the width of the house was made any less, it is very clear that it would cease to be within the limits of what is to-day considered a large house. Therefore, it is very evident that, on the basis of these figures, for the most economical results it would not be wise to erect a house less than this width. Of course, this is purely from a structural standpoint, but each grower will have to decide for himself in reference to the requirements of the particular crop he desires to grow.

There might be instances where the crop is such that, from a growing standpoint, a smaller house would be desirable, but this point the grower himself would have to determine.

To sum up the question of the proportions of the larger houses the following table is compiled:

TABLE OF PROPORTIONS OF WIDE HOUSES 36 FT. TO 58 FT.

	No. 1 Height of Ridge	No. 2 Vents Above Beds	No. 3 Surface Sill to Sill	No. 4 Cubical Contents	No. 5 Proportion Contents to Glass	No. 6 Distance Between Houses	No. 7 Lines 1¼" Pipe	No. 8 Square Feet Beds	No. 9 Contents to Sq. Ft. Beds	No. 10 Lines Pipe to Be I
36' Single Span, Fig. 26	17'-3"	13'-0"	50'-3"	432'	8⅝ to 1	14'-0"	18	27	16 to 1	666 to 1
48' " " Fig. 23	20'-9"	16'⅚6"	64'-0"	660'	10⅓ to 1	15'-6"	22	34	19 1/10 to 1	644 to 1
55'-3" " " Fig. 24	22'-9"	18'-6"	72'-9"	814'	11 to 1	16'-0"	25	40	20 7/10 to 1	.635 to 1
58' " " Fig. 25	23'-8"	19'-3"	75'-9"	882'	11⅔ to 1	16'-6"	27	42½	20¾ to 1	635 to 1
58' Short Span Fig. 25	16'-3"	12'-3½"	86'-3"	819'	9½ to 1	22'-3"	30	42½	19 2/5 to 1	.76 to 1

Columns 1 to 8 are taken from the various comparative tables given with the sections, and columns 9 and 10 are added.

Column 9 shows the cubical contents of each style of house to one sq. ft. of bed for each of the wide houses.

It will be seen from these tables that the proportions are all in favor of the 58 ft. single span house; also that this house contains the greatest amount of cubical contents in proportion to each sq. ft. of bed and the least amount of heating pipe per sq. ft. of bed to maintain the required temperature—two main factors.

Having now considered all of the preliminary problems in connection with the construction of a greenhouse, and assuming that the grower has reached a decision as to the general lay-out of his proposed plant, and also the style and size of the houses, we will next take up the matter of Material and Construction.

Comparative proportions per lin. ft. of two 18' ridge & furrow houses and one 36' house.

	Two 18' Ridge & Furrow Houses		One 36 house with 6'-9" eaves
Height of Ridge	10'-3"		17'-3"
" Vents above bed	6'-3"		13'-0"
Total exposed surface measuring from sill to sill	46'-9"		50'-3"
Cubical contents.	274'		432'
Proportion cubical contents to glass surface	5¾ to 1		8⅔ to 1
Distance required between houses to clear shadow.	7'-9"		14'-0"
Number lines 1¼ steam pipe required to heat to 60° at 0°	18		18
Area of beds Sq. ft.	27		27

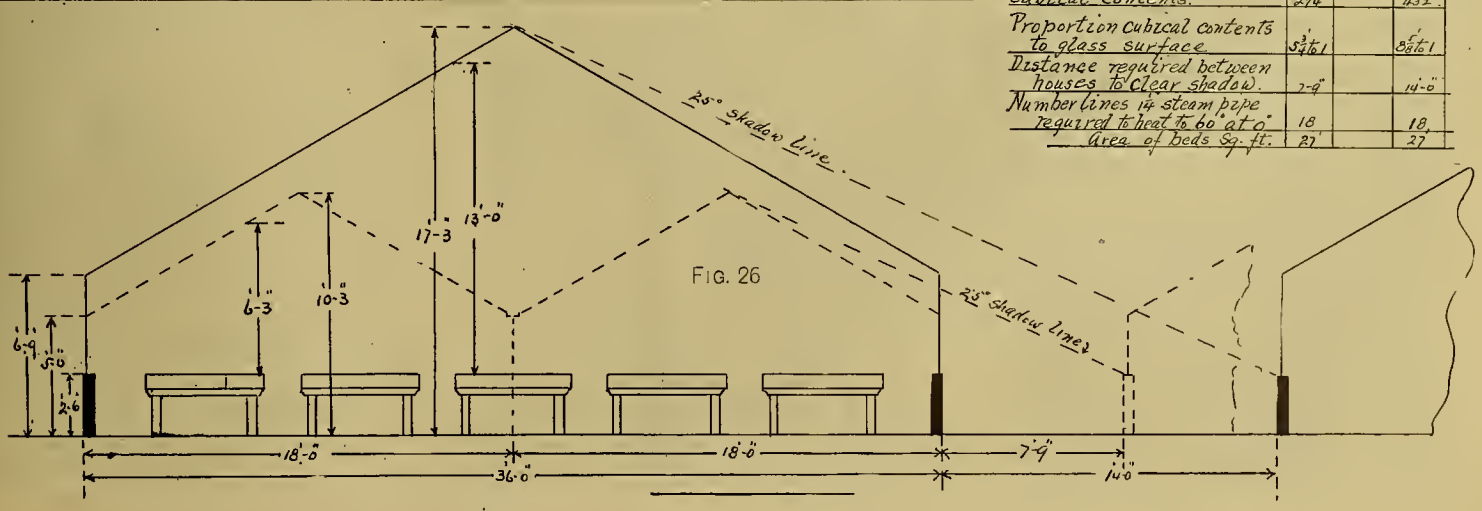


FIG. 26

GREENHOUSE CONSTRUCTION and HEATING

INQUIRY DEPARTMENT

How much space should be left between even span houses when each house will be 26 ft. or 27 ft. wide, and 12 ft. or 14 ft. to the ridge? The houses will run north and south, with a potting shed connecting all on the north. Space is limited.—C. L., S. Dak.

—We presume you have reference to the space between each house, so as to clear the shadow line at noon on Dec. 21. In this case it will not be necessary to allow any space between the houses for the purpose, therefore the space which you allow can be regulated to suit whatever you think is necessary to give proper ventilation and for convenience. Of course, when the sun is at the southeast or southwest, that is, in the middle forenoon or the middle of the afternoon at this date, there would be considerable shadow cast by the east and west house, but to avoid this would mean a considerable waste of space. We should say that a space of from 6 ft. to 8 ft. between the houses would be thoroughly ample for all requirements.

Ivy Geraniums

Ivy Geraniums may be reckoned as being the finest basket plants for Summer use, and it is worth recording that we are gradually adding to the list of varieties. Numberless sorts introduced in the past have failed to "catch on," chiefly because of their shyness, and so we have become accustomed to look upon Mme. Crousse and Souv. Chas. Turner as the best sorts for market purposes.

Mme. Crousse has, however, a serious rival in Countess Grey; indeed the latter is rapidly being taken up by market growers, a sure sign that it is making good.

In the deeper shades we have hitherto looked in vain for a variety as free as Mme. Crousse, but now we have it in Scarlet Crousse, which is a replica of the old pink sort, except in color, which is a brilliant cerise scarlet.

Phillip Ladds, the big grower at Swanley, has worked up an enormous stock of it, and is offering it at six shillings per dozen. Over here it retails easily at twice that price.

T. A. W., Eng.

The Gladiolus as We Knew and Grew It Fifty Years Ago

A paper prepared by H. Youell of Syracuse, N. Y., and read at the organization meeting of the American Gladiolus Society, Boston, Friday, May 27, 1910

When Mr. Maurice Fuld very kindly asked me to contribute a paper for the initial meeting of the Gladiolus Society, I gladly consented, as I feel greatly interested in the success of the Society. This arises from the fact that fifty years ago my father was the largest grower of Gladioli in England and I am proud of the fact that Brenchleyensis was disseminated by him.

It may be interesting to many if I recall, as they occurred, some of the facts relating to the early history of the Gandavensis varieties fifty years ago. It is generally known that the Gladiolus family is indigenous to Africa, and I know positively that Gandavensis originated there, being found by a French sailor and taken by him to Paris. It is to Frenchmen we are indebted for the great progress made fifty years ago, for they laid the foundation, so to speak, that we have built upon and made possible the grand flowers we have today.

It may not be generally known that Napoleon III was passionately fond of rare plants and flowers and it is owing to his interest and enthusiasm that France today holds her position in the floral world. So eager was the Emperor to add to his collection of rare plants that he offered large bounties to his soldiers, sailors and fishermen, or to travelers, who would bring him any good novelties from foreign countries. So it came about that Gandavensis was taken to Paris and placed in the hands of M. Souchet, the head gardener of the Emperor, and through his industry and ability came the beautiful varieties.

I take it there are not many who can recall the old Gandavensis with its broad, yellow, poorly shaped flowers with a crimson edge, but what a beautiful and wonderful flower it was considered when first sent out, for the Colvillei varieties were the only ones previously grown and were called "Jacob's Ladder" in my childhood days.

Bowensis was the next one to make its appearance. This was a dirty brick red, but was a good shaped flower with large spikes. Fanny Rouget followed; this was a very pleasing pink, but only a medium-sized flower. It was about 1855 or 1856 that these made their appearance and in 1857 the English people heard of the wonderful flowers to be seen in the Royal French gardens. In August of that year, Queen Victoria with the Prince Consort and a very large retinue paid a visit to Napoleon. At that time the gardens were a blaze of glory with their many colored flowers and the Queen and all her court were completely carried away with the sight and returned to England with wonderful stories of what they had seen. The Queen was so delighted and enchanted that the Emperor ordered M. Souchet to send her a large supply of bulbs and, so generously was the order obeyed, that the head gardener at Osborne could not find room for all, and rather than throw them away he gave the surplus stock to my father, who was a personal friend. This was the nucleus of what eventually became the largest collection in England fifty years ago.

Soon after the Queen's visit to France came what was considered the wonder of the age in the floral world, for M. Souchet, through Victor Verdier and Messrs. Vilmorin, sent out quite a number of very beautiful varieties, some of which I believe are still grown in England. The names of a few I recall are John Bull, Victor Verdier, Napoleon III, Queen Victoria, Calypso, Duc de Malakoff, Dr. Andry, Ceres, Endymion and La Reine.

I may be excused for feeling proud of the fact that my father disseminated, the following year, that grand old Brenchleyensis, still the acknowledged leader of its class. Its origin is a mystery. How it came into my father's possession is as follows: Some years previously he had in his employ W. Casey, foreman of the hard wooded department and, traveling occasionally (he was later connected with Hugh Low & Co.), on one of his journeys through Kent he visited a small place called Brenchley. In a cottager's garden he noticed several flowers of this variety and, after a great deal of persuasion and what must have been a large sum to the owner (£25) he secured the stock. All the information he could gather as to its origin was that a son, who was a sailor, had brought the bulbs home from some foreign country—Africa, it was believed at the time. How popular Brenchleyensis became is best attested by the fact that from 1860 to 1864 our sales averaged 300,000 bulbs yearly.

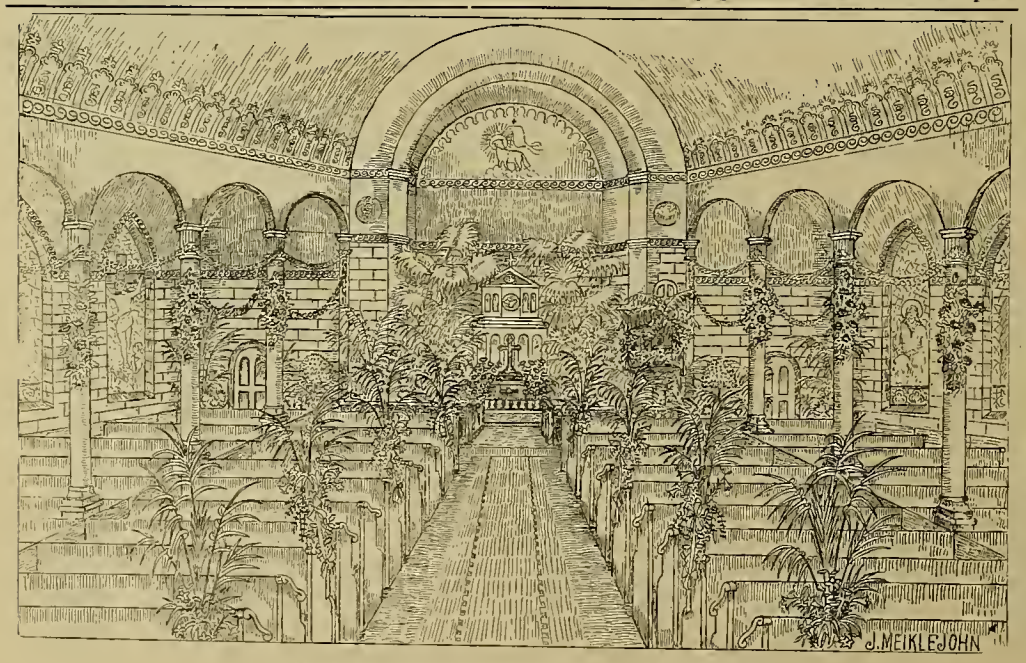
Our nurseries were situated at Great Yarmouth (made famous by Charles Dickens in David Copperfield) and less than two thousand years ago the North Sea flowed where the town now stands, so of course the soil was very sandy and to that fact I attribute our success in cultivating the bulbs. The only things used to enrich the soil were brewers' rotten hops, and disease was a thing unknown to us.

I have always been and am still a very strong advocate of printers' ink and flower shows, both for educational and commercial purposes, and believe my past experience justifies me, as I shall show. Prior to 1860 we had sent large quantities of Gladiolus blooms to the Crystal Palace for decorative purposes, free, and were assured that they were much finer than any exhibited for prizes. After much persuasion, my father consented to compete and had several large beds prepared and planted with the choicest kinds, to be raised for exhibition. The amount of the prizes was very small: for the best collection, $12; best 24 spikes, $5; best 12 spikes, $2.50; not much of an inducement for three men to travel one hundred and forty miles, pay excess luggage and hotel bills, for three days, and compete against such men as Standish, Turner, Paul Cutbush and others. We went and conquered, not only the prizes, but all the London papers from the Times down; they gave us columns of the best possible advertising, and that was not all, for the two foremen and myself booked orders the first day for more than £300, besides distributing 5000 catalogs in the two days. Did it pay?

The method in vogue at that time for staging the flowers was to have green-painted boards, 3 ft. 6 in. long by 2 ft. 6 in. wide; each board had 24 holes fitted with tin tubes to hold the water. Our boards sloped on an angle of 45 degrees which showed off the back row. We showed three spikes of each variety together with a little foliage mixed in. Some exhibitors used garden Asparagus, others Fern fronds, but I must say the effect of using the Gladiolus foliage was by far the neatest and most appropriate. The London Times, speaking of our exhibit, said: "The flowers showed the highest cultivation and their staging was a finished and artistic piece of work and a revelation." Certain it is that our flowers were better colored and had far more substance than those grown round London or even in France, which I attribute to the salt air and our sandy soil.

Before concluding this paper I trust I shall be pardoned if I make a few statements relative to that beautiful old flower, the Fuchsia. There are very few today who can recall the old style, the flowers of which were very small, the tube not larger round than a lead pencil. It was in 1838 that my father sent out the first one of the present type and he named it Youelli. On introducing myself, some years ago, to the late W. Harris, for a long time in charge of H. H. Hunnewell's estate at Wellesley, Mass., he recalled the fact that the first Fuchsia sent out, as we know it today, was known as Youelli. In 1856 we sent out the first striped one, Lord Clive, and in 1858 the first double one, Sir Colin Campbell.

I might go on indefinitely with recollections of the business in my early days, but do not wish to exhaust your patience and, in closing, beg to thank you for the privilege of addressing you on this subject.



The Decoration of a Church for a June Wedding

The Newer Commercial Roses

White Killarney is now getting into something like form, and Geo. Mount & Sons staged a fine box of bloom on May 3. Compared with Frau Karl Druschki, however, White Killarney is not as pure, the latter appearing quite creamy. Some of our growers do not think White Killarney will be a "top notcher" over here, because of its tendency to mildew. For the same reason Pink Killarney is not grown for market purposes, most growers relying on Bridesmaid and Mrs. John Laing. Caroline Testout is also popular.

Respecting the curious variation of views between English and American growers, it might be interesting to mention that Mrs. Aaron Ward, which is winning such favor in America, is very little grown by Rose forcers here, and I have seen no blooms of it in the market. Mr. Mount Jr., says that Mrs. A. Ward, cannot hold a candle to Lady Hillingdon, for the former loses color rapidly, and he is confident that if Mrs. Ward is winning in America Lady Hillingdon is bound to prove popular there also. T. A. W., Eng.

Church Wedding in June

A suggestion for a wedding decoration of a church in June, at comparatively moderate cost, should be seasonable. June being, usually, a very warm month, it might be advisable to aim for as much Palm effect as possible. As green Oak foliage has a tendency to wilt very quickly with the heat, I would advise using as little of it as possible; and whatever you do use place it as high from the floor in the decorative scheme, as possible. Southern Smilax would be much better to use, but it is hard to procure at this season. In the cut flower decorations Easter Lilies should be used wherever possible, as they will stand the heat much better than most flowers.

The accompanying sketch applies to a medium sized church; and as most churches are similar in style of architecture, inside, the design would fit the average church.

First, take up the cushions in front of the altar rail gates and spread dust cloths over the carpet, to prevent the grinding in of dirt, leaves, etc., while working. Then place two tall stumps, each about 11 ft. high, on each side of the altar. In case stumps of this height are not obtainable, place shorter ones on pedestals, or stands, wiring them to these supports in order to prevent them from falling over with the weight of the Palm leaves. Insert seven or eight good sized Cabbage Palm leaves in each stump, keeping them well to the top, and as high as the length of the stems will permit. Bank around these with Kentia Palms, graduating to the floor and well out to the altar rail, being very careful, where the Palms are not on stands, to have saucers or rubber mats under them, to prevent moisture going through to the carpet. Also fill in the spaces, and cover the pots with small Palmetto leaves, using half fresh leaves and half prepared, so that in case the fresh leaves dry up the prepared will still hold the effect. A branch of green Oak foliage may be added here and there, but very lightly, just enough to soften the stiff Palm leaf effect.

Now place a large Cybotium Fern in the pulpit, on a

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — **ALBANY, N. Y.** **11 North Pearl Street**
Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — **Leading Florist** **AMSTERDAM, N. Y.** **SCHENECTADY, N. Y.** Estab. 1877

Atlanta Floral Co. — **ATLANTA, GEORGIA** **41 Peachtree Street**
We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** **124 Tremont Street**
We cover all New England points. Retail orders placed with us receive careful attetion. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** **24 Tremont Street**
Orders by wire receive prompt and careful execution. We can refer to leading florists in all principel cities. Established 1870.

Zinn the Florist — **BOSTON, MASS.** **No. 1, Park St. No. 2 Beacon St.**
Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Robt. E. Wilson — **BROOKLYN, N. Y.** **Fulton St. and Greene Ave**
Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — **BUFFALO, N. Y.** — **W. J. PALMER & SON, 304 Main St.**

JULIUS BAER, **CINCINNATI, O.** **Fourth St.**

Frank E. Crump — **COLORADO SPRINGS, COLO.** **Retail Florist**
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co. — **CONNECTICUT** **New Haven** **1026 Chapel St., Opposite Yale College**
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. G. Matthews — **DAYTON, OHIO** **Florist, 16 West Third Street**
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

The Park Floral Co. — **DENVER, COLORADO** **1706 Broadway**
J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

stand just high enough to permit of its being tilted, with the fronds hanging gracefully over the top of the pulpit. Place a large specimen Kentia Palm, on a stand, on the opposite side of the arch, inside the rail and in about the same position as the pulpit, filling in around the bottom with Palmetto leaves. Place two good sized Bay trees against the wall, outside the altar rail, and bank around them with small Palms and Palmetto leaves. Bank along the wall, on both sides of the altar rail, with tall Kentia Palms, placing one good sized, well furnished Palm in each corner, on stands, banked around with smaller plants and Palm leaves.

Now hang a single garland of Laurel roping from post to post, also on the wall each side of the arch, as shown in the drawing, being careful not to let it hang too low. Fasten some well shaped Oak branches, with wire, to each post, having the topmost branches within about 2 ft. of the top and extending down about one-third the length of the post.

Place some extension plant stands, which have been previously gilded, one on every third or fourth pew seat, on each side of the center aisle, turning back the cushions, so as to have the stands as close to the aisle as you can get them, and fastening them by means of a wire and small staple driven under the seat. Place on each of these stands a good specimen Kentia Palm in a gold basket, or instead of a gold basket, one of a very dark shade of green may be used, painting the stand the same color as the basket. Fasten long Oak branches to the pulpit, beginning at the top outer edge, and carry them down to the bottom inner edge, as shown in the drawing, and you have the green part of the decoration completed.

Now wait as near to the time for the ceremony to take place as you conveniently can, without having to rush the cut flower work, and begin first with the posts or pillar. On account of these being high it will not be so noticeable should the flowers wilt a little. Wire some very pale pink or white Peonies with a heavy rose wire, to prevent them drooping. Insert the Peonies in the Oak foliage on the posts, making them stand out from the foliage as much as possible and letting one or two hang head down at the bottom of the bunch. Now stick some long sprays of Asparagus plumosus or Sprengeri in the baskets on the pews, filling them pretty full, with the sprays hanging gracefully over the sides of the baskets, but not projecting far enough to be in the way of people entering the pews or passing down the aisle. Elevate the stands to the height desired, about 2 ft. above the top of the pew would be about right, in order not to obstruct the view from behind. Twine some Smilax around the stand, stem and wire Easter Lily stalks on heavy green rose sticks, and insert these in the soil in the Palm tubs in the aisle, placing them irregularly, some short and some long.

Take some cheap, broad white ribbon, make a bow on one end and wire it to a basket, bringing the other end down to the pew, and making another bow with a short streamer, fastening this, by means of a wire and a very small tack, to the side of the pew, in such a manner that it will not damage the woodwork. Make a large, loose bunch of either Easter Lilies or white Peonies and tie the same with broad white ribbon, with quite long streamers. If Peonies are used, they should be wired with a heavy rose wire. Fasten this bunch to the inner edge of the pulpit, with the heads up and stems down, as shown in the drawing.

Moss two flat, round baskets and place them on the altar, one on each side, and insert long sprays of Asparagus plumosus or Sprengeri in them, allowing them to fall gracefully over the front of the altar. Wire some white Peonies on rose sticks and insert them in the baskets, some long and some short, permitting them to fall over the front of the altar.

Another effective detail would be to wire some long stemmed Lily stalks to the Bay trees, letting some fall, shower fashion, from the front.

You now have the decoration finished. Instruct the sexton to keep the church as cool as possible without too much draught. JAS. MEIKLEJOHN.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Amerika	June 4	9.00 am.	1st St., Hoboken	Hamburg
Arabic	" 4	9.00 am.	W. 21st St., N.Y.	Liverpool
Mesaba	" 4	9.00 am.	W. 16th St., N.Y.	London
Philadelphia	" 4	10.00 am.	W. 23rd St., N.Y.	Southampton
Berlin	" 4	11 00 am.	3rd St., Hoboken	Gib-Nap-G'n'o
Finland	" 4	11.00 am.	W. 18th St., N. Y.	Antwerp
Caledonia	" 4	3.00 pm.	W. 24th St., N.Y.	Glasgow
St. Laurent	" 4	3.00 pm.	W. 44th St., N.Y.	Bord'x-Dunk'k
Madonna	" 4		Pier 33, Bklyn	Naples-Mars.
Antonio Lopez	" 5		Pier 8, E. River	Cadiz Barcel'a Genoa-Naples
Ka. Wilhelm II.	" 7	10.00 am	3rd St., Hoboken	Bremen
Potsdam	" 7	10.00 am.	5th St., Hoboken	Rotterdam
Europa	" 7	12.00 m.	W. 34th St., N.Y.	Naples-Genoa
Athinai	" 7			Naples Piraeus Smyrna
Lusitania	" 8	9.00 am.	W. 14th St., N.Y.	Liverpool
Teutonic	" 8	9.30 am.	W. 21st St., N.Y.	Southampton
Pres. Grant	" 8	10.00 am.	1st St., Hoboken	Hamburg Naples Patras
Alice	" 8	1.00 pm.	Bush Dks. Bklyn	Venice-Trieste
La Savoie	" 9	10.00 am.	W. 15th St., N.Y.	Havre
Geo. Washington	" 9	10.00 am.	3rd St., Hoboken	Bremen
Re d' Italia	" 9	12.00 m.	Gr'nd St., Jer. Cy	Naples-Genoa
Oscar II	" 9	2.00 pm.	17th St. Hoboken	Copenhagen
Campania	" 9		Pier 38, Bklyn	Rotterdam
Minnetonka	" 11	9.30 am.	W. 16th St., N. Y.	London
St. Louis	" 11	10.00 am.	W. 23rd St., N. Y.	Southampton
Cincinnati	" 11	10.00 am.	1st St., Hoboken	Hamburg
California	" 11	10.00 am.	W. 24th St., N. Y.	Glasgow
Carania	" 11	10.00 am.	W. 14th St., N. Y.	Liverpool
Frad. der Grosse	" 11	11.00 am.	3rd St., Hoboken	Gib-Nap-G'n'a
Vaderland	" 11	11.00 am.	W. 18th St., N. Y.	Antwerp
Baltic	" 11	12.00 m.	W. 21st St., N. Y.	Liverpool
Duca di Genova	" 11	12.00 m.	W. 34th St., N. Y.	Naples-Genoa
La Gascogne	" 11	3.00 pm.	W. 15th St., N. Y.	Havre
Floride	" 11	3.00 pm.	W. 44th St., N. Y.	Havre
Patris	" 12		Pier 22, Bklyn	Piraeus Patras Smyrna
K'r W. d. Gr'sse	" 14	10 00 am.	3rd St., Hoboken	Bremen
New Amst'rdam	" 14	10.00 am.	5th St., Hoboken	Rotterdam
Batavia	" 14	2.00 pm.	1st St., Hoboken	Naples-Genoa
Florida	" 14	12.00 m.	Bush Dks. Bklyn	Naples-Genoa
Campania	" 15	9.00 am.	W. 14th St., N. Y.	Liverpool
Oceanic	" 15	12.00 m.	W. 21st St., N. Y.	Southampton
Pennsylvania	" 15	1.00 pm.	1st St., Hoboken	Hamburg
La Provance	" 16	10.00 am.	W. 15th St., N. Y.	Havre
Bremen	" 16	10.00 am.	3rd St., Hoboken	Bremen
From Boston				
Ivernia	June 7	9.30 am.	B&A Dks, E. Bos	Liverpool
Devonian	" 8		Clyde St., E. Bos	Liverpool
Cambrian	" 10			London
Parisian	" 10	12.00 m.	Mystic Whf, Char	Gib-Nap-G'n'a
Canopic	" 11	1 30 pm.	B & M Dks. Char	Glasgow
Cymric	" 14	4.00 pm.	B& M Dks, Char.	Liverpool
Philadelphia				
Friesland	June 4	10.00 am.	53 So. Wharves	Liverpool
Manitou	" 10	10.00 am.	55 So. Wharves	Antwerp
Mongolian	" 11		24 No. Wharves	Glasgow
Taormina	" 15		80 So. Wharves	Naples-Genoa
Haverford	" 18		53 So. Wharves	Liverpool
San Francisco				
Korea	June 7	1.00 pm.	1st Street	Honolulu
Nippon Maru	" 21	1.00 pm.	1st Street	Japan
Siberia	" 28	1.00 pm.	1st Street	China

John Breitmeyer's Sons — **DETROIT, MICH.** **Broadway and Gratiot Ave.**
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — **INDIANAPOLIS, IND.** **241 Massachusetts Ave.**
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — **JACKSONVILLE, FLA.** **20 Laura St.**
We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — **KANSAS CITY, MO.** **1017 Broadway**
I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — **LOUISVILLE, KY.** **644 Fourth Avenue**
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA** **855 St. Catherine St., West**
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Alex. McConnell — **NEW YORK** **571 Fifth Avenue**
American and European Correspondence.

Young & Nugent — **NEW YORK** **42 West 28th Street**
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** **25 Clinton Avenue, North**
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark, Florist — **SCRANTON, PA.** **122 and 124 Washington Ave**
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** **20-22-24 West Fifth Street**
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see page 1000

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 16 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By a Rose Grower with twenty years' experience. Address, Q. D., care The Florists' Exchange.

SITUATION WANTED—At once by all-around man, age 35, good grower and designer. Address R. C., care The Florists' Exhange.

SITUATION WANTED—July 1, by an all-around gardener; private place preferred. Please state wages, with or without board. Address, R. F., care The Florists' Exchange.

SITUATION WANTED—By married man, 14 years' experience on private place; grower of Roses, Carnations, 'Mums and Orchids. Address, R. G., care The Florists' Exchange.

SITUATION WANTED—By a general all-round greenhouse man, experienced in Roses, Carnations, Palms, Ferns and general stock. Address, Francis J. Taney, 132 Guernsey st., Brooklyn, N. Y.

SITUATION WANTED—By all-round gardener; good grower of Vegetables and flowers under glass and outdoors; can also use tools to good advantage. German, 45 years of age, single, best of references. Address, "Gardener," 216 East 79th st., New York City.

SITUATION WANTED—By experienced greenhouse man and gardener, 36, single, German, good willing worker, on private or commercial place. References; state wages and particulars. Address, G. K., care of A. Geiger, 198 Woodward ave., Brooklyn, N. Y.

SITUATION WANTED—By florist, single, age 25, with 8 years' practical experience; honest, sober, willing worker for employer's interest; commercial or private; can furnish reference. Please state wages and particulars in first letter. Willing to go West. Address R. A., care The Florists' Exchange.

SITUATION WANTED—By gardener, 16 years in business, who wishes to make an arrangement with some firm which needs a landscape architect; A-1 nurseryman and up-to-date decorator. Personal reference from Mr. Lovett's landscape service. Please state wages and particulars. Address, F. Koller, Little Silver, N. J.

HELP WANTED

WANTED—An assistant for greenhouse work; good wages for right party. Reply or call quick. E. H. Conover, Keyport, N. J.

WANTED—A good first-class man on Palms and Ferns. Good wages to the right man, but he must be able to show results. Mann & Brown, Richmond, Virginia.

WANTED AT ONCE—Rose Grower to take charge of section. Wages $12.00 per week with room; single man preferred. Address Stockton & Howe, Princeton, N. J.

WANTED—An experienced man for Carnations, Chrysanthemums, Roses and general plant line; must be sober and good all-round hustler. Permanent position for good grower. Address, E. F. Quinn, Norwich, N. Y.

WANTED—A competent grower of American Beauty Roses; must be sober, single and have best of references; good wages to the right man. Address, with particulars, A. A. Macdonald, Duke's Farms, Somerville, N. J.

WANTED AT ONCE.
Carnation and Rose Grower who can take full charge of 10,000 ft. of glass. Married man preferred; must be strictly temperate. Apply with references to W. D. Snell, Herkimer, N. Y.

ASSISTANT GARDENER WANTED
WANTED—A young man capable of putting out bedding plants, caring for flower beds and making himself generally useful about flower and vegetable garden as assistant gardener on a private place; must have some experience in greenhouse work. Permanent position with $35.00 a month and board, to a good man, who is quick and neat about his work. No others need apply. Apply by letter, stating references, to H. B. McCollum, 100 Maryland ave., Wilmington, Del.

HELP WANTED

WANTED AT ONCE.
Thoroughly competent man on up-to-date place of 32,000 sq. ft. of glass, where Carnations, Roses, 'Mums, bedding stock and a general stock are grown. Send references and wages wanted, with inquiry. Aug. von Boeselager, Mt. Clemens, Mich.

WANTED.
Young men with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best recommendation.
Address The Elm City Nursery Co., New Haven, Conn.

WANTED—Orchid Grower in commercial establishment; one who understands potting and growing all classes of Orchids for commercial use. Steady position and good salary to right party. No one using intoxicants need apply. Address, R. E., care The Florists' Exchange.

WANTED ROSE GROWER.
To grow stock for N. Y. Market; one who is ambitious to get in business and able to take full charge of 10,000 square ft. of modern glass. One who can produce good stock and will give interest to the business will get $40.00 per month and room to begin. References and particulars in first letter. Henry T. Rohner, Madison, N. J.

STOCK FOR SALE

ASPARAGUS

ASPARAGUS SPRENGERI, 2-in., $2.00 per 100; 3-in., $4.50 per 100. Asparagus Plumosus, 3-in., $6.00 per 100; strong plants. Cash please. J. S. Pfeuffer, Chester Heights, Pa.

ASPARAGUS SPRENGERI
2¼ in. pots, fine stock, $2.26 per hundred, $20.00 per thousand.
The Good & Reese Co., Springfield, Ohio. Largest Rose Growers in the World.

STOCK FOR SALE—Asparagus Sprengeri, large seedlings, 60c. per 100. Asparagus Sprengeri, out of 3 and 3½-in. pots, $5.00 per 100. Salvia, Bonfire out of 3 and 3½-in., pots, $3.00 per 100.
Smilax, extra large young plants, cut back the second time, 2¼-in. pots, $15.00 per 1000 or $2.00 per 100. Cash with order.
P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

CHRYSANTHEMUMS.

GLORIA—100, $2.60; Pres. Taft, Mrs. W. E. Kelley, 100, $3.00; Golden Glow, Pacific Supreme, White Cloud, 100, $1.25; R. C. prepaid; Gloria, 2½-in., $3.00. Chas. Frost, Kenilworth, N. J.

CHRYSANTHEMUMS, transplanted cuttings, Estelle, Pacific, Oct. Frost, Halliday, Bonnaffon, Maud Dean and other varieties. $1.25 per 100, $12.00 per 1000. Baylis & Sons, West Grove, Pa.

CHRYSANTHEMUMS, extra strong plants, from 2¼ and 2½-in. pots, healthy and cleans:—

Golden Glow	Appleton
Polly Rose	Pink Ivory
Pacific	White Ivory
Oct. Sunshine	Maud Dean
Touset	Nonin
Alice Byron	

$3.00 per hundred.
Also 1000 Salvia Bonfire, from 3½-in. pots, at $5.00 per 100.
Pieper & Kreft, E. 224th st., Williamsbridge, N. Y. City.

CHRYSANTHEMUMS
Clementine Touset, Plants, $3.00 per 100, $25.00 per 1000; Rooted Cuttings, $2.00 per 100, $17.50 per 1000. Ivory, Monrovia, October Frost, Pacific Supreme, A. J. Balfour, Tim Eaton, White Cloud, Jeanne Rosette, Maud Dean, Yanoma, Plants, $3.00 per 100, $25.00 per 1000; Rooted Cuttings, $2.50 per 100, $20.00 per 1000. Col. D. Appleton, Crocus, Major Bonnaffon, Mlle. Jeanne Nonin, Plants, $3.00 per 100, $25.00 per 1000; Rooted Cutings, $2.00 per 100, $15.00 per 1000. Gloria, Pres. Roosevelt, Golden Eagle, Intensity, Nagoya, Plants, $4.00 per 100, $30.00 per 1000; Rooted Cutings, $3.00 per 100, $25.00 per 1000. Indiana, Mrs. W. E. Kelley, Plants, $4.00 per 100, $30.00 per 1000; Rooted Cuttings, $3.00 per 100, $26.00 per 1000. Pres. Taft, Plants, $10.00 per 100; Rooted Cutings, $8.00 per 100. Special fine lot of Anemones, Pompons and Singles from pots, list of varieties on application, our selection, $3.00 per 100, $26.00 per 1000. Elmer D. Smith & Co., Adrian, Mich.

GERANIUMS

700 GERANIUMS, 3½-in. pots, mostly Double Grant, in bud and bloom, $5.00 per 100; 1500, 2½-in., $2.50 per 100. Cash please. Arthur Cornelis, Somerville, N. J.

GERANIUMS—4-in. stocky plants in bud and bloom; Ricard, Poitevine, Perkins, Viaud, Jaulin, Buchner, Doyle, $6.00 per 100. Vinca Variegata, 2-in, strong, $3.00 per 100. Cash please. Schroeder Bros., Ramsey, N. J.

GERANIUMS.
Mrs. E. G. Hill, 4-in. pots, $7.00 per 100. Salvia, 2½-in. pots, $3.00 per 100. Verbenas, 2½-in. pots, $3.00 per 100.
All above plants are in bud or bloom; fine and healthy stock. A. Laub & Son, Hughsonville, N. Y.

NURSERY STOCK

CLEMATIS PANICULATA
Splendid stock for lining out in field, $6.00 per 1000. 10 samples by mail 10c.
The Elm City Nursery Co., New Haven, Connecticut.

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ROSES, STRONG, CLEAN STOCK
Own root: Bride, Bridesmaid, Chatenay, Golden Gate, Pink Killarney, Kaiserin and Perle, $6.00 per 100; Grafted White Killarney, $14.00 per 100. P. R. Quinlan, Syracuse, N. Y.

STOCK FOR SALE—1000 Pink Killarney and 600 Richmond, 7 cents each; 2000 Maid plants, 6 cents each; 400 one year old Gardenia plants, 26 cents each; all fine plants in 4 in. pots; also 10 second-hand 4-in. hot water valves at $2.50 each.
Brant-Hentz Flower Co., Madison, N. J.

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From 2¼ in. pots, fine stock. The following varieties at $2.00 per hundred, $25.00 per thousand. 25 plants of a kind at the hundred rate, 250 at the thousand rate.

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Clothilde Soupert	Bon Silene
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Mlle. F. Kruger	Safrano

The following varieties at $3.00 per hundred, $27.50 per thousand.

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Pink Cochet	White Cochet
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The following at prices named.

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Climbing Killarney	4.00
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The Good & Reese Co., Springfield, Ohio. Largest Rose Growers in the World.

SMILAX.

SMILAX—Strong seedlings, 40c. per 100, $3.50 per 1000. Cash please.
Wm. Livesey, 6 McCabe st., New Bedford, Mass.

SMILAX, one year, 36c. per 100; $3.00 per 1000; older roots, every one of which will give you a fine string of smilax the coming season, $3.00 per 100; $15.00 per 1000. Park Hill Floral Co., Hemet, Cal.

VEGETABLE PLANTS

PRIZETAKER ONION SEEDLINGS, for transplanting, strong and vigorous, $1.00 per 1000. Stevia $1.00 per 100. Henry Holzapfel, Jr., Hagerstown, Md.

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LEMON VERBENA, Heliotrope, Stevia and Feverfew, R. C., 75c. per 100, prepaid. Chas. Frost, Kenilworth, N. J.

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English Ivy, 2-in. pots, $2.00 per hundred. Henry Engler, 4661 Lancaster ave., Philadelphia, Pa.

SALVIA ZURICH, 2-in., $1.50 per 100.
S. A. NUTT, 2-in., $2.00 per 100.
F. A. Ezold, Haddam, Conn.

POINSETTIAS.
Fine young Poinsettia stock in 2½-in. pots. Correspondence solicited.
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STOCK FOR SALE—40,000 Verbena plants in bud and bloom, $20.00 per 1000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

HARDY and TENDER NYMPHÆAS, all claeses. Choice assortment of aquatic plants, Eulallas, etc. Price on application. Edw. S. Schmid, 712 12th st., N. W., Washington, D. C.

BEGONIA Lorraine and Agatha—2½-in., twice transplanted, $12.00 per 100; in 500 lots, $60.00 per 600.
Box Trees, all sizes. Ask for special list.
Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. Y.

FERNS

Ferns in flats, ready for immediate delivery, separate varieties: Pteris adiantoides, P. magnifica, P. Mayii, P. Wilsonii, P. Wimsetti, Aspidium Tsussimense, and Cyrtomium Falcatum.

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A small advertisement in this department, will quickly secure for you any stock needed in Plants, Bulbs or Nursery Stock.

WANTED—Latania Borbonica, 3½ to 5 feet tall; also Hydrangea Otaksa, in half barrels or butter tubs. N. A. Corlin, Elberon, N. J.

WANTED—Thirty well-developed Catalpa Bangei grafted, with seven feet stems and well-developed heads. State age and price. Thomas Meehan & Sons, Inc., Germantown, Philadelphia, Pa.

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FOR SALE—Florist store, doing a nice business; will sell on account of sickness. Apply to J. Diefenbacher, 284 Graham ave., Brooklyn, N. Y.

FOR SALE ON EASY TERMS—Greenhouse establishment, about 10,000 ft. of glass, doing most excellent home business in very wealthy section, near New York. Address, R. D., care The Florists' Exchange.

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A modern uptodate place in first-class condition, situated in Elmhurst; about 20,000 square feet of glass, 3 acres of land, modern cottage of 8 rooms, bath with all improvements, barn, 2 horses, 1 cow, wagons, etc. This place is fully stocked in first-class running order. Come and see it. Cause for selling; death in family.
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FOR SALE—3 greenhouses, 450 feet total length, to be torn down and removed; no reasonable offer refused. For full particulars write to S. C. Parcells, Murray Hill, N. J.

FOR SALE—100 greenhouse sash, new, 3x6; also 300 boxes of glass, double thick, 10x14; all kinds of boilers in good condition, cheap for cash. R. Gelb & Sons, 229 Livingston st., Newark, N. J.

FOR SALE—No. 5 Kroeschell hot water boiler, will heat 12,000 feet of glass. Boiler 4 years old and good as new. 1 Furman hot water boiler No. 8, in good condition. Come and see them working. L. Cousins, Jr., Concord Junction, Mass.

FOR SALE—Modern greenhouse, 22x80, with propagating house, 6x80, attached, Hitchings all iron construction, complete, cheap; also 25,000 feet 1¼, 1½, 2 and 3 in., wrought pipe; 1,000 feet Vent. Apparatus; 3 No. 17 Hitchings and 3 sectional cast boilers; 50 boxes 10x14 and 50 boxes 16x24 double thick glass; 300 boxes 10x12 double thick glass in big lots at $1.55 per box. Sash bars, etc. Siessermann, 229 Livingston st., Newark, N. J.

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ONE CLOSED WAGON, $125.00

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NOTICE

100 boxes of single thick glass, size 10x12, $1.00 per box.

A lot of second-hand sash bars, 12 and 16 ft. long.

Also a lot of wooden purlins and ridge with iron columns and adjusting foot-pieces. All in good condition. Will take down and ship or will sell standing.

Also several hundred feet of continuous ventilators, gears and shafting and arms. Must be sold at once as I have to clear the property.

Purchasers must pay expense of boxes for glass.

ROBERT A. ELLIOTT, Morristown, N. J.
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Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y.
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We Pay The Freight on cut-flower and design boxes. See our price list on page 1000, this issue. Prompt shipment out HOBBY.

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The book of WATER GARDENING
By Peter Bisset. Price, postpaid, $2.50
A. T. DE LA MARE PTG. & PUB. CO., LTD
2 to 8 Duane Street, New York.

Baltimore G. and F. Club

The regular meeting of the Gardners and Florists' Club was held in their hall, May 23, with President G. Morrison in the chair. The meeting was well attended, it being entertainment night brought out a large crowd. Quite a little business was transacted. The window box and beautifying the backyard problems were discussed, after which the entertainment started. The committee diverted the members for over two hours with good music and catchy songs; cigars were freely passed around and refreshments served by the caterer. It was regretted that many more of the members did not get to this meeting as it was one of the most interesting the Club ever held.

James Hamilton moved a vote of thanks to the committee and those who took part in the entertainment, and the Club accordingly extended its hearty thanks. The success of this event will naturally induce others on the same lines, as it was a success from start to finish.

The committee was composed of J. Boone, Charles Seybold and J. L. Towner. After the inner man had been satisfied the Club again went into business discussions that kept the members out later than usual. The question box was omitted. J. L. T.

Tarrytown Horticultural Society

The regular monthly meeting was held in the Society's rooms on Friday evening, May 27, 1910, a goodly number of members being present.

The monthly prize, donated by Wm. Scott for 12 vases of hardy outdoor flowers was won by Robert Angus, gardener for Joseph Eastman. The exhibit consisted of six lots in all and made a nice display.

The finishing touches were put on the schedules for the June and Fall Flower Shows. It was decided to hold the June show on June 14, 1910. These schedules are now ready, and may be had upon application to the secretary, E. W. Neubrand.

The matter of the annual outing was taken up and discussed, and the old committee (John Brunker, James Smith, and William Scott) was again appointed with power to make all necessary arrangements.

Samuel C. Horn, supt. for James Speyer of Scarboro, was elected to membership. WM. SCOTT, Cor. Sec.

May 31, 1910.

Southbridge, Mass.

This is one of the poorest towns of its size I ever saw, for florists. Two small greenhouses, both carried on as a side line, attend to most of the business.

H. F. Littlefield of Worcester has an agent here, but he reports very little funeral work. This is strange in a town of about 14,000 inhabitants.

Sometimes you will see a funeral on its way to the cemetery, with not a flower in sight. One Grand Army man was asked a short time ago why there were so few flowers at the funeral of another old soldier. His reply was "He has been sick so long, people had forgotten all about him." That is a bad case of "Out of sight, out of mind."

Green, the florist from Spencer, came to Southbridge several times the week preceding Memorial Day, with big two horse loads of sundry plants and Ferns. He reported a fairly good business.

CAROLUS.

Surplus Plants Geraniums, mostly Ricard and Nutt, 4-in. stock, 5c.; Coleus, best bedders, 2c.; Fuchsias, in good variety, 4-in., 5c.; Heliotrope, 4-in., 5c.; Tuberous Rooted Begonias, red, 4-in., in bud, 10c; Cobaea Scandens, 3-in., 5c.; Scarlet Sage, Zurich, 2½-in., 2c.; Antirrhinums, good colors, 2c.; Asparagus Sprengeri, 2½-in., 2c.; Verbenas, mixed, 2c.; Dusty Miller, 1½c.; Lilium Speciosum Rubrum, showing from 8 to 12 buds, 50c. each.
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Please mention the Exchange when writing.

WE beg to announce that on and after July 1st, 1910, the premises on the first floor of the Coogan Building will be under the management of A. Moltz & Company, who will sell, at wholesale only, all Flowers in Season in addition to Roses.

A. MOLTZ & COMPANY,
Wholesale Florists

A. MOLTZ — MAURICE L. GLASS

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FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 5½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.50 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.66. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

CARNATION SUPPORTS About 10,000 at $4.00 per 1000.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double, 12x14 to 12x20, 14x14 to 14x18 B double, 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

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THE AMERICAN CARNATIGN—C. W. Ward. Price $3.50. Prospectus.

THE CHRYSANTHEMUM.—A. Herrington. Price 50c.

ARNOLD'S TELEGRAPH CODE FOR FLORISTS.—$2.50.

DESIGN BOOK, THE FLORISTS' EXCHANGE.—Sold to subscribers only. Send for particulars.

FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $2.40. Reviewed Feb. 19, 1910.

THE HEATHER: In Lore, Lyric and Lay.—By the late Alexander Wallace, $1.00. Prospectus.

PLANT CULTURE.—George W. Oliver. Price $1.50; F. E. two years and Plant Culture, $3.00. Prospectus.

PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 27, 1909.

THE ROSE.—H. B. Ellwanger. Price $1.26.

SUCCESS IN MARKET GARDENING.—Herbert Rawson. Price, postpaid, $1.20. Reviewed, April 23, 1910.

SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 50c. Prospectus.

SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.

VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.50. Prospectus.

WATER GARDENING, THE BOOK OF.—Peter Bisset. Prospectus. $2.50.

GOLDFISH, THE, AND ITS CULTURE.—Hugo Mulertt. Price, $2.00. New edition. Prospectus.

The review notices or prospectuses of the books mentioned will be mailed to any subscriber on application.

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4 inch, 12 to 15c.; 5 inch, 20 and 25c.; 6 inch, 35 and 50c.

SCOTTII FERNS, 5 inch, 25c.; 4 inch, 15c. each; and 2¼ inch, $4.00 per 100.

COCOS WEDDELLIANA, 2¼ inch, 10c. each, $9.00 per 100.

ASPARAGUS PLUMOSUS, 2¼ inch, strong, $3.00 per 100; 4 inch, $10.00 per 100.

SALVIA BONFIRE, 2¼ inch, $2.50 per 100.

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Only $1.75 per 1000

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GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. **GREEN MOSS,** $1.25 per barrel. Use our **LAUREL FESTOONING,** for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. **SMILAX,** 50 lb. cases, $6.00. **PINE,** 7c. per lb.

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CUT FLOWERS OF ALL KINDS
HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.
New Crop Dagger and Fancy Ferns, $2.00 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.
A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.
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ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.

Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.

All Decorating Material in Season.

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FANCY and DAGGER
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MANUFACTURERS
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10,000, $1.75; 50,000, $7.50
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LOUISVILLE FLORAL CO.
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Please mention the Exchange when writing.

A Window Cleaning Hint

While cleaning a stain from the window, says a writer in the Pharmaceutical Bulletin, Eucalyptus oil was accidentally put on the cloth instead of benzine. The stain vanished. It disappeared like magic, leaving a polished window. The glass can be cleaned in half the usual time, and saves much elbow grease. The odor is not strong and soon disappears entirely.

"FLORISTS' FAVORITE" CUT FLOWER BOXES

Very Neat Manilla Boxes—White Inside
All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

Per 100		Per 100	
20x4x3	$2.26	28x8x4	$4.60
18x5x3	2.26	30x6x3½	3.75
24x5x3½	3.00	36x6x6	6.60
21x7x3½	3.26		

Printed free in lots of 300 or more; 60c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

Per 100		Per 100	
16x16x8	$8.00	36x14x10	$16.60
18x18x8	9.00	36x10x6	10.00
20x20x8	10.00	30x12x7	8.50
24x24x8	12.00	28x12x4	6.60
24x18x8, Pillow Box			12.00
20x16x8, Pillow Box			10.00

10 per cent. discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

CLIMAX MANUFACTURING CO.
Box 205 CASTORLAND, N. Y.
New York Office, 20 East 42nd Street

Please mention the Exchange when writing.

KRICK'S Florist Novelties

Manufacturer and Patentee of
The only genuine IMMORTELLE LETTER on the market
For sale by all Supply Houses.
CHAS. AUG. KRICK
1164-66 Greene Avenue, BROOKLYN, N. Y.

Please mention the Exchange when writing.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire
IGOE BROTHERS
Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes
63-71 Metropolitan Ave., BROOKLYN, N. Y

Please mention the Exchange when writing.

CLEVELAND, O.—The Schneider Floral Co. has been incorporated with a capital of $95,000.

UNION CITY, PA.—The Union City Greenhouses, W. J. Olds, proprietor, has opened a store on West Main st.

An Appreciated Compliment

I consider your journal an honor to American horticulture, and count myself fortunate in being one of your readers. All your departments are ably conducted, but Joseph Meehan's alone is worth decidedly more to me than the amount of my subscription.

WILBUR DUBOIS, Madisonville, O.
Landscape Gardener.

W. J. Palmer & Son of Buffalo, N. Y., Are Operating Two of This Style Car in Their Delivery Service

DRACAENA INDIVISA

A few hundred strong, clean, healthy plants.

5 inch pots, 25 cents; 6 inch pots, 35 cents each.

Alexander Dallas, 119 Grand Street, WATERBURY, CONN.

Please mention the Exchange when writing.

DRACAENA INDIVISA

Strong, 4-inch, $10 00 per 100.

ASPARAGUS SPRENGERI, strong 2½-inch, $3 00 per 100.

ASPARAGUS PLUMOSUS, 2-inch, $2.00 per 100.

WETTLIN FLORAL CO., Hornell, N. Y.

Please mention the Exchange when writing.

DRACAENA INDIVISA

$18.00 per hundred.

Vinca Variegata, 2½-inch pots, $2.50 per hundred.

Cash with orders please.

E. L. RILEY, Trenton, N. J.

R. F. D. No. 2.

Please mention the Exchange when writing.

PALMS, FERNS and Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

Please mention the Exchange when writing.

DRACAENA INDIVISA

One year, transplanted on benches last October, strong stock, $1.60 per 100, $12.00 per 1000.

DWARF ALYSSUM, FEVERFEW, STOCKS, SENECIO, each at $1.50 per 100.

DWARF ORANGES, in bud and bloom, 4 and 5-in. pots, 8 plants for $1.00.

Cash prices.

E. FRYER, Johnstown, Pa.

Please mention the Exchange when writing.

Dracaena Indivisa

Nice large plants, 6 and 6-in. pots, $26.00 per 100; 12 at 100 rate, less at 30c. each.

ASPARAGUS Plumosus, 6-in., $20.00 per 100; 3½-in., $7.00 per 100.

Cash with order.

C. S. CHASE, Dighton, Mass.

Please mention the Exchange when writing.

ORCHIDS Just arrived, in fine condition a large shipment of Cattleya Trianae, also C. Gaskelliana, Oncidium varicosum Rogersii, O. crispum, Miltonia cuneata, Laelia crispa, L. Perrinii and many more.

Another lot of Cattleya Mossiae and C. labiata due shortly.

LAGER & HURRELL

SUMMIT, N. J.

Please mention the Exchange when writing.

Fern Seedlings in Flats

In best varieties, ready June 16.

20,000 KENTIA Belmoreana, in 2¼-in. pots, ready now; also,

25,000 ASPARAGUS plumosus nanus, 2¼-in., ready for shifting.

Prices on application.

NEW PANSY SEED READY JULY 1.

B. SOLTAU FERNERY,

199 Grant Avenue, JERSEY CITY, N. J.

Please mention the Exchange when writing.

FERNS FERNS

Assorted Ferns for Jardinieres, in 6 to 8 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $25.00 per 1000.

Fern Seedlings in Flats, in 10 best varieties, each flat contains only one variety of Ferns; ready about the middle of July; price on application.

THOMAS P. CHRISTENSEN

SHORT HILLS, N. J.

Please mention the Exchange when writing.

PTERIS WILSONI

A few hundred fine bushy plants, in 3-inch pots, 7 cents each.

R. G. HANFORD, Norwalk, Conn.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

FERNS

MY SPECIALTY

Adiantum Cuneatum, best Maiden Hair Fern for cut fronds, 2¼-in., $3.50 per 100, $30.00 per 1000.

FERN SEEDLINGS

Over Million and a Half of Fern Seedlings, strong, healthy stock, now ready for potting; assortment of 15 Best Varieties for Fern Dish Filling, my selection, $1.00 per 100, $9.50 per 1000, $8.50 per 1000 in 25,000 and $8.00 per 1000 in 50,000 lots. Small orders of 100 and 200 plants can be sent by mail if desired, and postage of 10c. per 100 is remitted.

(Satisfaction and safe arrival guaranteed or money refunded.)

Assorted Ferns, for Fern Dishes, 2¼-in., $3.00 per 100, $25.00 per 1000.

Adiantum Farleyense, 2-in., $1.30 per dozen, $10.00 per 100.

Cibotium Schiedei, 2-in., $2.25 per dozen, $25.00 per 100, $240.00 per 1000; 6-in., $1.00, and 6-in., $1.75 each.

J. F. ANDERSON, Short Hills, N. J.

Fern Specialist

Please mention the Exchange when writing.

Ferns in Flats

All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready June 1. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.

Please mention the Exchange when writing.

American Gladiolus Society

Proceedings of the First Meeting

At Horticultural Hall, Boston, Mass., on Friday afternoon, May 27, the American Gladiolus Society was formed. A permanent organization was effected, with 75 charter members, and a constitution and by-laws were adopted. There was great enthusiasm manifest from beginning to end, and the new society starts in with very brilliant prospects. The meeting was called to order by Maurice Fuld of Boston, who, through his voluntary efforts, deserves great credit for bringing the Gladiolus growers together.

In a few well chosen remarks, interspersed with timely suggestions, Mr. Fuld stated the purpose of the meeting, and then introduced Professor G. E. Stone of Amherst College, who presided. Professor Stone gave an interesting talk on floriculture in its relation to the farm and home, and received hearty applause.

A paper by H. Youell of Syracuse, N. Y., entitled "Gladiolus as we Knew and Grew Them Fifty Years Ago," giving the history of some of the first varieties of the Gandavensis hybrids of Gladioli, was listened to with evident appreciation and interest.

The new society has accepted an invitation to meet with the Society of American Florists at their annual exhibition at Rochester, N. Y., next August. The Department of Horticulture of Cornell University, Ithaca, N. Y., has tendered the use of their trial grounds for the growing and testing of varieties of Gladioli, and the offer was accepted with a lively vote of thanks.

A sincere vote of thanks was also extended to the Massachusetts Hort. Society for the use of their hall, to Professor Stone for the able manner in which he presided, to Mr. H. Youell for his most interesting essay, and to the Society of American Florists for their invitation to meet with them at Rochester.

The meeting was enlivened by spirited but friendly discussions in which the following gentlemen all took part: Arthur Cowee, Berlin, N. Y.; Arthur Boddington, New York; Montague Chamberlain, Boston; Maurice Fuld, Boston; J. K. Alexander, East Bridgewater, Mass.; Robert Cameron of the Harvard Botanical Gardens, Cambridge, Mass., Eugene Fisher, Jamaica Plain, Mass.; J. S. Hendrickson, Floral Park, N. Y.; Professor L. B. Judson, of Cornell University; Carl Cropp, Chicago; L. Merton Gage, Orange, Mass.

The following officers were elected to serve for one year:

President, I. S. Hendrickson, Floral Park, N. Y.
Vice-President, E. H. Cushman, Sylvania, Ohio.
Treasurer, Maurice Fuld, Boston, Mass.
Corresponding Secretary, L. Merton Gage, Orange, Mass.
Financial Secretary, H. Youell, Syracuse, N. Y.
Executive Committee: Arthur T. Boddington, New York City; Arthur Kirby, New York City; J. K. Alexander, East Bridgewater, Mass.
Committee on Nomenclature: Arthur Cowee, Berlin, N. Y.; Professor L. B. Judson, Cornell University, Ithaca, N. Y.; Leonard Joerg, Floral Park, N. Y

Orange, Mass., May 30, 1910.

L. MERTON GAGE,
Corresponding Secretary, American Gladiolus Society.

The Haarlem Jubilee Flower Show

Our Haarlem exhibition, in its present shape, will soon be at an end. All Hyacinths, Narcissus and early Tulips are faded, but the Darwin Tulips still display their magnificent colors, and these are planted by thousands upon thousands. Here and there, under and between the thick and tall trees, Scilla campanulata (white, blue and rose) show their fresh colors, but for the main part our bulb flowers are finished.

At one of the buildings we meet with all the animals of the Chantecler opera; they are now clean, fresh green with their new leaves. All clipped plants (Buxus) are shaved anew and show their good shape. In the building we find a collection of 5000 flowers culled from Darwin Tulips, numerous Roses, Carnations, etc., alternated by strong Araucaria and Aspidistra elatior plants. Several miniature greenhouses, stocked with little pots of Orchids and Cactus, Mammillaria plants, and fitted for the drawing room, find a place there—and find buyers, too.

Between this and the other head building, close to the fountain basin, in the French garden, all bulbs have disappeared but are substituted by beds of Cheiranthus Cheiri (Wallflower), tufted Pansies and Bellis perennis (fl. pl.) in two colors. To the right and left of the entrance we find very large half-circular beds of Rhododendron Chevalier Felix de Sauvage bordered with Azalea Hinodegiri, a really striking sight. Within we go to the right and come to a nice group of Palms (Cocus Weddeliana, Latania borbonica, Kentia Forsteriana, Phœnix reclinata, etc.) being an exhibit of Messrs. Bier & Anbersmit, growers of Palms and Azaleas, at Loochristie, near Ghent, Belgium. To the left we find a group of much more gigantic plants: Rhododendrons in full flower, Lilacs, Palms, etc., sent by Messrs. D. & J. Kessen Bros., of Aalsmeer. In the center, formed like a French garden, we see other products of Aalsmeer, Pelargonium Zonale, principally, the most popular varieties being Dr. Paul Crampel and Ian McClaren. In the beds we find plants of Chrysanthemum frutescens on standards and along the walls border beds with Tuberous Begonias having extraordinarily large flowers, having as a background Cytisus laburnum, Acer negundo, different varieties of Malus and red Cratægus (fl. pl.). This section ends in large beds of Azalea mollis, Deutzias, Hydrangea hortensis with giant flowers, and a magnificent group of Palms, bordered by Lilium longiflorum, Saxifraga and Anthurium Scherzerianum.

In the second part of this building we meet with border beds of standard Baby Roses, Calla Childsii and Primula obconica in different colors. To the right is a half-circular bed, composed of different kinds of blooming shrubs, crowned by gigantic Palms; next a bed of Begonia Gloire de Lorraine and, just in the corner, a bed of the finest Araucarias I ever saw. Along the walls, border beds of blooming Rhododendrons and many, many kinds of Cinerarias in all colors. In the center of the hall, on a two ft. high mound of grass, we see a collection of Orchids in flower, exhibited by E. W. A. Nederhasselt, Aerdenhout near Haarlem. This collection is not a large one, and the plants are not strong, but nearly all species were present: Cypripediums, Cattleyas, Odontoglossums, Dendrobiums, Oncidiums, Cymbidiums and Lycastes, were arranged with fine Ferns in nice groups of which several were sold. On this mound is also placed a rich collection of Anthuriums, among them also a white variety, shaped like Anthurium Scherzerianum. A very large circular bed, composed of different dwarf-growing shrubs, is laid behind the Orchids. The background is filled with Ficus elastica, fine Acers with green and red brown leaves, Bougainvillea, Hydrangea hortensis showing gigantic flowers on single stems. To the left a group of Deutzia gracilis, Bougainvillea Sanderiana, etc., call for attention. One strong plant of Strelitzia Reginæ causes the people to gaze at the queer shaped flowers. Next we see a bed of Tuberous Begonias with double flowers (about 5" long and 4" broad in different colors) sent by W. Warmenhoven & Sons, Hillegom; I never saw such immense flowers. J. BEUMER.

Sassenheim, May 22, 1910.

[Owing to the very unfortunate illness of Mr. Beumer, who was taken down on the very opening day of the first exhibition, through exposure to the weather while he was endeavoring to obtain photographs for the readers of the EXCHANGE, this is the first communication on the subject, he has been able to send us of the Haarlem Jubilee Show.—ED.]

Improvements in Anemones

While on the subject of bulbs I might draw attention to the value of Anemones. These are steadily being improved, and our specialists, Gilbert & Son of Lincolnshire, are now making displays that never fail to attract great attention. The old A. fulgens has been enormously improved, the new variety bearing the name of A. fulgens oculata gigantea. Under glass it can be had in flower in December, and outdoors it blooms in April, later planted bulbs carrying on the display until end of June. In size it is more than double that of a fulgens, and the color is gleaming scarlet, such as you would term "Christmas Scarlet." The stems are of great length, making it a splendid subject for the florist.

T. A. W., Eng.

We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(132) **Plant for Identification.**—J. B., Albany, N. Y.

—The plant submitted is Dicentra eximia. It belongs to the same genus as the cultivated species, the Bleeding Heart, Dicentra spectabilis.

(133) **Trouble with Bedding Plants.**—I am sending you three specimen plants, Heliotrope, Coleus and Ageratum. These plants are taken from a greenhouse and appear to have some disease. Kindly tell me the nature of the trouble, the cause and the cure.—H. J. G., Conn.

—No live insects appear on the plants submitted, but the undersides of the Ageratum leaves are covered with the eggs of some insect, and a few of them are noted on the Heliotrope, and none whatever on the Coleus. It is suggested that you dip your plants in Nikoteen, used according to its accompanying directions; or in a soap emulsion, made by dissolving one pound of Ivory soap in twenty five gallons of water, using when warm. If dipping is not feasible, spray with either of the above. All the plants submitted would be injured by heavy tobacco fumigation.

Hydrocyanic Acid Gas for Ferns

A subscriber for The Florists' Exchange, who is a large Fern grower, wishes to ascertain through our columns whether any person in the same line has used the gas for the purposes below mentioned. He writes as follows:

"Sometimes we are considerably bothered with sow bugs or wood lice and millipedes, also with small white fly and red spider, on the various kinds of Ferns, such as are used in an assortment for jardinières, also Adiantum cuneatum and Cibotium Schiedei.

"Would it be perfectly safe for me to use hydrocyanic acid gas in a house where the above mentioned plants are grown? If so, how should it be used and in what proportions?"—T. P. C., N. J.

[We would like to hear from subscribers who have had experience along these lines. For the matter of that, detailed reports of the successful use of this gas in any greenhouse operations will be welcomed.—ED.]

The John F. Stevens Co. of Damascus, Va., inquire where they can purchase Tomato crates of one gallon, one peck and one bushel, in which to ship Tomatoes and Snap Beans. If any of our readers can supply this information, will they kindly write the firm direct.

Kalamazoo, Mich.

While the weather on Memorial Day itself was cold and threatening, that of the previous week was nice and fine hence the business of that week was all that could be attended to, and it appears to have been most satisfactory to the trade. The plant trade certainly was strained to the limit, and satisfaction is expressed as to the amount of business done in this line during the week. Prices are quite moderate in the plant trade, as $1.50 per dozen represents the top price for 4-in. Geraniums, and from that down to 50c. for small plants, such as Verbenas, Coleus, etc. In many cases this includes the planting out also, though as a rule that part adds but little to the cost of delivery, and competition is apparently as keen in the plant trade as it is in cut flowers, which is saying quite a little. Peddling wagons are put on the streets by one or two concerns and as they usually get to a class who are not great patrons of the greenhouses, they, most likely, are factors of considerable educational value.

The cut flower trade was very brisk and, as usual, much funeral work, added to the regular Memorial Day's trade, made it almost impossible to keep up with the demand. There did not appear to be much trade turned away on account of the scarcity of flowers, and from all accounts this holiday has been fully as satisfactory as expected.

Prices certainly averaged a little higher than usual, Roses being quoted at $1 to $2 and Carnations, 60c. to $1. 75c. being the ruling price. Bouquets, ready made up, of mixed flowers, ranging in price from 25c. to $1, formed an extensive part of the sales, and were probably the most profitable of anything sold, as very pretty mixed bunches consisting of the various colors of Snapdragon, Stocks, etc., worked off a lot of stock which could hardly have been disposed of in any other way, and gave great satisfaction to the buyers, who got good value for their money, consequently there were but few protests made on the Memorial Day prices. S. B.

Milwaukee

Memorial Day business broke all records, both as to the quantity of stock on the market and the quality, and prices realized were considerably better than in former years.

Owing to the heavy frosts we had this Spring there were no outdoor flowers in the market, consequently the demand was entirely for greenhouse grown stock and there was an enormous demand for Carnations. The price on Carnations ruled about $5 per 100 on the best grade of stock, and inferior grades $3 to $4, but everything salable was sold out clean. In Roses, the demand was principally for the cheaper grades.

There was also quite a quantity of Peonies in the market, shipped in from southern points, and they found a ready market. The call for bedding stock, likewise, was extremely heavy, and up to this writing nearly everyone was cleaned out of stock which was in bloom, in Geraniums and Petunias, although there is still quite a quantity of this class of goods on hand, which will, however, from indications, be all cleaned up in the course of the next week or ten days, as, very little outdoor planting has been done yet in public places, or in the cemeteries, owing to the cold nights which have somewhat retarded it.

The Merchants' and Manufacturers' Association has taken up the protests of the business men regarding express rates being excessive, and C. C. Pollworth will represent the florists' interests in trying to secure better rates, especially on small parcels, on which the rate is extremely high in comparison with the usual 100 lb. rate, thus curtailing a great deal the shipment of smaller amounts, which could be handled were it not for the high charges.

C. C. POLLWORTH CO.

Vincennes, Ind.

A visit to Vincennes to see the Peony farm of W. A. Reiman is certainly a treat. It is located about three miles from the town. Mr. Reiman had about five acres of the best varieties of Peonies coming into bloom at a very favorable time, just before Memorial Day. For the past four years he has marketed the most of his cut in Chicago, but makes shipments to Milwaukee and Cincinnati, as well as St. Louis. He intends to build a larger and more suitable packing shed another year. Miss Reiman acts as general superintendent during the harvest.

P. C. Schultz of Vincennes intends to build this Summer, his ever increasing retail business making it necessary that he have more glass.

Detroit

With Memorial Day the coldest in forty years, it was really surprising that so many flowers were disposed of. The general call was for low priced goods, of course, and therefore it was mostly up to Carnations to fill the bill.

Outdoor planting, which is usually completed by this time, is still greatly retarded, owing to the inclement weather.

John Breitmeyer's Sons are erecting two new houses at their Mack ave. place, each 150ft. by 50 ft., and are giving the rest of the houses a thorough overhauling. A small office building is also being added and a general florist business is being established. Formerly nothing whatsoever was sold at the greenhouses, but the many good residences being built in that neighborhood make this change necessary.

Mr. Bloy reports a complete clean up in all lines of bedding stock, which he deplores very much, considering the many orders still coming in.

FRANK DANZER.

Philadelphia Retail Notes

The Glenwood Flower Shop, 2700 Ridge ave., is showing cemetery lawn vases made of discarded phonograph horns of octagon shape. These were the happy discovery of Mr. Koch who reports an excellent sale therefor. Decoration Day business was very brisk and the cemetery opposite the store caused more good trade.

Fred Ebret of Broad and Ridge, is making some alterations, greatly improving his "Floral Arcadia." Decoration Day kept all hands busy and cut stock went much better than ever before.

E. McGrath, 2307 Ridge ave., has one side of his store devoted to a series of steps running from front of store back to near ceiling in the rear which offers a splendid means of displaying stock to good advantage.

Cella's store, at 20th and Columbia, has an attractive window display of sod, seed packages and utensils, with a lattice-work background, well trimmed with greens.

Mrs. Eaton, 1110 Girard ave., has had a new bulk window placed in her store which is much better than the old arrangement, being larger and easier to arrange.

Aug. Muller of 219 So. 8th st. reports good trade this Spring and Decoration Day business as far ahead. This place has an attractive display of shrubs of all popular varieties.

E. M. Palette of 1410 City Line ave. is tearing down his range, part of which was destroyed during the past Winter by heavy snowfalls.

Ernest F. Hoehl 59th and Gibson, will break ground shortly for a residence which has been found necessary for his bride of Feb. 5. Mr. Hoehl took a trip to Brooklyn, N. Y., where he met Miss Wachter and then to his old home in Allentown, Pa., where they were married. Some excellent Sweet Peas, yellow Daisies and green stock is shown here and a fine crop of Mignonette is coming on.

Geo. W. Uber, 5400 Gray's ave., has been very busy all Spring and says it is the best Spring he ever had. Some fine stock is produced here, principally Geraniums, Cannas and Roses, and the greatest difficulty seems to be in supplying the demand.

Ernest Daras, who died of pneumonia April 6, after three days' illness, was 33 years old. He was born in Brussels and brought up to the florist's business, having started, when very young, with the house of Linden in Brussels. He came here some eight years ago and for the past five was located at 1122 So. 47th st. Mrs. Daras will continue the store and oversee the landscape work until other arrangements are made.

Jos. G. Niedinger, 1513 Germantown ave., is making extensive alterations and taking on additional floor space in order to handle his increasing trade. At this time he is just finishing up a busy season on metal work, of which he has a splendid assortment. The returning travelers report increasing trade in their territories.

Westcott Bros., Ridge and Lehigh aves., have put in a busy time preparing for and handling Decoration Day trade. Several hundred vases and baskets were filled and placed in the cemeteries nearby, and some 30,000 Geraniums were disposed of.

Chas. Kircher, Lehigh av. and Napa st., has all he can attend to in vase, basket and window box work, and his location, opposite Mt. Peace Cemetery, made a busy Decoration Day for him.

Mrs. S. Hickman, 339 Girard ave., has installed a larger ice box, and says trade has been very brisk all the past Spring.

Chas. Kaelker has found his new store at 1029 Girard ave. much better than at 923, and is now very busy. A leader here is hanging baskets.

John A. Ehrler, 2138 Bellevue st., is repainting and making some alterations about his range and reports a considerable increase in landscape work. The store is turning out a large quantity of design work.

Chas. N. Pappas took over the flower stand in Broad st. station about April 1, and reports an excellent trade in cut flowers and funeral work.

J. G. Eisele of 1031 Columbia ave. has recently taken title to the property and will at once commence alterations; a storage vault will be installed in the cellar. The changes now being made by the Reading R. R. near this store will alter the level of the street; a bridge will be laid over the crossing and a $50,000 station erected; when finished this improvement will add greatly to the value of the Eisele property. The past few months business has been of very good character and especially so over Decoration Day. P. M. R.

REVIEW OF THE MARKET

(Continued)

BOSTON, May 31.—In the early part of the week the market was very unsatisfactory, in fact, discouraging. However, Friday and Saturday were record breaking days and very large quantities of flowers were disposed of quickly. The market would even have been better than it was if the call for material came earlier in the week, but every one held back to the last moment and salesmen were rushed to their utmost capacity.

There were large quantities of flowers. Some were of good quality, others almost worthless, through holding over too long. There was a good demand for material of quality but the poor stock was hard to clear.

Roses were quite plentiful and sold at reasonable prices. Richmond, Killarney, Kaiserin, My Maryland, Carnot, Bride and Bridesmaid were all plentiful and sold at from 4c. to 8c.

Carnations went well and were of very high quality for this season of the year. Fresh cut flowers were in great demand and the prices obtained were 2c. to 5c. Poor material sold much cheaper.

There was plenty of Feverfew but it was not all open and the flowers did not look as well. It went at 50c. per bunch. Candytuft was plentiful and also sold at 50c. per bunch. Sweet Peas were plentiful and were in good demand, the prices obtained running from 75c. to $1.50. Cut Spiræa was in demand and in good supply; it sold at from 3c. to 4c. per spray.

Lily of the Valley sold poorly. Stocks were not over abundant and good double flowers went at 3c. to 6c. each. Asparagus, which has been so scarce all Winter came in in great quantities. It seems strange that it should become so plentiful all at once. It sold at 50c. per bunch. All other miscellaneous stock sold well and everything was cleaned up. R. C.

WASHINGTON, N. J.—Vandals recently visited the greenhouses of Alonzo J. Bryan and did damage to the extent of $100 or more.

ALGONA, IA.—August Huenhold, florist, has bought a house and grounds formerly belonging to J. P. Fohlin, and expects to move his greenhouse to the new site.

SOUTH SUDBURY, MASS.—The greenhouses in East Sudbury formerly owned by Coolidge Bros., now conducted by Chester Williams, are to pass into other hands June 1. It is said that one of the former owners is to take possession.

The Book of

Water Gardening

This work supersedes all other books that have previously been written on the subject of aquatics and their surroundings, and gives in full detail all the practical information necessary to the selection, grouping and successful cultivation of aquatic and other plants required in the making of a Water Garden and its environments, and covering all conditions from that of the amateur with a few plants in tubs to the large estate or park.

By PETER BISSET
Expert Aquaticulturist

Beautifully printed on heavy enameled paper, and profusely illustrated with one hundred and twenty halftones, seventeen diagrams and two double page plates.

Price Postpaid, $2.50

A. T. De La MARE PTG. & PUB. CO. Ltd.
2 to 8 Duane St., New York

SPECIAL GRAND Chrysanthemum Offer

1000 OCTOBER FROST or GOLDEN GLOW, out of 2¼-inch pots, $17.50; 500 for $9.00.

	R. C. 100	R. C. 1000	2½-in. pots. 100	2½-in. pots. 1000
WHITE VARIETIES.				
October Frost (500 for $9.00)	$2.00	$15.00	$2.50	$17.50
White Seedling No. 1	5.00	40.00	6.00	50.00
White Seedling No. 2	8.00	75.00	9.00	30.00
Virginia Pochlmann	3.00	25.00	4.00	35.00
Alice Roosevelt	3.00	25.00	4.00	35.00
Alice Byron	2.00	15.00	2.50	20.00
Minnie Wanamaker	2.00	15.00	2.50	20.00
Nonin	2.00	15.00	2.50	20.00
White Bonnaffon	3.00	15.00	2.50	20.00
Yanoma	4.00	30.00	5.00	45.00
John Burton (late)	4.00	30.00	5.00	45.00
Chadwick	3.00	25.00	4.00	35.00
Novelties.				
Lynnwood Hall	5.00	40.00	6.00	50.00
Pres. Taft	10.00		12.00	
Pompon Baby Margaret	10.00		12.00	
YELLOW VARIETIES.				
Golden Glow (500 for $9.00)	2.00	16.00	2.50	17.50
Monrovia	2.00	15.00	2.50	20.00
Appleton	2.00	15.00	2.50	20.00
Maj. Bonnaffon	2.00	15.00	2.50	20.00
Golden Eagle (new)	4.00	35.00	5.00	45.00
Golden Chadwick	3.00	27.00	4.00	35.00
Mrs. W. E. Kelley (new)	10.00		12.00	
Virginia (new)	10.00		12.00	
Baby (Pompon)	5.00		6.00	
PINK VARIETIES.				
Rosiere	2.00	15.00	2.50	20.00
Minnie Bailey	2.00	15.00	2.50	20.00
Dr. Enguehard	2.00	15.00	2.50	20.00
Hankey	4.00	35.00	5.00	40.00
RED VARIETIES.				
Cullingfordii	3.00	25.00	4.00	35.00
Black Hawk	3.00	25.00	4.00	35.00

BEDDING PLANTS

3-inch stock of following: Salvias, Lobelias, Petunias, Ice Pink, Salleroi Geraniums, German Ivies, Thunbergias, and all standard cutting and seedling stock, $3.00 per 100, $25.00 per 1000.

PRINCESS OF WALES VIOLETS, Rooted Runners, $2.00 per 100.

I. M. RAYNER
GREENPORT, N. Y.

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Rooted Cuttings

White: Baby Margaret, Touset, A. Byron, Timothy Eaton, J. Nonin, Ivory, Desjouls.
Pink: Amorita (very early), Glory of the Pacific, M. Dean, Mary Mann, Rosette, P. Ivory.
Yellow: Golden Glow (very early), M. Bonnaffon, Y. Eaton, Cremo, Robt. Halliday, Golden Eagle, Yellow Jones, Golden Baby.

Send for Price List.

WILLIAM SWAYNE, P. O. Box 215, KENNETT SQ., PA.

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Yellow: Golden Glow, Halliday. White: Polly Rose, October Frost, B. May, N. Pockett, Queen, J. Nonin, Ivory, McArthur. Pink: Pacific, Balfour, Enguehard, Enchantress (not Gloria). Rooted Cuttings, of all above, $1.00 per 100, $9.00 per 1000. Golden Glow, from pots, only $2.00 per 100.

Cash.

E. FRYER, Johnstown, Pa.

Please mention the Exchange when writing.

Chrysanthemums

Polly Rose, Dr. Enguehard, 2¼-in., $2.50 per 100, $20.00 per 1000.
ACERATUM, Stella Gurney, 2¼-in., $2.00 per 100.
SMILAX SEEDLINGS, 50c. per 100, $4.00 per 1000.

Cash with order.

C. A. PETERSON, Madison, N. J.

Please mention the Exchange when writing.

CHRYSANTHEMUMS ROOTED CUTTINGS READY NOW

WHITE	Per 100
OCTOBER FROST	$2.00
ESTELLE	2.00
POLLY ROSE	2.00
ROBINSON	2.00
WHITE CHADWICK	3.00
MERRY XMAS	3.00
YANOMA	2.00
MRS. BUCKBEE	2.50

	Per 100
WHITE BONNAFFON	$2.00
SNOW QUEEN	2.50
WHITE IVORY	2.00
C. TOUSET	2.00
PINK	
PINK IVORY	2.00
ROSIERE	2.00
DR. ENGUEHARD	2.00

YELLOW	Per 100
MONROVIA	$2.00
ROBT. HALLIDAY	2.50
GOLDEN BEAUTY	2.50
GOLDEN GLOW	3.00
YELLOW BONNAFFON	2.00
RED	
INTENSITY	2.00
BLACK HAWK	2.00

WIETOR BROTHERS, 51 Wabash Avenue, Chicago, Ill.

Please mention the Exchange when writing.

Chrysanthemums

200,000 Rooted Cuttings Ready Now.

Polly Rose, Pacific, Robinson, Monrovia, Alice Byron, Cheltoni, Ivory, Bonnaffon, Jones, Duckham, Enguehard, Appleton, Eaton, Beatrice May, healthy stock, $1.25 per 100, $10.00 per 1000. Cash with order.

WILLIAM BECKER
Box 48 FARMINGDALE, (L. I.) N. Y.

Please mention the Exchange when writing.

Snow-White Sport of Helen Frick CHRYSANTHEMUM

From 2¼-inch pots	$10.00	per 100
Rooted Cuttings	8.00	" "
Unrooted Cuttings	5.00	" "

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Owing to non-renewal of lease, following stock grown for own use is for sale: 3000 Pacific, 4000 Yellow Bonnaffon, 2000 White Bonnaffon, 1000 Pink Maud Dean, 1000 Enguehard, 1000 Monrovia, at $20.00 per 1000, out of 2-in. pots. Cash with order.

BAY VIEW GREENHOUSES
2300 Flatbush Avenue, BROOKLYN, N.Y.

Please mention the Exchange when writing.

FERNS

Assorted varieties for dishes, strong plants, from 2¼-in. pots, $3.00 per 100; $25.00 per 1000; 3-in., $6.00 per 100.

NEPHROLEPIS Scottii, 7-in., $9.00 per doz.
COCOS Weddelliana, strong plants, from 2¼-in., $10.00 per 100, $85.00 per 1000.
KENTIAS, 2¼-in., $8.00 per 100, $70.00 per 1000.
GERANIUMS, Nutt, Poitevine, Grant, 4-in., $6.00 per 100; 3½-in., $5.00 per 100.
SALVIA Bonfire and Splendens, 2¼-in., $2.00 per 100.
BEGONIA Vernon, 2¼-in., $2.50 per 100; $20.00 per 1000.
FEVERFEW, 2½-in., $2.00 per 100.
DUSTY MILLER, 2½-in., $3.00 per 100.
COLEUS Verschaffeltii, Golden Bedder and mixed, 2¼-in., $2.00 per 100.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

NEPHROLEPIS

WHITMANI, 2½-in., $5.00 per 100; $40.00 per 1000.
MAGNIFICA (new), $25.00 per 100.
BOSTON FERNS, 2½ in. $30.00 per 1000.

Henry H. Barrows & Son,
WHITMAN, MASS.

Please mention the Exchange when writing.

NEW CHRYSANTHEMUM Mrs. Jane Cockburn

EARLY PINK

BLOOMS FIRST WEEK IN OCTOBER.
Beautiful mauve pink. Good keeper and shipper

$6.00 per 100, $50.00 per 1000. Five hundred at one thousand rate. FIRST COME, FIRST SERVED.

SAMUEL COCKBURN & SONS
233d St. and Verio Ave., Woodlawn, - - NEW YORK CITY

Please mention the Exchange when writing.

CHRYSANTHEMUM STOCK

2¼-in. pots.

Our stock plants have been grown in solid benches in one of our best and lightest houses since December 1 last. We have largely increased our stock and can fill all orders promptly. We will quote special prices in 2500 lots.

PINK	Per 100
Glory of Pacific	$2.50
A. J. Balfour	2.50
Maud Dean	2.50
Pink Ivory	2.50
Pacific Supreme	3.00
YELLOW	
Col. Appleton	2.60
Monrovia	3.00
Major Bonnaffon	2.50
October Sunshine	2.50
Yellow Eaton	3.00
Golden Glow	2.60

WHITE	Per 100
Alice Byron	$2.50
Jeanne Nonin	2.50
Ivory	2.25
Mrs. H. Robinson	2.50
Beatrice May	3.00
Polly Rose	2.50
Timothy Eaton	2.50
White Dean	3.00
Yanoma	3.00
CRIMSON	
Black Hawk	2.50
John Shrimpton	2.50

NEWER VARIETIES, $5.00 per 100.
Lynnwood Hall, Mrs. Kahn, Golden Glow, Money Maker, Yellow Miller, President Taft

SINGLES AND POMPONS
Rob Roy, Anna Spangle, Irene Cragg, Quinola, $3.00 per 100.

EDWARD J. TAYLOR, Green's Farms, Conn.

Please mention the Exchange when writing.

MR. FLORIST:—

Do you grow 'Mums, and do you still grow Ivory for your home trade? If so, how would you like a yellow Ivory? I have it. It's a true sport exactly like its parent in all but color.

I can quote you immediate delivery on 2½-inch pot plants at $2.00 per dozen, $15.00 per hundred, $125.00 per thousand.

We have 200,000 plants ready to ship from 2¼-in. pots, at $25.00 per 1000. Col. Appleton, Nellie Pockett, Duckham, Polly Rose and all Standard Varieties.

CHARLES H. TOTTY, Madison, N. J.

Please mention the Exchange when writing.

Chrysanthemums

All the Standard Varieties
POMPONS and SINGLES
$2.00 per 100, $15.00 per 1000
Stock guaranteed true to name

GEO. B. HART
24 Stone St., ROCHESTER, N. Y.

Please mention the Exchange when writing.

100,000 Chrysanthemums

Best Commercial Varieties in clean, well-rooted Cuttings

Price—$2.00 per 100, $15.00 per 1000; 500 at 1000 rates. EARLY WHITE—Opal, Estelle, Oct. Frost, Touset, Ivory, Alice Byron, Miss Clay Frick. LATE WHITE—White Bonnaffon, Thn. Eaton, J. Nonin. EARLY YELLOW—Monrovia, Hilliden, Robt. Halliday. LATE YELLOW—Maj. Bonnaffon, Golden Wedding, Yellow Jones, PINK—Glory of Pacific, Wm. Duckham, Pink Ivory, Maud Dean, Minnie Bailey.

Golden Glow (yellow) and Yellow Eaton, $2.00 per 100, any quantity.

50,000 MARIE LOUISE VIOLETS, sand rooted cuttings, New York Stock, $2.50 per 100, $20.00 per 1000.
10,000 POTTED CANNAS, in 12 best bedding varieties, $5.00 per 100; send for list of sorts.

BENJAMIN CONNELL, MERCHANTVILLE N. J.

Please mention the Exchange when writing.

FLORISTS' 'MUMS

Still a great many good Commercial, Exhibition, Pompons and Singles.

For further particulars see *Stock for Sale, Page 998*

ELMER D. SMITH & CO., Adrian, Mich.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

F. E.—The Best Advertising Medium

A. L. YOUNG & CO., 54 West 28th St., NEW YORK
Telephone, 3559 Madison Square
WHOLESALE FLORISTS Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial
Please mention the Exchange when writing.

NEW YORK, June 1.—The shipment of large numbers of Carnations to Boston and other points last week cleaned up the Carnation market sufficiently, so that the supply and demand by Saturday were better balanced and prices advanced to the extent that Carnations were bringing that day from 3c. to 6c., the latter price only for some very choice blooms, with the prevailing figure at about 4c. for the best grade. The sales at these prices were brisk and large.

The prices of Carnations influenced the prices of the lower grades of Roses also, moving them upward all the way from $1 to $2 per 100, and the cleaning out of these lower grades gave a like uplift to the higher grade of Roses and slightly increased the demand.

The prices of Orchids, Gardenias, Lilies and Callas were not materially affected by the Memorial Day trade. The supply of Lily of the Valley was short, and what there was moved well at $4 per 100 for best grade. Sweet Peas were not very abundant and the quality for the most part was very poor. The demand was fairly brisk and what top grade there was in the market easily sold for $1 and upward per dozen bunches.

Peonies were favorites and realized all the way from 50c. to $1.50 per dozen. They moved off very briskly and sales were large.

Business on Sunday was very quiet, and Monday morning quite disappointing, retrogressing all along the line, back to the prices of the earlier part of last week where they still remain.

Today the best price obtained for American Beauty Roses, specials, is 20c. each, but most sales are made at the $1.50 per dozen price; still the supply now arriving is not large—the demand is slack. Killarney, My Maryland, Bride and Bridesmaid Roses are in fair supply, but they are moving very slowly and 5c. is the top notch price for the best grade. A few choice Richmond are selling for 8c. each but most sales are around the 5c. mark for the best grade.

The cut of Carnations is more than enough to satisfy every demand, and though many blooms of good quality are arriving, best grade flowers are easily obtainable at 3c. each.

Orchids are now arriving in very large quantity and they are moving slowly. Best grade Cattleyas in some small sales may realize 50c. each, but most of them go to the buyer at 30c. and downward. There are not many good Gardenias arriving, but there is practically no demand and the best grade hardly brings $1.50 per dozen, and from that down to unmentionable prices.

Lily of the Valley is shy and is mistress of the market today, selling, top grades, for $4 per 100 or better, with hardly enough to go around. Though the arrival of Lilies is not large they are moving so slowly that 5c. each is about the best price obtainable. The supply of Callas is small, but there is little demand and the best grades are closed out at $1 per dozen.

Sweet Peas are somewhat shy and the quality in general very poor, but such top grade stock as is offered easily brings from $1 to $1.50 per dozen bunches, while the common stands around the 50c. mark.

The market is very full of Peonies, and the quality is fine, probably never better, but the buyers are few and are trying to make their own prices. The best grade is selling at 8c. in small sales, but in large transactions the price is around the 6c. mark, while really good blooms are selling at way down prices.

PHILADELPHIA, May 31.—The influence of Memorial Day began to be felt in the cut flower trade as early as the Thursday and Friday preceding it, in the larger shipments of out of town orders. To this was added the local Memorial Day orders of Saturday, Sunday and Monday morning. There was plenty of everything to satisfy all demands, and no very sharp advance in prices, but the somewhat increased volume of trade helped to clean up stock.

For Memorial Day, which means the business of Saturday to Monday inclusive, American Beauty Roses, specials, showed a slight advance and sold in small quantities for 25c. each. Top grade Killarney and My Maryland in some limited transactions reached the 10c. mark, and Bride and Bridesmaid about the same figure. Richmond reached a little higher mark and sold for 12c. each. Larger sales of all the above named Roses were at a somewhat lower figure. The advance in the lower grades was the most marked, averaging from $1 to $2 per 100. Carnations were favorites, but the supply was sufficient, the prices ranging from 2c. to 6c., but 4c. was the prevailing price for top grades.

Peonies were abundant, and were also in the favorite class, at prices from 4c. to 10c. Lily of the Valley was scarce, with the demand good, and the top grade easily sold for $5 per 100. For other blooms Memorial Day brought no marked change in price.

To-day the supply of American Beauty Roses is only normal, but the specials are selling for 20c. and downward. Killarney is abundant and top grade hardly reaches the 8c. mark and the same is true of Bride and Bridesmaid. Some very choice My Maryland, Kaiserin and Richmond in limited sales have realized 10c. each, but most sales are on a basis of 8c. and under.

The supply of Carnations is moderate and some fancy blooms bring 4c. each, although in most sales 3c. is the highest price obtained. The supply of Orchids is abundant and the demand slack; 30c. to 50c. is the asking price for Cattleyas, with few buyers and most sales at not above 40c. There is a fair supply of Gardenias, but not a strong demand, and $2 per dozen is top notch and from that down. The supply of Lily of the Valley is short and with a fair demand the price for best grade is $5 per 100. Arrivals of Lilies are not large, but enough to satisfy all demands, the best grade realizing 10c. each. There is a short supply of Callas and the best blooms bring $1.50 per dozen.

The arrivals of Peonies are steadily increasing and the quality is good. The best grade is selling for 8c. each. The quality of Sweet Peas now arriving is poor and very few realize $1 per 100, most sales bring around the 50c. mark.

The market is well supplied with Gladioli, of nice quality, which realizes $1.50 per dozen for best grade. Centaurea cyanus and imperialis, Pyrethrum and Ten-Week Stocks are in evidence everywhere, and are moving fairly well.

INDIANAPOLIS, May 31.—Memorial Day business showed up splendidly, when the inferior business of the preceding weeks is considered. Shipping trade began Thursday and until Monday noon there was no cessation from a continuous holiday patronage. The deaths of several prominent citizens at the week's end also caused an unusual amount of flowers to be used for funeral purposes. Crown Hill Cemetery florists all report a record-breaking trade, and nearly all were completely sold out early Monday. The downtown shops, while not faring quite so well, all report the receipts fully up to those of last season.

Stock of all kinds, contrary to general expectation, was plentiful and at no time was there a dearth of any one particular flower. Home grown Peonies began to arrive by the thousand on Wednesday, and many were disposed of at $3 to $4 per 100 wholesale, and 75c. to $1.50 per dozen retail. Syringas, French and Spanish Iris, Poppies and Wiegela were among the outdoor flowers commonly seen. Prices for these varied greatly along uncertain lines.

Carnations generally find some reason for selling, and on Memorial Day moved well. The public demanded many thousands of the divine flowers at 60c., 75c. and $1 per dozen; the wholesale figures were $3 to $3.50 per 100.

The cheaper grade of Roses were disposed of with ease at 75c. to $1.50 per dozen. Fancy Killarney, Richmond and Kaiserin sold little better than on ordinary occasions at double these figures. The same is true of short American Beauty at 75c. to $3 per dozen and the longer ones at $4 to $9 per dozen.

Hotbed stock, such as Ten-week Stocks, Pansies, Candytuft and Mignonette, added materially to the sales, as it is the cheaper grades of flowers that are wanted in quantity. Harrisii Lilies are among the preferable flowers at this time and have found excellent sales at $10 per 100 wholesale, $3 per dozen retail. Callas are few in number at the same price. Canterbury Bells were on hand in unprecedented quantities, but some trouble was experienced in keeping them from spotting. The pink, lavender and purple shades were certainly most beautiful in the conservatory.

Plant sales were not greatly augmented by the Memorial Day demand but nearly all the store men carried a large supply of Hydrangeas, Feverfew, Lilies and bedding plants. I. B.

CHICAGO, May 31.—After the unusual rush of the past three or four days, market conditions have settled down to the natural quietude of the season. Fortunately there is not a large amount of stock coming in, so there is little chance of a surplus. The Memorial Day demand for cut flowers was unprecedented, although if there had been any outdoor stock much would have remained unsold. Carnations were the most sought after and many more could have been sold. This shortage, however, helped to move the Roses, of which there was a great abundance, contrary to the condition existing generally when flowers are in heavy demand. Prices held stiffly on all stock, but on Monday afternoon Roses suffered a decline in order to effect a clearance. Peonies were a disappointment in regard to quantity; many felt that there were plenty in cold storage, but this was not so, as there was a shortage at all points. Lilies moved off nicely, Harrisii meeting with the greatest demand. Other stock moved off nicely.

ST. LOUIS, May 30.—The market all of last week was in excellent condition, but stock of all kinds was entirely too plentiful during the first five days of this week. The prices were low and local retailers expected prices would be right for Memorial Day. But lo, and behold, the commission men doubled up on them and it looked as if they were trying to see which could sell at the highest price.

The stock came in in big lots, not a bit scarce, and hardly any reason for putting up the price on May 28, 29, and 30. The poor retailer, however, had to stand for it as he had orders to fill for shipping on Sunday and for the local trade on Monday. It's a plain case of killing the goose that lays the golden egg.

Memorial Day is not like Christmas, but we had to pay Christmas prices just the same. The following are the wholesale quotations for May 28 to 30. Roses, from $5 to $8 per 100; American Beauty, from $4 to $6 per doz. for long fancy; shorts, from $1 to $1.50 per doz.; Carnations, fancy, from $5 to $6 and some $8 per 100; Sweet Peas, $5 to $7.50 per 1000 for fancy, and 35c. to 40c. per 100 for shorts. Peonies, $4 to $6 per 100; Lilies, $10 to $12.50; Lily of the Valley, $3 to $4; Cape Jasmine, $1 to $1.50 per 100; field Daisies, 50c. per 100. A decided drop from these prices is expected this week. ST. PATRICK.

Newcastle, Ind.

Heller Bros. are cutting some very fine American Beauty Roses. Other Roses also are in nice shape. The variety Mme. Abel Abel Chatenay is still being grown here.

Wm. Dittman is cutting a good supply of special American Beauty Roses for the Chicago market.

At Weiland & Olinger's a good crop of Carnations is on. Pete Weiland has just returned from Hot Springs, where he went to benefit his health.

Otto Benthey of the Frederick J. Benthey Co. has been very busy with bedding stock. The firm is growing a stock of plants for retail trade.

PECKVILLE, PA.—The new greenhouse of W. J. Broad is completed and in operation.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager Consignments Solicited
41 West 28th Street, Telephone 5237 Madison Square NEW YORK
Please mention the Exchange when writing.

For JUNE WEDDINGS
Valley, Sweet Peas, Kaiserin
Augusta Victoria, Beauties,
Richmonds, etc.
Fine Peonies and all outdoor stock.
There is no DULL SEASON with us; we want Summer stock of all kinds.
Henshaw & Fenrich
WHOLESALE FLORISTS
51 WEST 28th STREET
Phones 325-5582-5583 Madison Square NEW YORK
Please mention the Exchange when writing.

J. K. ALLEN
COMMISSION DEALER IN CUT FLOWERS
Established 1887 106 West 28th Street, New York (NEAR 6th AVENUE ELEVATED R. R.)
Consignments of all varieties of Cut Flowers solicited.
Returns made daily where requested.
Best prices. Prompt payments.
Telephones 167 and 4468 Madison Square
Open 6 o'clock every morning
Please mention the Exchange when writing.

C. BONNET G. H. BLAKE
BONNET & BLAKE
Wholesale Florists
130 Livingston St., BROOKLYN, N. Y.
Telephones: 1393-1394 Main
We solicit consignments of cut flowers, especially of good ordinary carnations; prompt returns and payments. Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Avenue and 26th Street
COOGAN BUILDING, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary

M. C. FORD
Successor to Ford Bros.
Wholesale Florist
121 West 28th Street,
NEW YORK
Telephones, 3870—3871 Madison Square

GREATER NEW YORK FLORIST ASSOCIATION, Inc.
Wholesale Commission Dealers in Cut Flowers and Supplies
162 LIVINGSTON STREET, BROOKLYN, N. Y.
GEORGE W. CRAWBUCK, Manager

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
110 West 28th Street
Phone, 861 Madison Square NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888

Phone 2336 Mad. Sq.
Greenhouses: FOREST HILL, N. J.
KESSLER BROS.
WHOLESALE
PLANTSMEN & FLORISTS
450 Sixth Avenue, NEW YORK

WILLIAM H. KUEBLER
Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby Street
Tel. 4591 Main BROOKLYN, N. Y.

Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
55 West 28th Street, NEW YORK
Telephones 4626, 4627 Mad. Sq. Established 1891.

GEORGE SALTFORD
Wholesale Florist
CONSIGNMENTS SOLICITED
43 West 28th Street, New York
Telephone: 3393 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York.

B. S. Slinn, Jr.
WHOLESALE FLORIST
55 & 57 West 26th St., New York
VIOLETS CARNATIONS AND ROSES
Shipping orders receive prompt attention
Telephone: 3864 Madison Square.

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 and 133 West 28th Street, New York
and Cut Flower Exchange
Telephones: 798 and 799 Madison Square
Consignments Solicited

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664--1665 MADISON SQUARE
ENOUGH SAID

PHILIP F. KESSLER Commission Dealer in Cut Flowers
Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
55 & 57 W. 26th St., New York City
FINEST CALLAS AND LILIES EVERY DAY IN THE YEAR
Tel. 5243 and 2921 Madison Square. Residence, 345 J. Newtown.

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephone, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, June 1st, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	12.00 to 20.00
" extra	8.00 to 10.00
" No. 1	5.00 to 8.00
" No. 2	3.00 to 5.00
" No. 3	2.00 to 3.00
Killarney	.50 to 5.00
White Killarney	.50 to 5.00
My Maryland	.50 to 6.00
Richmond	1.00 to 8.00
Mme. Abel Chatenay	.... to ....
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	3.00 to 5.00
" extra	2.00 to 3.00
" No. 1	1.00 to 2.00
" No. 2	.50 to 1.00
Adiantum	.... to 1.00
Croweanum	.... to 1.00
Antirrhinum (per bunch)	.50 to 1.50
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.15 to .25
Sprengeri, bunches	.15 to .25
Bouvardia	.... to ....
Callas	4.00 to 8.00
Daffodils	.... to ....
Daisies	.60 to 1.50
Ferns, per 1000	1.50 to 2.00
	.... to ....
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.75 to 1.00
Standard Varieties: White	1.00 to 1.50
Standard Varieties: Pinks	1.00 to 1.50
Standard Varieties: Red	1.00 to 1.50
Standard Varieties: Yel. & Var.	1.00 to 1.50
Fancy (The highest grades of Sta'd varieties): White	2.00 to 3.00
*Fancy: Pinks	2.00 to 3.00
*Fancy: Red	2.00 to 3.00
*Fancy: Yel. & Var.	2.00 to 3.00
Novelties	.... to ....
Gardenias, per doz.	.50 to 1.50
Lilacs, per bunch	.... to ....
Lilies, Harrisii and Longi.	2.00 to 5.00
Lily of the Valley	2.00 to 4.00
Mignonette, per doz.	.10 to .25
Narcissus	.... to ....
Orchids, Cattleyas	20.00 to 50.00
Cypripediums, per doz.	.... to ....
Dendrobium Formosum.	.... to ....
Pansies, per doz. bunches.	.... to ....
Poinsettias, per doz.	.... to ....
Hyacinths	.... to ....
Smilax (per doz. strings)	1.50 to 2.00
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.50 to 1.50
Tulips	.... to ....
Iris	1.50 to 2.00
Peonies	3.00 to 8.00

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Wholesale Florist
Tel. 3532-3533 Mad. Sq. 131 and 133 WEST 28th ST., NEW YORK
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TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE

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JUNE 15th
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TO
THIRD FLOOR
COOGAN BLDG.
55-57 West 26th Street
NEW YORK CITY

SAME FLOOR AS
NEW YORK CUT FLOWER EXCHANGE
26th STREET SIDE

As usual, all Cut Flowers in season.
Finest Callas and Lilies every day in the year.

OPEN 5 A. M. to 6 P. M.
SUNDAY UNTIL 10 A. M.
TELEPHONE 5243 MADISON SQ.

PHILIP F. KESSLER

Prices Advertised in these Columns are for THE TRADE ONLY—

New York

The New York Cut Flower Co., Coogan Building, West 26th st. announces that it will close during June at 3 p.m. and during July and August at 1 p.m. This company is now receiving the cut of Peonies from Cottage Gardens in a large number of named varieties, among which at present are Duchess de Nemours, Festiva maxima, Reine Victoria, Mons. Jules Elie, General Bertrand, Alexandriana, Grandiflora nivea, Madame Caste, Madame de Verneville, etc. To a prospective purchaser of Peony roots an excellent opportunity is here offered to see the blooms of the different varieties.

The marriage of Miss Lucia Burton to J. Morgan Wing, both of New York City, was celebrated at Newburg-on-the-Hudson, on Saturday, May 28. The decorations were furnished by Myer, 609-611 Madison ave. The church was trimmed with arches of mountain Laurel, and the house with Weigela, Syringa, Dogwoods and Laurel, a shell canopy of the latter and white Roses being erected, under which the hosts received. The bride carried a bouquet of Bride Roses, showered with Phalænopsis amabilis. The bridesmaids carried parasols trimmed with Apple blooms and green chiffon. The boutonnières were of Gardenias.

Fleischman, Fifth ave. and 42d st. had the family and Trust Co. orders for the funeral of Charles C. Dickinson, 853 Fifth ave., the well-known banker and ex-president of the Carnegie Trust Co., who was buried May 26. Besides many beautiful large wreaths and crosses was a casket cover made entirely of Orchids and Lily of the Valley.

In one of the store windows of J. H. Small & Sons, 1153 Broadway, is a very artfully contrived and artistic display. A pond with shrub and moss-covered borders, in which are rocky islands covered with grass and shrubs, is filled with Pond Lilies of various colors; and on one moss-covered corner are six live, downy ducklings, which divide their time between eating, swimming and sleeping. By an ingenious arrangement of mirrors this pond appears in duplicate, and one may hear the groups of passers who stop before this window arguing the question as to whether there are only six ducks or an even dozen. This firm handles Water Lilies throughout the season.

Kervan & Co., 113 W. 28th st., report that their trade in greens for Memorial Day was the largest in their experience.

A. Moltz and Maurice L. Glass announce that on and after July 1, 1910, the premises on the first floor of the Coogan Building will be tenanted entirely by A. Moltz & Co.

The regular monthly meeting of the N. Y. Cut Flower Exchange will be held at Long Island City, in the Anable Building, 24-26 Jackson ave., at 3 p.m., June 4.

Moore, Hentz & Nash, Coogan Building, 26th st., are receiving some fine Cattleya Mossiæ from the establishment of Frank L. Moore at Chatham, N. J.

The Growers' Cut Flower Co., 41 West 28th st., is receiving a nice cut of Peonies from one of their Long Island growers.

Philip F. Kessler, Coogan Building, W. 26th st., is receiving some of the best Stocks now coming into the New York market.

Charles A. Dards, 341 Madison ave., is offering some excellent Bay trees and Boxwoods.

Kessler Bros., 50 W. 28th st., will take temporary quarters at 450 Sixth ave., between 27th and 28th sts. This firm has just acquired several acres of land in Secaucus, N. J., near the Town Hall, where in the near future they expect to erect greenhouses. They have just received, by the Kroonland, a large importation of Bay trees and Phœnix Palms. Other importations will soon follow.

Robert Craig, Jr., and Duncan MacCaw of Philadelphia were in town on Friday, taking a look at the New York plant trade. E. Gurney Hill and John Evans of Richmond, Ind., were visitors on Tuesday en route to Europe, and sailed on Wednesday.

John Miesem of Elmhurst, L. I., his wife and two children, and George Golsner and wife of College Point, L. I., sailed for Europe on Wednesday on a trip covering several weeks. Mr. Miesem entertained a party of his florist friends at his residence on Monday evening, who had assembled to wish the party *bon voyage*.

The Astoria bowlers had an enjoyable meeting at their alleys on Tuesday evening last. Considerable enthusiasm was evident in the bowling, although few high scores were made. The Club expects to send a strong team to Rochester to compete in the S. A. F. tournament.

Secretary John Young of the N. Y. Florists' Club has mailed to the members a copy of the rules governing the competition for the Hitchings Cup of Merit. It is expected that a number of exhibits will be made at the next Club meeting, on the evening of June 13, in the first stage of the competition. On the same evening Geo. V. Nash of the N. Y. Botanical Garden will give an illustrated lecture entitled "On Horseback through Hayti." Chairman J. B. Nugent of the house committee will dispense hospitality befitting the last meeting prior to the Summer vacation. A final report on the proposed plant and flower market under Queensboro Bridge is also expected to be made on that evening, also a detailed report from Chairman Harry A. Bunyard of the outing committee, covering the outing to Witzel's Point View Grove on June 28.

John I. Raynor, 49 West 28th st., will retire from business June 6. Mr. Raynor for twenty years has been in the wholesale commission business for himself and has been for thirty-four years in all connected with the cut flower trade. P. J. Smith who has been with Mr. Raynor for eighteen years will continue the business.

E. Bonnot, of Bonnot Bros., N. Y. Cut Flower Exchange, sailed for Europe on Wednesday on the Adriatic for his annual vacation trip. He will visit England, Scotland and France during his trip.

Boston

Memorial week was exceeding dull at the outset, indeed, very little business was done of any kind, but on Friday and Saturday a decided change came, with the result that enormous quantities of very fine flowers were disposed of at very good prices. Memorial Day is one when the florists of Boston sell more cut flowers than at any other holiday of the year. In the beginning of the week florists began to lose courage, but now they are all happy and report fine business.

Norris Comley of Lexington had a splendid cut of Sweet Peas from his three large houses wholly devoted to this crop and his cut almost reached the 100,000 mark. He had also a very large cut of Carnations which were of extra good quality. He is getting stock ready to devote all his houses to Carnations another year.

Simpson of Woburn had the finest lot of Stocks that were sent to the market, and his cut went up into the thousands.

The National Flower Show committee met at Horticultural Hall on Wednesday, May 25, with most of the members present. The chief business transacted was deciding on the hall where the show is to be held. Mechanic's Building on Huntingdon ave. is the place selected. The committee appointed Chester J. Campbell as manager and secretary. Mr. Campbell has had large experience in this line of work and it may be expected that the exhibition will be a success in his hands. He has managed automobile shows, in fact all kinds of exhibitions, and they have been always successful.

Thomas Roland of Nahant had a splendid house of Candytuft for Memorial Day. He cut 26,000 sprays and disposed of them at a very good price. Mr. Roland gave much of his valuable time to the Orchid exhibition, although no doubt it was hard for him to spare it at this time.

The Waban Rose Conservatories had an extra fine cut of Roses for their customers for Memorial Day. Their vase of White Killarney Roses attracted much attention at the Orchid exhibition, the same showing very high culture and being much admired.

The imported Phalænopsis plants from the MacRorie-McLaren Co. of San Francisco, Cal., at the Orchid exhibition were particularly commented upon by Orchid experts, as regards quality and size of plants.

Robert Montgomery, Jr., is to be married on Wednesday, June 1, and is to spend his honeymoon visiting Washington, Philadelphia and New York. He is salesman for Joseph Breck & Son and is a great favorite. All his friends wish him joy and happiness for many years to come.

W. H. Elliott of Brighton had an enormous cut of flowers for Decoration Day, and although in the beginning of the week his salesmen were rather discouraged, before the end of the week they did more than the usual business and disposed of 250,000 Roses, also large quantities of Asparagus Sprengeri and plumosus.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee June 1, 1910	Pittsburgh Jun. 1, 1910	NAMES AND VARIETIES	Boston May 31, 1910	Detroit Jun. 1, 1910	Cincinnati May 30, 1910
to 25.00	18.00 to 20.00	Roses—A. Beauty, fancy—special	20.00 to 30.00	25.00 to 30.00	to 25.00
15.00 to 18.00	10.00 to 15.00	" extra	10.00 to 16.00	20.00 to 25.00	to
10.00 to 12.50	6.00 to 8.00	" No. 1	4.00 to 8.00	15.00 to 20.00	to
4.00 to 8.00	to 3.00	" No. 2	2.00 to 6.00	4.00 to 10.00	to 2.00
to 8.00	to	Killarney	3.00 to 8.00	to	2.00 to 6.00
to 8.00	to	White Killarney	3.00 to 8.00	to	2.00 to 6.00
to	3.00 to 8.00	My Maryland	2.00 to 8.00	4.00 to 10.00	4.00 to 6.00
4.00 to 10.00	to	Richmond	2.00 to 8.00	4.00 to 10.00	4.00 to 6.00
4.00 to 6.00	to	Perle	to	to	to
to	to	Golden Gate	to	to	to
4.00 to 8.00	2.00 to 8.00	K. A. Victoria	to	4.00 to 10.00	to
to 8.00	to 8.00	Bride, Maid, fancy—special	to 6.00	8.00 to 10.00	to 6.00
to 6.00	to 6.00	" extra	2.00 to 4.00	6.00 to 8.00	to 3.00
to 4.00	to 4.00	" No. 1	to	4.00 to 6.00	to
to 2.00	to 2.00	" No. 2	to	to	to
to 1.00	1.00 to 1.50	Adiantum	1.00 to 1.50	1.00 to 1.50	to
to 30.00	25.00 to 50.00	Asparagus, Plumosus, bunches	to 50.00	30.00 to 60.00	to 10.00
to 30.00	10.00 to 30.00	" Sprengeri, bunches	to 50.00	30.00 to 50.00	to
to	to	Bouvardia	to	to	to
to	to	Callas	to	12.50 to 16.00	to
to	to 1.00	Carnations—Inferior grades, all colors	to	to	to
to 2.00	to 1.50	Standard Varieties: White	2.00 to 4.00	3.00 to 4.00	2.00 to 3.00
to 2.00	to 1.50	Standard Varieties: Pink	2.00 to 4.00	3.00 to 4.00	2.00 to 3.00
to 2.00	to 1.50	Standard Varieties: Red	2.00 to 4.00	4.00 to 5.00	1.50 to 2.00
to 2.00	to 1.50	Standard Varieties: Yellow and var.	2.00 to 4.00	to	to
3.00 to 4.00	2.00 to 3.00	*Fancy (*The highest grades of Std'd vars.): White	2.00 to 4.00	4.00 to 5.00	to
3.00 to 4.00	2.00 to 3.00	*Fancy: Pink	2.00 to 4.00	4.00 to 5.00	to
3.00 to 4.0	2.00 to 3.00	*Fancy: Red	2.00 to 4.00	5.00 to 6.00	to
3.00 to 4.00	2.00 to 3.00	*Fancy: Yellow and var.	2.00 to 4.00	1.00 to 1.50	to
.50 to .75	1.00 to 1.50	Daisies	.50 to 1.00	to	to .50
to .30	to	Ferns, hardy	to	to .20	to
to .20	to	Galax, green and bronze	to	to .12	to
to	to	Gardenias, per doz.	to	to	to
to	to	Gladiolus	to	3.00 to 4.00	to
12.50 to 18.00	8.00 to 10.00	Lilies, Harrisii and Longi	to	12.50 to 15.00	to
to 3.00	to	Lily of the Valley	to	3.00 to 4.00	to
to	2.00 to 4.00	Mignonette	to	4.00 to 8.00	to
to	20.00 to 40.00	Orchids—Cattleyas	30.00 to 40.00	to	to
to	to	Cypripediums	to	to	to
to 1.00	to .50	Pansies, per doz. bunches	to	1.00 to 1.50	to
to 6.00	3.00 to 6.00	Peonies	to	4.00 to 10.00	to 4.00
to 1.50	1.50 to 2.00	Smilax, (per doz. strings)	to	to 1.50	to
.75 to 1.00	.25 to 1.00	Sweet Peas	.75 to 1.50	.50 to 1.00	.35 to .50
to	to	Tulips	to	3.00 to 4.00	to
to	to		to	to	to
to	to		to	to	to

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SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

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131 East 3rd St. CINCINNATI, O.

All Cut Flowers in Season

I Sell Heller Bros. Roses

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Illustrated Catalogue for the asking.

Get your order in now for

HANGING BASKETS

The Best—The Strongest—The Cheapest

Green Sheet Moss, $1.00 per Bundle

Sphagnum Moss, $1.00 per Bale

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GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

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Please mention the Exchange when writing.

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WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

Headquarters of Western Pennsylvania Growers

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There will be a good demand for good flowers in June and we can give you the choicest of all seasonable stock.

CATTLEYAS
Large Blooms
$6.00 per dozen.

VALLEY
Fancy $1.00 per 100.
First $3.00 per 100.

PEONIES
$5.00 per 100. Good Stock $6.00-$8.00 per 100.
Big supply of all the best varieties.

SWEET PEAS
75c.-$1.00 per 100.
White, Pink and Lavender.
Desirable stock.

BRONZE AND GREEN GALAX
$7.50 per case. $1.00 per 1000.
They are the best in quality.

NEW DAGGER FERNS
$1.00 per 1000.
Nearby stock. No waste.

THE LEO NIESSEN CO.,
Wholesale Florists
1209 Arch Street
PHILADELPHIA
Open from 7 A.M. to 8 P.M.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore May 30, 1910	Buffalo May 30, 1910	NAMES AND VARIETIES	Phil'delphia May 31, 1910	St. Louis May 30, 1910
25.00 to 30.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	15.00 to 20.00	20.00 to 25.00
15.00 to 20.00	15.00 to 20.00	" extra	10.00 to 15.00	12.50 to 15.00
10.00 to 12.50	8.00 to 10.00	" No. 1	8.00 to 10.00	8.00 to 10.00
5.00 to 6.00	2.00 to 4.00	" No. 2	3.00 to 6.00	3.00 to 4.00
4.00 to 6.00	3.00 to 10.00	Killarney	2.00 to 6.00	4.00 to 6.00
4.00 to 6.00	3.00 to 10.00	White Killarney	2.00 to 8.00	4.00 to 6.00
3.00 to 8.00	3.00 to 10.00	My Maryland	2.00 to 10.00	4.00 to 6.00
3.00 to 7.00	3.00 to 10.00	Richmond	2.00 to 10.00	... to ...
3.00 to 5.00	... to ...	Perle	3.00 to 6.00	... to ...
3.00 to 7.00	... to ...	Golden Gate	... to ...	... to ...
3.00 to 7.00	... to ...	K. A. Victoria	3.00 to 10.00	... to ...
... to 7.00	... to 8.00	Bride, 'Maid, fancy—special	6.00 to 8.00	3.00 to 6.00
... to 6.00	6.00 to 8.00	" extra	4.00 to 6.00	... to ...
4.00 to 5.00	4.00 to 8.00	" No. 1	3.00 to 4.00	3.00 to 4.00
2.00 to 4.00	2.00 to 4.00	" No. 2	2.00 to 3.00	2.00 to 3.00
... to 1.00	1.25 to 1.50	Adiantum	1.00 to 1.50	... to 1.50
25.00 to 50.00	... to ...	Asparagus, Plumosus, bunches	35.00 to 60.00	... to ...
25.00 to 50.00	... to ...	" Sprengeri, bunches	35.00 to 50.00	... to ...
... to 2.00	... to ...	Bouvardia	... to ...	... to ...
8.00 to 10.00	8.00 to 12.00	Callas	6.00 to 12.00	... to ...
1.00 to 1.60	1.60 to 2.50	Carnations—Inferior grades, all colors	1.00 to 1.50	... to ...
1.50 to 2.00	1.50 to 2.50	Standard Varieties: White	1.50 to 2.00	2.00 to 3.00
1.50 to 2.00	1.50 to 2.50	Standard Varieties: Pink	1.50 to 2.00	2.00 to 3.00
1.50 to 2.00	1.50 to 2.50	Standard Varieties: Red	1.50 to 2.00	2.00 to 3.00
1.50 to 2.00	1.50 to 2.50	Standard Varieties: Yellow and var.	1.50 to 2.00	... to ...
... to 2.50	... to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	2.00 to 4.00	3.00 to 4.00
... to 2.50	... to 3.00	*Fancy: Pink	2.00 to 4.00	2.50 to 3.00
... to 2.50	... to 3.00	*Fancy: Red	2.00 to 4.00	3.00 to 4.00
... to 2.50	... to 3.00	*Fancy: Yellow and var.	2.00 to 4.00	... to ...
... to ...	1.00 to 2.00	Daisies	1.00 to 1.50	... to ...
... to ...	... to .25	Ferns, hardy	.20 to .25	... to ...
... to ...	... to .15	Galax, green and bronze	... to .10	... to ...
10.00 to 12.50	1.80 to 3.00	Gardenias, per doz.	.50 to 2.00	... to ...
4.00 to 6.00	... to ...	Gladiolus	3.00 to 12.00	... to ...
8.00 to 12.50	10.00 to 12.50	Lilies, Harrisii and Longi	6.00 to 10.00	8.00 to 10.00
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 5.00	3.00 to 4.00
2.00 to 3.00	1.00 to 3.00	Mignonette	1.00 to 3.00	... to ...
... to ...	... to ...	Orchids—Cattleyas	30.00 to 50.00	... to ...
... to ...	... to ...	Cypripediums	... to ...	... to ...
... to .50	.20 to .50	Pansies, per doz. bunches	... to ...	... to ...
3.00 to 5.00	5.00 to 8.00	Peonies	3.00 to 8.00	... to ...
... to 2.00	... to 1.50	Smilax, (per doz. strings)	1.50 to 2.50	... to ...
.40 to .60	.50 to 1.00	Sweet Peas	.50 to 1.00	.25 to .50
... to ...	1.00 to 3.00	Tulips	... to ...	... to ...
... to ...	... to ...		... to ...	... to ...
... to ...	... to ...		... to ...	... to ...

WE ARE NOW BOOKING ORDERS FOR

BEGONIA LORRAINE
BEGONIA LORRAINE LONSDALE
BEGONIA AGATHA

JUNE DELIVERY

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be **twice shifted.** Orders filled in rotation. 2½-in. pots, $15.00 per 100, $140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

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PAEONIES

Mostly White (Festiva Maxima), and some of the delicate Pinks, very showy, splendid large blooms—
$8.00 per 100.

RIBBONS

Some of the choicest novelties, exclusive patterns, an endless variety to choose from.

SUPPLIES OF ALL KINDS

Catalogue on request

A price list of all cut flowers is issued every Saturday. If you are not on the list let us have your name.

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The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St. Philadelphia, Pa.
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For Roses, Carnations,
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Dealers in Florists' Supplies and Wire designs
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Give us a trial—We can please you

EDWARD REID
Wholesale Florist
Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.
Our usual quality (the best)
1526 Ranstead St., Philadelphia, Pa.
Please mention the Exchange when writing.

Robert Craig of Philadelphia was a visitor at the Orchid show. He was perfectly satisfied and thought it was the greatest exhibition of flowers and plants ever held in this country.

George Watson, the lively critic from Philadelphia, was perfectly satisfied and thought he got his money's worth by coming to Boston.

Although we are all tired and fatigued after the strenuous work attached to the exhibition we feel satisfied that it was a great success, from the beginning to end, and the financial part is quite satisfactory also. We have yet to see the person who did not think it was the greatest exhibition ever held in this country.

The next field day of the Gardeners and Florists' Club will be Saturday, June 4, and all members are requested to take surface cars at Scollay Square at 1.30 p.m. for William Sim's establishment at Cliftondale.

J. T. Butterworth of Framingham has disposed of large quantities of Spiræa Gladstone, which is a fine keeper and excellent for cutting.

It would be almost useless to give a list of the visitors that were in Boston this week. They came from almost every State in the Union. From New York, Philadelphia, Washington and Chicago they came in great numbers. We extend to all of them our most sincere thanks for their presence and we hope they were all satisfied with what they saw.

We are much indebted to the New Jersey growers for the great interest they took in our exhibition and they can be fully assured that we all feel very grateful to them and perfectly pleased that they carried back to their State the most coveted prizes. We wish them all much success and prosperity.

Paul E. Richwagen of Needham had an extra fine crop of Candytuft for Decoration Day. It came to the market with all its flowers open, and that was more than the stock of some of the growers did.

W. D. Howard of Milford had a fine lot of well-grown Carnations for Decoration Day, which were quickly disposed of.

William Nicholson of Framingham had a fine cut of Feverfew for his customers on the holiday. It was as good as any seen in the market.

J. M. Cohen, salesman at 2 Park st., sold 30,000 Stocks for Decoration Day.

The engagement of Robert O'Connor, manager to Martin Tuohy, the South Boston florist, to Delia Doherty, bookkeeper at the same establishment, has been announced and it has proved a great surprise to his many friends.

The baseball team of the Boston Market at 1 Park st. is going to Madbury, N. H., June 4, to play the men at W. H. Elliott's establishment. The boys at the market expect to have a strenuous time to beat the Madbury men.

Paul Burke, of the Boston Plate Glass Co., has been on the sick list for a week, with neuralgia. His friends wish him speedy recovery.

At Park st. Market No. 1 a pump is this week being installed to get rid of the waste water which accumulates from the ice used.

All the wire frame manufacturers were so busy before Decoration Day that they stopped taking orders last Friday. They worked from 4 a.m. to 12 at night for several days and then could not catch up with their orders.

A. S. Parker of Stoneham had a wonderful crop of Sweet Peas, and the men at 1 Park st. claim that they are the best Sweet Peas ever seen at the market. They were all Spencers and the quality was wonderfully good.

Lew Smith of Tewksbury had last week a splendid cut of yellow Marguerites. They were especially fine for this season and they found ready sale.

The retail stores are especially well pleased with the business they did for Decoration Day. They disposed of immense quantities of flowers, and plants went also quite well. The wholesale men did a very large business in flowers and other goods and it is pleasing to report that every one is pleased with the business done last week. R. C.

Long Distance Phone, Central 8004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

Please mention the Exchange when writing.

HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

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Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

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"The Busiest House in Chicago"

J. B. DEAMUD CO.

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All telegraph and telephone orders given prompt attention.

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Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

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All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, May 31, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	3.00 to 4.00
30-inch stems.. "	.... to 3.00
24-inch stems.. "	2.50 to 3.00
20-inch stems.. "	.... to 2.00
18-inch stems.. "	.... to 1.50
12-inch stems.. "	.... to 1.00
8-in. stems and shorts "	.... to .75
Killarney	4.00 to 6.00
" extra	.... to 8.00
White Killarney	.... to 8.00
Richmond	6.00 to 8.00
My Maryland	5.00 to 8.00
Bride, Maid, fancy special	5.00 to 7.00
" extra	5.00 to 6.00
" No. 1	.... to 3.00
" No. 2	.... to 2.00
Perle	5.00 to 6.00
Chatenay	4.00 to 6.00
Kaiserin	5.00 to 7.00
Uncle John	.... to 6.00
Mrs. Marshall Field	.... to 6.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Calla Lily	12.50 to 15.00
Chrysanthemums, doz.	.... to ....
" fancy doz.	.... to ....
Corn Flowers	.75 to 1.00
Daisies	.... to ....

CARNATIONS	
Standard Varieties: White	2.00 to 2.50
Standard Varieties: Pink	2.00 to 2.50
Standard Varieties: Red	2.00 to 2.50
Standard Varieties: Yel. and Var.	.... to ....
*Fancy: White	3.00 to 4.00
*Fancy: Pink	3.00 to 4.00
*Fancy: Red	3.00 to 4.00
*Fancy: Yel. and Var.	.... to ....
* The highest grades of Sta'd varieties	
Ferns, hardy, per 1000	.... to 3.00
Galax (green)	.... to 1.00
" (bronze)	.... to 1.00
Gardenias	20.00 to 30.00
Iris	2.00 to 3.00
Lilies, Harrisii and Longi.	12.00 to 15.00
Lily of the Valley	3.00 to 4.00
Mignonette	2.00 to 4.00
Narcissus—Paper White	.... to ....
Orchids—Cattleyas	50.00 to 60.00
" Cypripediums	15.00 to 20.00
Pansies	.... to .50
Peonies	4.00 to 8.00
Smilax	12.00 to 15.00
Sweet Peas	.75 to 1.50
	.... to ....
Violets, single	.... to ....
" double	.... to ....
	.... to ....
	.... to ....
	.... to ....
	.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

Philadelphia

The sale of bedding plants for Memorial Day is reported by all growers and dealers to have been very large, amounting in many cases to a complete cleanup of everything ready for sale. This sale really began many days in advance, and continued right up into Memorial Day itself.

Alphonse Pericat, who will read the paper on Orchids at the meeting of the Florists' Club next Tuesday night was among the visitors at the Orchid show at Boston.

Robert Craig Sr., who attended the Orchid show thinks that it was the greatest and best exhibition of Orchids ever given in this, and perhaps in any other country. In addition to the exhibits which won the larger prizes, Mr. Craig was much pleased with the exhibit of Mr. Roebling, a private grower of Trenton, N. J., and with the "very tastefully arranged group" of W. A. Manda of South Orange, N. J., and "the exquisite small group" put up by Joseph A. Manda.

Henry A. Dreer, 714 Chestnut st., gave an exhibition of perennial blooming plants, etc., at the meeting of the Ladies' Garden Club of the Penna. R. R. Main Line, on the grounds of the Merion Cricket Club at Haverford, Pa., May 28.

The S. S. Pennock-Meehan Co., W. E. McKissick & Bros., Leo Niessen Co. and other wholesalers report a good Memorial Day business.

The S. S. Pennock-Meehan Co. is receiving some fine Festiva maxima Peonies, and reports that the Rose White Killarney is making a good showing as a warm weather Rose.

The Robt. Craig Co. reports good Memorial Day sales, especially in Geraniums and Salvias. The company has begun shipping Begonia Lorraine; and 7-in. Scottii Ferns are now ready for delivery. Its fine stock of Cyclamen is especially worthy of note. An interesting feature at the establishment is 1000 seedling Crotons, some of which are very promising.

Mrs. R. L. Henderson of Millville, N. J., will sell her greenhouses and store, and go to Porto Rico to engage in the fruit growing business.

Miss Gertrude Long Gimbel, daughter of Mr. and Mrs. Charles Gimbel, was married to Edwin Dannenbaum at the home of her parents, on Tuesday, May 31, Dr. Joseph Krauskopf officiating. A large reception followed at Horticultural Hall on Broad st. J. Wolf, Jr., 1617 No. 19th st., furnished the decorations. The hall was very elaborately decorated to give a garden effect. Large trees, in tubs, were freely used, and there was a profusion of large Palms and Cibotium Ferns. Large pink Hydrangeas were used throughout the hall, and on the many tables spread for the wedding dinner were placed great vases of white Peonies, standing in bowls of yellow Daisies. Wreathings of Smilax were used at appropriate positions. The garden scheme was well carried out and the effect very pleasing.

The following were visitors in town recently: Mr. Edwards of Bridgeton, N. J.; Mrs. John Andra, Doylestown, Pa.; J. B. Coles, Woodstown, N. J.; M. Keller of J. B. Keller & Sons, Rochester, N. Y.; and E. G. Hill of Richmond, Ind.

Chicago

Memorial Day Business

The usual Memorial Day weather prevailed. The day opening with a raw Spring wind and occasional showers, but in spite of these unfavorable weather conditions it is declared by one and all in the florist business to have been the greatest Memorial Day on record, as far as business is concerned. The one line that was a little disappointing was that covering plants, the weather continuing so cold people did not deem it advisable to do as much planting as is usual. There was no surplus flowers of any description; in fact, there was a shortage in Peonies and Carnations. Roses were the most plentiful of any stock, the prices holding stiff until late on Monday when they fell a little in order to move all remaining stock. Stock in nearly all instances was remarkably fine, although the "held-overs" were easily detected. The principal demand from all quarters was for Carnations, not only in the shipping trade but for local calls also. No matter how far behind the Carnation has to keep on other holidays, it certainly had a front position on Memorial Day.

Vaughan's Seed Store is receiving congratulations on the showing made of their grand Gladiolus Mrs. Frances King, forced spikes of which, grown by G. Swenson of Wheaton, Ill., are selling quickly, at Kyle & Foerster's, at the nice price of $2 per dozen to the trade.

The J. B. Deamud Co. were last week kept hustling in all lines. This house handled a hundred thousand double white Narcissus, with many orders for same turned down. It also had hard work to meet the demand for Carnations and Peonies. It is conceded that the business done by the house last week far exceeded that of Christmas, both in volume and value.

Poehlmann Brothers Co. did a land office business in all lines of stock that they handle; everything cleaned up in fine shape, although the force was about played out owing to the rush.

Vaughan & Sperry note a great increase over the business of last year, although too early to say just how much. They complain of a shortage of Carnations and Peonies. The best Peonies seen in the market are to be found at their store this week, coming from the central part of the State.

Peter Reinberg says the call for Carnations was unprecedented. He never knew the demand to be so heavy for this particular flower before. Roses would not have moved so quickly, except for the shortage of Carnations.

Chas. L. Washburn says they did more business on Friday and Saturday of last week than in any three days at any other time; not only in the city store did the holiday keep them busy, but the force at Hinsdale were equally so.

Wietor Brothers never had larger cuts of stock at any time than last week. Sunday, in one shipment, they received 7800 Killarney Roses alone, and nearly as many in other Rose lines. They stand by the Rose Mrs. Jardine, which is excellent at this time. As this firm receives two shipments of Roses and Carnations a day the amount of stock handled can be imagined.

Charles McKellar found Cape Jasmine much scarcer than previously at this season. Gardenias were almost nonexistent, all over town. Cattleya gigas and Mossiæ, with some fine sprays of Dendrobium phalænopsis are to be seen here in quantity.

The A. L. Randall Co. was kept busy filling the numerous out-of-town orders combined with those from the local trade, of which this house gets a large share. They, however, cleaned up nicely, and were able to fill nearly all orders received.

Frank Benthey, with Kyle & Foerster, never experienced before such a large Memorial Day business. The firm could easily have disposed of a thousand more Peonies if obtainable.

Hoerber Brothers find their business increasing to such an extent that they have been obliged to take on more help. Charles Endriss is now on as steady man. The first Memorial Day business with this firm reached all expectations. Stock was in excellent condition, and was disposed of readily.

Various Notes

C. A. Samuelson had considerable work for the funeral of W. E. Kelley on Tuesday. Ed. Enders left on Tuesday afternoon for Michigan City, Ind., where he will take charge of the floral arrangements at the funeral of Mrs. John H. Barker.

Strail & Hahn are very much encouraged with the way business is progressing at their new store. Mrs. Wengler, who was with A. Lange for some time, is now in their employ.

Joe Ziska, successor to the Chicago Rose Co., recently of 52 Wabash ave., is installed in temporary quarters in the basement of the same building, corner of Wabash ave. and Randolph st., during the remodeling now in progress.

Mr. Wilson, of the A. L. Randall Co., returned from a trip through the State last week, and reports that the small fruit crop, Currants, Gooseberries, Raspberries and Blackberries is totally destroyed.

The W. W. Barnard Co. found a ready sale for the quantities of small plants in baskets, Pansies, Candytuft, Forget-me-nots, English Daisies, Lobelias and Phlox Drummondi. Nothing in the cut flower line was handled this year.

The Leonard Seed Co. reports its Onion sets all progressing nicely. The company planted about the same quantity as last season. As yet it cannot be ascertained whether the Pea seed planted before the cold weather arrived escaped injury.

John Starrett, who is in charge of the flower decorations of the Hotel La Salle, says he likes the work amazingly. Every day the tables of the Palm room require 350 American Beauty Roses, with 1000 other varieties of Roses for the other dining rooms. Mr. Starrett is possibly the largest individual buyer of Roses on the market.

Otto Freese, who has been with Poehlmann Brothers Co. for a long time, left the employ of that house last Friday.

That two days' journey to attend a club meeting does not faze Harry E. Philpott is evident, as he arrived in Chicago, in time for the Chicago Florists' Club meeting on Thursday night.

Michael Fink, with Kennicott Brothers, had a thrilling experience late last Sunday night. On his way home he was held up and his watch and purse taken, but he was able to get them back without the help of the police.

Visitors: F. H. Reshore, Downgiac, Mich.; A. M. York, manager, Lakeside Floral Co., Houghton, Mich.; A. C.

Brown, Springfield, Ill.; Andrew Pearson, Hoopestown, Ill.; Carl Hirsch, Hillsdale, Ill.; W. Davis, of Davis Floral and Confectionery Co., Burlington, Ia.; Mrs. Robt. Muller, Racine Floral Co., Racine, Wis.

W. E. Kelley, former president of the Chicago Horticultural Society, died at his Summer home, Oconomowoc, Wis., May 27, in his 60th year. Death followed an ailment from which he had suffered for more than a year. Mr. Kelley was president of the W. E. Kelley Lumber Co., and son of one of Chicago's pioneer families. A wife, two sons and two daughters survive him. A special train bearing friends and business associates, among whom were members of the Horticultural Society, left the Union Depot at 11.30 on Tuesday a.m., to attend the funeral, which was held at his home at 4 p.m. The Horticultural Society sent a wreath of foliage and Orchids, tied with Orchid ribbon.

The Week's Work

BY

FRITZ BAHR

Timely Reminders

Don't Neglect Anything During the Rush.

We are right in the midst of the rush. Every hand is busy getting the bedding stock out; we have had it long enough. If it ever paid to look after details it is now. Stock which has required months of care and work could be ruined now in a few hours. For instance, you instruct a man to pick out a hundred Salvias. He will do so, and when through leave 15 or 20 plants, which, perhaps, were not quite large enough, standing scattered on the bench. This is wrong! Such plants should be moved up at once to the rest remaining in the bench, where they can be properly watered. The same holds good with other stock. Nothing perishes quicker than plants scattered over a bench. The best man should do the watering, it is very important. If some growers would figure up what bedding stock they lose each Spring, through improper watering, they would be astonished at the results. Take advantage of the first opportunity to empty every shelf. Flats full of small stock up near the glass are suffering there now. Whenever space permits let them come down. Whenever possible, empty one house or bench completely, instead of allowing a batch of plants to remain at one end or in the middle. Stock grows better when near other plants and your place looks neater. Empty a bench, or house, and let it dry out, there is nothing healthier. There may be a batch of small Salvias, Geraniums or other stock suffering for a shift, they might be ruined in a few days if not attended to. You may be money ahead by paying for overtime in order to have the work done. What a sad story it is to hear, when pointing to a bench full of stunted plants: "We were so busy that we had to neglect them." It is too bad. If things let up a bit in a few days, don't discharge the extra help the next morning, there might be a lot of things to do. Don't put off anything for a rainy day, do everything now, quickly, and be through. It doesn't pay to have untidy conditions up to the day before you think about bringing in the soil for the Carnations.

Chrysanthemums

Grow At Least a Few Pot Plants.

If you grow Chrysanthemums at all for retailing, it will pay you to have a few pot plants along with the single stemmed ones, there is always a demand for them. Among our customers we find many who prefer a pot grown plant just coming into bloom, rather than the cut flowers; and while a pot plant wouldn't answer for all occasions on which Chrysanthemums are used, if you have a nice batch to offer you are bound to sell most of it, and even if there are some which won't move they are attractive for the showhouse and can be used for cut flowers. To grow a specimen pot Chrysanthemum requires a good man and a lot of patience, as well as time, more than the average retail grower can afford to give to the work; but you can get fair results with the pot plants if you have them somewhere near the end of the hose, for from nothing will they suffer more than lack of water. As good a place as any, from now on, is a cold frame, where the pots can be plunged up to the rim. No shading is required for them, any more than for those planted in the bench. Give them all the sun possible, but keep the soil moist. Quite a good deal depends upon the pinching back they get now, as to what shaped plants you will have later. Keep the plants short and stocky—nothing can be worse than a spindly pot plant with bare stems; no flowers, no matter how well done and finished, will ever make up for such a deficiency, so allow plenty of room between the plants. Use a good, heavy, well manured soil for potting, for the object is to grow as large plants as possible in small pots; so avoid over potting now, there are almost three months yet in which the plants will grow before showing signs of flower buds.

The Carnations

Pay Attention to the Stock in the Field.

Keep the hoe and the cultivator going, you cannot over-use them. In sandy soil it is an easy matter to keep the surface pulverized and clean, but when it comes to heavy or clayey soil it means work, and in such soil continuous stirring up of the surface is necessary, if you want the plants to do their best. After every rain a few hours of sun will pack the surface to such an extent as to form a hard crust. Avoid this! If hot and dry weather should set in, faithful cultivation is far more important than watering with the hose. Some growers do water their stock in the field. We have never done so, and while having to content ourselves with a stiff clay in the field, we have never experienced any trouble on account of a drought, and this is due to proper cultivation. We make it a rule to go through the Carnations once every week—oftener in rainy weather. By that I mean as soon as the soil is dry enough to cultivate after a shower. The Planet Jr. cultivator is made use of, and during a dry spell in the hottest of weather the surface of the soil may be boiling hot, but you will find it moist and cool a few inches below, if cultivating is faithfully attended to. Remove the small weeds around the plants, such as the cultivator may be unable to reach. While they may not do much harm while small, a few days of hot weather will develop them into large plants, and while removing them you might loosen the Carnations. You should not permit the plants to send up flowering sheets, resulting, perhaps, in the formation of buds. Go over the field every few days and pinch back wherever necessary, for you want short stocky plants in five weeks from now. It doesn't seem that in such a short time we shall be able to do much in order to get good plants for housing, yet a great deal can be done by proper attention.

Poinsettias

The Time for Propagating is Here.

The old plants are by this time loaded down with growth suitable for cuttings. Find time during these busy days to remove cuttings to the propagating bench, as soon as fit to take, and thereby give the plants a chance to get in readiness for another crop. Every cutting will root; in fact, there is no trick at any time in the production of Poinsettias. The main trouble some of us have with them is due to neglecting the plants when artificial heat is required, in the Fall. You must have heat if you want to be successful with Poinsettias. No other flower is of more importance to many of us at Christmas; more and more will be used for that holiday right along. To ship them long distances is unsatisfactory even under the best conditions. Why not have them on your own place? One doesn't require the latest greenhouse construction to do them well in—a tight roof, sun and sufficient heat to maintain 60° and over, no matter what the weather, is all that is necessary; so if you are contemplating growing your own supply for the coming season, it doesn't mean, alone, to start in propagating now, or buying a nice lot of young healthy stock, but also to be sure about proper heating facilities for next Fall and Winter. Think about it now and get ready to have everything in the proper shape in the way of sufficient pipes in the house intended for the Poinsettias next Fall, whether you grow them in pots or pans, or for cut flowers in the benches.

Sweet Peas

The Care of the Outdoor Plants.

Among the flowers which we grow outdoors for cutting, the Sweet Peas are among the first we make use of. The plants, at this writing, grown from seed sown outdoors in early March are making a good growth and soon will be in bloom. As with the small Carnations in the field, they, too, want the hoe. Keep the soil stirred up. If you are still in doubt as to the real good which comes out of this, do a little experimenting. Let a part of a row go without cultivation, and you will soon see the difference. Watering during dry weather helps the Peas, but not any more than the hoe. If handy, a light mulching of well rotted manure worked in the surface of the soil is of great benefit. How about supports? Sweet Peas with crooked stems are no good, so don't overlook supports. We have a row of Sweet Peas which were sown out the fifth day of March, about four days before the outside ones. They were sown about six seeds to a 4-in. pot. As the little plants advanced they were tied up on thin stakes. They made about 12 inches of growth inside, and were planted outdoors about three weeks ago, where they began to bloom about one week ago and are furnishing now fine flowers on long stems, away ahead of anything cut indoors. The variety is the ordinary Blanche Ferry and a few Countess of Radnor. The only drawback is that we haven't got ten times as many, nor any white ones. It certainly pays to bring along plants in this way for they are fully three weeks ahead of the ones sown outdoors directly.

Providence, R. I.

General interest is evinced in the tree planting which is fully under way in this city, and if the trees donated and planted on the barren streets get established we shall have a city beautiful. Not only the city of Providence, which started the movement, will be benefited but East Providence and some adjoining towns and cities, inasmuch as they also have taken up the idea. Among the principal donors of trees to the city are Col. Samuel P. Colt, of Bristol, R. I., who has donated 100 trees; Dr. E. M. Harris, 25 trees; Mrs. John Custer Brown, 50 trees; the Providence Baseball Team, (The Grays), 10 trees. Up to the present time upward of 2000 trees have been donated. George Johnson & Son have the contract to plant 1000 of these trees this Spring, and others in the early Fall, as soon as it is safe to transplant them.

Geo. C. Kelley has the contract for cutting the grass for the season around the Hope Reservoir. He had a busy time around Memorial Day.

J. H. Cushing, Quidnick, R. I., was in town this week, and reported a rushing business at this time. Mr. Cushing is furnishing some of the large florists with cut flowers of fine quality.

H. J. Johnson, 1860 Broad st., had fine business for Memorial Day. He has started a fine place and is growing some very nice stock, plants and cut flowers. He was formerly with J. H. Cushing, Quidnick, R. I., Mr. Johnson expects soon to make an addition to his plant.

The State Board of Agriculture is doing considerable planting this season, in the line of school gardens. E. K. Thomas has charge of this work. Over 1000 Cabbage and Tomato plants will be planted this week at Roger Williams Park and Thayer st. school. This work is to be done entirely by the school children and prizes are offered by the Board and by individuals for the best kept garden, and for the garden that gives the best returns in dollars and cents. Seed for use in the gardens is put up in special school packages by W. S. Pino, who also furnishes the State with the plants used. The seeds can only be secured through Supt. Thomas.

F. Macrae's Sons, 1138 Smith st., reports excellent trade for Memorial Day, cleaning up very well. The supply of cut flowers was somewhat short, necessitating cutting on some orders. There was a shortage of Geraniums in bloom, owing to cool, dark weather. Retail trade was above the average. They will have a fine lot of Lilies in bloom for the graduation exercises which commence in about two weeks.

Matthew Macnair reports business for Memorial Day as very heavy, closely approaching that of Easter.

T. O'Connor, Blackstone blvd., says his bedding stock was cleaned up and he had a fine trade for Memorial Day.

Florence A. Willard, 277 Mass. ave., has been very busy, the holiday necessitating the force working until 3 a. m. Monday. She has some very nice Orchids in bloom. All the bedding stock in bloom was cleaned up.

Wm. Hoffman, East ave., Pawtucket, reports the largest trade be ever had for Memorial Day, and that he has been kept busy day and night for the past few days. He still has a good supply of bedding stock, but the same will be considerably reduced after orders for planting have been filled. The cut flower trade was heavy.

Johnston Bros., Dorrance st., report a large business for Memorial Day. They have the contract to grow 100 pots of corn for the trade parade to be held in Providence on July 4.

John Macrae reports that the plant trade is fine and his business in general is better than last year.

D. E. Newell, Attleboro, Mass., had fine trade for Memorial Day. Orders for bouquets for cemetery purposes, design work, and bedding stock kept him very busy.

Wm. Crompton, East Greenwich, was in town this week. He reports business brisk, with a good supply of stock.

Noonan Bros. are bringing in some fine Tomatoes, Verbenas, Pansies, Salvias, and Geraniums. Their Pansies and Verbenas are superior to any coming into Providence.

The Market

Roses: My Maryland and Killarney, $3 to $8 per 100; Bridesmaid and Bride, $3 per 100; Am. Beauty, $5 to $40 per 100; Richmond, $4 to $10 per 100. Carnations, $4 to $6 per 100. Sweet Peas, 75c. to $1.50 per 100. Marguerites, $1.50 to $2 per 100. Lily of the Valley, $3 to $4 per 100. Gladioli: forcing sorts, $4 to $5; large varieties, $1.50 doz. Peonies, $5 to $6 per 100. Lilies, 12 1-2c. per bud. Adiantum Ferns, $1 to $1.25 per 100. Magnolias, $1.75 to $2.50 per basket. Antirrhinums, $3 to $6 per 100. H. C. N.

TRADE LIST

CLEMATIS paniculata, strong plants, $10.00 per 100; 3-in. pots, $5.00 per 100.

DRACAENA Indivisa, 4-in. pots, $10.00 per 100.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100.

PASSIFLORA coerulea, 3-in. pots, $6.00 per 100.

ALTERNANTHERAS, four varieties, 2-in. pots, $2.00 per 100.

SWAINSONA alba, 2½-in. pots, $3.00 per 100.

AMPELOPSIS Veitchii, 4-in. pots, $10.00 per 100; 3-in. pots, $5.00 per 100.

IVY, Hardy English, 4-in. pots, $10.00 per 100; 3-in. pots, $5.00 per 100.

ROSE GERANIUMS, 3-in. pots, $4.00 per 100.

CHRYSANTHEMUMS, Golden Glow, White Cloud, and Pacific Supreme, 2½-in. pots, $3.00 per 100.

CLEMATIS Vitalba, strong seedlings, $1.00 per 100; $8.00 per 1000. This is a very useful and fast growing variety of Clematis, bearing long sprays of sweet scented white flowers.

Plants from 2½-in. pots, $3.00 per 100: ACHYRANTHES; PARLOR IVY; AGERATUM, blue; **COLEUS**, Verschaffeltii, Queen Victoria, Quatricolor; **SALVIA** Bonfire, **HYDRANGEA** Otaksa, Thos. Hogg; **BOUVARDIAS**, double and single white, Pink, Scarlet and Humboldtii.

HONEYSUCKLE, WOODBINE. Plants, from 4-in. pots, $1.60 per doz.

C. EISELE

11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Seasonable Bedding Plants

GERANIUMS, in variety, 4-in., $6.00 per 100; 3-in., $4.00 per 100.
CHRYSANTHEMUMS, Ivory, Bailey, Black Hawk, Eaton White and Yellow, Enguehard, Lulu, and Klondike, all 2¼-in., $2.00 per 100.
SWEET WILLIAM, 3-in., $3.00 per 100.
SALVIAS, Bonfire and Zurich, 3-in., $4.00 per 100; 2¼-in., $2.00 per 100.
VERBENAS, PETUNIAS, Star, and Giants of California, 2¼-in., $2.00 per 100.
CANNAS, Austria, 3-in., $4.00 per 100.
STOCKS, 3-in., $3.00 per 100.
DRACAENAS, 5-in., 20c. each; 6-in., $40.00 per 100.
VINCA Variegata, 4-in., $8.00 per 100.
SMITH'S MOON VINES, 4-in., $8.00 per 100.
AGERATUM, Blue Perfection; **DWARF PHLOX**, and **HARDY CHRYSANTHEMUMS**, 2¼-in. pots, $2.00 per 100.

Vegetable Plants

Strong and transplanted.
CABBAGE, Wakefield, 60c. per 100, $4.00 per 1000.
TOMATOES, Dwarf Stone, Acme, Earliana, Tenderloin, and Stone, 60c. per 100.
LETTUCE, 25c. per 100.
SWEET POTATO PLANTS, $1.50 per 1000.
PEPPER PLANTS, 60c. per 100.

J. S. BLOOM

RIEGELSVILLE, PA.

Please mention the Exchange when writing.

A1 STOCK **DRACAENA** Indivisa, 5-in., $2.50 per doz.; 6-in., $4.00 per doz. **VINCA** variegata, 4-in., $10.00 per 100. **IVY GERANIUM**, 2½-in., $3.00 per 100. **GERANIUMS**, Nutt and other good varieties, 4-in., $8.00 per 100. **FIELD-GROWN PANSIES**, German Strain, $1.00 per 100, $8.00 per 1000. **H. P. ROSES**, 5-in., just right for Memorial Day, $5.00 per doz.

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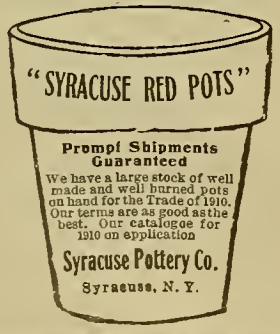

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		Price per crate.			Price per crate.
1500	2 in. pots in crate,	$4.88	120	7 in. pots in crate,	$4.20
1500	2¼ " "	5.25	60	8 " "	3.00
1500	2½ " "	6.00		HAND MADE	
1000	3 " "	5.00			
800	3½ " "	5.80	48	9 in. pots in crate,	$3.60
500	4 " "	4.50	48	10 " "	4.80
456	4½ " "	5.24	24	11 " "	3.00
320	5 " "	4.51	24	12 " "	4.80
210	5½ " "	3.78	12	14 " "	4.80
144	6 " "	8.16	6	16 " "	4.50

Seed pans, same price as pots. Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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The Ideal Plant Food For Florists.

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Indianapolis

All of Indiana's florists are certainly proud of W. W. Coles' cartoon in the preceding issue of the EXCHANGE. W. W. Coles is one of the pioneers who gave Hoosierdom its reputation as a flower growing State.

The speedway races held in Indianapolis, no doubt, influenced the flower business on Memorial Day, as no less than 60,000 people witnessed them. Acres of automobiles were crowded around a track which is boasted of as being the finest in the world. The downtown streets were thronged with visitors and the hotels, completely filled, had many calls for flowers to be used for decorative purposes.

Wm. Humfield of Muncie, Ind., was a recent visitor.

The E. G. Hill Co. has leased the establishment of E. T. Grave at Richmond, Ind., and will use the new plant for growing Carnations exclusively. I. B.

St. Louis

E. W. Guy and Henry Emunds of Belleville, Ill., were in the city Friday, May 27, buying Memorial Day supplies. They say the Belleville florists have all been busy of late with plants and that bedding stock is running low with them.

Fred C. Weber, Jr., secretary of the St. Louis Retail Florists' Association, reports a meeting of this Association to be held on Monday evening, June 6, in the Knights of Columbus Hall, Grand and Olive sts. This, he says, will be one of the most important meetings the Association has yet held, and he hopes that all the members will attend and come early. President C. C. Sanders is expected to preside, but should he not be able to attend, vice-president Theo. Miller will take the chair.

Trustee Bentzen of the Florists' Club reports he has been too busy of late, but that this week, he would, with Messrs. Ostertag and Schoenle, the other trustees, look up a place in which to hold our annual picnic; they will work hard to make this one the best yet.

Henry Ostertag reports his firm has the decorations for the big Pulitzer-Wickham wedding for Wednesday, June 1, the cost of which is $1500; this is the largest job of the season.

"Billy" Ossick and Rude Windt are dividing their time during the day in the flower business and at night they run a picture show in Wellston which they say has been a success.

Shaw's Garden will have its first Sunday opening for this year on June 5. The late Henry Shaw arranged in his will that the public were to be allowed to view the garden on two Sundays in the year—one in June and one in September; on all other Sundays the garden is closed. Everything is in readiness for the opening.

Our four commission houses will again, during the months of July and August, close at 5 p.m. each day and 12 noon on Saturdays.

Robert Ayers, who a few years ago was well known in the retail circles here, reports that he is leaving to make his home in California in the real estate business.

The Bentzen Ball Team will play the Sanders Ball Team for a big prize at the coming florists' picnic; the captains are John Bentzen and Frank Sanders.

The St. Louis Florists' Club will celebrate its 23d anniversary next Thursday, June 9, in their meeting rooms in the Odd Fellows Building, with a big smoker. Secretary Beneke is preparing elaborate notices to be sent to the members and, with the help of the other officers, the largest attendance the Club has yet had is expected. The trustees say that those who miss this meeting will miss the treat of their lives. ST. PATRICK.

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Write for Catalog, and details to Department C.

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CHICAGO, ILL.

New Orleans

Mrs. Chopin, the mother of Peter Chopin, the florist, died in this city, May 28. Mrs. Chopin was the widow of one of the pioneer florists of New Orleans. CRESCENT CITY.

Baltimore

Trade last week was inclined to be dull with the exception of funeral work. The first of this week it started in heavily at the growers and, in the neighborhood of the cemeteries, many sold out of cut flowers early in the day, and were unable to get stock until Monday.

Decoration Day was well observed; the weather was cool and clear, and thousands of people made their way to the many different cemeteries, and of flowers there seemed to be no end; many wagon loads were sent out and thousands of bunches were carried. Any kind of bloom was salable; prices were reasonable, as cut flowers were plentiful.

The retail trade was exceedingly busy in both cut flowers and pot plants. Geraniums were in heavy demand and many growers sold out completely and it seems as though nearly everyone who had a few cents spent their money in flowers. Peonies were in demand and sold at fair prices; the white ones were in many cases inferior and a good bunch was hard to find; pink and red showed up better but were scarce. Carnations are still plentiful and the growers are glad to dispose of them at almost any price.

Roses are still coming in about as usual and as the outside blooms are steadily increasing in quantities, naturally this holds the price down on the inside blooms; they are disposed of at fair prices, and mostly used for funeral work, which is heavy.

Gladioli are finding their way into the market and move well. Lily of the Valley seems to be enough to meet the demand. Callas are shortening up in supply. Sweet Peas are still in about the same condition as previously reported. Outdoor flowers are coming in steadily, and would be in heavier supply if not for the cool days. Greens of all kinds move steadily.

E. Kress, E. North ave., reports a heavy Decoration Day business and early on Sunday sold out completely in cut flowers; he had a heavy call for Geraniums.

E. Herman had a rattling good business this week and all hands had to work hard to keep up with the demands of the business; when the writer called on him he looked as though he was tired out.

Jas. Hamilton of Mt. Washington, Md., is making heavy shipments to the South and handling a large amount of pot plants.

T. N. Gray of Catonsville had his stall heavily loaded with pot plants on Monday, and was doing a fine retail business.

F. G. Burger of Greenmount ave. has his fine lawn in good shape, adding much to the beauty of his conservatory and store. Mr. Burger handles a first-class trade for funeral work, and is well known; he is treasurer of the G. & F. Club.

J. McCormick of W. Baltimore st. is showing a window of various kinds of Carnations; business with him continues good.

Peter Eberhardt of Catonsville is doing a great business in pot plants and cut flowers.

C. J. Gregorious of the Pimlico Greenhouses has a fine house of blooming Sweet Peas; he is handicapped by lack of ground in which to set out his stock plants which are still in cold frames.

John Oler of Arlington has the sympathy of the trade in the illness of his wife, who has been ailing for some months; he reports she is no better.

J. L. T.

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Put it on at once. Every caterpillar that goes up your tree means hundreds more later on.

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Worcester, Mass.

The past week was an extremely busy one for Worcester florists and many of them were obliged to keep an extra force of help working night and day. The flowers and shrubs have done well, especially the shrubs, and quantities of these were sold for the holiday trade. Roses, Carnations, Forget-me-nots, Lily of the Valley, Pansies in boxes and baskets, Sweet Peas, and the numerous varieties of flowering shrubs, met with a splendid sale. While the first of the week showed the shops well stocked the last few days it was with difficulty that the orders were filled.

For potted plants Crimson Rambler Roses, Spiræa and varieties of Geranium, Ageratum, Petunia and Begonia were in great demand. The "living bouquet" proved a record breaker for Worcester florists this season. Quantities of them were sold for Memorial day trade. There has been nothing for years that has met the popular fancy quite as did the living bouquets. The bouquets consist of several varieties of flowering plants arranged with an eye to color, and they make an effective and durable display for home or cemetery. Artificial wreaths met with some favor and many of them were disposed of, although the general taste in wreaths turned toward those made of Boxwood sprays and Magnolia leaves. Hydrangeas are as popular as ever at this season and particularly beautiful are the colors seen in the blossoms at the Main st. florist shops.

The crescent and star shaped beds on the Worcester Common are beauty spots to be proud of. Never has the old Common been so beautiful. The early Tulips have given way to the handsome Pansies and these will be followed by other seasonable flowers.

John Coulson, who for 35 years was gardener for Hon. Stephen Salisbury, has gone into the wholesale and retail business at 361 May st. Mr. Coulson is an authority on Begonias, and his displays in the Salisbury greenhouses attracted much attention.

The new store, at 371 Main st., of the H. F. A. Lange estate, conducted by Albert H. Lange and Carl C. Lange, sons of the late H. F. A. Lange, is one of the finest in this part of the State. It is finely equipped for displays and catering to retail and wholesale trade. Novel windows attract considerable attention daily by their artistic arrangement and magnificent materials. Potted plants in a bed of moss and handsome plants in brass jardinieres or tall brass vases make a pleasing showing this week. A. H. Lange, eldest son, is one of the most artistic designers and decorators in the city. He and his brother are associated in the business which their father, who died recently, conducted for many years.

The two stores of H. F. Littlefield are busy all the time and have a number of June decorating engagements. Their Memorial Day business was a splendid success, cut flowers, living bouquets and shrubs being in great demand.

The Roses grown at the Worcester Conservatories, of which Leonard C. Midgley is owner, are more beautiful than ever this season. Mr. Midgley's Roses are special features of the Conservatories, and are always in demand. Mr. Midgley produces more varieties of the Rose than any florist about here.

Charles D. Mackie, Pleasant st., had a great demand for Memorial Day work; in fact, his attractive shop is a busy place at all times.

F. B. Madans has many June dates booked for wedding work. The funeral designs of this florist are very popular.

Mrs. May Fisher's decorations for weddings and receptions attract much atention and keep her busy arranging them, as well as serving the smaller demands.

F. A. Keyes, Highland st., is, perhaps, more interested in plants than in cut flowers and is called on frequently to grow plants for special occasions.

A florist new to many Worcester people is Frank Sokal, College Hill. Mr. Sokal caters to people of the vicinity in which his business is located. His flowers are of fine quality and his plants have a wide retail sale.

Allyne W. Hixon, Gates Lane, received a goodly share of holiday business. Mr. Hixon gave particular attention to designs, in which he was assisted by Mrs. Hixon, whose artistic work has been commented upon by the judges of the Worcester County Horticultural Society at the weekly exhibitions.

Mrs. Percy G. Forbes, Millbury ave., although not in a downtown business, has served a large number with handsome specimens of plants and cut flowers, funeral designs and special work.

Adin A. Hixon, secretary of the Worcester County Horticultural Society, is slowly gaining in health. He has not been at his desk regularly for sometime. During the week he came downtown for a few hours each day.

Mrs. David L. Fiske, Grafton, Mr. and Mrs. Allyne W. Hixon, Mr. George McWilliam, Whitinsville, and William McAllister, Whitinsville, were among the Horticultural Society's members who visited the display of Orchids at the great Orchid show in Boston. E. D.

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ONE MADISON AVE.
NEW YORK
Please mention the Exchange when writing.

Hartford, Conn.

Edwin J. Church sends us a photograph showing a raised flower bed designed by him for the Underwood Typewriter Co. of that city, with the letters "U. T." showing in the center in white flowers, which took upward of 2000 bulbs to fill. The size of the bed was 20 ft. each way, and it was raised 3 ft. in the rear, sloping thence gently down to the lawn. The bulbs used were Tulips Rose Blanche, pure white, and Rex Rubrorum, brilliant scarlet. These, Mr. Church reports, were in full beauty on the 20th of May, after all other bulbs in that city had passed.

Syracuse, N. Y.

Memorial Day

All the florists are rushed with orders. Cold wet weather for nearly a week has given place to ideal Summer weather. There is little doubt when the books are balanced that Memorial Day trade this year will be in excess of previous years.

Outdoor cut flowers were very scarce, in fact there were none to speak of, the very heavy, cold rains ruining, practically, everything. Peonies will not be in for a week or two yet.

As a rule, bedding stock was remarkably good and no advanced prices asked. Seed stores and some groceries are handling out-of-town plants shipped in without pots, and they seem to dispose of quite a lot.

Bellamy Bros. had a very fine lot of Geraniums in flower, as well as other bedding stock; they are much encouraged with the volume of trade they have done in their new quarters. Sweet Peas and Gladioli were especially good. My opinion of their Carnation Marchioness, as a money maker, has never changed; the beds were a sheet of white, and the firm was refusing orders.

Meneilly & Sons had a very large stock of well-grown plants and were particularly strong on Geranium Mme. Salleroi. A large block of Gloxinias here are a grand lot of remarkably fine flowers, which sell well.

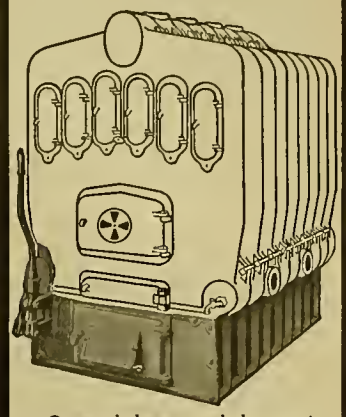
In my last notes I mentioned the serious illness of Gus Bartholome's eldest daughter, and now deeply regret having to record her death. Her loss is a very severe one, as she had for several years charge of the office and making up. Her work had always been of the highest order. The entire craft expresses their deepest sympathy with Mr. and Mrs. Bartholome and family.

Burt's store is a picture well worth looking at, for Mrs. Robinson sees to it that the place is always arranged with taste, such as would not disgrace a New York store. Her brother, Alfred Burt, is a past master in plant growing, and finds the material for the tasty decorations.

Bannister Bros. were particularly strong on Gen. Grant Geraniums, which they assured me sold like hot cakes. They will have a grand lot of Boston and other Ferns for Autumn.

P. R. Quinlan is cutting a splendid lot of Roses and Carnations, and had a fine cut for the holiday.

I have made diligent enquiry among the craft to find out who made the wreath described on page 960 in last issue of the EXCHANGE. All deny that such a piece was made by them. One said "Why any one who has lived in Syracuse a year or two knows there will be plenty of room in heaven"—that's what I call rubbing it in. H. Y.

The Burnham

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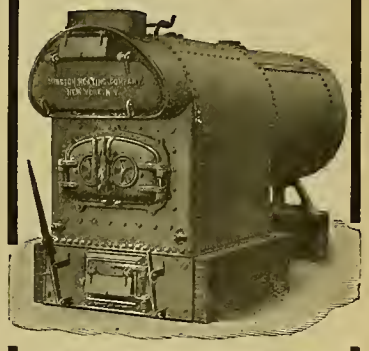
The Most Economical and Efficient Boiler for Greenhouse Heating
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138 East 31st St., New York
Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.

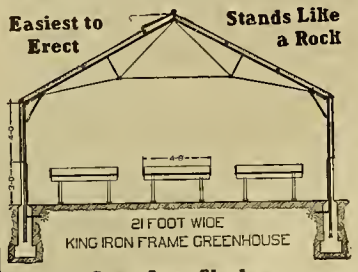
The A. T. Stearns Lumber Co.
NEPONSET, Boston, Mass.
Please mention the Exchange when writing.

How About This?

"The Best Houses we have and we erected them ourselves without any trouble."—*From one of the well known growers in Jersey.*

Easiest to Erect

Stands Like a Rock



Casts Less Shadow

"Ask the Man Who Has One"

John Young Co., New York City, 54 by 561.
Scott & Son, Sharon Hill, 5 houses, 25 by 166.
John N. May, Summit, N. J., Whole Range, 5 houses, 28 by 225.
E. W. Fengar, Irvington, N. J., 3 houses, 28 by 150.
G. F. Neipp, Chatham, N. J., 42 by 300.
C. E. Meehan, Holland, Pa., 50 by 300.
Florex Gardens, North Wales, 172 by 700.
John W. Young, Germantown, Pa., 2 houses, 35 by 300.

WHY NOT YOU?

KING CONSTRUCTION CO., NORTH TONAWANDA, N. Y.

Please mention the Exchange when writing.

REDUCING EAVE SHADE

REDUCING it is one thing and to have the eave strong and enduring is quite another. One without the other is worthless. These things—and more—are exactly what are accomplished by our Patented Galvanized Ice-Clearing Eave Plate with Sash Bar Clasps attached.
You don't have to buy our house to get our eave plate—we sell it separately.
See the Handy Hand Book for particulars. Write for prices.

LORD & BURNHAM COMPANY

IRVINGTON, N. Y.

New York St. James Bldg. | Boston Tremont Bldg. | Philadelphia Heed Bldg. | Chicago The Rookery

Please mention the Exchange when writing.

IN OUR FACTORY

Greenhouse Material is made on a wholesale basis. The big, special built machines turn out a perfect product at the lowest cost. Every measure of economy is known and rigidly practiced. The watchful eyes of the trained experts who make the manufacture of Greenhouse Material a specialty see that

NO LEAK ESCAPES

Every appliance is of the newest and most perfect type, and specialized brains coax from each machine its highest possible efficiency. If the other fellow's price is lower you will not get the right kind of material. Write for our catalogs and let us tell you more about our material.

Send for our Catalogs:
No. 4—Greenhouse Materials
No. 5—Boilers
No. 6—Pipe & Fittings

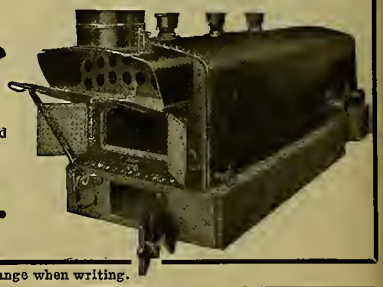
John C. Moninger Co., Chicago
906 East Blackhawk Street

Please mention the Exchange when writing.

THE KROESCHELL BOILER

IS THE ONLY PERFECT

Hot Water Boiler



No. 1 for Small Greenhouses.
No. 15 for a range of 50,000 sq. ft. glass heated to 60 at 15 below zero.

Prices and Catalogue on application.

KROESCHELL BROS. CO.
468 Erie Street, CHICAGO

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WATER SUPPLY

HAVE you figured out how much COAL and TIME you use for your pumping during the summer months, and compared this with the expense of a few cents worth of gas or gasoline used by THE STANDARD PUMPING ENGINE for doing BETTER WORK IN LESS TIME?

Our catalogue will get you to thinking about it. Sent on request.

STANDARD PUMP & ENGINE CO.
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The Florists' Supply House of America

Thanking our many patrons for the largest volume of Memorial Day trade that we ever had; we will at the same time remind them that **June Weddings, School and College Commencements** are close at hand. We have every requisite for such occasions, and the variety and quality of our supplies is unexcelled. **Fancy Flower Baskets, Fancy Lace Bouquet Papers, Chiffon in all Flower Colors, Wedding Gates, Kneeling Stools, etc.**

ALL OTHER SUPPLIES IN ABUNDANCE. SEND FOR OUR NEW CATALOGUE

H. BAYERSDORFER & CO., 1129 Arch Street, Philadelphia, Pa.

Please mention the Exchange when writing.

MASTICA

FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 West Broadway
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Please mention the Exchange when writing.

FOR GOOD SERVICEABLE

SECOND-HAND PIPE

with couplings, guaranteed to be better than you can get elsewhere:
Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

ALBERT & DAVIDSON
BROOKLYN, N. Y.
Tel. 2225 Williamsburg 68-70 Troutman St

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Are you going to build a **Sash Bar, Semi-Iron Frame** or **Iron Frame Greenhouse?** We have interested others in our methods of construction and in our prices—why not you?

ISAAC CASSIDY,
Summer Ave. and Erie R. R.
NEWARK, N. J.

Please mention the Exchange when writing.

Read C. S. Harrison's Brilliant Paper on Herbaceous Plants, Page 1040

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 24 NEW YORK AND CHICAGO, JUNE 11, 1910 One Dollar Per Year

Amherst MASS

NEPHROLEPIS

We have a splendid lot of large specimen plants of **Bostoniensis**, in 12-in. pots, at from **$5.00** to **$7.50** each, according to size; 6-in. at **50c.** each.

Elegantissima Improved, the finest of this type, never reverting to the Boston type. Fine plants, 2¼-in. pots, **$10.00** per 100; 4-in., **25c.** each; 6-in., **50c.** each.

Superbissima, extra heavy plants, 4-in. pots, **25c.** each; 6-in., **50c.** each; 8-in., **$1.00** each.

BEDDING STOCK

	Per 100
ABUTILON Savitzi, 2¼-in.	$4.00
ACALYPHA Musaica, 2¼-in.	6.00
AGERATUM, three sorts, 2¼-in.	3.00
ALTERNANTHERA, three sorts, 2¼-in.	3.00
ALYSSUM, SWEET, 2¼-in.	3.00
ASTERS, assorted, 2¼-in.	3.00
CANNAS, finest sorts, strong plants, 3½-in., **Beaute de Poitevine, Buttercup, Souv. d'Antoine Crozy, Pierson's Premier**, and **Florence Vaughan**	6.00
Tarrytown, best crimson; **King Humbert**, best dark-leaved; also **Wm. Saunders** and **New York**, fine dark-leaved sorts	12.00
COBEA Scandens, 2¼-in.	4.00
COLEUS, Golden Bedder, Verschaffeltii and assorted, 2¼-in.	3.00
GERANIUMS, Double Grant, Rose, and assorted kinds, 3½-in.	8.00
GERANIUMS, Mme. Salleroi, 2¼-in.	5.00
NASTURTIUMS, assorted, 3-in.	5.00
PETUNIAS, 2¼-in.	4.00
SALVIA Splendens and **Bonfire**, 2¼-in.	3.00
VINCA variegata, 3½-in.	8.00
HYDRANGEA Otaksa, 4-in., in bud and bloom, one bloom per plant 15c. each.	
EGG PLANTS, New York Improved, 2¼-in.	4.00

F. R. PIERSON CO.

Tarrytown-on-Hudson NEW YORK

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

GARDENIAS

3-inch pots, $12.00 per 100; 4-inch pots, $18.00 per 100.

POINSETTIAS, $8.00 per 100, $75.00 per 1000.

COLEUS

Golden Bedder, Golden Queen, Verschaffeltii, Queen Victoria, Fire Brand and Beckwith's Gem, 2¼-inch pots, $2.50 per 100; $20.00 per 1000.

HELIOTROPE AGERATUM SALVIA ALTERNANTHERA, red and yellow 2¼-inch pots, $2.50 per 100; $20.00 per 1000.

We have left unsold in grafted Roses

500 Bon Silene, 250 President Carnot, 100 Mme. Hoste, 75 Etoile de France,

3-inch pots, $18.00 per 100; $150.00 per 1000.

OWN ROOT STOCK

150 **Kaiserin,** 2¼-inch pots, at $45.00 per 1000. 750 **Ivory,** 2¼-inch pots, at $45.00 per 1000. 250 **'Maids,** 3-inch pots, at $50.00 per 1000.

We offer **Killarney** and **Richmond,** 2-year-old plants in 6-inch pots, at $25.00 per 100, excellent for outdoor use. **Killarney** from benches, 2 years old, at $10.00 per 100; $90.00 per 1,000.

ASPARAGUS PLUMOSUS SEEDLINGS

$1.00 per 100; $10.00 per 1,000.

ASPARAGUS SPRENGERI SEEDLINGS

50 cents per 100; $5.00 per 1,000.

Please mention the Exchange when writing.

FOR JUNE WEDDINGS

Asparagus Plumosus Nanus

GOOD, HEAVY STRINGS 50 CENTS EACH

W. H. ELLIOTT

BRIGHTON, MASS.

Please mention the Exchange when writing.

GERANIUMS

We are now prepared to offer an exceptionally fine stock of **FANCY LEAVED GERANIUMS** from 3-in. pots, of **L'Elegantea, Silver-Leaved S. A. Nutt, Duke of Edinburgh, Sophie Dumaresque, Mrs. Pollock, Mme. Languth**, and **Mountain of Snow**, at $1.00 per doz., $5.00 per 100.

GERANIUMS, Ivy-Leaved, in 6 good sorts at $2.00 per 100, $18.50 per 1000; 3-in., $3.00 per 100, $25.00 per 1000.

GERANIUMS, Standard Varieties, $2.00 per 100, $18.50 per 1000; 3-in., not in bloom, $3.00 per 100, $25.00 per 1000, in good assortment.

CANNAS. We have 200,000 fine strong plants in 3-in. pots, in the following kinds: **Jean Tissot, Pres. Myers, Pennsylvania, Buttercup, Louisiana, Egandale, Florence Vaughan** and **Alph. Bouvier**, at 75c. per doz., $3.00 per 100, $25.00 per 1000; not less than 25 of a kind at hundred rate.

	2-in. Per 100	2-in. 1000	3-in. 100
HELIOTROPE, in variety	$2.00	$18.50	$3.00
AGERATUM, Blue and White	2.00	18.50	3.00
CENTAUREA, Gymnocarpa	2.00	18.50	3.00
CINERARIA, Maritima Candidissima	2.00	18.50	3.00
APPLE GERANIUMS	2.00	18.50	4.00
ALTERNANTHERAS, Red and Yellow	2.00	18.50	3.00
COLEUS, Golden Bedder and Verschaffeltii	2.00	18.50	3.00
FUCHSIAS, six varieties	2.00	18.50	3.00
LEMON VERBENA	2.00	18.50	3.00
PETUNIAS, Double Mixed Colors	2.00	18.50	3.00
PETUNIAS, Dreer's Single Superb	2.00	18.50	3.00
VERBENAS, Red, White, Pink and Purple	2.00	18.50	3.00
SWAINSONA, alba	2.00	18.50	3.00
SALVIA, Bonfire and Zurich	2.00	17.50	

DAHLIA PLANTS, from 2-in. at $2.00 per 100 up; for $18.50 cash, we will send 1000, 50 each of 20 distinct varieties including Show, Decorative and Cactus.

MADEIRA VINE ROOTS, $1.00 per peck, **$3.00** per bushel.

Cash with Order. Visitors Always Welcome.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

Please mention the Exchange when writing.

Contents and Index to Advertisers, Page 1027

BAMBOO CANES 6-9 feet $7.00 per 1000

RUBBER HOSE 4 ply $9.00 per 100 feet

TOBACCO DUST $2.00 per 100 lbs.

Genuine Peruvian Guano $2.50 per 100 lbs.

SHEEP MANURE $1.50 per bag

RUSTIC HANGING BASKETS

	Each	Per doz.
12 inch bowl	$1.25	$13.00
14 inch bowl	1.50	16.00

WM. ELLIOTT & SONS
42 Vesey Street, NEW YORK

Please mention the Exchange when writing.

June is the Best Time to Sow Cinerarias

RAWSON'S BEAUTY CINERARIAS

BOTH TALL AND DWARF, EVERY PLANT A PRIZE WINNER.
Trade Package $1.00

W. W. RAWSON & CO., Seedsmen
5 UNION STREET, BOSTON, MASS.

Please mention the Exchange when writing.

'Sparagus Seeds, Etc.

FOR IMMEDIATE DELIVERY

ASPARAGUS

ASPARAGUS plumosus nanus. True greenhouse-grown. 50c. per 100 seeds, $1.20 for 250 seeds, $4.00 per 1000 seeds.

plumosus nanus. California-grown. 50c. per 100 seeds, 75c. for 250 seeds, $2.00 per 1000 seeds.

Sprengeri, 25c. for 250 seeds, 75c. per 1000 seeds, $3.00 for 5000 seeds.

DRACAENA australis. Broad foliage, $1.00 per 1000 seeds, 15c. per 100 seeds.
Indivisa. Long slender leaves. ¼ lb. $1.00, pkt. 10c., oz. 30c.

PALM SEEDS

	Per 100	1000	10,000
Kentia Belmoreana	$0.50	$4.00	$37.50
Cocos Weddelliana	1.00	7.50	70.00
Areca lutescens	1.00	7.50	70.00
Latania Borbonica	.30	2.50	20.00
Phoenix Canariensis	.30	3.00	27.50
Musa Ensete	1.00	7.50	

PRICES UPON LARGER QUANTITIES UPON APPLICATION

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., N. Y. City

Please mention the Exchange when writing.

RUSH ORDERS

Flower Seeds, Market Garden and Field Seeds, all kinds of Tender and Hardy Plants, Tuberoses, Dahlias, Gladioli, Small Fruits.

RUSH ORDERS

JAMES VICK'S SONS
ROCHESTER, N. Y.

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SEEDS and BULBS

W. C. Beckert
103 Federal Street
PITTSBURGH, PA., (North Side)

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HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Seasonable Seeds for the Florists
H. E. FISKE SEED CO., Boston, Mass.

ROEMER'S SUPERB PRIZE PANSIES
The finest strain of Pansies in the World. Introducer and Grower of all the Leading Novelties. Highest Award, at Mannheim 1907. Catalogue free on application.
FREDRICK ROEMER
Quedlinburg, Germany.

Please mention the Exchange when writing.

PURITY

House of Purity Freesia, as grown for the Stumpp & Walter Co.

The Best and Most Salable Freesia in the American and European Markets

OUR stock of this now popular and famous Freesia is the largest in this country. We have bulbs that have been grown under glass (the illustration shows one of our houses), also bulbs grown by the originator, R. Fischer. Both of these stocks are the true Purity stock, from which we receive our bulbs. The very highest quality is guaranteed. The demand for this variety in all the wholesale markets is persistent and universal. Its popularity is undiminished; practically it has no competitor.

PURITY ("Greenhouse Grown")

	100	1000
Mammoth size	$3.50	$32.50
First Size	2.50	22.50
Second size	2.00	18.00

PURITY (Fischer's Original Stock)

	100	1000
Mammoth size	$3.00	$25.00
First size, selected	2.25	20.00
First size	2.00	18.00
Second size	1.75	15.00

For prices on other varieties of Freesia Bulbs, also for all other Bulbs for Fall delivery, send for quotations.

Stumpp & Walter Co. 50 Barclay St. NEW YORK

Please mention the Exchange when writing.

SOW NOW

CHINESE PRIMROSE

England's Prize Strain

Prize Fringed Mixed, of superlative merit. Per 100 seeds, 25c.; 500 seeds, $1.00; 1000 seeds, $1.75.

CINERARIA

English Prize Mixed, unsurpassed for brilliancy of colors and size of flowers. 500 seeds, 60c.; 1000 seeds, $1.00.

JOHNSON SEED CO.

217 Market Street

Philadelphia, Pa.

Please mention the Exchange when writing.

SEASONABLE SEEDS

CALADIUM esculentum, Fancy Caladiums from Brazil.

GLADIOLI, all sorts. Japan IRIS. Japan LILIES.

Double-flowering CHERRIES.

Send for our new Spring list.

H. H. BERGER & CO.

70 Warren St., New York City

Please mention the Exchange when writing.

PRIMROSE SEED

IMPROVED CHINESE

Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 600 seeds, $1.00; 1000 seeds, $1.50; half pkt., 50c. Have the varieties separate, also.

PRIMULA OBCONICA GRANDIFLORA, Finest New Giante Mixed, 1500 seeds, 50c.

PRIMULA Kewensis, the grand, new, sweet-scented, Yellow Primrose, pkt. 25c.

CALCEOLARIA, Dwarf Giant Flowering, Spotted and Blotched, Extra Choice, trade packet, 50c.

CINERARIA Finest large-flowering dwarf, mixed, 1000 seeds, 50c.

GIANT PANSY The best large flowering varieties, critically selected. 6000 seeds, $1.00; half pkt., 50c.; oz., $2.50. 500 seeds of Giant Mme. Perret Pansy Seed added to every $1.00 pkt.

CASH. Liberal extra count.

We can please you.

JOHN F. RUPP, SHIREMANSTOWN, PA.

RUPPTON: The Home of Primroses

Please mention the Exchange when writing.

ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

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CAULIFLOWER SEED

CABBAGE SEED

MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.

COPENHAGEN, DENMARK

Please mention the Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Try The Following

CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
STOCKS—"Burnett's Perpetual White.
CAULIFLOWER—Burnett's Selected "Snowball."
BURNETT'S LIBERTY TOMATO

Write for our Illustrated Catalogue

BURNETT BROS.,

Importers and Growers

72 Cortlandt St., New York City

Telephone 2223 Cortlandt

FRENCH AND DUTCH BULBS

Send me your lists for quotations.

C. McTAGGART

Seedsman and Florist

123 Warren St. (Near West St.)

NEW YORK

Telephone, 2019 Cortlandt

Please mention the Exchange when writing.

Thorburn's Bulbs

We are booking orders now for Harrisii and Formosum and other Japan Lilies; also Roman Hyacinths and Paper White Narcissus.

J. M. Thorburn & Co., 33 Barclay St. NEW YORK

Please mention the Exchange when writing.

"BUDS"

76 Barclay St, NEW YORK

Important to Florists:

New crop of High Grade Flower Seeds just arrived, (especially selected for Florists' use).

CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,

Tel. 4235 Gramercy NEW YORK CITY

Please mention the Exchange when writing.

CINERARIAS—W. A.D.'s Extra Selected Compact and Semi-Dwarf Prize Varieties.

Choice Mixed, Trade pkt. $1.00. If you want something extra choice, give this strain a trial; it cannot be excelled.

WEEBER & DON

SEEDSMEN and GROWERS

114 Chambers Street NEW YORK

Please mention the Exchange when writing.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

Please mention the Exchange when writing.

Import Orders

FRENCH AND DUTCH BULBS

Paper White Narcissus

Roman Hyacinths

Dutch Hyacinths

Tulips and Narcissus

Let Me Figure on Your Wants

CYCAS STEMS

Assorted Sizes—Fresh

25 lb. lots at 8c. a lb., 100 lb. at 7½c.

STOKES' SEED STORE

219 Market St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

AMERICAN SEED TRADE ASSOCIATION

President, J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard H. Vaughan, Chicago. **28th Annual Convention at Atlantic City, N. J., June 21, 22 and 23.**

IMPORTS, ETC.—May 28, 29, 30.—McHutchison & Co., 40 tubs Laurel trees, 5 cases plants. May 31.—Maltus & Ware, 18 cases living plants; Dingelstedt & Co., 60 bales grass seed; Lehn & Fink, 22 bags seeds. June 1.—J. Roebrs Co., 16 cases plants; Vaughan's Seed Store, 3 cases plants; A. Walreat, 94 tubs Laurel trees, 3 cases plants. June 4-5.—Carillo & Baldwin, 5 cases live plants. June 6.—D. Crosby Co., 30 bags garden seed.

WORCESTER, MASS.—The seedsmen report that bedding plants, Tomatoes, Potatoes, Summer Squash, etc., have been damaged by the recent frosts. The W. D. Ross Seed Co. has had a good business in both lines, but have learned that many of their customers have lost their crops. One man who had 20,000 plants lost at least half of them, and present indications are that such vegetables will be scarce and therefore high in price.

European Notes

Everything at present is moving in our favor. Sunshine at the rate of 15 hours per day and a gentle drying wind enables us to rogue our Turnips and Rutabagas in the most complete fashion.

Radishes and Peas are now making splendid growth and have fairly caught up to last year's position. As regards the Brassicas, the bloom is dropping a little too quickly and the pods already formed do not appear to be overloaded with seed; in other respects the plants that have survived are doing their best.

Mangel is running well but Beet makes us uneasy. EUROPEAN SEEDS.

American Notes

Trade Still Continues Very Good

Although now well into June, business with the seedsmen still continues very good. As a prominent member of the craft put it, "there would seem to be no end to the retail counter business this season; it simply keeps on and on." The peculiar weather which has prevailed right along, accounts, of course, in very great measure, for the extended selling season with the seedsmen; but on the other hand, in every year that passes, June is fast becoming a month of better and better sales for everything in a retail way that the seedsman handles; also for the reason that home garden makers are learning, as never before, that, so-called, late seed plantings have innumerable advantages, and that waiting until real permanent growing conditions have established themselves gives

WARD'S LILY BULBS

"NOT HOW CHEAP— BUT HOW GOOD"

RALPH M. WARD & CO.

12 West Broadway—New York

Please mention the Exchange when writing.

SCHLEGEL & FOTTLER CO

BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

Please mention the Exchange when writing.

WINTER FLOWERING SWEET PEAS

ALL COLORS

SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catalog free on application

THE MOORE SEED CO., 839 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

Canna Plants

750 Charles Henderson, 750 Alphonse Bouvier, 35 plants in a flat, $1.50 per flat. These Cannas were grown in the flats.

		Per 100
400	VINCAS, 3½-in. pots	$8.00
500	S. A. Nutt GERANIUMS, 3½-in.	6.50
500	John Doyle GERANIUMS, 3½-in.	6.50
1000	SALVIAS, 3½-in.	5.00
300	FUCHSIAS, 3½-in.	6.50
5000	J. Nonin CHRYSANTHEMUMS, 2-in., $15.00 per 1000.	

QUIDNICK GREENHOUSES

J. H. Cushing, Prop., Quidnick, (Anthony P. O.) R. I.

Please mention the Exchange when writing.

CANNAS

Strong plants cut out of bench, Kate Gray, Long Island, best yellow, and Charles Henderson, at $5.00 per 100. Cash with order.

ROWEHL & GRANZ

HICKSVILLE (L. I.), N. Y.

Please mention the Exchange when writing.

Cultural Direction Leaflets

Prepared especially for seedsmen to give away to customers. Written by experts with a view to the wants of the amateur. Seedsmen are requested to send for a free sample. Address,

A. T. De La Mare Ptg. & Pub. Co., 2 Duane St., New York

Grandiflora Prize Cineraria

Michell's Giant Strain Cineraria and Primula

CINERARIA

The Cineraria Seed offered by us is the best procurable; immense trusses of the largest flowers are produced.

	½ Pkt.	Trade Pkt.
Grandiflora Prize Dwarf. Mixed	$0.60	$1.00
Grandiflora Prize Medium Tall. Mixed	.60	1.00
James' Giant Strain. Mixed	.60	1.00
Hybrida Choice Mixed	.30	.50

PRIMULA CHINENSIS Fringed Chinese Varieties

We have a very choice strain of Primula, which we have procured from the leading Primula Specialists in England and Germany. Flowers very large, beautifully fringed and of the brightest colors.

	½ Pkt.	Trade Pkt.
Alba Magnifica. White. (1-32 oz., $2.50)	$0.60	$1.00
Chiswick Red. Brilliant red. (1-32 oz., $2.00)	.60	1.00
Holborn Blue. (1-32 oz., $2.00)	.60	1.00
Kermesina Splendens. Crimson. (1-32 oz., $2.00)	.60	1.00
Rosy Morn. Pink. (1-32 oz., $2.00)	.60	1.00
Michell's Prize Mixture. Contains only the very finest sorts, selected from the best strains. (1-16 oz., $2.00)	.60	1.00

HENRY F. MICHELL CO., 10th and Market Sts., **Philadelphia, Pa.**

Please mention the Exchange when writing.

ASTERS $2.50 per 1000

In the following varieties: Semple's, Vick's Crego, Market White and Comet.

STOCKS, Princess Alice and Beauty of Nice, 2-in., $1.50 per 100.
COLEUS, 2-in., $1.50 per 100.
DUSTY MILLER, 2-in., $1.50 per 100.
AGERATUM, White and Gurney, 2-in., $1.50 per 100.
FEVERFEW, 2-in., $2.00 per 100.
CUPHEA, 2-in., $1.50 per 100.

Rooted Cuttings, prepaid per 100: Cuphea, 75c.; Coleus, 10 kinds, 60c.; Alternanthera, Rosea, P. Major, 50c. per 100, $4.50 per 1000; Ageratum, 3 kinds, 50c.; Stevia, 75c.; Dbl. Petunias, 10 kinds, $1.00.
HELIOTROPE, 2-in., $1.50 per 100.
MAURANDYA and **THUNBERGIA,** 2-in., $1.50 per 100.
STOCKS, Princess Alice and Beauty of Nice, 2-in., $1.50 per 100.
JERUSALEM CHERRIES, 2-in., $1.50 per 100; Seedlings, 60c. per 100.
ZINNIA, Fireball, 2-in., $1.25 per 100.
MARIGOLD, El Dorado, 2-in., $1.25 per 100.

Cash with order.

BYER BROS., Chambersburg, Pa.

Please mention the Exchange when writing.

Aster Plants

Semple's Branching and Queen of the Market, fine plants from field, $1.75 per 1000.

GERANIUMS, HELIOTROPES and **SCARLET SAGE,** in bloom, out of 4-in. pots, $4.00 per 100.

ALYSSUM, VERBENAS, DUSTY MILLER, PHLOX, PRIMULA Obconica, 2½-in., $2.00 per 100; 300 for $5.00.

CABBAGE and **TOMATOES,** all kinds, $1.00 per 1000, $8.00 per 10,000.

PEPPERS, SWEET POTATOES and **BRUSSELS SPROUTS,** $1.50 per 1000.

CAULIFLOWER, Early Snowball, $2.50 per 1000.

J. C. SCHMIDT
BRISTOL, PA.

Please mention the Exchange when writing.

ASTER PLANTS

Queen of the Market, Perfection, Comet, all in best Mixed Colors; Late Branching, in white, pink, lavender and crimson, all stocky plants, fine for planting out, $2.50 per 1000.
CALADIUM Esculentum, 6 to 8 in. circumference, $1.50 per 100.
CANNAS, best named kinds, $2.00 per 100.

IMPERIAL SEED & PLANT CO.,
Grange, Baltimore, Md.

Please mention the Exchange when writing.

Cabbage Plants

All-Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ball-Head, at 20 cents per 100, $1.00 per 1000; 10,000 and over at 85 cents per 1000.

Egg Plants

Black Beauty and New York Improved, 40 cents per 100, $2.00 per 1000.

Pepper Plants

Bull Nose, Ruby King, and Sweet Mountain, 40 cents per 100, $2.00 per 1000.

Cash with order.

R. VINCENT, Jr. & SONS CO.
WHITE MARSH, MD.

Please mention the Exchange when writing.

FLORISTS' ASTERS

Field-grown—Separate colors

CREGO, White, Shell-Pink and Rose.
SEMPLE'S, Purple and Lavender.
$2.50 per 1000 by express;
60c. per 100 by mail.

Cash with order.

A. & G. ROSBACH, Pemberton, N. J.

Please mention the Exchange when writing.

ASTER PLANTS

Wonder. Not a new untried Aster, but proven much the earliest of all. Very large, fluffy, well filled blooms, on long stems. Two kinds, a pure white and clear pink. Large strong rooted, field plants, 300 for $1.00 by express. Late Branching in five leading colors separate, and Ostrich Feather in best colors mixed, 500 for $1.00. For larger lots and prices please write now.

DANIEL K. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

Sweet Potato Plants

A large stock of Sweet Potato Plants now ready, YELLOW NANSEMOND, BIG STEM JERSEY, and EARLY GOLDEN, 1000, $1.25; 10,000, $10.00.

H. AUSTIN CO.
FELTON, DELAWARE

Please mention the Exchange when writing.

FRESH MUSHROOM SPAWN

ENGLISH AND AMERICAN

VAUGHAN'S SEED STORE

CHICAGO — 84 Randolph Street
NEW YORK — 25 Barclay Street

Please mention the Exchange when writing.

Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C. Trade Mark **American Spawn Co., St. Paul, Minn.**

the best results in the end. Too much encouragement cannot be given to June plantings of seeds in the home kitchen gardens, and the same applies to the setting out of bedding and vegetable plants. There is no reason why the seedsman should not make of June one of the best months of his Spring seed selling season. Speaking of the past week's business, it is really wonderful how well trade has continued. There has been, of course, a little of everything called for, but the total of the whole has aggregated very well indeed. The demand for both bedding and vegetable plants goes on and on, and the end of the season this year will surely find less on hand with the growers than in years. As an outlet for everything in plants, the seedsmen this season have shown, as never before, their ability to handle, it may be truly said, almost unlimited quantities.

Mention should also be made as to how well bulbs of all kinds and flower seeds are still selling; the closing week, taken altogether, has certainly been very satisfactory. Regarding the weather, it is to be hoped that more favorable growing conditions will soon develop, as nothing is so conducive to impetus to the coming Autumn season as satisfaction to garden makers through the Spring plantings. Every seedsman is now anxious that the seeds and plants he has sold shall give full value and satisfaction to his customer.

Gourds

In making up collections of flower seeds, for those customers who never know exactly what they want, the selection of ornamental Gourds will be very satisfactory. These rapid growing, and certainly most interesting annual climbers, with their pretty foliage and odd and singular shaped fruit, should by no means be lost sight of, for prominent flower seed for retail counter sales. Being tender, they should not be planted until all danger from frost is past; when it is safe to plant Nasturtiums it is so for Gourds. There are a number of most interesting varieties, among which the following sorts are always well known. Apple, Bottle-shaped, Dipper, Nest Egg and Pear-shaped; these and many other popular varieties make a very desirable mixture that can be sold for five cents per packet. The very oddity of the Gourds will please customers.

Window Decorations

Now that the height of the selling season is over, do not feel that the window decorations can be neglected. There is no time in the year when the utmost care and attention should not be given to this subject. As a reminder for the present time, there is nothing so attractive as collections of seasonable flowers, with the various varieties correctly and plainly named. This week many of the larger seedsmen are using masses of Peonies for this purpose, with grand effect. Do not, for a moment, neglect the decoration of your windows. V.

COW PEAS

All Varieties in Any Quantity, from a bushel to car lots.

J. BOLGIANO & SON
BALTIMORE, MD.

Please mention the Exchange when writing.

New York Seed Trade

The story of the week in the seed trade is one of exceptionally good sales indeed, for June. The weather still keeps cloudy and cool, which is, without question, the reason for the steadiness of the retail counter trade. Our seedsmen are all wishing for some warm, sunny days; these cannot now be far off and will make things look very different outdoors. Bedding and vegetable plants of all kinds are still selling in goodly volume. On the whole, the past week has been one of very satisfactory business.

Maurice Fuld, of W. W. Rawson & Co., Boston, Mass., was a visitor this week. Mr. Fuld, who is taking his vacation, is on his way to his home at Wheeling, W. Va. He is very enthusiastic over the satisfactory organization of the American Gladiolus Society and predicts for it a future of great usefulness. Mr. Fuld considers the outlook particularly encouraging for sales of French and Dutch bulbs the coming season.

R. J. Irwin of Skidelsky & Irwin, Philadelphia, Pa., was also among our visitors this week.

The Stumpp & Walter Co. have on exhibition in one of their large show windows at their Barclay st. store, a dozen or more varieties of wild ducks, which have attracted, all the week, the greatest attention.

John T. Butterworth of South Framingham, Mass., and Wm. F. Jurgens of Newport, R. I., were also among our visitors the past week.

Harry A. Bunyard, of A. T. Boddington's, is very busy these days getting things into shape for the New York Florists' Club outing on June 28, when it is expected that many more members of the seed trade than usual will attend. Mr. Bunyard is also giving his attention to the coming Sweet Pea exhibition to be held in July, so, altogether, he certainly has his hands full.

Peter Henderson & Co. have been making a grand display of cut Peony blooms at their store during the past week, in connection with which this firm has been booking orders for the roots for delivery next Fall. A feature of the display has been the "Peony Field Guide" with which they have supplied prospective customers.

The "Buds" seed store has commenced to receive new crop florists' flower seeds, for Summer and Autumn sowing.

W. Van Kleef Jr., of W. Van Kleef & Sons, Boskoop, Holland, sailed last Tuesday on the Cunard S. S. Lusitania, for home, after a more than usually good trip among the trade.

At Vaughan's Seed Store they are making preparations for an unusually large bulb trade. It will not be more than a fortnight now before Freesias will be ready, with Lilium Harrisii following early in July.

Weeber & Don are offering this week new crop Cineraria seed.

Wm. Elliott & Sons say that not in years have the retail sales of bedding plants continued in such large volume so late in the season.

A goodly number of the trade attended the Summer exhibition of the Horticultural Society of New York, held last Saturday and Sunday, June 4-5, at the New York Botanical Garden.

Lawrence S. Payn, traveler for Ets. André Leroy et Cie, late Peignaux et H. Lorin, H. Lorin, succ'r., wholesale seed growers in Angers, France, sailed from Boulogne, June 4, for his annual trip to the United States and hopes to arrive in New York about June 12. All letters addressed to him, c/o The Broadway Central Hotel, Broadway, New York, will receive attention.

One of the teams of Henry Nungesser & Co., which was entered in the N. Y. Work Horse Parade, May 30, took the blue ribbon.

Philadelphia Seed Trade

The cool and rainy weather has made necessary the replanting of many Beans and Cucumbers, and this misfortune of the planter has brought some late mail and express orders to seedsmen, and some counter trade. There is a heavy demand for Stowell's Evergreen Corn, and the price has already advanced 60c. per

HEADQUARTERS FOR
GLADIOLI
and Other Bulbs
JOHN LEWIS CHILDS
FLORAL PARK, N. Y.
Please mention the Exchange when writing.

Gladioli
Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck and Pactole.
LILIES, IRIS, CINNAMON VINES and other bulbs for Spring planting.
Send for prices.
E. S. MILLER
WADING RIVER, LONG ISLAND, N. Y.
Please mention the Exchange when writing.

VIOLETS—VIOLETS
Ready July 15th.
MARIE LOUISE, clean and healthy in every particular, 3-in. pots, $5.00 per 100.
Cash with order.
WM. J. CHINNICK, Trenton, N. J.
Please mention the Exchange when writing.

Marie Louise Violet Cuttings
Fine healthy stock, out of soil, $12.00 per 1000.
Cash with order.
JOHN COOMBS, 118 Benton St. HARTFORD, CONN.
Please mention the Exchange when writing.

SEASONABLE PLANTS
DRACÆNA Indivisa, 4-in., $10.00 per 100.
CANNAS, Pennsylvania, $1.50; A. Bouvier, $1.50; Austria, $1.25; Italia, $1.75; B. Beauty, $2.50; Egandale, $1.50; Marlborough, $2.00; America, $1.25; D. Harum, $2.00 per 100.
HYDRANGEA Paniculata grandiflora, 2 to 3 ft., $10.00; 18 in. to 24 in., $6.00 per 100.
PRIMULA Obconica, 2-in., $1.50 per 100; 3-in., $4.00 per 100; 4-in., $6.00 per 100.
GERANIUM, Ricard, 2-in., $2.00 per 100.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100
Plumosus, 2-in., $2.00 per 100.
ENGLISH IVY, R. C., 76c. per 100; var. R. C., 76c. per 100.
FERNS, Scottii, 6-in., $20.00 per 100; 6-in., $36.00 per 100.
J. H. DANN & SON
Westfield, N. Y.
Please mention the Exchange when writing.

OUR advertisements have brought us excellent results, far better than we expected; we will have more advertisements in about two weeks.
Address of this Advertiser on application.

CULTURAL DIRECTIONS

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

A. T. DeLaMare Co. (Pubrs. F. E.) P. O. Box 1697, New York.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

bushel. The sale of Cow Peas has begun; the demand is likely to be heavy from present indications, and the supply is not abundant. The present price of Crimson Clover seed, around the $9 per bushel mark, is prohibitive, and at least a month will elapse before the new crop will be in the market.

The Johnson Seed Co. reports a complete clean up of all Cycas stems, and of all bulbs and roots, with the exception of a few Gloxinias. The company's trade in bulbs and roots this Spring has been the largest in its experience, and many orders have been booked for Peonies for Fall deliveries.

The Stokes Seed Store has its "Wholesale Turnip Seed List" now ready for distribution. Mr. Stokes, in company with S. F. Willard, president of Comstock, Ferre & Co., seedsmen, Wethersfield, Conn., will sail for Europe June 15, on the Campania. They will be gone about two months, going through the seed growing districts, not only having an eye to business, but also seeking recreation and rest.

The house of Henry A. Dreer Co. will soon have its "Midsummer Strawberry List" ready for distribution. George D. Clark of this house has gone to California to look up seed stocks. The exhibit of Rose and Peony blooms in the Chestnut st. store windows still continues, and attracts a crowd of admirers. In Peonies, especially fine are the blooms of the Pottsii rosea, and Humei rosea; and in Roses, Earl of Warwick, Harry Kirk, and the Hon. I. Bingham. On one of the counters in the store lies today a Quaker Pie Pumpkin, as sound as when brought in from the field, evidencing its good keeping qualities.

Frederick J. Michell, of the Michell Seed House, 518 Market st., has gone South on a business trip for a few weeks. He will visit Washington, Baltimore, different parts of Virginia, and some other southern points. The Henry F. Michell Co., 1018 Market st., is featuring a collection of eight bedding plants of different kinds in a two-quart berry basket, which is meeting with a large sale. It is also offering "Tree Tangle Foot" with which to protect trees from the attacks of insects. This company has placed its orders for between six and seven million bulbs, and is now booking orders for future delivery. J. Rosnosky, traveling salesman for the company, says that the proper culture of French Trumpet Major for Christmas blooms is not in flats, by which method 60% often come blind, but in 8-in. pots, eight bulbs to the pot, wetted once, and placed in the dark, under a bench, until well rooted, and then brought out into the light. The opinion of others as to the best treatment of Trumpet Major would be profitable.

W. Atlee Burpee & Co., 475 No. 5th st., now have their Turnip Seed List ready for distribution.

The Callan Pure Seed Bill

This Bill, which has suffered many changes of phraseology and intent of purpose in its progress through the House of Assembly and the Senate of New York State, has now passed its third reading in the latter. As the Bill now reads, it forms a strong contrast to its original wording, and has been again considerably mutilated since its last publication in our issue of May 14, page 851.

"Section 342—Provisions concerning Actions" has been stricken out altogether. This is a very important part of the Bill, so far as relates to the seedsmen's interests.

In Section 340, the passage which originally read: "No person shall sell, offer, expose," etc., and which was changed by the Assembly to "No wholesale or retail dealer shall sell, offer, expose," etc., in the Senate Bill is now changed to read "No wholesale or retail dealer, firm or corporation, shall sell, offer, expose," etc. This, probably, is the most radical change in the Bill, and as now presented, has the appearance of a straight case of class legislation, as under its provisions, the producer (grower) can sell his seed to the consumer without his being in any way amenable to the law, whereas the "wholesale or retail dealer, firm or corporation," is hounded on all sides by onerous restrictions.

Under these circumstances, it is of the utmost importance and to the advantage of the dealers throughout the State, that they write the Governor not to sign this Bill, basing their claim principally on the fact that the Bill as now passed is a class bill and does not cover as it should the point sought to be enforced by the Callan Bill, which is that the interest of purchasers in general shall be enforced at all possible points of supply.

Boston Seed Trade

On account of the unusual rush of business, W. W. Rawson & Co. were compelled to omit publishing the April and May numbers of their very interesting monthly pamphlet, "Plant Talk." The issues, however, will be resumed for June.

French Seed Crop Report

According to a report which Charles Johnson of Marietta, Pa., agent for the United States and Canada of Denaiffe & Son, seed growers of Carignan, France, has sent out the prospect for seed crops of biennials, on June 6, was as follows:

Beet, good; Swiss Chard, badly flooded, nothing; Mangel Wurzel, good, except Golden Tankard, of which roots lost, nothing; Kale, nothing; Brussels Sprouts, tall, badly flooded, nothing; Cabbage, generally good, but Select Early Jersey Wakefield and All Seasons poor, and Glory of Enkhuisen, Charleston Wakefield and Surehead, badly flooded, nothing; Carrott, good; Cauliflower, good; Celery, Paris Golden Self-Blanching, nothing, and all other varieties poor; Leek, all varieties, good; Onion, Ailsa Craig, good, other varieties little or nothing, large White Tripoli and White Victoria complete failure, with other varieties to be reported on later; Parsnip, good; Parsley, plain, Double Curled and Moss Curled good, Emerald and Hamburg-rooted, badly flooded, complete failure; Radish, nothing; Ruta Baga, White Swede, nothing, other varieties good; Turnip, poor.

"Good" indicates that expectations have been based on favorable conditions continuing till crop has been harvested. "Poor" indicates that insufficient plants or roots survived or were preserved. "Nothing" or "complete failure" indicates that all plants or roots or bulbs perished or were lost. Good growing weather now prevails, with ample warmth and sunshine. All plants are progressing finely with the difference noted that growth appears a little slower in fields which were flooded the most.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Asparagus Plumosus Nanus
Fine plants, from 4-in. pots, $8.00 per 100; 2-in. pots, nice plants, $2.00 per 100.
ASPARAGUS Sprengeri, strong, from 3-in. pots, $5.00 per 100; 2-in. pots, $2.00 per 100.
CYPERUS ALTERNIFOLIUS (Umbrella Plant), 2-in., very fine, from seed, $2.00 per 100.
Cash with order, please.
GEO. J. HUGHES, Berlin, N. J.
Please mention the Exchange when writing.

A Few Good Things You Want
ROSES, Bride, Bridesmaid and Golden Gate, 3-in., $5.00 per 100.
DRACÆNA Indivisa, 3-in., $6.00 per 100; 4-in., $10.00 per 100.
BEGONIA Rex, 2-in., $5.00 per 100.
ASPARAGUS plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100. Cut sprays, 25c. per bunch.
GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $6.00 per 100.
FERNS, Whitmani, 4-in., 25c. each. Boston, 4-in., 15c. each; 5-in., 25c. each.
COLEUS, ALTERNANTHERAS, red and Yellow, VERBENAS, HELIOTROPE, CIGAR PLANT, SALVIA (Scarlet Sage), Zurich (always in bloom), VINCA Variegata, 2-in., stock of these, $2.00 per 100.
Cash with order, no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.
GEO. M. EMMANS, NEWTON, N. J.
Please mention the Exchange when writing.

TRADE LIST
CLEMATIS paniculata, strong plants, $10.00 per 100; 3-in. pots, $5.00 per 100.
DRACAENA Indivisa, 4-in. pots, $10.00 per 100.
ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100.
PASSIFLORA caerulea, 3-in. pots, $5.00 per 100.
ALTERNANTHERAS, four varieties, 2-in. pots, $2.00 per 100.
SWAINSONA alba, 2½-in. pots, $3.00 per 100.
AMPELOPSIS Veitchii, 4-in. pots, $10.00 per 100; 3-in. pots, $5.00 per 100.
IVY, Hardy English, 4-in. pots, $10.00 per 100; 3-in. pots, $5.00 per 100.
ROSE GERANIUMS, 3-in. pots, $4.00 per 100.
CHRYSANTHEMUMS, Golden Glow, White Cloud, and Pacific Supreme, 2½-in. pots, $3.00 per 100.
CLEMATIS Vitalba, strong seedlings, $1.00 per 100; $8.00 per 1000. This is a very useful and fast growing variety of Clematis, bearing long sprays of sweet scented white flowers.
Plants from 2½-in. pots, $3.00 per 100: ACHYRANTHES; PARLOR IVY; AGERATUM, blue; COLEUS, Verschaffeltii, Queen Victoria, Quatricolor; SALVIA Bonfire, HYDRANGEA Otaksa, Thos. Hogg; BOUVARDIAS, double and single white, Pink, Scarlet and Humboldtii.
HONEYSUCKLE, WOODBINE. Plants, from 4-in. pots, $1.50 per doz.
C. EISELE
11th & Westmoreland Sts., PHILADELPHIA, PA.
Please mention the Exchange when writing.

Bargains
YOUR LAST CHANCE
This advertisement will not appear again
AGERATUM, Blue or White, 2½-in., $2.00 per 100.
ALYSSUM, 2½-in., $2.00 per 100.
BEGONIA Vernon, 2½-in., $2.50 per 100.
COLEUS, Golden Bedder, Verschaffeltii, or Decorative Varieties, 2½-in., $2.00 per 100.
FUCHSIAS, 8 varieties Mixed, 4-in., $8.00 per 100; fine 2½-in. stock, $2.50 per 100.
GERANIUMS, fine 3½-in. plants of 10 Standard Varieties, any one or mixed, $5.00 per 100.
PRIMULA Obconica, 3½-in. plants, $5.00 per 100.
SALVIAS (Scarlet Sage), 3 and 3½-in. $3.00 per 100.
ASTER PLANTS, from 2¼-in. pots, $2.00 per 100.
ROSE GERANIUMS, 3½-in., fine stock, 6 varieties, $5.00 per 100.
Mme. Salleroi GERANIUMS, 2½-in., $2.00 per 100.
PETUNIAS, 2½-in. fine Single Mixed, in bloom, $2.00 per 100.
CARNATION PLANTS, from 2½-in. pots, Enchantress, Lady Bountiful, Perfection, Crane, and Harlowarden, etc., $3.50 per 100.
FINE LARGE CABBAGE PLANTS, 8 varieties, $1.50 per 1000.
FINE LARGE PEPPER PLANTS, 8 in. tall, $5.00 per 1000.
All plants over 25 sold at 100 rates.
Liberal count; try them.
ALONZO J. BRYAN
WASHINGTON, NEW JERSEY
Please mention the Exchange when writing.

SPECIAL OFFER OF
BEDDING PLANTS
1000 ALTERNANTHERAS, red and yellow, 2c.
100 ASPARAGUS Plumosus, 3½-in., strong, $7.00.
200 ASPARAGUS Sprengeri, 3½-in., $6.00 per 100.
100 Jean Viaud GERANIUMS, 4-in., $4.00; 100 Alphonse Ricard, 4-in., $6.00; 100 S. A. Nutt, 4-in., $5.00; 100 Nutt, 3-in., $3.50.
TRADESCANTIA, red and green variegated, 2½-in., 2½c.
100 VINCAS, 2½-in., $2.00.
150 Bronze CANNAS, Egandale, 4½c. each.
Above all nice healthy stock.
THOS. R. FRIES 725 First Street LANCASTER, PA
Please mention the Exchange when writing.

LOOK! LOOK!

Surplus Stock of Bedding Plants at Stinging Prices

I Offer These to Make Room for Arriving Importations

CANNAS, J. D. Eisele, 4-in., $8.00 per 100; **Bismarck, Richard Wallace, Kate Gray**, 4-in. pots, $7.00 per 100.

BEGONIA FLAMBEAU, 6 in. pots, 18 to 24 in. high, for boxes and vases, 25c.

SCARLET SAGE, Clara Bedman, 3-in., 3c.

AGERATUM, blue, 2-in., 3c.

HELIOTROPE, blue, 4 in. pots, $7.00 per 100.

ENGLISH IVY, 3-in. pots, 18 to 25 in. high, $5.00 per 100.

GERMAN IVY, 2½-in., 3c.

VINCA Variegata (Periwinkle), for vases or window boxes, 3-in., 3c.

FUCHSIAS, assorted colors, 4 in., $7.00 per 100.

GERANIUMS, La Favorite (double white), Beaute Poitevine (one of the best salmon double), **Jean Viaud** (double pink), 4-in. $7.00 per 100.

PETUNIAS, double, assorted colors, 4 in., $7.00 per 100.

LANTANAS, assorted colors, 4 in., $7.00 per 100.

NASTURTIUM, 4-in., in bloom, $6.00 per 100.

RICINUS or Castor Oil Plants, 4-in., 15c.

ECHEVERIA GLAUCA, good strong plants, $3.00, $4.00, $5.00 per 100.

ASTERS, German, Queen Victoria, 4 separate colors, 2 in. pots, $3.00 per 100.

ZINNIA elegans, 2½ in., $3.00 per 100.

Small plants, 2½ to 3-in., $3.00 per 100:

VERBENAS, assorted colors, **PHLOX DRUMMONDI**, dwarf or grandiflora, French dwarf **TAGETES** (the Queen of Marigolds), **COSMOS**, assorted; **COLEUS, Verschaffeltii, Queen Victoria** and **Golden Bedder** (fancy colors, $4.00 per 100; **NASTURTIUMS** (dwarf); **SWEET ALYSSUM, Little Gem** or **Carpet of Snow**; **TRADESCANTIA, THUNBERGIA** (Black-Eyed Susan); **MAURANDIA** Barclayana; **IBERIS** or **CANDYTUFT** (white only); **SALPIGLOSSIS; LOBELIA, Crystal Palace** (blue), dwarf or trailing; **DUSTY MILLER** or **CENTAUREA** Gymnocarpa.

PETUNIAS, Cal. Giant, 3-in., best strain, 2c.

In **NEPHROLEPIS** or **FERNS** we have the following: **Scottii, Whitmani** and **Boston**, medium size, 4 in., 20c. **Scholzeii**, medium, 4 in., 25c.

PRIMULA Obconica, 5-in., in bloom, $2.00 per doz.

DRACAENA Indivisa, 5 to 5½-in., 25c.

KENTIA Forsteriana and **Belmoreana**, 25-30-48 in., $1.00, $1.25, $1.50, $1.75 to $2.00.

CRIMSON RAMBLER ROSES, 7-8 in. pots, 75c., $1.00, $1.25 each. **Dorothy Perkins**, one of the newest best pinks, pot grown, 2 to 3 years old, 35c., 40c., 50c.

FICUS ELASTICA, 4 in. pots, 25c.

Don't forget we are the wholesale growers and shippers of the genuine **MOON VINE**, the **Ipomoea Noctiflora**, for which we have had, for the last 25 years, a world-wide reputation. A rapid grower; grows in one season 50 ft. and over with thousands of pure white, waxy, fragrant flowers as big as a saucer. We ship 25,000 every season to every state in the Union, Canada and Mexico. 2½-in. pots, $5.00 per 100; 4-in., staked up, $12.00 per 100.

ARAUCARIA excelsa. First consignment just arrived from Antwerp, in their original packing. 2-3-4 year old, 3-4-5-6 tiers, 12-16-18-20-26 in. high, 35c., 50c., 60c., 75c., $1.00 to $1.50.

ARAUCARIA compacta, **Robusta** and **Glauca**, $1.00, $1.25 to $1.50.

All plants must travel at purchasers' risk.

Cash with order, please.

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Wholesale Grower and Importer of Pot Plants

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DRACAENA INDIVISA

A Fine Stock In All Sizes
4 inch, 12 to 15c.; 5 inch, 20 and 25c.; 6 inch, 35 and 50c.

SCOTTII FERNS, 5 inch, 25c.; 4 inch, 15c. each; and 2¼ inch, $4.00 per 100.

COCOS WEDDELLIANA, 2¼ inch, 10c. each, $9.00 per 100.

ASPARAGUS PLUMOSUS, 2¼ inch, strong, $3.00 per 100; 4 inch, $10.00 per 100.

SALVIA BONFIRE, 2¼ inch, $2.50 per 100.

HENRY WESTON, Hempstead, N.Y.

Please mention the Exchange when writing.

DRACAENA INDIVISA

A few hundred strong, clean, healthy plants.

5 inch pots, 25 cents; 6 inch pots, 35 cents each.

Alexander Dallas, 119 Grand Street, **WATERBURY, CONN.**

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Strong, 4-inch, $10 00 per 100.

ASPARAGUS SPRENGERI, strong 2½-inch, $3.00 per 100.

ASPARAGUS PLUMOSUS, 2-inch, $2.00 per 100.

WETTLIN FLORAL CO., Hornell, N. Y.

Please mention the Exchange when writing.

A1 STOCK

DRACAENA Indivisa, 5-in., $2.50 per doz.; 6-in., $4.00 per doz. **VINCA** variegata, 4-in., $10.00 per 100. **IVY GERANIUM**, 2½-in., $3.00 per 100. **GERANIUMS**, Nutt and other good varieties, 4-in., $8.00 per 100. **FIELD-GROWN PANSIES**, German Strain, $1.00 per 100, $8.00 per 1000. **H. P. ROSES**, 6-in., just right for Memorial Day, $6.00 per doz.

F. C. RIEBE, Webster, Mass.

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Vinca Variegata, 2½-inch pots, **$2.50** per hundred.
Cash with orders please.

E. L. RILEY, Trenton, N. J.
R. F. D. No. 2.

Please mention the Exchange when writing.

WE will advertise through your paper again, beginning next August (our season), as the results from The Florists' Exchange have been very satisfactory this Spring.

Address of this Advertiser on application.

Detroit

Once upon a time this Spring we were ahead fully four weeks as compared with other years, but the abominable weather conditions existing now have all vegetation put back fully two weeks from the average. During the nights of May 31 and June 1 Coleus was badly injured by frost at the Woodmere Cemetery. Outdoor planting is far from being completed and what was done weeks ago shows the bad effects of the weather.

Growers of Carnations are complaining to a great extent, partly because outdoor operations are so much delayed and partly because the ground is in poor working condition by virtue of continued rains.

We all sympathize with our fellow florist, Fred Pautke of Grosse Point, who mourns the loss of his four-year-old baby girl. FRANK DANZER.

Skaneateles, N. Y.

J. G. White, the leading florist here, is very pleased with his Winter and Spring trade. Memorial Day was the best he has ever had; a large cut of Carnations and Sweet Peas helped him out considerably. The long continued wet weather has lengthened out the bedding season and there are yet a great many beds to plant. He has a very large cemetery trade, vases being most generally used.

All his bedding stock is very good; Coleus and Geraniums particularly so. A good batch of Ferns and Asparagus is coming along nicely for Fall and Winter trade. A large block of Chrysanthemums promises well. The whole place is kept beautifully neat and clean, fit for any one to walk through. Some wealthy New York families spend the Summer at this delightful village. H. Y.

New Bedford, Mass.

Business since Memorial Day has been good. Things are now down to normal again. Carnations are quite plentiful and retailing at 50c. and 60c. per doz. Good Roses are retailing at $1.50 per doz. Sweet Peas from indoors, are about done for. Callas are pretty well played out. Snapdragons are in good supply; 75c. and $1 per dozen retail is the general price.

Outdoor flowers are plentiful, that is those cut from shrubs. Everything is looking green, the recent copious rains, having a good effect on lawns, etc. Geraniums are selling well. Pansies and Daisies are about all gone, also Forget-me-nots.

Everybody is well satisfied with Memorial Day trade, some of the florists having to work all night to deliver orders and make up.

S. S. Peckham had about 15,000 Stocks to cut from, also thousands of Geraniums. G. G. Davis had somewhere near 25,000 Stocks. Most all of the growers got their Stocks and Candytuft in on time. R. H. Woodhouse was fortunate in having about 3000 late Tulips to cut from; these worked in fine. Wm. P. Peirce and E. H. Chamberlain had some fine Hydrangeas in pots which sold well.

Funeral work has been very good. About all the young Carnation stock in this section has been planted out; some nice rains have helped to start them off well. Many of our florists are busy planting young stock of 'Mums. There is a good demand for Tomato plants, grown in little pots. HORTICO.

The Week's Work

BY FRITZ BAHR

Asters

Planting Out the Late Sorts

The planting out of the late-branching Asters is taking up a good deal of our time this week. Years ago, we put this work off until we were through with the main part of our Spring bedding out for our customers, and the result, usually, was poor Asters during August and September, and when we had to fill an order which called for good ones, it meant a telephone message to the wholesale house. This is a poor way for any retail grower who has a place and facilities for growing his own stock. Asters are far too important flowers to be in any way neglected. There may be times when it doesn't pay to grow them for the market, but as long as you have a demand for them at home you should plant out plenty of them. No matter how busily engaged in filling window boxes or beds for your patrons, don't let this interfere with attending to the transplanting of the young Aster stock. Take time to get the plants to the field and do not allow them to get crowded in flats or in the cold frames; it doesn't take long for them to grow spindly. If neglected they will send up flower stems and when this happens there is little hope of ever getting good flowers from such plants. Don't bother with such stock, it is far better to invest a few dollars in good plants.

Cyclamens

The Care of the Young Stock

If you didn't neglect the young stock up to this date there is every reason to believe that you will keep on giving it the attention it deserves after this date; but should, for some reason, the little plants appear to be stunted it will be far better to get a new supply and throw your own away. For ordinary use during the Winter months where a good bushy 5" or 6" pot plant is desired, such as you can retail at from 75c. to $1.50, give me a good live 2" pot plant now. Such a plant, if at all given a show, will surely finish. Don't get the impression that you haven't got the right soil on the grounds to grow Cyclamens successfully, for there are many splendid specimens grown in poor soil; and, again, plants in the very best of leaf mold and mellow, sandy loam are ruined by improper treatment. From now on, the Cyclamens need quite a good deal of moisture. To expose them to a dry and hot atmosphere will ruin the plants. If you have only a few hundred, keep them inside, where you can see and attend to them. During the day time, keep the house, by spraying, ventilating and light shading, as cool as possible. Wet down the walks several times during hot days. Refresh the plants by spraying them; don't allow the leaves to wilt too much on account of sun and heat. A light spraying toward evening is of great benefit and helps to get fine foliage, and that is so important. There is such a thing as over-potting. If a plant is pot-bound, and at the same time doesn't appear to have leaves in proportion, the trouble is not with the soil or the size pot the plant is in, but the atmospheric conditions which surround the plant. Look for a remedy there and do not give the plant a shift in order to make good.

Chrysanthemums

Some of the Early Commercial Varieties

To the beginner, the man who perhaps grows only a small house of Chrysanthemums, it is always important to plant such varieties as are what we term "easy to do." That means such as will, if only given ordinary culture, produce fair flowers. For him to plant a dozen different early sorts would be wrong, for he might have work to get twelve salable flowers of one variety ready for cutting at one time. A better way, by far, is to rely on about three standby's, such as have proved to do well almost anywhere and which, while perhaps not so finely finished or formed, will give the greatest percentage of salable flowers—that is the kind which usually brings in the dollars to the small retail grower. Always give the novelties a trial, but a few of them will be sufficient to give one an idea as to their merits. Don't make the mistake of filling up the benches with numberless different sorts. We all have our favorites; some will respond better than others to our way of treating them, but there are some which are leaders and found almost in every place; among them, for a white, Estelle is one you

CYCLAMEN

PERSICUM GIGANTEUM

Fine bushy plants, from 3-inch pots, $5.00 per 100, 4-inch pots, $10.00 per 100. Cash please.

Give us a trial; we can please you!

J. W. MILLER
Shiremanstown, Pa.

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CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable, in 5 colors including fringed varieties, from 2½-in. pots, $5.00 per 100, $45.00 per 1000; from 3-in. pots, $7.00 per 100, $65.00 per 1000. Now ready.

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ORDER NOW For June Delivery

Begonia Gloire de Lorraine
2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen
2½-in., $5.00 per 100, $45.00 per 1000

Poinsettias
2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis
2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.
Scranton, Pa.

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Begonia
Gloire de Lorraine

FOR JUNE DELIVERY
2¼-inch repotted Stock

Price, $15.00 per 100

SCOTT BROS.
Elmsford Nurseries, ELMSFORD, N. Y.

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Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

can always rely on. For a yellow, Monrovia is one of the best; and for a pink, Glory of the Pacific should be selected. Don't lose one minute in getting ready to plant the young stock out after this date. Most of us are getting all kinds of room from now on and the sooner the early 'Mums are planted the better. August 15 and later is about right to select the buds, if you want early flowers. There is plenty of time yet for the benching of the midseason and the late sorts, and I will write of them later, but the early ones should be getting established now in the benches, and those fortunate enough to have had a chance to plant them a month ago should feel well satisfied.

Perennial Notes

Work for June

We experienced a most successful season in the sale of potted hardy stock, especially perennials. There was a heavy call for Shasta Daisies, Coreopsis, Gaillardia and a few others which were sown out last December and kept growing on in a cold house during the Winter months; and while even at this date we have en occasional call for stock of this kind, it is as well to plant what is still on hand into the field, and by Fall any of them will make fine clumps for planting your customers' borders with. Select a well drained location and have the soil thoroughly, as well as deeply cultivated. The small plants of Delphiniums, Digitalis, Campanula, Dianthus and others sown out six weeks ago into the cold frame need transplanting now. Don't let them suffer for the want of room, keep them clean and the surface of the soil between them stirred up. It isn't water they are in need of most during July and August, but cultivation. Their time to grow is when the cool nights come again, in a couple of months from now. They are sending out roots now and are getting ready. It is not too late, by any means, to sow out a liberal sized package of most of the perennials we grow from seed. If at all interested, get busy! There is a greater demand for this class of plants than ever; are you getting your share of it?

English Ivies and Vincas

Prepare Good Stocks for Next Year

After all, there are but few plant arrangements you can make which will be as satisfactory or give a richer effect than a veranda box filled with a good, dark red Geranium, and English Ivy for a vine or covering for the sides of the box. With us, there has been an unusually heavy demand for the Ivies of late years. We have propagated and grown them for the bedding season for over thirty years, and have seen many Springs when the plants couldn't be given away. But of late years boxes for sunny places filled with them and Geraniums, and for more shady exposures tuberous rooted Begonias and Ivies, have had a heavy call. Now is the time to plant out any small stock which may be on hand. In the field, they will by Fall make splendid plants for next Spring's use, whether you have rooted cuttings or 2" stock to begin with now. If short on both, now is the time to buy a good supply. It is far cheaper to do so now and grow on your own plants than to wait till you are ready to use them for the boxes. I don't believe in the retail grower raising all of his stock. Quite often be can buy certain plants much cheaper and better from the specialist, but there are other things he ought to grow himself, and the Ivies, and variegated as well as green Vincas, are among them. Neither requires any extra culture to get them fairly good, and all three are of great value to him. The market is usually cleaned up of any half way decent stock long before the bedding season is over. Only the man who has had to run all over in order to secure a few dozen plants for a certain order can appreciate what it means to him to have a good supply of his own on hand. Get ready now for the next season. See to it that a good number of each is planted out; neither of them will require any especially prepared soil; they grow and thrive most anywhere, but, as with almost everything else, good soil deeply cultivated produces best results.

Bouvardias

Include Some in Your Next Winter's Stock

It is time now to plant out a good number of these valuable plants. A part of a bench filled with them next Winter will pay for themselves as well as anything the retail grower can handle. Small plants, out of 2's or 2½'s planted out in the field now and pinched back will make fine stock for housing next September. Another of the useful plants for many of us is the Jerusalem Cherry, or Solanum capsicastrum; the small seedlings which by this time are either in 2½" pots, or flats, should be planted out now for the Summer. They also need pinching back otherwise they might grow into tall, spindly plants, and dwarf bushy specimens are what you want. Give them room in and between the rows, so as to give each plant a fair show. Quite a number of growers prefer pot culture for them during the Summer months, as in that way they obtain plants which, while not so large as the ones planted out, produce a greater amount of fruit, and that means a good deal. It is an excellent plan to give both methods a trial. You may be more successful with the outdoor culture, because the plants are more easy to attend to during the hot months of July and August when in the field than when in pots.

WE are entirely sold out in all the stock we have been advertising. Your paper certainly is a hustler.

Address of this Advertiser on application.

Why Delay Ordering Your Begonia Gloire de Lorraine?

You will soon want them sure. We are equipped better than ever to supply Excellent Stock; 2½-inch pots, twice transplanted, at $15.00 per 100, $140.00 per 1000.
CYCLAMEN, 3-inch pots, $7.00 per 100; 4-inch pots, $15.00 per 100.
POINSETTIAS, 2½-inch pots $5.00 per 100; $45.00 per 1000. Write us for Katalog.

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

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Connecticut Horticultural Society

Pansy Night was observed by our Society on the 27th of May, though a little late in the season; and when any one among us speaks of Pansies, John Gerard, our Pansy specialist, of New Britain, comes into view as an inseparable concomitant. Hence we had the pleasure of listening to an able address by Mr. Gerard on "The Merits of the Different Pansy Strains." Thirty-eight years ago, he began the cultivation of his favorite flower; and he has tested nearly all the novelties since produced, and has found only about a dozen to be of special merit. He traced the history of the classifications of the Pansy, commencing in 1840, when they were first divided into French, English and German strains; the first five-blotched type having originated in Switzerland. He illustrated his descriptions of the various strains by picking out specimens from a beautiful collection of blooms brought for this occasion and not for competition. In the advancement in the production of beautiful colors in Pansies, he stated that scarlet is the only color missing to complete the red shades, and that the prominent growers in Europe had offered a reward for the origination of a Pansy of that color. At the close, Mr. Gerard answered many questions regarding the culture of this flower, and emphasized heat as being its greatest enemy.

A fitting vote of thanks was expressed to the speaker for giving us the benefit of his long and intelligent study of the subject. President Huss introduced him as being one of the highest authorities in the country, in all matters pertaining to the Pansy.

Oscar F. Gritzmacher of New Britain, and Wm. W. Myers of Hartford, brought handsome collections of Pansies for competition; and the judges, Messrs. Alex. Cumming, Jr., James P. Ralph and Howard A. Pinney, awarded a certificate of merit to Mr. Gritzmacher, and recommended that a vote of thanks be given to Mr. Myers. The latter also exhibited a specimen Lemon, grown in his greenhouse, on a tree three years old and two feet high, the Lemon weighing twelve ounces.

One new member was received into the Society, S. H. Bancroft, of 20 Bodwell street, Hartford.

Our schedule for the two Fall exhibitions is now about completed; and we are thankful for two premium contributions by seedsmen, one of $25 by Arthur T. Boddington of New York, for vegetables; and one of $5 by Henry A. Dreer of Philadelphia, for his new "Susan" Dahlia. All such gratuities tend to the betterment of our exhibitions, and also increase the friendly rivalry among exhibitors. We hope to receive other similar offerings.

The recent lecture by Prof. John J. Ruegg, of Clifton, N. J., on "The New Science of Fertilization and Insectization" was much appreciated by a large audience; and some that hitherto have looked upon the Lava fertilizer question as unworthy of attention, have expressed much interest in the subject, and a desire to see this idea experimentally tested.

Our meeting of June 24th will probably be observed as "Hardy Rose Night," with a fitting paper on the subject.

President John F. Huss expects to sail, on July 7, for a two-months' sojourn in his native country, Switzerland.

GEORGE W. SMITH, Secretary.
Melrose, Conn., June 3, 1910.

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The Greatest Rose Novelty of the Age

Is Creating a Great Sensation and Selling Rapidly. They sell as soon as you describe them to your customers. Color a Violet Blue, perfectly hardy, free bloomer; strong, pot-grown plants, $2.50 per dozen, $18.00 per hundred, prepaid. Send your orders in at once, as our stock is limited.

T. N. YATES & COMPANY

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A BLUE ROSE

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It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy and free blooming.

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THE NEW CLIMBING ROSE

See our Display Advertisement, page 772 April 30th Florists' Exchange

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4-inch pot plants, $3.50 per dozen, $25.00 per 100.

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American Beauty, 3 inch pots	$7.00	per 100,	$65.00	per 1000
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Smilax, 2 inch pots	2.00	"	18.00	"

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AMERICAN ASSOCIATION OF NURSERYMEN

F. H. Stannard, Ottawa, Kan., President; N. P. Stark, Louisiana, Mo., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., treasurer. **25th Annual Convention at Denver, June 8, 9 and 10.**

MUSKOGEE, OKLA.—Application was made in the Superior Court on May 26 for a receiver for the Hyde Park Nursery Co. The date fixed for answer to the summons is June 24.

SHERMAN, TEX.—The Texas Nursery Co. has purchased 1000 acres of land in Hidalgo County, for a cash consideration of $40,000. The company will grow Oranges and Grape Fruit.

FRANKLIN, MASS.—M. J. van Leeuwen, manager of the Continental Nurseries at this place advises us that his firm have had a splendid although a very short season. The notice given in the EXCHANGE last Fall, of Berberis Silver Beauty, was the means. Mr. van Leeuwen reports, of their making considerable sales of that stock.

THE EVILS OF INSPECTION.—According to a La Crosse, Wis., newspaper, a large shipment of Oaks, Roses, fruit trees, and other stock for several days awaited in that city the arrival of Entomologist and Chief Inspector J. G. Sanders from Madison. The newspaper says: "The shipment arrived from Europe in fine condition and Inspector Sanders was notified immediately. Telegrams and letters have failed to bring him and park officials are getting uneasy, as the plants and trees should be planted."

G. W. Van Gelderen of Boskoop, Holland, sailed for home June 8, per S. S. Lusitania. That gentleman reports that from his observations during the four months he has traveled in the United States for the purpose of soliciting orders for nursery stock, the demand for same, it is apparent to him, has increased yearly, and he believes there is a good future in this country for the nurserymen. As to his own business, he expresses himself as being well satisfied, having taken more orders than ever before.

Our contemporary, The National Nurseryman, published at Rochester, N. Y., has disseminated a very nicely printed pamphlet of 64 pages, gotten up with the idea of advancing interest in the 35th annual meeting of the American Association of Nurserymen at Denver, Colo., which takes place this week. The pamphlet gives a résumé of the program, a short history of Denver, an article on horticulture in the West, and includes accounts of many of the prominent Western nurseries, these being embellished by photographs of several well-known owners thereof. A few well selected and handsomely printed views of Denver and vicinity serve to give particular value to this publication. We congratulate our contemporary on its enterprise.

Elm Leaf Beetles Two inquiries came to this department this week, one as to what to do to protect Elm trees from the beetle which eats the leaves of the tree, the other asking what it is that eats the leaves of Pine trees, "leaving behind a conical, brown gummy substance."

Last year about this time, an official of one of our spraying departments handed in the following in response to an inquiry regarding the Elm leaf beetle. "As soon as the beetles appear, spray trees with arsenate of lead, 3 lbs. to 50 gallons of water; band trees with burlap, tied loosely, as soon as the beetles commence to pupate; take off every three days and destroy the catch; when effects of arsenate of lead have disappeared spray again." This is good advice. Formerly Paris Green was used for spraying, but arsenate of lead is more popular today, because it does the work as thoroughly and adheres to the foliage better. When trees are large a man climbs them with the hose while his helper does the spraying.

The second inquiry, which refers to something eating the Pine needles, refers without a doubt to the bagworm, a too well known enemy of some evergreen trees, particularly of the Pines and Arborvitæ. The "conical, brown, gummy substance" is the home of the worm, which it carries about with it; when it is feeding it shows its head only, the rest of its body being in its house, thus those unacquainted with it have no idea of what it is that does the damage.

This worm can be destroyed easily, either by spraying with arsenate of lead or by picking off all the bags seen. The latter plan is an easy one, and takes less time than spraying. The worms should be burned when gathered.

Bechtel's Double-Flowering Crab Since writing the notes on Bechtel's double-flowered Crab, which appeared in our notes recently, we have secured a good photograph of a nice young tree of it in perfection of bloom, which we illustrate herewith. This tree, as understood, is a double form of the wild Western Crab, Pyrus Ioensis, and assuredly it is one of the handsomest of early Spring blooming small trees, its pink flowers resembling small double Roses.

If one's recollection is not amiss, it was discovered by the Bechtel folks in the corner of an old garden, where it must have been planted by some one who first discovered it; but we are not sure we have this quite right.

It will soon be the season to bud this ornamental tree on the common Apple stocks, July and August being the usual months for the work.

If florists would have a lot of these in pots to sell in Spring, when in flower, there would be few left unsold. It is a beautiful thing.

[Mr. Meehan's first notes on the Bechtel double-flowered Crab appeared on page 895 of our issue of May 21. Subsequently, in our issue of June 4 (page 991) Professor John Craig of Ithaca, N. Y., writes a warm recommendation of the Bechtel Crab.—ED.]

Pyrus Ionesis. Bechtel's Double Flowered Crab

Golden Privet for Hedging The California Privet with light golden leaves is well known to almost everyone who has had to do with the common green one, because the golden form is apt to run back to the green again, and then, when this green part is propagated from, very often its shoots will take on the golden leaves afresh. This has deceived many into the belief that they had found a treasure when, unaware of the fact of there being a golden leaved one known, they discovered a branch with golden leaves springing out from their green bushes. This golden leaved form did not satisfy those who grew it. It has a habit of running back to the green form, making much work in cutting out this latter growth, besides that it seemed to lack the vigor of the ordinary green one.

Reference is made to this one as a preliminary to the mentioning of a much superior yellow leaved variety now getting well known about Philadelphia. The yellow color is of the best, its growth also is all that could be desired so that its great popularity is well merited. This latter is now usually understood to be intended when speaking of the Golden Privet.

Whether as a hedge of the usual size or as one of a dwarf character, it fills the place well. It is frequently found used as a golden border to flower beds, kept down in height to about 12 inches; again it is seen as a hedge of four feet or more, and in either of these as well as in other positions, it always appears as a most attractive object.

Grown in tubs for lawn use to place near dwellings or in other positions it is unsurpassed in its way, there being no other golden leaved plant of greater merit. Golden Yews are always in demand, and well they may be, but in their case the golden color is not as prominent toward the close of Summer as at its commencement. The Yew is evergreen, it is true, but so is the Golden Privet when in a building in Winter and even when outdoors in a well sheltered place.

Andromedas Japonica and floribunda One of our readers, who had found much trouble in getting something nice to plant at the corners of an enclosed cemetery lot, tells us he has hit on the very thing in the evergreen bush, Andromeda Japonica. He had thought of many things and had tried quite a number, but there seemed objections of one kind and another to all tried or thought of until, seeing some of this Andromeda, he secured plants thereof, and finds now they answer perfectly, being evergreen, bushy, dwarf growing and bearing panicles of lovely white flowers in early Spring.

Its hardiness, too, is greatly in its favor. He was undecided at first between it and our native species, A. floribunda, but the brighter green leaves and more compact habit of the former won the day as against this latter. A. Japonica possesses another feature not often referred to which is that the foliage, when unfolding in early Spring, is of a reddish pink color, contrasting well with the green of the older leaves.

It is an evergreen of great merit wherever used, but it is referred to now as a suitable one for cemeteries because so many persons inquire of florists for a hardy evergreen of dwarf compact habit for this purpose.

Salamoni Willow Salix Babylonica Salamoni is a weeping Willow, and may be described as sturdier and less drooping. For many situations it is better adapted than the type, that is, wherever a less drooping one is the main consideration. Those unaware of there being such a kind in cultivation become puzzled when they come on it for the first time. They assume it to be a weeping Willow, but just which one they cannot tell. A Philadelphia nursery claims to have had it years ago, in a collection of Willows imported from Germany.

The greater vigor of the tree, the branches and leaves larger than the common Babylonica and its moderate drooping features, distinguish it from the type. The appearance of S. Salamoni is in every respect bolder than the type.

Is Magnolia glauca Raised from Seeds? At this season of the year the fragrance of the flowers of Magnolia glauca cause many inquiries for the plants from those who meet with the blossoms. But few nurseries have a good stock of this Magnolia, many of the proprietors claiming inability to raise them from seed. There is no trouble in getting the seeds of this and all other Magnolias to grow, treated as recommended in our recent article "Sowing seeds of Magnolias." One reason why plants are not prominent in nurseries is because they are not set in the best position. They like a wet place, without a doubt. It is claimed by some that because found wild in low ground it does not follow this is from choice, it may be from necessity or other circumstances. While true in the case of some plants, this Magnolia, while it will thrive well in ordinary situations, is never as luxuriant as when growing in low deep soil.

In addition to the beauty and fragrance of its flowers the bright green of its foliage must not be overlooked, for this is a very pleasing feature at all times. In our northern climate the foliage is not persistent excepting in well favored places, where hard frosts do not catch it. When near belts of evergreens or other trees that shelter them the leaves are persistent as they are in the South, and even with us, when plants are young and get well covered with snow in Winter, Spring finds them still carrying their foliage in good condition.

In mild climates it makes little difference whether this Magnolia is planted in Fall or Spring, but where Winters are severe, Spring is the better time by far.

F. E.—Best advertising medium for nurserymen

ROSES FROM 2½-INCH POTS

Fine, Clean, Strong, Well-Rooted Stock

	100	1000		100	1000
Chatenay	$3.00	$25.00	Ivery	$4.00	$35.00
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BENCH PLANTS

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Beauties	$6.00	$50.00	Sunrise	$4.00	$30.00
Richmonds	4.00	30.00	Brides	4.00	30.00
Perles	4.00	30.00			

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A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.

Also a fine stock of AMPELOPSIS Veitchii, 2 years, transplanted.

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4 inch pots, grown and staked, strong plants, $10.00 per 100.

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During the Spring of 1910 Peach Trees were very scarce; we will have a good supply of them for Fall and Spring delivery, and are prepared to enter orders now at reasonable prices.

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We have a good prospect for next year and would like to have orders now from responsible parties with a moderate deposit.

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We will have some nice clumps for forcing this Fall.

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On own roots. See prices, page 945 May 28th, The Florists' Exchange.

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All shapes and sizes at lowest prices. Write and be familiar with my bargains.

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FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $2.40. Reviewed Feb. 19, 1910.

THE HEATHER: In Lore, Lyric and Lay.—By the late Alexander Wallace, $1.00. Prospectus.

PLANT CULTURE.—George W. Oliver. Price $1.50; F. E. two years and Plant Culture, $2.00. Prospectus.

PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 27, 1909.

THE ROSE.—H. B. Ellwanger. Price $1.25.

SUCCESS IN MARKET GARDENING.—Herbert Rawson. Price, postpaid, $1.20. Reviewed, April 23, 1910.

SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 50c. Prospectus.

SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.

VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.50. Prospectus.

WATER GARDENING, THE BOOK OF.—Peter Bisset. Prospectus. $2.50.

GOLDFISH, THE, AND ITS CULTURE.—Hugo Mulertt. Price, $2.00. New edition. Prospectus.

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Calochortus

Observations by P. D. Barnhart of Los Angeles, Cal., on How to Successfully Grow this Gorgeous Species of Bulbous Flowers

CALOCHORTUS. This queen of California wild flowers has not been the success when brought under cultivation, even in this the land of its nativity, that its merits warrant, and the expectations of those gardeners who love to see beautiful subjects growing in their gardens. I tried them repeatedly while living in the East, and while they were not an absolute failure they were so inferior in size and color that their culture was abandoned. During April and the first half of May of this year I have roamed over the hills of this State where these beautiful subjects grow to perfection and, charmed with their beauty, sat down among them with the express purpose of thinking out the reasons why we fail, even here, to successfully grow them to that degree of perfection in which we find them in their native habitat. The first essentials to learn in the cultivation of any plant are the conditions and environments under which it grows naturally, and having learned these, if we can imitate them artificially we may reasonably hope to succeed.

For the benefit of the readers of these notes, I shall endeavor to state the condition of both soil and climate as it exists where they grow. First then, the soil. It is a clay or stiff, black adobe, in which they are found, six to eight, even ten inches, beneath the surface. Frost never reaches them. They are started into growth when the Winter

Calochortus

rains begin, which varies as to the time of year. Sometimes enough moisture will dampen the earth to start them into activity as early as October, then again not before the middle of December, and by March 1 they will have made their growth of foliage which is in most varieties two narrow leaves a foot long. The flower then begins to push up and out of the ground, appearing from the fifteenth of April to the first of July, according to the elevation above sea level in which it is found, those growing in the lowest ground blooming first. As a rule the rains have ceased by the time the flower stem appears, the foliage has died away, and the flowers show in all their glory, in soil so dry that one is led to wonder how the bulb will survive. The atmosphere, warm during the day, is cool at night and no fog or even dew moistens it.

To the readers of these notes who live in this State, I would advise that they plant the bulbs in beds by themselves, which have been properly prepared and moderately fertilized, not allowing a drop of water to be applied to it after the soaking given them when planted, and under no circumstances permitting a hoe to be used. Should weeds appear take them out by hand.

To those who have beds devoted to Cacti, Calochortus are admirably suited, and when grown therein need not be lifted when through blooming. If, however, they are grown in the ordinary garden, where flower beds are worked to their full capacity, they must be lifted immediately after blooming, and kept in sand, at least six inches deep, and in such manner that mice cannot get at them, until the season for planting them returns in November or December. There are a number of other flowering bulbs of the same family—Liliaceæ—which flourish under the same conditions, and if planted in the same bed and given the same treatment would give a succession of bloom from March 1 to July: Brodiæa, of which there are five sub-genera, all of them of some shade of violet or blue; Bloomeria, which is yellow; Allium serratum, the flowers of which are composed of three sepals and three petals, magenta colored, borne on a scape a foot high. This is a very attractive flowering bulb and, as the specific name indicates, the flowers when open have the appearance of six saw teeth.

The practice has been, and is yet, to water them as we do Tulips, Narcissus and other flowering bulbs. Herein lies the cause of their failure to do their best. I also discovered that they have made their growth, and the bulb is sufficiently mature to be collected without detriment to them as soon as the flowers begin to fade, which facilitates the work, and when that fact becomes generally known we may hope to get them in greater quantities and perhaps at less cost. But no matter about the first cost, after we have learned how to grow them successfully, they can then be propagated by seed or by the bulblets which grow on the scape between the corm and the surface of the soil. These observations are for that part of the State of California where the average annual rainfall is from six to sixteen inches, and that during the Winter or rainy season only, where the temperature ranges from sixty-five to one hundred degrees and the relative humidity from ten to sixty-five per cent.—generally about fifty per cent. Never lose sight of that important factor, humidity, which makes for success or failure in gardening to a greater degree than is generally supposed.

Coming Exhibitions

Boston, Mass., June 14 and 15.—(Postponed from June 9 and 10, owing to cool weather). Peony exhibition of the American Peony Society and the Massachusetts Horticultural Society at Horticultural Hall, 300 Massachusetts ave. Secretary of the Peony Society, A. H. Fewkes, Newton Highlands, Mass.

Denver, Colo., June 8, 9 and 10.—25th Annual Convention of the American Association of Nurserymen. Secretary, John Hall, Rochester, N. Y.

Elberon, N. J., June 16, 1910.—Rose and Strawberry Show of the Elberon Hort. Soc. Alex. Fleming, Rec. Sec.

Glen Cove, N. Y., June 8, 1910.—Annual Show of the Nassau Hort. Soc. will be held in Pembroke Hall at 4 p.m. Oscar E. Addor, cor. sec.

Minneapolis, Minn., Nov. 10-16, 1910.—Flower Show of the Minnesota State Florists' Association. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

New Bedford, Mass., Sept. 15-17, 1910.—Annual exhibition of the New Bedford Hort. Soc.

Newport, R. I., June 23 and 24.—June exhibition of the Newport Horticultural Society at Masonic Hall. Secretary, Daniel J. Coughlin.

Orange, N. J., October 1, 1910.—Fifth Annual Dahlia Show of the New Jersey Floricultural Society, from 4 to 10 p.m. Schedules on application to William Reid, secretary.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, Secretary, 6473 Florissant ave., St. Louis.

Tarrytown, N. Y., June 14.—June Show of the Tarrytown Horticultural Society. E. W. Neubrand, secretary.

POTASSIUM SILICATE AS A FERTILIZER.—Comparatively recently a new potassic fertilizer has been placed upon the market in the form of potassium silicate. It contains about 9 1-2 per cent. of potash, and although insoluble in water, it is readily absorbed by the roots of plants. Potash silicate contains no salt or other chlorides, and in this respect would appear to possess some advantage over kainit and muriate of potash, the chlorides in which are sometimes found to act deleteriously on growing plants. Where a slow-acting and lasting source of potash is required, this new fertilizer is worthy of trial. Satisfactory results have been obtained in most cases where it has been tried in the garden and field.—*Gardeners' Chronicle* (Eng.).

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MRS. BUCKBEE	2.50

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WHITE BONNAFFON	$2.00
SNOW QUEEN	2.50
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PINK	
PINK IVORY	2.00
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YELLOW	Per 100
MONROVIA	$2.00
ROBT. HALLIDAY	2.50
GOLDEN BEAUTY	2.50
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RED	
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Our stock plants have been grown in solid benches in one of our best and lightest houses since December 1 last. We have largely increased our stock and can fill all orders promptly. We will quote you special prices on 1000 and 2500 lots.

PINK	Per 100
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A. J. Balfour	2.50
Maud Dean	2.50
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Col. Appleton	2.50
Monrovia	3.00
Major Bonnaffon	2.50
October Sunshine	2.60
Golden Glow	2.50

WHITE	Per 100
Alice Byron	$2.50
Jeanne Nonin	2.50
Ivory	2.25
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Rob Roy, Anna Spangle, Irene Cragg, Quinola, $3.00 per 100.

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3½ and 4-inch pots

300 KILLARNEY, 150 BRIDESMAIDS, 100 WHITE KILLARNEY — $15.00 per 100

200 WHITE KILLARNEY, 2 1/2-inch pots — $12.00 per 100

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Chrysanthemums

All the Standard Varieties

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$2.00 per 100, $15.00 per 1000

Stock guaranteed true to name

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Best Commercial Varieties in clean, well-rooted Cuttings

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Golden Glow (yellow) and Yellow Eaton, $2.00 per 100, any quantity.

50,000 MARIE LOUISE VIOLETS, sand rooted cuttings, New York Stock, $2.50 per 100, $20.00 per 1000.

10,000 POTTED CANNAS, in 12 best bedding varieties, $5.00 per 100; send for list of sorts.

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Extra fine young stock, out of 2¼-in. pots. $20.00 per 1000, of Bonnaffon, J. Nonin, Golden Glow, Ivory and Zimmer's Yellow, in great quantity. Rooted cuttings of Bonnaffon and Nonin, $10.00 per 1000.

POMPONS

Klondike, Dinon (Queen of the White), Zenobia, Baby Marguerite and Yellow Baby, $20.00 per 1000. Also a good variety of best sorts for cut flowers.

Cash with order please.

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Owing to non-renewal of lease, following stock grown for own use is for sale: 3000 Pacific, 4000 Yellow Bonnaffon, 2000 White Bonnaffon, 1000 Pink Maud Dean, 1000 Enguehard, 1000 Monrovia, at $20.00 per 1000, out of 2-in. pots. Cash with order.

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Fine, healthy stock, out of soil, $2.00 per 100, $15.00 per 1000. Cash with order.

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The best and only Late White, fine stock, from 2½ inch pots, $8.00 per 100, $75.00 per 1000.

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Chrysanthemums

200,000 Rooted Cuttings Ready Now.

Polly Rose, Pacific, Robinson, Monrovia, Alice Byron, Chelton, Ivory, Bonnaffon, Jones, Duckham, Enguehard, Appleton, Eaton, Beatrice May, healthy stock, $1.25 per 100, $10.00 per 1000. Cash with order.

WILLIAM BECKER

Box 48 FARMINGDALE, (L. I.) N. Y.

Please mention the Exchange when writing.

Chrysanthemums

Polly Rose, Dr. Enguehard, 2¼-in., $2.50 per 100, $20.00 per 1000.

AGERATUM, Stella Gurney, 2¼-in., $2.00 per 100.

SMILAX SEEDLINGS, 50c. per 100, $4.00 per 1000.

Cash with order.

C. A. PETERSON, Madison, N. J.

Please mention the Exchange when writing.

WE have received favorable replies from our advertisements in The Florists' Exchange.

Address of this Advertiser on application.

SPECIAL GRAND Chrysanthemum Offer

1000 OCTOBER FROST or GOLDEN GLOW, out of 2½-inch pots, $17.50; 500 for $9.00.

WHITE VARIETIES.	R. C. 100	R. C. 1000	2½-in. pots. 100	2½-in. pots. 1000
October Frost (500 for $9.00)	$2.00	$15.00	$2.50	$17.50
White Seedling No. 1	5.00	40.00	6.00	50.00
White Seedling No. 2	8.00	75.00	9.00	80.00
Virginia Poehlmann	3.00	25.00	4.00	35.00
Alice Roosevelt	3.00	25.00	4.00	35.00
Alice Byron	2.00	15.00	2.50	20.00
Minnie Wanamaker	2.00	15.00	2.50	20.00
Nonin	2.00	15.00	2.50	20.00
White Bonnaffon	2.00	15.00	2.50	20.00
Yanoma	4.00	30.00	5.00	46.00
John Burton (late)	4.00	30.00	6.00	45.00
Chadwick	3.00	26.00	4.00	35.00
Novelties.				
Lynnwood Hall	5.00	40.00	6.00	50.00
Pres. Taft	10.00		12.00	
Pompon Baby Margaret	10.00		12.00	
YELLOW VARIETIES.				
Golden Glow (500 for $9.00)	2.00	16.00	2.50	17.50
Monrovia	2.00	15.00	2.50	20.00
Appleton	2.00	15.00	2.50	20.00
Maj. Bonnaffon	2.00	16.00	2.50	20.00
Golden Eagle (new)	4.00	35.00	5.00	45.00
Golden Chadwick	3.00	27.00	4.00	35.00
Mrs. W. E. Kelley (new)	10.00		12.00	
Virginia (new)	10.00		12.00	
Baby (Pompon)	5.00		6.00	
PINK VARIETIES.				
Rosiere	2.00	15.00	2.50	20.00
Minnie Bailey	2.00	15.00	2.50	20.00
Dr. Enguehard	2.00	15.00	2.50	20.00
Hankey	4.00	35.00	5.00	40.00
RED VARIETIES.				
Cullingfordii	3.00	25.00	4.00	35.00
Black Hawk	3.00	25.00	4.00	35.00

BEDDING PLANTS

3-inch stock of following: Salvias, Lobelias, Petunias, Ice Pink, Sallerol Geraniums, German Ivies, Thunbergias, and all standard cutting and seedling stock, $3.00 per 100, $25.00 per 1000.

PRINCESS OF WALES VIOLETS, Rooted Runners, $2.00 per 100.

I. M. RAYNER

GREENPORT, N. Y.

Please mention the Exchange when writing.

50,000 CHRYSANTHEMUMS

From 2¼-inch pots, also from soil. Propagated from strong, healthy, bench-grown stock. Our plants from pots are never stunted as they are shifted from pot to flats and placed in frames outside, insuring good working roots. We guarantee them.

WHITE	100	1000
White Cloud	$2.50	$25.00
White Bonnaffon	2.25	20.00
Polly Rose	2.25	20.00
Virginia Poehlmann	3.00	27.00
Robinson	2.25	20.00
T. Eaton	2.25	20.00
PINK		
Glory of the Pacific	2.25	20.00
Mayor Weaver	3.00	27.00
Pacific Supreme	2.50	25.00
Chadwick	2.50	25.00
Enguehard	2.25	20.00
C. Touset	2.25	20.00
H. Frick	2.50	26.00
YELLOW		
Yellow Bonnaffon	2.25	20.00
R. Halliday	2.25	20.00
Arline	2.25	20.00
Appleton	2.25	20.00
Nagoya	2.25	20.00
Monrovia	2.25	20.00
Golden Glow	2.50	25.00

From soil, $1.50 to $2.50 per 100; $15.00 to $20.00 per 1000.

From sand, $10.00 to $16.00 per 1000.

25,000 BOUVARDIAS, 2¼-in. pots, white, pink and red, $2.00 per 100; $18.00 per 1000.

TALL GROWING STEVIA, from sand, $1.00 per 100; $9.00 per 1000.

ASPARAGUS PLUMOSUS, from 3½-in. pots, strong, $10.00 per 100.

MOREL BROTHERS, 622 E. Market St., Scranton, Pa

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Rooted Cuttings

White: Baby Margaret, Touset, A. Byron, Timothy Eaton, J. Nonin, Ivory, Desjouis.

Pink: Amorita (very early), Glory of the Pacific, M. Dean, Mary Mann, Rosette, P. Ivory.

Yellow: Golden Glow (very early), M. Bonnaffon, Y. Eaton, Cremo, Robt. Halliday, Golden Eagle, Yellow Jones, Golden Baby.

Send for Price List.

WILLIAM SWAYNE, P. O. Box 215. KENNETT SQ., PA.

Please mention the Exchange when writing.

FERNS
MY SPECIALTY

Adiantum Cuneatum, best Maiden Hair Fern for cut fronds, 2¼-in., $3.50 per 100, $30.00 per 1000.

FERN SEEDLINGS

Over Million and a Half of Fern Seedlings, strong, healthy stock, now ready for potting; assortment of 15 Best Varieties for Fern Dish Filling, my selection, $1.00 per 100, $9.50 per 1000, $8.50 per 1000 in 25,000 and $8.00 per 1000 in 50,000 lots. Small orders of 100 and 200 plants can be sent by mail if desired, and postage of 10c. per 100 is remitted.

(Satisfaction and safe arrival guaranteed or money refunded.)

Assorted Ferns, for Fern Dishes, 2¼-in., $3.00 per 100, $25.00 per 1000.

Adiantum Farleyense, 2-in., $1.20 per dozen, $10.00 per 100.

Cibotium Schiedei, 2-in., $3.25 per dozen, $25.00 per 100, $240.00 per 1000; 6-in., $1.00, and 6-in., $1.75 each.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist
Please mention the Exchange when writing.

FERNS

Assorted varieties for dishes, strong plants, from 2¼-in. pots, $3.00 per 100; $25.00 per 1000; 3-in., $6.00 per 100.

NEPHROLEPIS Scottii, 7-in., $9.00 per doz.

COCOS Weddellinna, strong plants, from 2¼-in., $10.00 per 100, $85.00 per 1000.

KENTIAS, 2¼-in., $8.00 per 100, $70.00 per 1000.

GERANIUMS, Nutt, Poitevine, Grant, 4-in., $6.00 per 100; 3½-in., $5.00 per 100.

SALVIA Bonfire and Splendens, 2¼-in., $2.00 per 100.

BEGONIA Vernon, 2¼-in., $2.50 per 100; $20.00 per 1000.

FEVERFEW, 2½-in., $2.00 per 100.

DUSTY MILLER, 2½-in., $3.00 per 100.

COLEUS Verschaffeltii, Golden Bedder and mixed, 2¼-in., $2.00 per 100.

FRANK N. ESKESEN, Madison, N. J.
Please mention the Exchange when writing.

Fern Seedlings in Flats

In best varieties, ready June 16.

20,000 KENTIA Belmoreana, in 2¼-in. pots, ready now; also,

25,000 ASPARAGUS plumosus nanus, 2¼-in., ready for shifting.

Prices on application.

NEW PANSY SEED READY JULY 1.

B. SOLTAU FERNERY,
199 Grant Avenue, JERSEY CITY, N. J.
Please mention the Exchange when writing.

NEPHROLEPIS

WHITMANI, 2½-in., $5.00 per 100; $40.00 per 1000.
MAGNIFICA (new), $25.00 per 100.
BOSTON FERNS, 2½-in. $30.00 per 1000.

Henry H. Barrows & Son,
WHITMAN, MASS.
Please mention the Exchange when writing.

FERNS FERNS

Assorted Ferns for Jardinieres, in 6 to 8 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $25.00 per 1000.

Fern Seedlings in Flats, in 10 best varieties, each flat contains only one variety of Ferns; ready about the middle of July; price on application.

THOMAS P. CHRISTENSEN
SHORT HILLS, N. J.
Please mention the Exchange when writing.

PTERIS WILSONI

A few hundred fine bushy plants, in 3-inch pots, 7 cents each.

R. G. HANFORD, Norwalk, Conn.
Please mention the Exchange when writing.

WE call special attention to our large stock of **FERNS,** in all the leading varieties. We particularly mention **NEPHROLEPIS SCHOLZELI** and **NEPHROLEPIS COMPACTA,** both of which are exceptionally fine varieties for growing on.

Neph. Scholzeli
2¼-in. pots, strong plants..$8.00 per 100; $75.00 per 1000
4-in. pots, strong plants..$25.00 per 100; $225.00 per 1000

Neph. Scottii
2¼-in. pots, strong plants..$5.00 per 100; $45.00 per 1000
4-in. pots, strong plants..$15.00 per 100; $120.00 per 1000
7-in. pots, strong plants....$9.00 per doz.; $65.00 per 100
8-in. pans, strong plants...$12.00 per doz.; $90.00 per 100
10-in. pans, strong plants.....$24.00 per doz.

Neph. Todeaoides
4-in. pots .....$20.00 per 100
8-in. pans .....$12.00 per doz.
11-in. tubs, very handsome .....$36.00 per doz.

Neph. Whitmani
9-in. pots .....$18.00 and $24.00 per doz.

Neph. Amerpohlii
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.

Neph. Compacta
2¼-in. pots, strong plants..$15.00 per 100; $125.00 per 1000

Ficus Pandurata, at $2.00, $3.00, $4.00 and $5.00 each
(Branch), at .....$2.50, $3.00, $4.00 and $5.00 each

Crotons
4-in., well colored .....$25.00 per 100
5-in., well colored .....$50.00 and $75.00 per 100
6-in., well colored .....$9.00, $12.00 and $15.00 per doz.
Well colored specimens at $1.50, $2.00, $2.50, $3.00, $3.50 and $4.00 each.

Queen Alexandra Daisy
Strong plants, exceptionally well flowered, just the thing for window boxes and vases, at $5.00 and $6.00 per doz.

Pandanus Veitchii
Beautifully colored .....$6.00 per doz.; $45.00 per 100

Cyclamen.
We are the largest growers of Cyclamen in America. The stock offered this year is the very highest quality.
2½-in. pots, very strong....$8.00 per 100; $75.00 per 1000
3-in. pots, very strong.....$10.00 per 100; $90.00 per 1000
This stock is much heavier than is generally offered in the above sized pots and will make specimen plants for Christmas sales.

Gardenia Veitchii
2¼-in. pots .....$8.00 per 100; $75.00 per 1000
5-in. pots .....$5.00 per doz.; $35.00 per 100
6-in. pots .....$6.00 per doz.

Standard Baby Ramblers, Crimson, very strong, $1.25 each.
Standard Baby Ramblers, White, very strong, $1.25 each.

CHRYSANTHEMUMS
General Collection, 2¼-in. pots, $3.00 per 100, $25.00 per 1000.

ROBERT CRAIG COMPANY, 4900 Market Street, PHILADELPHIA, PA.
Please mention the Exchange when writing.

CHICAGO CARNATION CO.
JOLIET, ILL.
Please mention the Exchange when writing.

Carnations
F. Dorner & Sons Co.
LA FAYETTE, INDIANA
Please mention the Exchange when writing.

Ferns in Flats
All The Leading Sorts
One hundred and ten large clumps in a flat, can be divided, ready June 1.
Terms and price on application to,
EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.
Please mention the Exchange when writing.

High Prices Asked for Daffodils

We are in receipt of a special trade offer of Daffodils, May-flowering Darwin and Cottage Tulips, dated May, 1910, from Barr & Sons, 11-13 King st., Covent Garden, London. The price asked for certain varieties of Daffodils serves to show there must be great public interest in that country in new varieties. For instance, Daffodil Bedonin is offered at £16, Cecil Rhodes £4, 10s., C. H. Curtis £7, 7s., Masterpiece £15, Peter Barr £6 each, and numerous other varieties at somewhat lower figures.

This special trade offer is particularly interesting as showing the value at which desirable new varieties of Daffodils are held on the other side.

In the price list is included two Anemones collected for the firm in Greece—one, Anemone fulgens Græca, the great scarlet Windflower, with much handsomer flowers than those of the common Anemone fulgens, being described as of a rich glowing crimson scarlet, with broad petals and black central boss; the other, Anemone, Beauty of Athens, a remarkably pretty variety of Anemone Hortensis (stellata), bearing flowers ranging in color from brilliant carmine to cherry rose and sometimes a blush.

VINCA VARIEGATA 4 inch $10.00 per 100.
GREVILLEA ROBUSTA 4-in. (splendid for Vase and Boxwork), $10.00 per 100.
ASPARAGUS SPRENGERI Heavy tops, $6.00 per 100
Strong, thrifty stock.

Hatchen
50 East Main Street
Amsterdam, N. Y.
GREENHOUSES: Hoffmans, N. Y.
SCHENECTADY (N.Y.) Store; N.Y.C. ARCADE, State Street
Please mention the Exchange when writing.

FIELD-GROWN CARNATIONS
FALL, 1910

	Per 100	Per 1000		Per 100	Per 1000
Sangamo	$12.00	$100.00	White Perfection	$7.00	$60.00
May Day	7.00	60.00	Snow Flake	6.00	50.00
Winona	7.00	60.00	Georgia	6.00	50.00
Afterglow	7.00	60.00	Mrs. J. C. Vaughan	6.00	50.00
Winsor	7.00	60.00	O. P. Bassett	6.00	50.00
Enchantress	6.00	50.00	Bay State	6.00	50.00
White Enchantress	7.00	60.00	Wanoka	6.00	50.00

We are now booking orders for Field-Grown Carnations, strong, healthy stock ready about July 15. Send us your order and we will reserve plants for you.

S. J. REUTER & SON, Inc., Westerly, R. I.
Please mention the Exchange when writing.

CARNATIONS—From Pots

	Per 100	1000
Harlowarden	$2.00	
Enchantress, Pres. Seelye, and Mrs. Patten	3.50	$30.00
Asparagus Sprengeri, 3-in. pots.	5.00	
Geraniums, assorted, in bud and bloom, 3½-in.	6.00	
Vinca variegata, 3-in.	5.00	
Tomato Plants, from cold frames		4.00
Tomato Plants, from pots	1.00	
Egg Plants, from pots	3.00	
Cabbage Plants, from old frames		2.50

Cash with order.

S. G. BENJAMIN, FISHKILL, N. Y.
Please mention the Exchange when writing.

Your Money is well spent when you advertise in
THE FLORISTS' EXCHANGE

SHASTA
For biggest returns plant our new white carnation **Shasta.**
Field-grown plants in August and later.
$12.00 per 100; $100.00 per 1000
BAUR & SMITH, Indianapolis, Ind.
Please mention the Exchange when writing.

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Question Box

(134) **Diseased Geranium.**—Please give the cause of the trouble with the Geranium leaf enclosed and suggest a remedy.—J. B. A., Mass.

—I would say that the spotted Pelargonium leaves sent me for examination, are attacked by a bacterial disease, for which no definite remedy has been discovered. I would advise substituting resistant varieties for the sensitive ones.
ERWIN F. SMITH,
Pathologist in Charge Bureau of Plant Industry, Washington, D. C.

(135) **Golden Glow Chrysanthemums.**—When will this variety flower if put in sand now and grown on for a single bloom?—J. T. L., L. I.

—Cuttings put in sand at once and grown right along, as soon as they have struck root, should be out of the way by Oct. 10.

(136) **Best Variety of Antirrhinum for Winter.**—Which is the best variety of Antirrhinum for Winter flowering, a good pink and white preferred? What temperature is required and when should the seed be sown to secure good flowers for Christmas and later?—J. M. B., N. J.

—To get Antirrhinum true to color they must be propagated from cuttings. These can be taken from plants of known color which were themselves grown from cuttings, or from seedling plants which have bloomed, so that a selection of color and habit of growth may be made. Plants from 3″ or 4″ pots may be planted on the benches any time after Oct. 1. A Carnation temperature will do for Antirrhinums. Seeds of the tall varieties may be obtained from any reliable seedsman. An early sowing would have been desirable but you might try sowing seeds now, and also obtain rooted cuttings or plants from some grower who has a choice strain of Antirrhinum in desired colors.

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California "plant wizard" has produced a Primrose five inches in diameter. Got to do a lot better than that before the new flower will be big enough for trimming the women's Summer hats.—*N. Y. Herald.*

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Splendens and Bedman	2¼	3.00
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SWAINSONA alba	2¼	4.00
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VIOLETS, Marie Louise, R. C.		1.50

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The Horticultural Society of New York

A meeting of the Horticultural Society of New York was held at the Museum Building, New York Botanical Garden, on Saturday, June 4. At this meeting twenty-six new members were elected, seven of which were life members, the remainder annual members. This is most encouraging progress, and it is hoped that the increase in membership may be kept up. All that is needed is a large membership to make horticulture an important element in New York. Let all join the Society, and this result will soon be accomplished.

The meeting of the Society was followed by a lecture by Dr. N. L. Britton, on "Summer Flowers." The lecture was illustrated with colored lantern slides.

The Summer Exhibition

The important feature of the meeting, however, was the Summer exhibition given in connection with it. This was open in the Museum Building, on Saturday afternoon, from 2 to 6, and on the next day, Sunday, from 10 to 5. There was a large attendance on Saturday, and also on Sunday, in spite of the inclemency of the weather. A bright day would have insured a large crowd. The exhibitions of the Society are becoming more and more popular and well known, and the feature of holding them on a Sunday seems to be fully appreciated by flower lovers.

There were three classes of entries: Class P., Peonies, under six subdivisions; Class M., Miscellaneous, under nine subdivisions, and Class S., Special. Between thirty and forty entries in all were made by commercial and private growers. Two large exhibits of Peonies were made in Class P. 6, covering the largest and best collection of Peonies, not less than six flowers of a kind, one by George H. Peterson of Fair Lawn, N. J., who showed eighty-two varieties, among which Duchess de Nemours, Mme. Calot, Mons. Martin Cahuzac, and Madam Barillet Deschamps were especially beautiful; and another exhibit by F. R. Pierson Co., Tarrytown, N. Y., which showed fifty varieties, among which General MacMahon, Mons. Jules Elie, and La Tendresse were very fine. Both of these exhibits comprised many blooms of very fine form and color and were very meritorious displays. In Classes P. 1, 2, 3 and 4, for the best three varieties of six flowers each, No. 1. in white, No. 2. in light pink, No. 3. in rose, and No. 4. in crimson, entries were made of some wonderfully fine blooms, by the same exhibitors, and by Albert Lahodny, gardener for T. A. Havemeyer, Hempstead, N. Y., in whose exhibit the variety Sararbande was especially attractive. A collection of handsome single Peonies, three varieties, was shown by F. R. Pierson Co., Tarrytown, N. Y.

In Class M. 1., for the best collection of hardy Roses, two exhibits were made, one by James Stuart, gardener for Mrs. F. A. Constable, Mamaroneck, N. Y., who showed twenty-seven varieties, and another by F. R. Pierson Co., of six varieties. In the Stuart exhibit was a vase of very fine Dawsons; and in the Pierson display one of beautiful white Rosa rugosa. In Class M. 2., for the best collection of hardy flowering shrubs and trees, there were two remarkably fine exhibits, one by Frances Milne, gardener for E. H. Weatherbee, Mamaroneck, N. Y., of forty-four varieties, and another by Albert Lahodny, gardener for T. A. Havemeyer, Hempstead, N. Y., with forty-two varieties. Both these exhibits were of marked excellence.

In Class M. 3., for the best exhibition of hardy Rhododendrons and Azaleas, or either, there were three exhibits, one by Albert Lahodny, one by F. R. Pierson Co., and another by Howard Nichols, gardener for Mrs. J. B. Trevor, Yonkers, N. Y., with fifty, twenty-four, and twelve varieties respectively. These three exhibits of these most beautiful, perhaps, of all flowering shrubs, deservedly attracted much attention.

In Class M. 4., for the best collection of hardy herbaceous plants there was keen competition shown in three exhibits of great excellence, and much admired. One exhibit was made by Bobbink & Atkins, Rutherford, N. J., an almost unsurpassable collection of ninety-five varieties, among which may be noted the Oriental Poppies, Delphiniums, Columbines and the comparatively rare Lilium tenuifolium, with its scarlet blooms, and the very striking Eremurus robustus, with its long spikes of flowers; another exhibit was by Albert Lahodny, with fifty-seven varieties, among which were double Pyrethrum through the whole range, nearly, of colors; a third exhibit was by Francis Milne, in which was noted that beautiful little perennial, Heuchera sanguinea.

There were only two entries in Class M. 5., for the best collection of Irises, but these were very large, one by Albert Lahodny, gardener for T. A. Havemeyer, numbering one hundred and tweuty-eight varieties, covering the whole range of Iris colors and combinations of colors; and another by Bobbink & Atkins, Rutherford, N. J., with fifty exquisite varieties of blooms of fine quality.

In Class M. 6., for six best Orchid plants in bloom, six varieties, there was one entry—by James F. Dye, gardener for Clement Moore, Hackensack, N. J., in which, especially beautiful and well grown, was a plant of Lælia purpurata, and another of Lælia tenebrosa grandes.

In Class M. 9., for the best collection of cut Orchids, there was one entry, by J. A. Manda, West Orange, N. J., with an attractive collection of exquisite varieties, among which may be noted two Cattleyas, a gigas Sanderiana and Gaskelliana var. Helen Roebling.

Outside of the regular classes, three vases of beautiful Campanulas and three of Sweet Peas, and some beautiful Iris, were exhibited by George Wittlinger, wardener for Miss Blanche Potter, Ossining, N. Y.

John Lewis Childs, Floral Park, N. Y., exhibited six vases of beautiful Gladioli, among which was noted Gladiolus Childsii Irene, with very attractive blooms. Mr. Childs also showed thirteen other interesting blooms.

Bobbink & Atkins showed a single vase of Rosa rugosa, var. Souvenir de Pierre Lapirdrieux, with splendid foliage and rich blooms.

Considering the space available, the flowers were well staged and much credit is due to the committee in charge for the successful conduct of a meritorious and pleasing exhibition, which gave pleasure to a very large number of visitors.

The Awards

Peonies.

For the best 3 white varieties, 6 flowers each—1, Geo. H. Peterson, Fair Lawn, N. J.; 2, F. R. Pierson Co., Tarrytown, N. Y.

For the best 3 light pink varieties, 6 flowers each—1. Geo. H. Peterson; 2, T. A. Havemeyer, Hempstead, N. Y., gdr. Albert Lahodny.

For the best 3 Rose varieties, 6 flowers each—1, Geo. H. Peterson; 2, F. R. Pierson Co.

For the best 3 crimson varieties, 6 flowers each—1, Geo. H. Peterson.

For the best collection of singles., 3 flowers each—1, T. A. Havemeyer.

For the largest and finest colleciton, not less than 6 flowers of each variety—1, Geo. H. Peterson; 2, F. R. Pierson Co.

Miscellaneons.

For the best collection of hardy Roses—1, Mrs. F. A. Constable, Mamaroneck, N. Y., gdr., James Stuart; 2, F. R. Pierson Co.

For the best collection of hardy flowering shrubs and trees—1, E. H. Weatherbee, Mamaroneck, N.Y., gdr. Francis Milne; 2, T. A. Havemeyer.

For the best collection of hardy Rhododendrons and Azaleas, or either—1, T. A. Havemeyer; 2, F. R. Pierson Co.

For the best collection of hardy herbaceous plants—1, Bobbink & Atkins, Rutherford, N. J.; 2, E. H. Weatherbee.

For the best collection of Irises—1, Bobbink & Atkins; 2, T. A. Havemeyeer.

For the best 6 Orchid plants in bloom, 6 varieties—1, Clement Moore, Hackensack, N. J., gdr. James F. Dye.

For the best collection of cut Orchids—1, J. A. Manda, West Orange, N. J.

Special.

For display of Campanulas and Sweet Peas—Miss Blanche Potter, Ossining, N. Y., gdr. George Wittlinger.

For display of Ismenes, Gladioli and miscellaneous flowers—John Lewis Childs, Floral Park, N. Y. Honorable Mention.

Cattleya Gaskelliana, var. Helen Roebling—J. A. Manda, certificate of merit.

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ORCHIDS Just arrived, in fine condition a large shipment of Cattleya Trianae, also C. Gaskelliana, Oncidium varicosum Rogersii, O. crispum, Miltonia cuneata, Laelia crispa, L. Perrinii and many more.
Another lot of Cattleya Mossiae and C. labiata due shortly.
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The Orchid as a Commercial Proposition

Paper read by Alphonse Pericat before the Florists' Club of Philadelphia, June 7, 1910.

Your committee have gotten me here tonight to talk Orchids very much against my own inclinations. In the first place, it is a very difficult subject and, in the second place, I hardly know what to say. Of course, I have been in Orchids all my life, both in the amateur and commercial lines, but the field is so large that it is difficult to choose any phase of it that would be interesting to you. I think the best I can do under the circumstances is to indicate a few of the species and varieties that have so far proved themselves commercially possible. There is no doubt but what the Orchid has come rapidly to the front commercially in the past ten years, and it may be confidently looked forward to as a constantly increasing factor in the flower markets of America.

The first of the family important commercially is, of course, the Cattleya. This species with its many varieties is so showy and of such varied colors and can be had by successive plantings through so long a season, that it is small wonder it takes premier position. The best of them all is, of course, C. Trianæ, because it is not only a lovely flower, but also because it blooms at a season when cut flowers are most in demand. Next to that comes C. labiata, which flowers in the Fall when Roses and Carnations are scarce and variety is needed to supplement the Chrysanthemum and other Fall flowers. The other members of the same family of importance are C. Schrœderæ and C. Mossiæ, as these come in succession and flower at a time when the others cannot be had. C. gigas and C. Gaskelliana are, of course, the important ones for Summer flowering.

Next to the Cattleya the important Orchid commercially is the Cypripedium. C. insigne flowers more freely than any other and is most easily grown. C. Leeanum and C. Spicerianum rank next. The Cypripedium can be grown and sold for less than other Orchids, hence it is one of the most important although not the showiest.

On account of the demand for white Orchids in the Fall, Dendrobium formosum occupies a very important place. The plants go back after two or three years and it is necessary to renew stock. D. Phalænopsis is fine for sprays.

Oncidiums are of great merit in many ways, the several varieties flowering in succession from September to February. They are much liked for decorations on account of their spray formation and beautiful colors. Some are easily managed, some not. O. splendidum is one of the best growers; it is a fine flower and likely to be more grown in the future. O. varicosum Rogersii is a favorite on account of its fine spray which is easily adapted to many decorative purposes. The plants run out quickly, however, very much the same as D. formosum.

These species and varieties mentioned are practically all that are much grown today; but there are a number of others that will be on the market soon, as the demand is constantly extending. Phalænopsis amabilis is one; this can now be got from the Philippines at a very reasonable price and will be heard from shortly. P. Schillerianum is also a good one and its pink is a good contrast to the white of P. amabilis, flowering about the same time.

Vanda cœrulea is a good species to grow for cut flowers and can be made to pay. It is about the only one of its color (blue) that is worth anything to grow.

In conclusion, let me add a serious and emphatic caution to all Orchid growers. Never sell your flowers too cheap. The Orchid is an expensive flower to grow, but sometimes there are too many of them at one time. Rather lose a few of these than sell them cheap. That breaks the market and you lose far more in the long run. The market is not easily mended once it is broken. Therefore, it is good policy for the grower to be very careful not to overcrowd with more than the market will absorb.

New Seedling Rambler Lady Blanche
Originated by M. H. Walsh, Woods Hole, Mass.

Popularity of the Marguerite

One of the greatest lines handled in this country is the Marguerite, and one of the biggest and finest stocks is continually to be found near London at Butler Bros.' Nurseries, Bealey Heath.

The Marguerite is a close relative of the common Ox-eye Daisy of our fields, and is quite distinct from the Shasta type. It is of French origin, and the great Henry Cannell was one of the first to handle it. He first saw it at an exhibition in Paris. Seeing that it was distinct from the common Daisy, he secured a stock but for a long time the variety proved a "white elephant," for it got about that it was merely the Ox-eye Daisy, and people refused to touch it, despite Cannell's advocacy. Eventually, however, the yellow form was introduced and noting its value people took to it, and, incidentally, the white found favor also, and has retained it. For Summer bedding it is used by the million, and from one year's end to another, especially in the early Spring, the white Marguerite is one of the chief market flowers.

The plants are grown in 4½-in. pots for market, and the standard price is about 6/- ($1.50) per dozen. The most essential feature of Marguerite culture is coolness. Too much heat means thin, weakly growth, and to counteract this tendency all market men treat their plants to a brief period out of doors before flowering.—T. A. W., Eng.

M. H. Walsh's New Rambler Rose, Lady Blanche

We have pleasure in introducing to our readers another promising Rose, the production of that skilled hybridist, M. H. Walsh of Woods Hole, Mass.

This new Rambler Rose, Lady Blanche, shown herewith is an American-raised Rose produced by Mr. Walsh at Woods Hole, and is distinct from any of the white Rambler Roses in cultivation, so far as Mr. Walsh is aware. It is a seedling and not a sport. It has fine glossy Wichuraiana foliage, double flowers of the purest white, and has the added merit of being fragrant. The Rose is perfectly hardy, a free grower and floriferous.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

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The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

For wonderful word painting in which will be found countless grains of strong common sense suggestions, do not fail to read, in this week's columns, the talk of our gifted Nebraska florist and nurseryman, C. S. Harrison, before the Am. Ass'n of Nurserymen.

The ranks of the florists are exceptionally well filled with orators and writers possessing strong individuality and charming descriptive powers, developed, without doubt, through their constant communing with Nature's life, and, in this great art, C. S. Harrison overtops them all. His present effort should be spread before millions.

The Approaching S. A. F. Convention

Mr. Chas. H. Vick, Superintendent of the Trade Exhibition, writes us as follows:

I am sending a diagram of the space in Convention Hall for the S. A. F. Trade Exhibit, and you will note that fully 60 to 70 per cent. of the space is already reserved. There are a number of large growers, who will undoubtedly exhibit, from whom I have not heard. I wish you would kindly say for me, in your paper, that if all manufacturers, florists and florists' supply houses contemplating exhibiting, would kindly notify me at once, stating required number of square feet of space it will facilitate matters greatly. A diagram similar to the one sent you [and published in this issue] with each exhibitor's space designated, is being sent out to the general trade.

The Souvenir Album, on which the local committee are working, will certainly be a work of art. We expect to have it out about the first of July. It will contain one hundred pages, with many original views of the streets, parks, private residences, public buildings, river and lake, also several interesting articles as follows:

"Rochester Florists," Geo. B. Hart
"Rochester from the Nurserymen's Viewpoint," William C. Barry,
"The Seed Industry," Charles W. Grosman
"Rochester Florists' Association," Fred W. Vick
"Rochester," Sec'y Chamber of Commerce

Every member of the S. A. F. will receive a copy. It will be so attractive and interesting it will be retained for a long time as a memento and for this reason will be well worth the cost of advertising space.

THE ADVTS. IN THE FLORISTS' EXCHANGE are ALWAYS read.

The circular generally goes into the waste basket WITHOUT BEING READ.

American Gladiolus Society

At the organization meeting of this Society in Boston on May 27, it was determined that it should affiliate with the S. A. F. & O. H. just as soon as the latter Society makes complete arrangements to that effect covering all other kindred societies.

The date of the annual meeting of the American Gladiolus Society has been fixed to take place at the same time as that of the S. A. F. The middle of August is an appropriate time for a Gladiolus exhibition, and this fixture will make it necessary to travel to but one place in order to enjoy the proceedings of both societies.

With regard to membership: Opportunity to all desirous of becoming charter members of the Gladiolus Society will be held open until the meeting at Rochester in August; those wishing to join up to that date can do so for the first year on payment of $2; after that time the initiation fee will be $1 and the annual dues $2. Those desirous of sending in their membership application now can do so by applying to any of the officers named in our issue of June 4. The officers elected at the Boston meeting hold over until August, 1911.

English Horticultural Notes

The Temple Show

The great Spring show of the Royal Horticultural Society, familiarly spoken of as the Temple Show, after the place where the show is held, was on almost similar dates to your Boston exhibition. It was as good as ever, and there were some good novelties in Orchids. Odontiodas King George V and Royal Gem, both from Mons. Chas. Vuylsteke, Loochristie, Belgium, were splendid, with beautifully colored flowers as large as those of a big Odontoglossum. They were from secondary crosses, and a price of over £1000 was said to be placed upon the first named. Odontioda Bradshawiæ and Odontioda Charlesworthi are resplendent Orchids which in a few years, are likely to be utilized by florists. There are but comparatively few batches about yet, but growers are busily propagating and the prices will quickly drop. Among the trade groups of Orchids, those of Sander & Sons, St. Albans and Charlesworth & Co., Hayward's Heath, obtained gold medals. Each group had a most choice selection, including several certificated novelties. Messrs. Sander had a new Cattleya Mossiæ ("Magali Sander"), Miltonia memoria Baron Schroeder (very chaste), and Odontoglossum eximium Emperor (ardentissimum × crispum). Messrs. Charlesworth had a new species of Sobralia—rich crimson—named after themselves, and an albino farm of Cattleya Lawrenceana, the first in seventy years and thought of very highly, especially coming from so red a flower.

* * *

Messrs. Alex. Dickson of Newtonards, Ireland, had a new H. T. Rose, named Duchess of Westminster of a rich rosy pink shade, a very beautiful and distinct flower. It is deeper than Lady Ashtown, but after that style. The new American Wichuraiana variety Excelsa, sent out by M. H. Walsh, made its first appearance, and was admired all around, obtaining an award of merit. Messrs. Paul & Son, Cheshunt, won this award with plants shown as tall weeping standards. These were infinitely brighter than plants of the same from cuttings.

* * *

Two of Messrs. John Waterer & Sons' (Bagshot) Rhododendrons obtained awards. One is a deeper colored "Pink Pearl," named Alice, not quite so choice as that variety; and the other was Princess Juliana, a lovely Apple blossom colored hardy hybrid; this has large fringed flowers and goes off nearly white.

* * *

Three other certificated novelties deserve attention, namely: Marguerite Mrs. F. Sander, a large-flowered, pure white form of the Queen Alexandra type, now well-known; this will be sent out by Sander & Sons in the Autumn, as cuttings, at 25s. per hundred. The next, subject was Rhus typhina laciniata, a very fine form, much dissected, shown by R. C. Notcutt, Woodbridge, Suffolk. The third was Azalea Floradora golden reddish saffron, from R. and G. Cuthbert, Southgate.

* * *

In the show itself Messrs. Sutton & Sons, Reading, staged pretty plants of Clarkia Firefly, a vivid salmon scarlet variety, grown in pots as big bushes. I am sure if your growers of purely floral decorative stock for the shops could have seen these plants, they would have been delighted. The variety is superb and the plants made graceful ovals 5 ft. high. Splendid double Stocks, in many good colors, including pale yellow, old rose and crimson, shown as pot plants (sown last September), came from Toogood, Southampton. Messrs. Stuart Low had the new yellow Carnation J. Whitcomb Riley and other American novelties. Mr. Waters (Balcombe) and Mr. Burnett (Guernsey) each had remarkably fine Carnations, Edith Waters being quite an improvement on Mrs. T. W. Lawson. Some of the "fancy" varieties were also very fine. J. HARRISON DICK.

Postponement of the Peony Society Convention

Secretary A. H. Fewkes reports that, owing to the continued cold weather, it has been found necessary to postpone the meeting of the American Peony Society from the original dates appointed in the present week, June 9 and 10, to Tuesday and Wednesday, June 14 and 15 of next week. This show, it is understood, is to be held in conjunction with that of the Massachusetts Horticultural Society at Horticultural Hall, Boston, Mass.

American Association of Nurserymen

Thirty-Fifth Annual Convention

Held at Denver, Col., June 8, 9, 10, 1910

The convention of the American Association of Nurserymen met in first session at the Brown Palace Hotel, Denver, Col., on Wednesday morning, June 8.

After addresses of welcome by Col. J. S. Irby and J. H. Reynolds, President F. H. Stannard opened the business proceedings with the presidential address.

The reports of the secretary and treasurer, and of the committees on entertainment, publicity, forestry and National Council of Horticulture followed. The sum of $300 was voted for the use of a publicity committee, to be appointed by the incoming president.

The following papers were read: "The Part Nurserymen have taken in the Growth and Development of the Nation," by I. B. Morey, Dansville, N. Y. "Co-operation between Nurserymen and Fruit Growers," by W. L. Howard, secretary, Missouri State Board of Agriculture. "The Commercial Side of the Nursery Business," by H. W. Marshall, Arlington, Neb. "Effects of Tree Planting in the Middle West," by Geo. H. Whiting, Yankton, S. D. "Influence of California's Horticultural Development on the Nursery Business," by Geo. C. Roeding, Fresno, Cal. "Resultant Evils of Replace Policy," by J. W. Mayhew, Waxahachie, Texas.

The Eastern members traveled on a special train. The total attendance was about one hundred and fifty.

Exhibits

The following exhibits were made: C. S. Harrison & Co., York, Neb.—Peonies; The Fruit Grower, St. Joseph, Mo.—advertising matter; A. B. Morse & Co., St. Joseph, Mich.—designs for illustrations; Orlando Harrison, Maryland—fruit and ornamental trees; Vincennes Nurseries, Vincennes, Ind.—one and two-year-old Cherries; T. V. Munson & Sons, Denison, Texas—books, and Grape culture; Benjamin Chase Co., Derry, N. H.—wood labels and plant-stakes; Stecher Lithographing Co., Rochester, N. Y.—lithographs. Carroll R. Tiffany, Franklin Forks, Pa.—tree trimmers; Rochester Lithograph Co., Rochester, N. Y.—lithographs; The Deming Co., Salem, O.—spray pumps, nozzles, and appliances; Dayton Fruit Tree Label Co., Dayton, O.—tree labels, The McFarland Publicity Service, Harrisburg, Pa.—advertising and printed matter; Nathan R. Graves, Rochester, N. Y.—photographs of fruits and flowers; B. G. Pratt & Co., 50 Church st., New York—scalecides; G. V. Cedarborg, Denver, Col.—Cedarborg Frost Alarm.

Society of American Florists

Registration of Rose.

Public notice is hereby given that A. N. Pierson, Inc., of Cromwell, Conn., offers for registration the Rose described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Name: "Red Killarney."

Raiser's Description: A sport of Killarney, originating with A. N. Pierson, Inc., in 1908. It is identical with Killarney except in color, which is much brighter, showing a strong tendency to red, some blooms having been as dark as Richmond, the average the entire year a shade lighter than Richmond.

H. B. DORNER, Secretary.

A Severe Hailstorm

The most violent hailstorm occurring in the memory of the earliest inhabitants of the region struck the section northeast of Dayton, Ohio, on May 29 at 4 p.m., causing a tremendous destruction of all crops planted out in the ground, as well as stripping the foliage off the trees in many places. The hail stones falling were reported to be the size of large guinea eggs, and so hard that, by supper time, they had melted but little. The storm was characterized by H. H. Ritter of Dayton as the worst hailstorm he had ever experienced. It did not strike the city of Dayton itself. To date we have not heard of damage to greenhouse property.

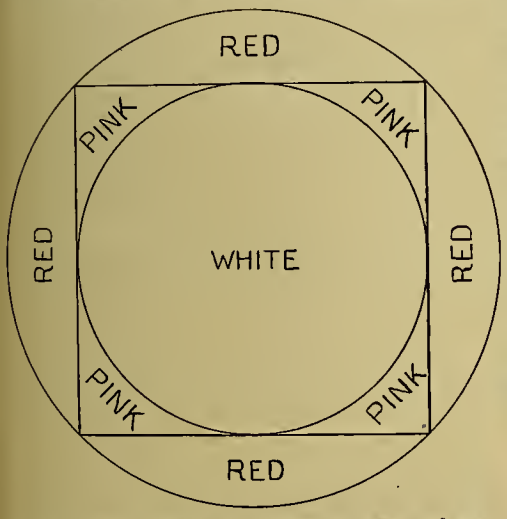
THE FLORISTS' EXCHANGE
A Business Paper For Business Man

Haarlem Jubilee Flower Show—A Good Example of Hyacinth Bedding

A Mathematical Flower Bed

J. H. Wainwright of Trenton, N. J., sends us a clipping from a newspaper embodying the following problem, thinking the question might interest "our mathematical brethren" who are occasionally confronted with such:

"John Gardiner was perplexed. He had been employed to lay out an ornamental flower bed of Geraniums in the City Hall Park, and not having the necessary plants in stock, had gone down to a florist with



whom he dealt, to figure on an order for them, and now, on his arrival he could not find his memoranda of the dimensions of the bed. All that he could remember was that the bed was circular in form with a square in it, the corners of which touched the outer edges of the bed, and that inside of the square was a smaller circular bed touching the four sides of the square. Outside of the square were to be red Geraniums, in the square outside of the inner circle pink ones, and in the inner circle white ones. His contracts called for five plants to each square foot of surface. His friend, the florist, said encouragingly, 'Come, come, see if you can't recall your measurements. You must be able to remember some of them.' John racked his brain and finally replied, 'It's no use, all I can remember is that the square measured fifteen feet on a side.' 'Why, that is all we need to figure it out from,' rejoined his friend. How many plants of each color were required?"

Mr. Wainwright supplies the diagram, with the answer, which is: 884 white, 241 pink, and 642 red Geraniums, a total of 1767 plants.

Canarina Campanula

This unique shrub, with its beautiful bell-shaped flowers, is known far too little outside of its habitat, the Canary Islands, though it is there the admiration of botanists and tourists, according to a writer in Moeller's. The flowers, which sometimes reach a length of nearly two inches, are orange yellow in color at the base, veined with red, shading into a pure, deep blood red toward the edges; they remind one of the flowers of the Fritillaria though they are clearer and brighter in color. They rise free out of the lanceolated leaves, whose fresh green often takes on a bluish shimmer.

The plant is easy to cultivate, for it is not exacting in its demands as to heat or light. In the Canaries it grows wild in the higher mountain regions, at an elevation of about 3300 ft. Its principal period of flowering is during the cool season, in January and February, when the temperature in the open occasionally falls close to the freezing point at night. It continues to bloom until early Summer, and dies back as the dry season comes on. It unfolds its wealth of flowers equally in the semi-darkness of deep gorges and along open, sunny slopes. Its cultivation is further facilitated by the fact that, being a bulbous plant, it is easy to carry over from season to season. The roots, when taken out of the ground, should be stored in a dry place. The plant is effective as a foreground to shrubbery or low woods; the branches, which reach a length of 3 to 6 ft., may be trained on a trellis or arbor, or allowed to trail around the branches of low trees. But it is especially decorative as a rambler or hanging plant in rockeries, on slopes or around grottoes, being often set out as Tradescantias are.

Cultivated under glass for florists' use, it should be planted in October in a temperate house on the bench, not in pots; it will not thrive in the latter. It wants a soil well mixed with sand, plenty of liquid manure, and good drainage. This splendid plant recommends itself to the attention of florists as a unique Winter bloomer, whose handsome flowers are very lasting, both on the plant and when cut.

Present Day English Flower Gardens

Instances of the farthest development in the newest form of flower gardening are, of course, chiefly to be found in the first-class parks of the larger cities and towns, as at Edinburgh, Leeds, Cardiff, and London—possibly elsewhere as well. Such intensive flower gardening is immensely costly, but being demanded the cost is of no account. Batches of Liliums which may only last fresh for five weeks, or less, are plunged from their pots into the bed just vacated by a similar quantity of the newer Spiraeas. There is no pause in the succession, and the changes are rung three or even more times in the course of our short lived Summer. Humen elegans over Lilium Thunbergianum. Iberis (Candytuft) with Linum perenne and Mignonette. Gypsophila with the beautiful dwarf perennial Aster subcaeruleus. Campanula Moorheimi and one or other of the new gorgeous Antirrhinums, as Fire King, Fiery Belt, or Defiance. Sweet Williams under Swainsonas. Impatiens Olivieri over Kalosanthes coccinea—these and a hundred similar contrasts are what we have seen in examples of the most refined and most highly developed flower bedding of the present day. Can the ordinary garden cope with the demands? If it cannot it is here that the great nursery establishments fill the breach and supply the most exacting requirements. This, we believe, is the probable explanation of the multiplicity of the bedding lists and of the pursuit of business in this direction by our friends, the nurserymen.

C. S. Harrison's Select Nursery, York, Neb.

The above firm is now incorporated for $25,000. C. S. Harrison has charge of propagating and cultivating. Homer S. King, also of York, attends to the business department. Fred G. Yule of Lincoln, Neb., has the selling department. Mr. Yule is an experienced salesman and has already shown his ability in that direction. The firm contemplates a branch at Lincoln before long. The business has grown wonderfully the past year. They have bought additional land and doubled the plant.

Obituary

David Neely

David Neely, a pioneer resident of California, who resided at University ave., east of San Pablo ave., Berkeley, died at his home, May 25, aged 77 years. He was a native of County Derry, Ireland, and had resided in Berkeley the last twenty years. He was a florist and kept up a large garden at his place of residence. He is not survived by any near relatives.

Haarlem Jubilee Flower Show

This parterre, in orthodox French style, was shown by the Lisse section of the General Bulb Growers' Society. The photograph shows the first plantation with Crocuses (March 23); this was later replaced by Hyacinths (April 15) and Tulips (April 25).

Wm. Sim's new residence and some of the members of the G. & F. Club of Boston who held their Field Day at his establishment on Saturday, June 4

Field Day of the G. and F. Club of Boston

The G. and F. Club of Boston had a Field Day on Saturday, June 4, and visited the establishment of William Sim of Cliftondale, Mass.

These outings are grand good things and help to stimulate interest and sociability in our business, while the day off breaks up the monotony of the steady grind of hard work at this busy season. We were more than gratified to see such a large number of men belonging to all branches of the business join in and make the day as pleasant as possible.

A special car was provided by Mr. Sim for the Boston delegation and fifty-five members boarded it at Scollay Sq. Others came in automobiles and carriages, and there were one hundred and fifty altogether in the gathering at the greenhouses.

Mr. Sim grows Sweet Peas during the Winter in his large, commodious greenhouses; in the Summer these are filled with Tomatoes and it was the wonderful crops now showing which furnished the attraction. Every house except one to Spencer Sweet Peas, was filled with Tomatoes. They look exceedingly well and most of the plants are carrying a heavy crop. They are grown to a single stem, eighteen inches apart in the row and two feet between the rows. In all, Mr. Sim has fifty thousand plants and during the picking season he sends to the market daily two tons of Tomatoes. The variety grown is mostly Comet.

The house of Spencer Peas was of special interest to the delegation as a splendid crop of flowers is just now being picked.

Mr. Sim owns fifty acres of fertile land, almost wholly given up this season to a crop of early Corn which he expects to be quite profitable. The Corn was started in the greenhouse, in 4-in. pots, being afterwards transplanted into rows in the fields. It looks promising and should be ready for marketing two or three weeks ahead of Corn sown outdoors in the orthodox way.

The next attraction was the new mansion, which was finished but a few weeks ago and consequently only recently. The photograph shows the beautiful situation and the handsome residence, while Mr. Sim has spared no expense in laying out the grounds.

In the background is a massive rock covered with Juniperus Virginiana springing naturally from its crevices. The grounds around and in the vicinity of the house are advantageously planted with shrubbery. Retinisporas, Junipers and Cypresses are used very effectively close to the house. On the whole, the plantings of the home grounds prove that the owner has good ability as a landscape gardener.

Mr. Sim is practically but a short time in the business and his wonderfully rapid progress is the admiration of all who know him. His effective handling of certain crops has been astonishing. Violets have been one of his specialties, and his success in growing them has been unprecedented in this part of the country. He was the first to grow large quantities of Sweet Peas under glass for the Boston Market and made a great hit with them. His Tomatoes are just as well grown as are his other crops and are certainly as profitable.

Early Corn is his latest venture and we will watch with interest to see how it turns out.

William Sim is one of the most unpretentious men one could meet, but his canny Scotch ways have guided him through many snarls unto the high road of success.

After inspecting the greenhouses and grounds a sumptuous luncheon was served; short speeches were then made by Peter Millar, Michael Norton, Thomas Grey and Allan Peirce. The company returned to Boston by special cars, much enjoying their outing. R. CAMERON.

Propagating Pansies from Cuttings

A short time since, I was referring to the system of propagating Pansies from cuttings, and I find that some of the finest Pansies sold in Covent Garden are raised in this way. The only kind possessing a name, in the market, is Copper King, a bronzy flower of giant size, and this variety has become exceedingly popular in the trade. Generally speaking, the finest seedling Pansies that are sold in this country are those grown by H. B. May & Sons of Edmonton, and the specimens they exhibit are truly wonderful. Owing to the demand for Pansies under color, however, this firm is now working all their best selections by cutting propagation, and, doubtless, many will avail themselves of this opportunity to procure stock.

Cuttings do not make such vigorous plants as seedlings, but I must confess that if one desires to possess a choice collection it is the only method. I have grown Pansies by the thousand, and tested no end of strains, including English, German, French and American, but the gems are very few. Indeed, one may say that no matter how carefully the seed is purchased the proportion of really choice flowers is very small. I have more than once expressed the view that no specialist ever disposes of his best seed, for such seed would be worth its weight in gold. Therefore, anyone who desires to sell Pansy plants that will induce the modern amateur to enthuse, must either work up his own seed stock, or propagate all his best plants from cuttings.

T. A. W., Eng.

At Cannell's Swanley, Eng.

When visiting Cannells of Swanley I was fortunate enough to find the great Henry Cannell, V.M.H. As is well known Cannells possess one of the finest collections of Cacti in the world, many of the specimens having begun business before Mr. Cannell did himself, and among them there are many species that flower only at night.

Mr. Cannell has a wonderful memory for so aged a man, and his tales about Geranium breeding are endless. It is not idle to say that he is the greatest living authority on Zonal Pelargoniums, the present day types being largely brought about by his efforts. Perhaps the most extraordinary result of crossing Pelargoniums was the introducing of the dark zone in the leaf. This was produced by working P. quercifolium, which has an elongated dark blotch, on to the plain green, round leaf of Vesuvius, or one of its relatives. Instead of the dark blotch appearing as was expected, the coloring took a circular form, which nothing has altered, and to this day Mr. Cannell can advance no reason as to why this circular zone appeared. Mr. Cannell has bred from many species, and even at the present time he possesses a collection embracing many of the ancient types.

It was at Cannells that I saw a big batch of the American Pillar Rose, the giant single variety that seems to be making friends among forcers in the land of its birth. Mr. Cannell thinks very highly of this Rose, and it was, I believe, his firm that first exhibited it when it gained an award of merit. Cannells have experienced a great demand for the variety, and other firms are now stocking it. Paul & Son of Waltham Cross were showing it recently, but the flowers were undersized. A wonderful feature of this variety is its foliage. I have grown some enormous leaves on Crimson Rambler, but American Pillar, with its nine leaflets on a petiole, bids fair to outdo any variety I have grown.

T. A. W., Eng.

Publications Received

Publicity, and consequently advertising, in the shape in which we like to see it, is embodied in a folder recently received, entitled "Solid Facts Concerning Spencer, Ind., The County Seat of Indiana's Banner County." The advantages of the city of Spencer, the county seat of Owen County, are ably set forth, and the folder is considerably assisted in its demand for attention through the numerous fine illustrations showing the various business enterprises being carried on there. Naturally, from such a good showing an enterprising florist would not absent himself, and Mr. E. T. Barnes, conductor of the National Co-operative Show Gardens, takes considerable space therein, with a description of his plant and the following views: "Dahlias by the Millions," "A View in the National Co-operative Show Gardens," "A Ten Acre Dahlia Field, and two further views, "Gordon Manor, a Fine Country Home" (which he marks down as being his next garden) and "McCormack's Creek," another location which he evidently intends to annex to his business.

KING CONSTRUCTION CO., North Tonawanda, N. Y. —Bulletin No. 35, describing the King Iron Frame Greenhouses is just received. It is a publication of considerable merit and opens up some valuable information to growers and intending builders. The subjects covered are: Points about King Iron Frame Greenhouses, Types of King Iron Frame Greenhouses, with illustrations showing structural details in widths from 14 to 172 ft., the latest, being that recently built for the Florex Gardens of North Wales, Pa. Many pages of the bulletin are filled with representative houses built by the King Construction Co. in various parts of the country, grouped by sections. It also contains a photographic reproduction of a King iron frame greenhouse built last year for Mr. E. Victors of Hampton, England.

There is no trade medium published that begins to equal the EXCHANGE in giving returns to all of its advertisers. Test it for yourself.

Part of Wm. Sim's range of houses at Cliftondale, Mass. The large house in the foreground is the last one built

Greenhouse Construction and Heating

Copyright, 1910, by A. T. De La Mare Ptg. & Pub. Co. Ltd.

By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper]

Article IV

Material and Construction

Some years ago greenhouse structures were composed almost entirely of wood, the earlier ones being constructed mostly of pine. Many years of experiment and experience has demonstrated that a quality of Cypress, known as Red Gulf or Tank Cypress, endures the varying conditions of heat, moisture and the changes of temperature found in connection with greenhouse structures better than any other wood.

This Cypress is found mostly near the coast from Cape Romano, Fla., west through the Gulf States to the valley of Nueces River, Texas, and through Arkansas to western Tennessee, but the trees in the swamps near to the sea thrive better than those further inland or in drier locations. The wood is of a resinous nature which makes it capable of resisting the weather, and of withstanding deterioration when immersed in water over an extended period. The annual rings are very close, thus indicating that it is of slow growth. The wood is fine and of a uniform texture and straight grained, and of a reddish yellow color, and is very durable with the exception of the sappy portion of the tree which is found near the outside and is easily detected, being almost white and, when dry, much lighter in weight. It has frequently been found that sappy wood used in connection with greenhouse structures will not last over three or four years therefore, for greenhouse structural work, nothing should be used but the very best quality and that thoroughly air dried.

The trees reach a height of from 70′ to 130′ with a diameter of from 5′ to 13′. When the trees are sawn for the market the lumber is divided into several grades, as follows: Tank, 1st and 2d; selects, shop, No. 1 shop, No. 2 shop; selected common, No. 1 common, No. 2 common; cull or pecky. The latter has been largely and successfully used for bench purposes, but we will treat of this later. A large amount of Cypress cut is used for the manufacture of doors, sash and interior finish for residences, etc., and in such work it is allowable to use a certain proportion of sap and knots, the grade rule with planing mills for 1sts and 2ds (the quality of material used for this purpose) being as follows:

Pieces 8″ wide may have 1″ sap on both edges. Pieces 12″ wide may have 2″ sap on both edges. On all pieces 13″ wide or over sap is not a defect. Pieces 12″ or less in width may have sap across one face for one-tenth the length of the board provided there are no other defects. Season checks are no defects, but where sappy wood is used in connection with greenhouse work its life is very short, seldom lasting over three or four years. Therefore, when purchasing Cypress for greenhouse construction, it is better to secure it from those dealers or manufacturers who make a specialty of greenhouse material, as they appreciate better the absolute necessity of furnishing the lumber free from sap, season checks and large knots.

It is apparent from the foregoing that with material so selected, as far as the matter of strength and durability are concerned, a greenhouse structure composed entirely of Cypress is thoroughly satisfactory, but to obtain the necessary strength the various structural members have had to be made quite heavy, especially as the size of the greenhouse structures increased, but as the main object in connection with such structures is to obtain the greatest amount of light it has been found that many of the structural members can be made of iron and so furnish a house of the necessary strength with much smaller members, thereby increasing the amount of light obtainable.

Hence, as the improvements in greenhouse structures have progressed, iron and steel has entered more largely into their construction, and there is no doubt that, as the size of greenhouses continues to increase, the use of iron will be still more pronounced. It has not been found advisable to use iron altogether, owing to the varying changes of temperature and to the liability of glass to break when set in a greenhouse structure bedded on iron, but the highest type of greenhouse structure today is constructed on the basis of as nearly as possible all iron inside and all wood outside. However, as these articles are written with a view to assist the grower who is about to branch out in business on his own account and, as is frequently the case with limited capital, we will take up the consideration of the cheapest type of house first.

There are also many growers of vegetables for the market who, at the present time, are expending a tremendous amount of time and energy in the cultivation of their stock by means of hotbed sash and frames who, if this same sash were placed upon a framework so as to raise them sufficiently high to admit of head room, could accomplish the same amount of work and secure much better results with considerably less expenditure of time and energy, also making it possible to give attention to the crop at times when, owing to the condition of the weather, it is almost impossible to do so when used in connection with the ordinary hotbed frame; therefore, with a view of assisting those who desire to erect a greenhouse with the least possible expenditure of money, irrespective of the matter of the greatest amount of light obtainable, we will take up the consideration of some of the forms of house of this class.

Type of Zvolanek's New True Orchid-flowered Winter-flowering Sweet Peas

Ideal Bench Construction Reported Not Solved

Readers, Please Note!

Having received a communication from a correspondent bringing before us the fact that improvements in bench construction had not kept pace with the improvements in the construction of the greenhouse itself, and stating that at the present time he did not know of any form of bench construction which was thoroughly coming up to the requirements, and with the object of securing an expression of opinion from those who have built benches and who can furnish the necessary data, we have formulated the following questions:

1—Cost of the materials
2—Cost of erection
3—Durability

and so as to get this information in as concise a form as possible we have divided the various makes of benches into classes as follows:

Wood { Cypress / Hemlock / Pecky Cypress

Iron { Pipe or angle iron frames, wood sides and bottoms / Pipe or angle iron frames, tile bottoms, wood sides / Pipe or angle iron frames, cast iron bottoms and sides

Concrete { Solid poured in forms / Built up with blocks

Brick

Tile

If some of our readers, having used any one or more than one style of bench of those enumerated above, would send us in whatever information possible regarding each of the constructions (bearing in mind points 1, 2 and 3), their material will be collated and published in such shape so as to be available for reference, and we feel sure that in this way we will be able to get at considerable information which will be of benefit to all growers, and no doubt some information will be elicited to assist in solving the bench problem, so as to bring this part of the construction up to the present day standard of the balance of greenhouse construction work.

Review of New Books

A MANUAL ON THE PHLOX.—By C. S. Harrison, York, Neb. Second edition. Published on behalf of the nurseryman and amateur. Showing how to grow Phlox and how to originate new and choice varieties. Price, 25c.

The present Manual gives, as a preliminary, a sketch of the Phloxes. It then takes up the subject matter in Mr. Harrison's usual fluent style, and in chapter 2 describes the various varieties of Phlox, together with methods of improvements; and in separate chapters from 3 to 10 deals with Saving and Planting the Seeds, Preparing the Ground, Kind of Phloxes Needed, Regulating the Time of Blooming, On the Importance of Keeping Varieties Separate, How to Multiply Phloxes, Winter Protection, Summer Care and Experimenting. Chapter 11 gives an extensive list of Phloxes, including most of the newer sorts, and in which the effort has been made to give the various heights (as dwarf, middle and tall) for convenience in arranging the beds. The present list is the most extensive we are aware of. The book contains several illustrations, the most telling of which is that contrasting the petals of the new variety "Arete" as against some of those of the older and smaller kinds, showing the vast improvement made as to size.

Among the Growers

BOUND BROOK, N. J.

Anton C. Zvolanek

In the new catalog of Zvolanek's Winter-flowering Sweet Pea seed, just received, we find listed the following novelties for 1910: Snow Queen.—Pure white, with large, wavy flowers. Zvolanek's Pink.—A clear soft pink with large open flowers. Zvolanek's Blue (of which find an illustration in this issue).—Also a large flower, in shape like Le Marquis, but of a clear sky-blue during the Winter months and coming somewhat darker in color in March and later on. Blue Bird.—The same shape as Mrs. Alex. Wallace, but some three shades darker; namely, a very fine lilac-blue self color. Zvolanek's Orange.—Represented as a Winter-flowering Miss Willmot.

More than fifty per cent. of the new crop, which will be ready about August 1, has already been ordered in advance, Mr. Zvolanek says. This fact attests to the popularity of the Zvolanek Winter-flowering Sweet Peas.

We also show a type of Zvolanek's true Orchid-flowered Winter-flowering Sweet Peas, some twenty different colors of which have been obtained from Countess Spencer. These, it is expected, will be introduced in 1911. Mr. Zvolanek claims that this new type of Winter-flowering Sweet Peas will outclass almost any other in existence.

SECAUCUS, N. J.

Secaucus, in the State of New Jersey, and five miles from New York City, is one of the great Sweet Pea growing localities. With only one or two exceptions every florist in this section grows Sweet Peas in considerable quantities. The plants are not grown on benches, but either directly in the soil of the greenhouse or in solid beds about 8 to 12 in. deep, built directly on the ground. For early blooms Zvolanek's Christmas and other early varieties are largely used also Earliest of All, Dorothy Eckford and others. For the later blooms Gladys Unwin, Helen Pierce, etc., are planted, but the Spencer types also are being largely tried. The recent spell of damp weather has been very injurious to the late blooming Sweet Peas in this section, causing them to drop nearly all of their buds. One grower alone reports his loss to be at least $1000. Some of the Secaucus establishments are as follows:

Komitsch & Junge

Nine years ago this firm began to build. For the first two years, to use Mr. Junge's expressive language "It was just one big struggle." That period, evidently, has happily passed. The Lord & Burnham Co. is now erecting for this firm three semi-iron greenhouses, with tile outer walls, each 151 x 18 ft. 6 in., and one iron frame house 150 x 22 ft. When these are completed the range will consist of sixteen substantially built houses, embracing 150,000 feet of glass. The houses have all been built by the Lord & Burnham Co., and the heating plant is a hot water system installed by the

same concern. The whole range is devoted to growing Orchids and Sweet Peas, about twelve houses to the former and four to the latter.

The following varieties of Cattleyas are grown: Trianæ, labiata, Mossiæ, Mendelii, gigas, Schroderæ, Gaskelliana, Lawrenceana, and a few each of several other varieties.

Several varieties of Dendrobiums also are grown, among which are Wardianum, formosum, aureum and a few others. Other Orchids are grown in smaller numbers, such as Phalaenopsis Schroderæ, Odontoglossum citrosmum, about 2000 plants of Vanda cœrulea, etc. The most attention is given to growing Cattleyas. An importation of one hundred and twenty-five cases of Orchids, of forty plants each, has just arrived, and others will soon follow.

Many of the plants are just now off crop, but some fine blooms of Cattleya gigas, and Dendrobrium Wardianum are being cut. When the plants are on crop, sometimes as many as 2000 blooms per day are cut. Last Christmas week the cut amounted to about 10,000 blooms.

Sweet Peas are the second most important crop at this range. The early varieties have gone by, and later kinds are now blooming, but the continued damp weather has curtailed the cut of flowers. When on crop sometimes 5000 bunches of Sweet Peas are cut each day.

This firm leases another establishment, on the County road, of about 75,000 ft. of glass, where they grow Sweet Peas and 'Mums exclusively, some fifty varieties of the latter being grown, from which in the height of the season they cut often three wagon loads per day. Everything in sight at Komitsch & Junge's gives evidence of system and progress.

Otto Grundmann

Mr. Grundmann's range consists of ten houses, amounting to about 35,000 ft. of glass. Table Ferns are his specialty, of which he sells annually, in small pots, about 300,000, and in flats, about 2000 flats. He carries all the usual varieties, which he produces from the spores. Two houses are devoted to Sweet Peas, and two to 'Mums, the list of which latter is confined to ten varieties, giving an annual cut of 40,000 blooms. Two houses are utilized for Lilium multiflorum, which yield about 20,000 flowers. Twenty thousand Salvia plants also are grown here.

Herman Mende

The ten houses, each 90 ft. long, of Mr. Mende's range are devoted to growing bedding plants. In Geraniums 20,000 Nutt, Ricard, and Poitevine, 2000 tricolor, and 1500 Ivy are grown; also about 3000 Heliotropes and 2000 Salvias. These are followed by 'Mums, Major Bonnaffon, Maud Dean, Dr. Enguehard, Chadwick and Ivory being the varieties grown.

The bedding plants are sold in New York at the Canal st. market.

H. J. Ramm

Mr. Ramm has been on his present place 22 years. His range now consists of three houses, he having several years ago leased eight other houses to parties who have recently subleased them to Carlo Sackman. Mr. Ramm confines his attention to two crops—Sweet Peas and 'Mums. Of the former he plants Zvolanek's varieties for early blooms, and the Spencer types for late. The Peas are followed by 'Mums, Major Bonnaffon, Chadwick, Newman, Ivory, and Dr. Enguehard being the varieties most used. Both the Sweet Peas and 'Mums are grown directly in the soil of the greenhouses, without bench or solid bed.

Carlo Sackman

Last December Mr. Sackman leased from Carillo & Baldwin, eight houses, ranging from 80 to 100 ft. long. In these he is growing Sweet Peas, Carnations, Lilium Harrisii, Formosum and giganteum,, 'Mums, and Gladioli. In Carnations he is confined to only Enchantress and White Perfection, and in 'Mums only Ivory and Major Bonnaffon. In Gladioli he grows America, Augusta and Mrs. Francis King. The Gladioli are looking remarkably well, as are also some giganteum Lilies now ready for cutting.

Mr. Sackman is making ready to plant a house to Asparagus plumosus, in solid beds. Some Asters already set are making good growth. Mr. Sackman was for several years with Julius Roehrs Co,, and also with E. G. Asmus & Son.

Considering the fact that he started his work at this range in Midwinter, he is certainly showing good results.

Emil Savoy

Emil Savoy's present specialty is Bougainvillea Sanderiana glabra, which he grows for Christmas and Easter chiefly. He is now bedding this out in the open ground. He forces about 3000 pots. He also grows table Ferns, in pots, to the number of 50,000, and about 800 flats of the same, in ten varieties. He devotes one house to Boston Ferns and another to Dracænas and Pandanus. At present he has only one house devoted to Orchids, but he will build a new house 100 x 20 ft. this Summer, in which he will grow Cattleya Trianæ, which he thinks is the best paying variety. Mr. Savoy's range consists of six houses, each 100 ft. long.

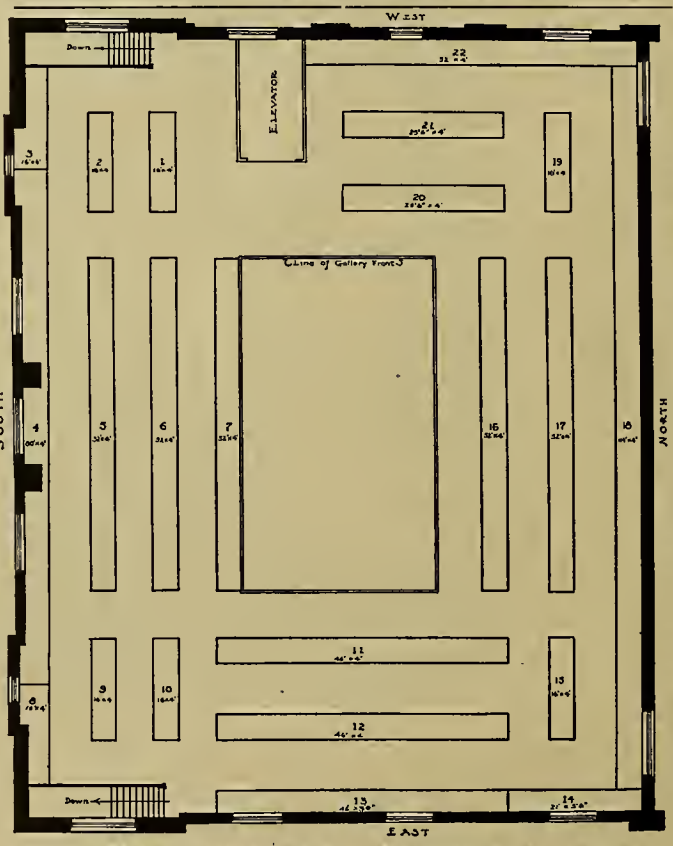
Meerbott Floral Co.

The specialties of this company are Sweet Peas and 'Mums. For Early Peas Mont Blanc, Earliest of All and Dorothy Eckford are being used; and for late largely the new Spencer varieties. In all, thirty-two varieties of 'Mums are grown, among which are Wm. H. Taft, Appleton, Brutus, Merza, Rosier, Monrovia, Adelie, Ongawa, Director Girard, etc. They are going to force 300,000 Valley and 30,000 Freezias next season. The King Construction Co. is now erecting for them two connected iron frame houses, each 125 x 41 ft., with concrete walls, and side and roof ventilation; and another house, 60 x 10 ft., for forcing Valley. The Johnson Heating Co., 138 East 31st st., New York City, furnishes the heating apparatus for the whole range, which consists of eight houses, 125 x 25 ft. each.

H. Schurman

In the eight houses of Mr. Schurman's range are grown Sweet Peas, Stocks, Stevia, and 'Mums. All plants here are grown in solid beds. The cut flowers from this range are sold at the N. Y. Cut Flower Exchange, New York City. For Sweet Peas, Zvolanek's varieties are used for early, and some of the Spencer types as well as others for late. Stevia is very largely grown for December cutting, and Stocks and 'Mums are important crops.

A block of 1000 outdoor Gen. Jacqueminot Rose bushes are well covered with buds which are now bursting into bloom, and give promise of a very large cut of flowers.



Gallery Plan at Convention Hall, Rochester, N. Y., showing apportionment of space to date to trade exhibitors at S. A. F. Meeting next August

Space **4**, Reed & Keller, New York City; **7**, S. S. Pennock-Meehan Co., Philadelphia, Pa.; **9**, M. Rice & Co., Philadelphia, Pa.; **11, 12, 13**, H. Bayersdorfer & Co., Philadelphia, Pa.; Wm. J. Boas, Philadelphia, Pa.

Secaucus Exotic Nursery

This substantial, well arranged and artistic establishment, of concrete and iron, consisting of twenty-two greenhouses, aggregating 75,000 sq. ft. of glass, was planned by the proprietors, Morris and Edward Mutillod, and built by them. They are now building an adjoined dwelling house of attractive and unique design, a brick and concrete structure surmounted with an artistic, tile covered spire.

True to its name, this is an "exotic nursery." The greenhouses are all filled with exotic plants, large and small, all of which show excellent culture. First may be mentioned the Palms of many varieties filling ten or more houses.. Palms from one foot or less to eight or more feet in height, and from a value of fifty cents to fifty dollars.

A splendid display of Phoenix is seen here: P. reclinata, P. Canariensis, P. Roebelenii, etc.; also equally well grown Kentias, Arecas, Latanias, Cocos, and others. One house is devoted to Dracæna terminalis, whose coloring is very beautiful; another to Dracæna Massangeana in fine form. Especially noticeable and praiseworthy are the more than twenty varieties of Crotons, which fill several houses. Among the Crotons is Reedii, considered one of the best. Some four or more houses are given up to Ferns of the following varieties: Nephrolepis elegantissima Bostoniensis, N. Scottii N. Amerpohli, N. Scholzeli, and others. One house is filled with Cibotium Schiedei, plants which are well worth going a long distance to see. Also are seen here Pandanus Veitchii and utilis, Aspidistras, Aucubas, etc. Mention, too, must be made of two varieties of one genus of plant not seen elsewhere, but grown here in perfection, viz., the beautiful Aralia Sieboldii, with its striking large, light green, digitate leaves, and A. elegantissima, with bronzy red, more finely dissected leaves of the same shape.

A rustic inside office, of white birch bark is in keeping with the whole artistic building, as also the electric lighting, with other uptodate furnishings of this establishment.

In the open field are grown 12,000 English Ivies.

John Albrecht, Pencoyd, Pa.

Mr. Albrecht's estate, where he has lived for twenty-nine years, is a somewhat unique one. It consists of a few acres of land upon which he has built eight side hill greenhouses, each 150 ft. long, twelve good-sized, substantial dwelling houses, and a Union church, where all, of whatsoever denominations, may worship. In connection with the church there is a Sunday school. There is also a library, a uniformed band of instrumentalists, a place for concerts and amusements, and an athletic club for the boys.

Mr. Albrecht evidently believes in the truth of the old adage "All work and no play makes Jack a dull boy, but all play and no work makes Jack a great shirk," for he requires of his own boys the work and also allows the play; and he has two good boys, one of whom keeps the books and the other manages the teams. Mr. Albrecht is obliged, in the busy season, to run six wagons, his two-horse wagon being the best one, which goes into Philadelphia.

For many years Mr. Albrecht catered to the West Laurel Hill Cemetery trade, but this year the Cemetery Association, having built its own greenhouses, shut out from the Cemetery outside florists. On this account Mr. Albrecht went into the wholesale business and began advertising. He is well satisfied with the results and finds that advertising pays. He imports between 1000 and 2000 Azaleas, which he forces for Easter. He is one of the largest forcers of Dutch Hyacinths, growing 12,000 per year, in pots. He is a large grower of Ficus elastica, using one entire house for this purpose; he cannot grow enough of them to supply the demand.

Another house is devoted to Pandanus utilis, Crotons and Ficus pandurata; another to Dracænas and Ferns; while other houses are used for Carnations.

At present he is growing a large line of bedding plants: 20,000 Geraniums, mostly Nutt, Ricard, Poitevine, and Jean Viaud; 20,000 Alternantheras, and several thousands each of Echeveria, Coleus, Petunias, Phlox, Vinca variegata, and English Ivy. The trade in these is very brisk, thousands going out each day. The plants are well grown and everything shows a prosperous business.

Mr. Albrecht has hit upon the following plan for increasing small sales: he knocks six plants of different kinds out of their pots, and places them in a two-quart berry basket, with handle, in damp moss, and sends them in to the retailers. Just at present these baskets are meeting with a very large sale.

F. E.—Best Advertising Medium

AT BAYSIDE, L. I., N. Y.

Different localities seem to be given more or less to growing certain flowers or plants. In Bayside the florists, with a few exceptions, grow Centaurea imperialis under glass, and double-flowering Pyrethrum outside.

Bernard Breckner

Mr. Breckner is the son of the late Gustav Breckner, who died Nov. 23 last in his 72d year, and who saw the beginning of the 34th st. market, and was a subscriber for the EXCHANGE from its first issue. Mr. Breckner has an estate of six and one-half acres, and a range of four greenhouses. In the Winter Carnations are grown in nearly all these houses; 'Mums, Stocks, and Centaurea imperialis are also grown. Beginning with the present season Carnations will be dropped, and the crops will be 'Mums, followed by Centaureas and Stocks, but the specialty will be Centaureas. Outside, the specialties here are Sweet Peas and Dahlias. In Dahlias, Jack Rose, Storm King, and a light pink seedling long grown here without name, and an old canary yellow Dahlia of unknown name are the favorites; Peonies, Pyrethrum, Gen. Jacqueminot Roses, and some shrubs are also grown. The property was recently on the market for sale, but has been withdrawn, as Mr. Breckner has decided not to sell and expects to build a new range of houses, possibly this Summer.

Charles Thienel

Mr. Thienel's range consists of five houses, on a three acre estate. Four of these houses are used for Carnations, the varieties being Enchantress, Scott, Winsor, Lawson, Boston Market and Maceo. In one house are grown 'Mums, which are followed by Stevia, and this by Stocks, Centaurea, and Callas grown in plunged pots. Outside are grown Pyrethrum, Carnations, Peonies, Ulrich Brunner Roses, Asters, Sweet Peas, California and Prince of Wales Violets in frames, Lilacs and Hydrangeas.

F. Finger

Six greenhouses on two acres of land constitute Mr. Finger's holding, which he improves to the limit. Outside, he has some of the earliest and finest Sweet Peas yet observed, from which he began to cut blooms on May 21. He is growing the following varieties: Blanche Ferry Spencer, White Spencer, Pink Spencer, and Enchantress Spencer, Dorothy Eckford, and Lady Grisel Hamilton, The Spencers are found to be hardy, stand the rainy weather well, and give large blooms.

Frau Karl Druschki and Brunner Roses are grown, a variety of Peonies, and an attractive light pink Pyrethrum sport. Three houses are devoted to Carnations, such as Enchantress, Victory, Lawson and White Perfection.

One house is used for 'Mums, which are followed by Stevia, and this by Centaureas and Stocks.

Joseph H. Beschamps

In twelve of his fourteen greenhouses, which are on his fourteen acre holding, Mr. Beschamps, grows Carnations. He is now cutting some very good blooms of the variety Lady Bountiful. In two houses 'Mums are grown, which are followed by Stocks. Outside, Asters only are grown.

John H. Taylor

Roses are grown in all the twenty-nine houses of this range, as follows: Seven houses to Bride, fourteen to Bridesmaid, four to Richmond, and two each to Killarney and Wellesley. The houses of Richmond are giving some nice blooms at present. The houses are all situated on a beautiful estate of two hundred and ten acres, an elevated situation overlooking Little Neck Harbor.

John Wallenborn

One house, in which is grown Enchantress and Victory Carnations, and one devoted to Sweet Peas, make up this range. The Sweet Peas are the very best indoor stock seen anywhere. They are in splendid condition and full of blooms of a high quality. The varieties are Shasta, Unwin, and Countess of Radnor. The Sweet Peas will be followed by 'Mums. The Carnations also are, considering the season, looking remarkably well.

F. Smith

Five of Mr. Smith's ten greenhouses are used for growing Enchantress and Boston Market Carnations, and five for 'Mums, chiefly Maj. Bonnaffon, and Ivory. These are followed by giganteum and multiflorum Lilies, Stocks and potted Callas. Outside, Sweet Peas and Asters are grown. The outside Sweet Peas are looking remarkably well.

Herman Blumenscheid

On his three acres of land Mr. Blumenscheid has seven greenhouses in which he grows Carnations only, the varieties being Enchantress, Lady Bountiful, Snowflake, and Victory. These Carnations show good culture and are giving some excellent blooms. Outdoors, Asters only are grown.

IN MARYLAND

R. Vincent, Jr. & Sons Co., White Marsh.

A visit to these well-known growers in a really quiet season, so far as many of their special industries are concerned, will perhaps afford the casual visitor as good an opportunity for obtaining an insight into the workings of the immense business undertakings as when one particular feature is predominating; for instance, in the Dahlia or Geranium shipping seasons.

The latest addition to the large range, two 35-ft. houses, which were erected throughout the coolest weather of last Winter and comprising something like 40,000 sq. ft., is now in full operation, being devoted principally to Geraniums; a special Herendeen boiler had to be installed for the purpose of heating this section.

In their preparation for next season's Geranium demand, special attention will be given to the Ivy class, it being the observation of the firm that these sorts are coming more and more into popular favor. A number of very fine and rarely seen varieties are being propagated, and will undoubtedly be a leading feature of next season's business.

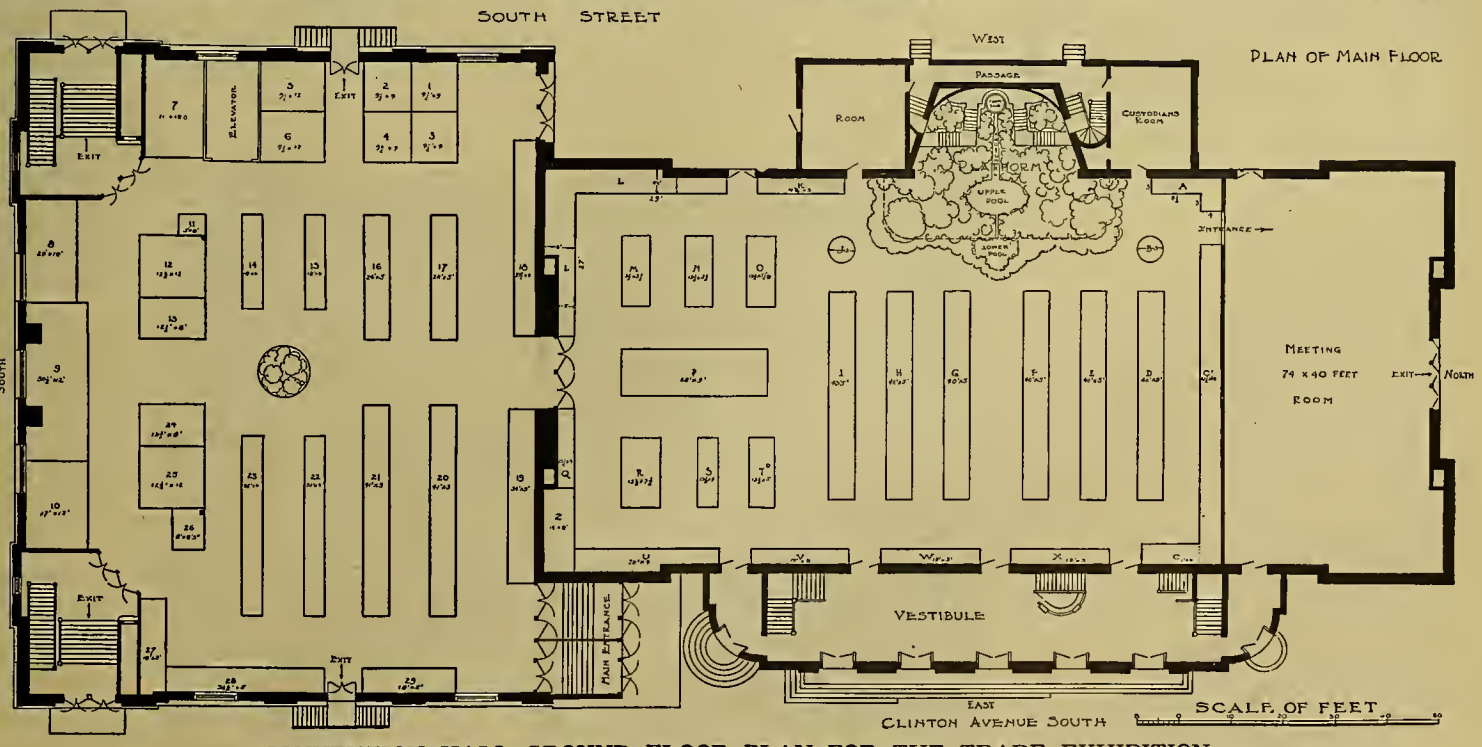
Their Dahlia plantings will probably be larger than ever. Some thirty acres of ground are to be set out with these Autumn flowers, the greater part of the bulbs and young plants being now in the ground. A section of the Dahlia grounds will be devoted to trials under name; that is, a certain number of Dahlias of each variety grown will be laid out in one large plot so as to facilitate and render less arduous the observation by visitors of the merits of each. A somewhat similar plan, arranged in a different way, is being pursued with regard to Cannas, and the newest varieties will be given a prominent position on the trial grounds so that they also can be inspected without having to go through the great space which the entire plantation occupies.

As an instance of the size of the orders received by this firm, a letter was shown, received on the morning of the writer's visit, calling for 30,000 Cannas out of 3-in. pots.

The real estate of the firm now comprises some 375 acres, nearly every portion of which is under cultivation.

A list showing the sales of vegetables and flowering plants and bulbs for the preceding week was shown the writer, the number of plants sold in both lines running up into the hundreds of thousands.

The SOCIETY of AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS TWENTY-SIXTH ANNUAL CONVENTION, ROCHESTER, N. Y., AUGUST 16 TO 19, 1910



CONVENTION HALL GROUND FLOOR PLAN FOR THE TRADE EXHIBITION

At Rochester, N. Y., showing apportionment of space to date to trade exhibitors at S. A. F. Meeting next August

Spaces **1, 2, 3, 4** will be occupied by Kroeschell Bros. Co., Chicago, Ill.; **10,** King Construction Co., N. Tonawanda, N. Y.; **11,** E. C. Brown Co., Rochester, N. Y.; **13,** Wilson-Hoyt Co., New York City; **14,** A. H. Hews & Co., Cambridge, Mass.; **19,** H. F. Michell Co., Philadelphia, Pa.; **20,** Arthur T. Boddington, New York City; **24,** Benjamin Hammond, Fishkill-on-Hudson, N. Y.; **26,** Morehead Mfg. Co., Detroit, Mich.; **A, C,** Robert Craig Co., Philadelphia, Pa.; **B, J,** H. Eichholz, Waynesboro, Pa.; **D,** Vick & Hill Co., Rochester, N. Y.; **E, F,** James Vick's Sons, Rochester, N. Y.; **G, H, I,** Henry A. Dreer Inc., Philadelphia, Pa.; **K,** Kessler Bros., New York and Geo. A. Kuhl, Pekin, Ill.; **L,** Ellwanger & Barry, Rochester, N. Y.; **N O,** John Lewis Childs, Floral Park, N. Y.; **M,** Shaw Fern Co.; **P,** Arthur Cowee, Berlin, N. Y.; **R,** Chas. D. Ball, Philadelphia, Pa.; **S, T,** Geo. B. Hart, Rochester, N. Y.; **W, X,** S. A. Anderson, Buffalo, N. Y.; **Z,** Jackson & Perkins, Newark, N. Y.

The Dahlia exhibition will take place as usual in the early Fall. Renewed efforts will be made to have this especially attractive to induce visitors to come to White Marsh from far and wide.

Richard Vincent, Jr., has just returned from a trip to Belgium, Holland and England, which he evidently much enjoyed, and he has accumulated considerable information as to the methods of florists abroad, with the details of which he will entertain the members of the Maryland State Horticultural Society at their show which takes place late this Fall. Lantern slides from pictures of the Haarlem Jubilee Show, the bulb fields, etc., will enliven this discourse. Mr. Vincent, as president of the Society, is working hard to make this the grandest show that has ever been held. He is possessing very good health, indeed, and is lending all his energy and mentality to place the Maryland State Horticultural Society as near the top of contemporary organizations as possible. In this he is ably assisted by many lieutenants, and as Mr. Vincent is undoubtedly the most popular florist in Maryland, that he will succeed in his endeavors is beyond question.

The greenhouses are well filled with young stock, and the company expects that in Geraniums, which is one of their specialties, they will make a record showing next season.

Flowers at King Edward's Funeral

No written description can give an adequate idea of the numerous wreaths (between 4000 and 5000), crosses, and floral decorations which were gathered together at Windsor from all parts of the world. The special correspondent of the Journal of Horticulture paid a visit to Windsor and found the center of the cloisters filled with magnificent tokens of sympathy. Owing to the number of visitors, however, it was only possible to get a passing glance. Around the sides of the chapel and cloisters were hundreds of others, and among them was noted a fine wreath of Odontoglossum crispum and Asparagus plumosus, bearing the words, "With the deepest sympathy and most profound respect from His Majesty's loyal subjects, Mr. and Mrs. Leopold de Rothschild." Near by was a tribute from Mr. J. Chamberlain, consisting largely of Orchids from the famous Highbury collection. They included sprays of Odontoglossum crispum, Cattleyas Schroederæ, Mendelii and Skinnerii, Phalænopsis Rimestadiana, Miltonia vexillaria, Lilium longiflorum, and Lily of the Valley. From the Duc d'Abruzzi came a tall pyramidal display of large pink Carnations and white Heather, with Palm leaves at the back. A large cross with no name attached, about 6 ft. in height, was made of Marechal Niel Roses; and from ex-President Roosevelt came a gigantic wreath of Odontoglossum crispum and Cattleyas.

In a recess close by, but not open to the public, could be seen one from the German Emperor, also principally made of Orchids; but one of the best was the large wreath, some 6 ft. or 7 ft. across, from the Sultan of Zanzibar, with Cycas leaves for a groundwork, and Orchids most artistically arranged. Another was "From New Zealand to her King," chiefly Orchids, with a bright patch of pink Pelargoniums, which provided a striking contrast. A flag was tastefully worked in red, white and blue upon a green base, as the token from Natal; and in "Loyal and affectionate remembrance from the citizens of Liverpool" came a large square design consisting of a groundwork of fresh green moss, with a border of Arborvitæ. Near the two top corners "Edward VII" was worked in red and white respectively, and the principal feature was an anchor of Roses, Lily of the Valley, and Lilium longiflorum—truly a fine example of the florists' art. The Royal Irish Constabulary, the City of London Imperial Yeomanry, the people of Wigan also sent conspicuous designs.

A wreath of white Heather came from the Highland Society, New Zealand; in fact, all the colonies were well represented by floral emblems. The people of Maidenhead, Berks., contributed an eagle upon a pedestal made chiefly of white Stocks. From Hammersmith (London), an open book with the words across its pages, "Hammersmith mourns our Beloved King." Another book design, edged with Laurel leaves, and a border of Violets with a groundwork of white Stocks, on which were displayed the words of the late King's favorite hymn, "Nearer my God to Thee," came from Sir Arthur and Lady Paget; the other leaf of this book was relieved with a small cross of Violets and a spray of Odontoglossum crispum.

Several cushions were seen. One was composed of green moss surmounted with the crown made of red Geraniums, which was forwarded by the Headquarters Staff of the Southern Command, "In honored and unfading memory of a great King." A cross 4 ft. high, from Lady Beerbohm Tree, of yellow Irises and yellow Arums, made quite a pleasing contrast, being unique and different from the majority in color, with an appropriate, biblical quotation. Red Roses in great quantity came from Lancaster; but some of the most touching tributes were those from school children. One wreath, between 4 ft. and 5 ft. in diameter, and bearing this inscription, "A loyal and loving tribute from school children of Trowbridge" (Wiltshire), was composed entirely of Orchis mascula, a native plant. Then there were quite small posies of Buttercups and other wild flowers, which shows the loving sympathy that existed between his late Majesty and the humblest of his subject. Another small group of common flowers had been gathered "by little children who loved their King."

Wreaths formed the bulk of the floral tributes, and the flowers chiefly employed were Odontoglossum crispum, of which there must have been thousands of spikes, Cattleyas, Roses, Richardias, white Stocks, Lilium longiflorum, and white Heaths. The foliage consisted of Asparagus, Palm leaves, Cycas, and Caladiums. Such a gorgeous display of the finest flowers that it was possible to procure was a fitting testimony to the opulence and prosperity of such a glorious reign, and as the writer left St. George's Chapel, the scene brought to mind the stanza of Grey's Elegy, which was written not far from Windsor:

"The boast of heraldry, the pomp of power,
And all that beauty, all that wealth e'er gave,
Await alike the inevitable hour—
The paths of glory lead but to the grave."

One of the loveliest tokens was that from the Greek community. It consisted of a broken column on three steps, made entirely of white Stocks, with a magnificent group of mauve and white Orchids at base, with inscription printed on purple ribbon in silver. Another very beautiful wreath took the form of a chaplet of Laurel, with spray of green and white Orchids and scarlet and white ribbon, with inscription printed in silver. A Russian cross of immense length and woven of Parma Violets was the offering of the Grand Duke Michael and Countess Torby. The Aga Khan's gigantic wheel of Lilies and Roses, the 14 ft. long cross of Laurels, Lilies, Roses and Orchids from Prince Ching, and a huge wreath of Malmaisons from the Duke of Orleans, were each conspicuous among the great mass of floral tokens, which together it is estimated weighed about twenty-five tons. From Lancaster a special messenger was despatched to Windsor with a beautiful chaplet of red Lancashire Roses 7 ft. in height, and resting on a 6 ft. base, bearing an inscription.

The "Glasgow Evening Times," May 16, in figuring the wreath "From the Lord Provost, Corporation, and Citizens of Glasgow, in memoriam of their late beloved Sovereign, King Edward," says it was an elegant combination of flowers grown in the municipal conservatories. The wreath was circular and about 4 ft. in diameter. Around the outer edge was a broad band of royal purple Cape flowers, with white Arum Lilies on the top. A St. Andrew's cross was composed of pure white Gnaphaliums surmounted by white and purple Orchids. In the center of the cross was an imperial crown formed of golden yellow flowers, above and beneath which were the dates of King Edward's birth and death, 1841 and 1910, while in the spaces to the left and right respectively were the letters "E" and "R," the figures and initials being worked out in bright red Gnaphaliums on a background of Ferns. The wreath was designed by Mr. James Whitton, superintendent of parks, and made up by Mr. William Leighton, florist, Renfield st.

A very handsome and imposing wreath was sent by the Corporation of the City of Edinburgh. This was designed by Mr. McHattie, the well-known city gardener, and executed by Mr. Harry Erskine, florist, Frederick st. Circular in shape, the wreath was 6 ft. in diameter, and composed entirely of various Heaths. On a groundwork of Indian moss, the body of the wreath was composed of Erica persoluta alba, the Heath most resembling Scottish white Heather, and on this, in artistic fashion, were clumps of Ericas Cavendishii, magnifica, hybrida, candidissima, various varieties of ventricosa, translucа, etc. The center was filled in with white satin, on which was sewn in black the City of Edinburgh Arms. In its composition there were, we understand, nearly 200 pots of Heath used. Before being despatched to Windsor it was on view in Mr. Erskine's shop, and visited by many thousands of people. A number of other wreaths were sent from Edinburgh, the most notable, from public bodies, being a very handsome one from the Masonic Lodges, executed by Mr. John Downie; one in Forget-me-nots and Marechal Niel Roses from the Boy Scouts of Scotland, by Messrs. Todd & Co., and one from the Clan MacDougall, by Mr. Thos. Fortune.

There were two conspicuous wreaths from Reading, one of which, from the Royal Seed Establishment of Messrs. Sutton & Sons, was noble in its magnificence. This magnificent floral tribute was not less than 7 ft. in diameter, and was noble in its simplicity, the only flower used being Lilium longiflorum giganteum set in a background of Palms and Cycas leaves, draped with royal purple ribbon and bearing the following inscription: "A grateful token of the heartfelt sorrow and loyal devotion of His Majesty's most obedient and humble servants, Martin J. Sutton, A. W. Sutton, L. G. Sutton, M. H. F. Sutton and E. P. F. Sutton."

Manchester City also contributed a magnificent wreath in token of its grief.

The cost of the floral tokens was reported to vary from £10 to £100. Assuming there were 4500 at £20 apiece, this would mean a sum of £90,000.—*Journal of Horticulture.*

The Dinner to President Taft at Detroit

Retailers in general are very busy and will be so during the next few commencement and wedding weeks. From all appearances it will be difficult to procure the necessary supplies.

The arrival of Pres. Taft gave Breitmeyer's a good deal of work and they decorated the large armory, where about 900 ft. of tables, to accommodate some 800 members of the Board of Commerce, were laid for the big banquet.

The ugly rafters of the ceiling were successfully covered with sheets of white and yellow cotton, criss-crossed with Laurel wreathing and American flags, using up nearly 1000 yds. of Laurel. All the sides were covered with red, white and blue cotton, large groups of Palms breaking up the otherwise straight lines. Back of the speakers' table were eight high columns, surmounted by electric lights, each column flanked with tall Kentias and connected by Laurel. Seven large colonial gold dishes, partly round, partly long, square-shaped, filled profusely with Richmond Roses and Deutzia, using up about 1000 Roses, were used as table decorations for the speakers' table. The other tables were strewn with Fern leaves and 3000 Carnations.

Palmer's (Buffalo, N. Y.) Memorial Day Window

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street
Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street
We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street
We cover all New England points. Retail orders placed with us receive careful attetion. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — BOSTON, MASS. — 24 Tremont Street
Orders by wire receive prompt and careful execution. We can refer to leading florists in all principel cities. Estabilished 1870.

Zinn the Florist — BOSTON, MASS. — No. 1, Park St. No. 2 Beacon St.
Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Robt. G. Wilson — BROOKLYN, N. Y. — Fulton St. and Greene Ave
Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — BUFFALO, N. Y. — W. J. PALMER & SON, 304 Main St.

JULIUS BAER, CINCINNATI, O. — Fourth St.

Frank F. Crump — COLORADO SPRINGS, COLO. — Retail Florist
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co — CONNECTICUT — New Haven — 1026 Chapel St., Opposite Yale College
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited

W. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

The Park Floral Co. — DENVER, COLORADO — 1706 Broadway
J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

Bride's Bouquet
Composed of Lily of the Valley and Orchids, showered with Lily of the Valley
By W. J. Palmer & Son, Buffalo.

As usual, the following morning the center pieces were called for to be brought back to the store and, as they were missing, a general search was made, conditions, however, preventing this from being very thorough. Great was the surprise when our local florist detective, Hugo Schroeter, called up Breitmeyer, conveying the surprising news that a young man was trying to sell them among the florists. There was some very hasty moving from flower store to flower store but, in less than an hour, the culprit, Wm. Tucker, was safely landed in jail. He is exclusively a local talent and need not be feared by other florists, although he seems to be greatly attached to the florist trade, having stung Breitmeyer's twice before. Notwithstanding this fact, Mr. Phil. Breitmeyer refused to prosecute, being satisfied with giving him a strong lessou by keeping him two days under suspense in jail.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Grafiot Ave.
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co — INDIANAPOLIS, IND. — 241 Massachusetts Ave.
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — JACKSONVILLE, FLA. — 20 Laura St.
We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — KANSAS CITY, MO. — 1017 Broadway
I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

Jacob Schulz — LOUISVILLE, KY. — 644 Fourth Avenue
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — MONTREAL, CANADA — 855 St. Catherine St., West
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Alex. McConnell — NEW YORK — 571 Fifth Avenue
American and European Correspondence.

Young & Nugent — NEW YORK — 42 West 28th Street
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark, Florist — SCRANTON, PA. — 122 and 124 Washington Ave
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

For "Supply" Advertisements see page 1041

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Minnetonka	Jun. 11	9 30 am.	W. 16th St., N. Y.	London
St. Louis	" 11	10.00 am.	W. 23rd St., N. Y.	Southampton
Cincinnati	" 11	10.00 am.	1st St., Hoboken	Hamburg
California	" 11	10 00 am.	W. 24th St., N. Y.	Glasgow
Caronia	" 11	10.00 am	W. 14th St., N. Y.	Liverpool
Fred der Grosse	" 11	11 00 am.	3rd St., Hoboken	Gib-Nap-Geno
Vaderland	" 11	11.00 am.	W. 18th St., N. Y.	Antwerp
Baltic	" 11	12.00 m.	W 21st St, N. Y.	Liverpool
Duca di Genova	" 11	12.00 m.	W. 34th St., N. Y.	Naples-Genoa
La Gascogne	" 11	3.00 pm.	W. 15th St., N. Y	Havre
Floride	" 11	3.00 pm.	W. 44th St., N.Y.	Havre
Patris	" 12		Pier 22, Bklyn	Piraeus Patras Smyrna
K'r W. d. Gr'sse	" 14	10 00 am.	3rd St., Hoboken	Bremen
New Amst'rdam	" 14	10.00 am.	5th St., Hoboken	Rotterdam
Batavia	" 14	2.00 pm.	1st St., Hoboken	Naples-Genoa
Florida	" 14	12 00 m.	Bush Dks. Bklyn	Naples-Genoa
Campania	" 15	9.00 am.	W. 14th St., N. Y.	Liverpool
Oceanic	" 15	12.00 m.	W. 21st St., N. Y.	Southampton
Pennsylvania	" 15	1.00 pm	1st St, Hoboken	Hamburg
Russia	" 15		Bush Dks, Bklyn	Rot'd'm-Libau
La Provence	" 16	10.00 am.	W. 15th St., N. Y.	Havre
Bremen	" 16	10.00 am.	3rd St., Hoboken	Bremen
Ultonia	" 16	12.00 m.	W. 14th St., N.Y.	Napls-Trieste
C. F. Tietgen	" 16	2.00 pm.	17th St. Hoboken	Copenhagen
Celtic	" 18	9.00 am.	W. 21st St., N.Y.	Liverpool
New York	" 18	10 00 am	W. 23rd St., N.Y.	Southampton
Lapland	" 18	11.00 am	W. 18th St., N. Y.	Antwerp
Koenig Albert	" 18	11 00 am	3rd St., Hoboken	Gib-Nap-Geno
Luisiana	" 18	12.00 m.	Bush Dks. Bklyn	Naples-Genoa
Cleveland	" 18	2.00 pm.	1st St., Hoboken	Hamburg
Minneapolis	" 18	3.00 pm.	W 16th St., N.Y.	London
Furnessia	" 18	3.00 pm.	W. 24th St., N.Y.	Glasgow
Roma	" 18		Pier 33. Bklyn	Naples
Perugia	" 18		Union Strs. Bkl'n	Naples
Hamburg	" 21	9.00 am.	1st St., Hoboken	Gib-Nap-Geno
Noordam	" 21	10.00 am.	5th St., Hoboken	Rotterdam
Kronp. Cecilie	" 21	10.00 am.	3rd St., Hoboken	Bremen
Oceania	" 21	12.00 m.	Bush Dks Bklyn	Naples-Genoa
Mauretan a	" 22	9.00 am	W. 14th St., N Y.	Liverpool
Majestic	" 22	9 30 am.	W. 21st St., N. Y	Southampton
San Giorgio	" 22		Pier 22, Bklyn	Napls-Palrmo
La Lorraine	" 23	10 00 am	W. 15th St., N.Y.	Havre
Graf Waldersee.	" 23	10 00 am	1st St., Hoboken	Hamburg
Main	" 23	10.00 am.	3rd St., Hoboken	Bremen
From Boston				
Parisian	Jun. 10	12.00 m.	Mystic Whf. Char	Glasgow
Canopic	" 11	1 30 pm	B & M Dks Char	Gib-Nap-Geno
Cymric	" 14	4.00 pm.	B & M Dks. Char.	Liverpool
Lancastrian	" 17	7.00 am.	B & M Dks. Char	London
Winifredian	" 18	5 30 pm	B&H Dks, E. Bos	Liverpool
Saxonia	" 21	9.00 am.	B&H Dks, E. Bos	Liverpool
Canadian.	" 22	9 30 am.	B&H Dks, E. Bos	Liverpool
Numidian	" 24	10 00 am	Mystic Whf Char	Glasgow
Romanic	" 25	12.00 m.	B & M Dks. Char	Gib-Nap-Geno
Philadelphia				
Mongolian	Jun 11		24 No. Wharves	Glasgow
Taormina	" 15		80 So. Wharves	Naples-Genoa
Haverford	" 18	10 00 am.	53 So. Wharves	Liverpool
Menominee.	" 24	10.00 am.	55 So. Wharves	Antwerp
Carthagenian	" 25		24 No. Wharves	Glasgow
San Francisco				
Nippon Maru	Jun. 21	1 00 pm.	1st Street	Honolulu
Siberia	" 28	1.00 pm.	1st Street	Japan
China.	July 6	1 00 pm.	1st Street	China

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 16 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 13 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—By all-around man, age 35, good grower and designer. Address R. C., care The Florists' Exchange.

SITUATION WANTED—By German, experienced in Carnations, 'Mums and general stock. References. L. Geh, care Mrs. Connelly, 148 6th ave., Brooklyn, N. Y.

SITUATION WANTED—By a competent florist who is a special grower of Roses, Carnations and 'Mums. Good references. Address, S. I., care The Florists' Exchange.

SITUATION WANTED—By Rose and Carnation Grower, single, good experience; would also go as assistant; some experience in pot flowers. Address William Billetter, 3529 Eighth ave., New York City.

SITUATION WANTED—By experienced landscape gardener. Good draughtsman and superintendent for grading and planting. Best of references. Address P. O. Box 125, Little Silver, New Jersey.

SITUATION WANTED—By man, age 26, as assistant grower of Roses and Chrysanthemums. Good all-around general stock grower. State wages. Best of references. Address John Schwartz, care S. Koven, Secaucus, N. J.

SITUATION WANTED—By good grower, German, single, with 21 years' practical experience. Competent to take charge; honest worker for employers' interest. Please state wages and particulars in first letter. Address S. F., care The Florists' Exchange.

SITUATION WANTED—By experienced greenhouse man and gardener, 36, single, German, good willing worker, on private or commercial place. References; state wages and particulars. Address, G. K., care of A. Geiger, 198 Woodward ave., Brooklyn, N. Y.

SITUATION WANTED—On commercial or private place by practical man of long experience. Good budder, propagator of shrubs and other plants. Can furnish references. Austrian, single, 36 years. Address F. N., care Jos. Kasper, 1378 First ave., N. Y. City.

SITUATION WANTED—By first-class designer and maker-up, German, 32 years, who is also acquainted with any line of the branch. Advertiser who speaks German and French (not English) is looking for a place as designer especially. First-class references from Europe; strictly sober, honest and working for employers' interest. Address, S. K., care The Florists' Exchange.

SITUATION WANTED—Advertiser having recently completed the construction of an extensive estate, is open to undertake the management or construction of large estate or park system; experienced in road construction, grading, planting, etc., can work by plans. Thorough knowledge of every branch of Horticulture, Nursery and Herbaceous Stock. Good salesman. Connection with first-class nursery firm desired. Address "Experience," care The Florists' Exchange.

SITUATION WANTED—By a practical gardener, on a private or commercial place, age 33 yrs., married, 2 children; 13 years' experience—7 years on private and 6 years on commercial place. Al grower of Roses, Carnations, 'Mums, bedding and all general pot plants. Able to take care of lawns, trees and shrubs, of growing of fruits and vegetables, outdoors and under glass. Advertiser would like a place on salary and commission. Best of references. Address S. A., care The Florists' Exchange.

HELP WANTED

WANTED

Young men with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best recommendation.

Address

THE ELM CITY NURSERY CO., New Haven, Conn.

Please mention the Exchange when writing.

HELP WANTED

WANTED—A man for general greenhouse work. Address H. D. Darlington, Whitestone ave., Flushing, L. I., N. Y.

WANTED—Gardener, familiar with growing Orchids, to work under foreman; wages $14 per week. Address, S. M., care Room 614, 60 Wabash ave., Chicago, Ill.

ASSISTANT FOREMAN WANTED—On a large place; if competent, $20.00 per week salary. State full particulars. Address S. D., care The Florists' Exchange.

WANTED—Useful man on large plant; one who understands steam boilers preferred. Good position to right party. Address S. E., care The Florists' Exchange.

WANTED—Thoroughly experienced man to grow Roses, Carnations and Chrysanthemums; must send recommendation in first letter. $60.00 per month and board. No drinker need apply. Address L. A. Whitmore, Buchtel, Ohio.

WANTED AT ONCE.—A No. 1 handy man around a commercial place, must be handy with tools, pipe fitting, carpenter work, boilers, etc., and anything that comes to hand. Wages $60.00 per month. Address, S. L., care The Florists' Exchange.

WANTED—First-class decorator and all-round florist for best N. Y. City trade; capable of taking charge and estimating on all kinds of decorations. Must be artistic and original. Address, S. H., care The Florists' Exchange.

WANTED AT ONCE.
Thoroughly competent man on up-to-date place of 32,000 sq. ft. of glass, where Carnations, Roses, 'Mums, bedding stock and a general stock are grown. Send references and wages wanted, with inquiry. Aug. von Boeselager, Mt. Clemens, Mich.

WANTED—A sober, reliable experienced all-round man as working foreman on a place of 30,000 feet of glass where Ferns, Palms, Easter and Spring stuff are grown; married man preferred. Also a good assistant grower and potter wanted. Apply to P. Wagner, Troy ave. and Midwood st., Flatbush, Brooklyn, N. Y.

ASSISTANT GARDENER WANTED
WANTED—A young man capable of putting out bedding plants, caring for flower beds and making himself generally useful about flower and vegetable garden as assistant gardener on a private place; must have some experience in greenhouse work. Permanent position with $35.00 a month and board, to a good man, who is quick and neat about his work. No others need apply. Apply by letter, stating references, to H. B. McCollum, 100 Maryland ave., Wilmington, Del.

Wanted—Manager For a Seed Store

Must know the business, be a good executive, energetic and a hustler. Address with references

S. B. care The Florists' Exchange

Please mention the Exchange when writing.

Foreman Wanted

Wanted a good reliable working Foreman, on a place of 40,000 feet, growing Roses, Carnations, Violets and General Stock. Must be well recommended. Good wages.

A. DALLAS

119 Grand St., Waterbury, Conn.

Please mention the Exchange when writing.

STOCK FOR SALE

ASPARAGUS

ASPARAGUS SPRENGERI, 2-in., $2.00 per 100; 3-in., $4.60 per 100. Asparagus Plumosus, 3-in., $5.00 per 100; strong plants. Cash please. J. S. Pfeuffer, Chester Heights, Pa.

ASPARAGUS SPRENGERI
2¼ in. pots, fine stock, $2.25 per hundred, $20.00 per thousand.
The Good & Reese Co., Springfield, Ohio. Largest Rose Growers in the World.

STOCK FOR SALE—Asparagus Sprengeri, large seedlings, 60c. per 100. Asparagus Sprengeri, out of 3 and 3½-in. pots, $6.00 per 100. Salvia, Bonfire out of 3 and 3½-in., pots, $3.00 per 100.
Smilax, extra large young plants, cut back the second time, 2¼-in. pots, $15.00 per 1000 or $2.00 per 100. Cash with order.
P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

STOCK FOR SALE

ASPARAGUS

To Clean Up Stock

3000, 3-in., ASPARAGUS Sprengeri, ready for 4-in., $3.60 per 100, $30.00 per 1000; 2-in., $15.00 per 1000.
1000, 3-in., ASPARAGUS Plumosus, ready for 4-in., $5.00 per 100, $40.00 per 1000.
Bench Stock of ASPARAGUS Plumosus, $5.00 per 100. Cash With Order.

Satisfaction Guaranteed

ERDMAN & ULRICH

Florists Belair Road, BALTIMORE, MD.

Please mention the Exchange when writing.

CHRYSANTHEMUMS.

GLORIA—100, $3.50; Pres. Taft, Mrs. W. E. Kelley, 100, $3.00; Golden Glow, Pacific Supreme, White Cloud, 100, $1.25; R. C. prepaid; Gloria, 2½-in., $3.00. Chas. Frost, Kenilworth, N. J.

Chrysanthemums

1000 Appleton, 1000 Enguehard, 1500 Bonnaffon, 1000 Polly Rose and 1000 Pacific

$3.00 per 100, $25.00 per 1000

Also many other varieties in stock in smaller quantities.

Charles H. Totty

MADISON, N. J.

Please mention the Exchange when writing.

CHRYSANTHEMUMS
Clementine Touset, Plants, $3.00 per 100, $25.00 per 1000; Rooted Cuttings, $2.00 per 100, $17.50 per 1000. Ivory, Monrovia, October Frost, Pacific Supreme, A. J. Balfour, Tim Eaton, White Cloud, Jeanne Rosette, Maud Dean, Yanoma, Plants, $3.00 per 100, $25.00 per 1000; Rooted Cuttings, $2.50 per 100, $20.00 per 1000. Col. D. Appleton, Crocus, Major Bonnaffon, Mlle. Jeanne Nonin, Plants, $3.00 per 100, $26.00 per 1000; Rooted Cutings, $2.00 per 100, $16.00 per 1000. Gloria, Pres. Roosevelt, Golden Eagle, Intensity, Nagoya, Plants, $4.00 per 100, $30.00 per 1000; Rooted Cutings, $3.00 per 100, $25.00 per 1000. Indiana, Mrs. W. E. Kelley, Plants, $4.00 per 100, $30.00 per 1000; Rooted Cuttings, $3.00 per 100, $26.00 per 1000. Pres. Taft, Plants, $10.00 per 100; Rooted Cutings, $8.00 per 100. Special fine lot of Anemones, Pompons and Singles from pots, list of varieties on application, our selection, $3.00 per 100, $25.00 per 1000. Elmer D. Smith & Co., Adrian, Mich.

GERANIUMS

GERANIUMS—Double Grant, fine stocky plants, in bud and bloom, 6 cents. Cash with order. Shelly, The Florist, Tuckahoe, N. Y.

700 GERANIUMS, 3½-in. pots, mostly Double Grant, in bud and bloom, $6.00 per 100; 1500, 2½-in., $2.50 per 100. Cash please. Arthur Cornelis, Somerville, N. J.

GERANIUMS—4-in. stocky plants in bud and bloom; Ricard, Poitevine, Perkins, Viaud, Jaulin, Buchner, Doyle, $6.00 per 100. Vinca Variegata, 2-in. strong, $3.00 per 100. Cash please. Schroeder Bros., Ramsey, N. J.

GERANIUMS.
Mrs. E. G. Hill, 4-in. pots, $7.00 per 100.
Salvia, 2½-in. pots, $3.00 per 100.
Verbenas, 2½-in. pots, $3.00 per 100.
All above plants are in bud or bloom; fine and healthy stock. A. Laub & Son, Hughsonville, N. Y.

Mme. Salleroi Geraniums

Extra large 4 inch stock, $5.00 per 100.

NICHOLAS ROTHAR Central Ave., Cor. Chauncey St. BROOKLYN, N. Y.

Please mention the Exchange when writing.

ROSES

ROSES, STRONG, CLEAN STOCK
Own root: Bride, Bridesmaid, Chatenay, Golden Gate, Pink Killarney, Kaiserin and Perle, $6.00 per 100; Grafted White Killarney, $14.00 per 100. P. R. Quinlan, Syracuse, N. Y.

STOCK FOR SALE—1000 Pink Killarney and 600 Richmond, 7 cents each; 2000 Maid plants, 6 cents each; 400 one year old Gardenia plants, 25 cents each; all fine plants in 4 in. pots; also 10 second-hand 4-in. hot water valves at $2.50 each.
Brant-Hentz Flower Co., Madison, N. J.

SMILAX.

SMILAX—Strong seedlings, 40c. per 100, $3.50 per 1000. Cash please.
Wm. Livesey, 6 McCabe st., New Bedford, Mass.

SMILAX, one year, 35c. per 100; $3.00 per 1000; older roots, every one of which will give you a fine string of smilax the coming season, $3.00 per 100; $15.00 per 1000. Park Hill Floral Co., Hemet, Cal.

STOCK FOR SALE

MISCELLANEOUS

LEMON VERBENA, Heliotrope, Stevia and Feverfew, R. C., 75c. per 100, prepaid. Chas. Frost, Kenilworth, N. J.

IVY
English Ivy, 2-in. pots, $3.00 per hundred. Henry Engler, 4661 Lancaster ave., Philadelphia, Pa.

SALVIA ZURICH, 2-in., $1.50 per 100. S. A. NUTT, 2-in., $2.00 per 100.
F. A. Ezold, Haddam, Conn.

POINSETTIAS.
Fine young Poinsettia stock in 2½-in. pots. Correspondence solicited.
W. H. Siebrecht, Astoria, L. I., N. Y.

STOCK FOR SALE—40,000 Verbena plants in bud and bloom, $20.00 per 1000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

HARDY and TENDER NYMPHÆAS, all classes. Choice assortment of aquatic plants, Eulalias, etc. Price on application. Edw. S. Schmid, 712 12th st., N. W., Washington, D. C.

HOLLYHOCKS—Strong seedling plants, pink, yellow, white and red, $1.00 per 100, $8.00 per 1000. 20,000 Tritoma Pitzeri seedlings. B. A. Bohnslav, Japanese Maple Specialist, Newport, R. I.

CANNAS—4 in., $7.00; Geraniums, Rose, 3½ in., $7.00; Mme. Salleroi, 3 in., $5.00. Heliotrope, 3½ in., $7.00, 2¼ in., $2.50. Salvia, 3½ in., $5.00, 2¼ in., $2.00. Peckham Floral Co., Fairhaven, Mass.

STOCK FOR SALE—Hydrangeas, in butter tubs, covered with buds and bloom, $3.00 and $4.00 each.
Caster Oil Bean Plants, $6.00 per 100.
Anthericums ,$6.00 per 100.
Eswell Kemp, 349 Grove st., Newark, N. J.

WELL GROWN STUFF, in flower, at bargain prices. Begonia Vernon and Begonia Bridal Veil dwarf Pink, Dreer's Single Giant Fringed Petunias, Lobelia Crystal Palace, 3½ in., $4.00 per 100. Gazania Splendens and Ice Plant in 4-in. at $6.00. Alyssum Dwarf Compacta, 3-in., $3.00 per 100. Cash with order.
Noroton Greenhouses, Noroton, Conn.

BEGONIA Lorraine and Agatha—2¼-in., twice transplanted, $12.00 per 100; in 600 lots, $60.00 per 600.
Box Trees, all sizes. Ask for special list.
Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.
Orchids, largest stock in the country.
Stove Plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. Y.

FERNS

Ferns in flats, ready for immediate delivery, separate varieties; Pteris adiantoides, P. magnifica, P. Mayii, P. Wilsonii, P. Wimsetti, Aspidium Tuessimense, and Cyrtomium Falcatum.

KESSLER BROS.

450 Sixth Avenue, NEW YORK

Please mention the Exchange when writing.

STOCK WANTED

WANTED AT ONCE—10,000 Genuine Livingston Globe Tomato Plants, large enough to set in field. Mail sample of plants. Address Geo. R. Pedrick & Son, Pedricktown, N. J.

WANTED—Latania Borbonica, 3½ to 5 feet tall; also Hydrangea Otaksa, in half barrels or butter tubs. N. A. Corlin, Elberon, N. J.

FOR SALE OR RENT

FOR SALE ON EASY TERMS—Greenhouse establishment, about 10,000 ft. of glass, doing most excellent home business in very wealthy section, near New York. Address, R. D., care The Florists' Exchange.

TO LEASE—In Brooklyn, 10,000 to 12,000 sq. ft. of glass in good condition. Place fully stocked. Handy to cars. For further particulars address R. B., care The Florists' Exchange.

FOR SALE—Greenhouses property of 10,000 ft. of glass, A 1 condition. Steam heating, electric light; the same is stocked with Roses, Carnations and bedding plants. The reason for selling: I have two establishments and must dispose of one. Inquire of W. D. Snell, Herkimer, N. Y.

FOR SALE—Long established florist store, on Broadway, foot of Halsey st. "L" Station; a good steady business to be sacrificed for little money, owing to old age and other circumstances. Knickman, 1662 Broadway, Brooklyn, N. Y.

BUSINESS OPPORTUNITY PACIFIC COAST

Controlling interest may be acquired in old established Florist and Nursery Business. Splendid properties, 26,000 feet of glass, 20,000 feet of new modern, best construction. Town 16,000, with large cities nearby. Property is well stocked, with all buildings in first-class condition; doing a very profitable business, which can be increased to any extent. Splendid reputation and no embarrassment of any kind. Address for particulars,

P. G., care The Florists' Exchange, New York City

MISCELLANEOUS WANTS

WANTED TO RENT—Retail greenhouse establishment in good condition. State terms. Address Box 07, Jersey City, N. J.

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

BUSINESS CONNECTION DESIRED

A landscape gardener, talented and well acquainted with everything horticultural wants to come in connection with a large Nursery or other establishment. Address, P. B., care The Florists' Exchange.

WANTED TO LEASE—With option of buying about 5000 to 8000 ft. of glass with dwelling on ground. Must be in good condition, and located near Philadelphia. Address S. G., care The Florists' Exchange.

WANTED TO BUY—On easy terms, or to rent a greenhouse property, up-to-date. Advertiser would also go in as partner and take full charge. New England preferred. Address "Successful Grower," care The Florists' Exchange.

WANTED

An Agency for First Class Vegetable Fertilizer

Write with full detsils and samples to

ALBERTO R. LANGWITH & CO.

Seedsmen and Florists

66 Obispo Street, Havana, Cuba

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ADVERTISER

would like to communicate with a

Florist or Nurseryman

with ten or twelve thousand dollars who would like to go into business on the Pacific Coast. Address,

S. C., care The Florists' Exchange

Please mention the Exchange when writing.

SUNDRIES FOR SALE

FOR SALE—100 greenhouse sash, new, 3x6; also 300 boxes of glass, double thick, 10x14; all kinds of boilers in good condition, cheap for cash. R. Gelb & Sons, 229 Livingston st., Newark, N. J.

FOR SALE—An Ideal boiler, S. 24-7, 1200 square feet radiation, with Archan No. 10 hot water stove, good as new; only two seasons used. Address, Albert & Davidson, 68 Troutman st., Brooklyn, N. Y.

FOR SALE—No. 4 Scollay portable hot water boiler 700 sq. ft. capacity or 1160 lineal ft. of 2-in. wrought iron pipe, in good condition, f.o.b. Brooklyn. Price $48.00 R. C. Vernes, 175 Senator st., Brooklyn, N. Y.

FOR SALE—No. 5 Kroeschell hot water boiler, will heat 12,000 feet of glass. Boiler 4 years old and good as new. 1 Furman hot water boiler No. 8, in good condition. Come and see them working. L. Cousins, Jr., Concord Junction, Mass.

FOR SALE—Modern greenhouse, 22x80, with propagating house, 6x80, attached, Hitchings all iron construction, complete, cheap; also 25,000 feet 1¼, 1½, 2 and 3 in., wrought pipe; 1,000 feet Vent. Apparatus; 2 No. 17 Hitchings and 3 sectional cast boilers; 50 boxes 10x14 and 50 boxes 16x24 double thick glass; 300 boxes 10x12 double thick glass in big lots at $1.55 per box. Sash bars, etc. Suessermann, 229 Livingston st., Newark, N. J.

FLORIST WAGON FOR SALE

ONE CLOSED WAGON, $125.00

In the very best of condition. Write for particulars to

S. S. PENNOCK-MEEHAN CO.

1608 Ludlow St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

We Pay The Freight on cut-flower and design boxes. See our price list on page 1041, this issue. Prompt shipment out HOBBY.

CLIMAX MANUFACTURING CO.

Box 200 - - - Castorland, N.Y.

Please mention the Exchange when writing.

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.60 and up. New, 1¼ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 3 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1388-1408 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

ALL NURSERYMEN

SEEDSMEN and FLORISTS

Wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

Editors of the "H. A."

Chilwell Nurseries, - Lowdham, Notts.

European Agents for

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Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

Roebling & N. 11th Sts., BROOKLYN, N. Y.

Please mention the Exchange when writing.

Elberon (N. J.) Hort. Society

This Society held its monthly meeting on June 6, President Peter Murray in the chair. It was decided to hold its Rose and Strawberry show on the evening of June 16, in the Elberon Fire Engine Hall, where we hope to have a nice collection of Roses. In the awards for competition for points C. Duncan, Lettuce, 80; A. Bauer, Roses, 78. Mr. Bauer was awarded a preliminary certificate of merit for a new hybrid Petunia, which is of a fine dark blue color.

ALEX. FLEMING, Rec. Sec.

Yonkers (N. Y.) Hort. Society

The regular monthly meeting of the Society was held in Wiggins' Hall on Friday evening, June 3, with a large number of members present and President Bennett in the chair.

The president appointed the following as judges of the Peony exhibits made that evening: L. Whitman, J. Goff and Mr. Knapper. As the competition was very close, the judges were some time in deciding, but finally awarded the prizes as follows: First, R. Cochrane, gdr. to Mr. Ewing; second, J. Campbell; third W. Habach. W. H. Waite had some very fine Muskmelons on exhibition and was awarded a cultural certificate. After the judging, a discussion was taken part in by several of the members as to how they grew Peonies. H. Nichols read a very able and instructive paper on "Calceolarias," in which he fully explained how to grow and handle those very interesting flowers. There was a general discussion on the paper.

The executive committee reported on the June show, and said all arrangements were now made to hold it on June 17, afternoon and evening, in Hollywood Inn Hall. Louis Melliot has been appointed show manager, and will make a good one, being a hustler. The secretary of the committee is W. H. Waite, the well known superintendent of the Greystone Gardens, and anyone wishing a copy of the schedule or entry blanks, can get the same by applying to him.

LEE WHITMAN, Cor. Sec.

Albany Florists' Club

At the regular monthly meeting of the Albany Florists' Club held June 2. Fred A. Danker handed in his resignation as chairman of the flower show committee. President Goldring has announced the following committee which will have charge of the arrangements for the second annual show to be held in November: Frank M. Braire, chairman; Fred A. Danker, Fred Henkes, Edward P. Tracey, Patrick Hyde, Edward F. Meany and William C. Kurth.

F. A. Danker, secretary, was authorized to make an announcement through the newspapers of the plan to distribute flowers at the commencement exercises of the schools this month. By a recent ruling of the board of education floral presents to graduates may not be presented on the stage, but are to be distributed to the recipients later. W. S. Boardman will have charge of this work in the case of the High School commencement in Harmanus Bleecker Hall and for the grammar schools the distribution will be in charge of one or more men sent to the schools by the florists.

Richard Griffith reported on a visit made to Commissioner Greenalch of the department of public works to lay before the commissioner a complaint about out-of town nurserymen planting trees on streets without first having obtained a permit. Commissioner Greenalch promised to have the matter investigated and the alleged abuse remedied.

A communication was read from Louis Menand, Sr., who handed in his resignation as treasurer of the Club and also of the flower show committee. Mr. Menand explained that he had not been well for some time. A letter from the Albany Mothers' Club was read by the secretary, in which the officers of the Mothers' Club thanked the florists for their donations of white Carnations for Mothers' Day, Sunday, May 8.

The Club accepted the invitation of President Frederick Goldring to hold the July meeting at his place, Font Grove Station, Slingerlands, Thursday, July 7.

GERANIUMS

500, 3-in., La Favorite; 2000, 3-in., S. A. Nutt; 1000, 5-in., S. A. Nutt; 500, 5-in., Viaud; 500, 5-in., Buchner; 300, 6-in., Perkins; 500, 3-in., Poitevine. These are nice plants in bud and bloom, reasonable prices. Rooted Chrysanthemum cuttings, many varieties.

ARTHUR COOMBS, West Hartford, Conn.

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

Florists' Club of Philadelphia

The regular monthly meeting of the Florists' Club of Philadelphia was held at Horticultural Hall on Tuesday evening, June 7. The meeting was called to order by President Joseph Heacock.

David Rust for the committee on club room suggested that the following arrangement for bowlers should be posted: "Bowlers who wish to compete for places on the convention team are notified to meet Monday and Thursday nights of each week during June and July. Thirty games must be bowled on home alleys to qualify. The convention team will be selected from six bowlers having the highest average for thirty games." It was voted that this notice be posted and a copy sent to members.

Mr. Thilow, for the committee on essays, reported that he had not yet secured an essayist for the next meeting, but that he was in communication with several and one would be announced later.

The membership committee reported Richard Hummelstoss, Rydal, Pa., nominated by Henry F. Michell, as a candidate for membership. The committee on exhibits reported as follows: "Mount Desert Nurseries, Bar Harbor, Me., A. Miller, manager, exhibits Nephrolepis Milleri, a sport from N. Scottii; Fern very feathery, similar to Amerpohli, much finer leaf. Alphonse Pericat exhibits six varieties of Orchids, including Cattleya Trianæ, C. Harrisoniæ, C. gigas, C. Gaskelliana, C. Mossiæ; C. gigas and C. Mossiæ exceptionally large flowered and well colored. Joseph Heacock exhibits a bloom of Magnolia macrophyllum."

John Westcott stated that the carfare to Rochester, one way, if the members traveled together would be $7, but separately $8.35.

On the motion of Geo. C. Watson a committee on transportation to the S. A. F. convention was appointed by the chair as follows: John Westcott, George C. Watson, Robert Kift.

Alphonse Pericat read an excellent paper on Orchids. The paper, which is printed elsewhere in this issue, was listened to very attentively, and was well received. At the conclusion of the reading a vote of thanks was tendered to Mr. Pericat.

General remarks then followed. George C. Watson, Mr. Gould, Joseph Heacock, and others spoke in praise of the recent Orchid show at Boston.

Secretary David Rust stated that the case of the Penna. Horticultural Society was set down on the court calendar for Thursday, June 9. The meeting adjourned at 10 o'clock.

New Rochelle, N. Y.

In the face of bitter opposition on the part of some taxpayers, the aldermen have voted to purchase the Stohlman tract of twenty-eight acres of Fifth ave., to be used as a public park. The cost is $45,000. The property is to be also used as a place in which Sunday schools may hold their picnics, also for a baseball field and athletic ground.

This park has been acquired by the city of New Rochelle in great part owing to the exertions of Alderman J. H. Troy, who has had his residence here for many years and is proprietor of the Rosary Flower Co., 24 East 34th st., New York City. Even before his election to the aldermanic office, Mr. Troy had strenuously urged the necessity of adding these grounds to the city ownership for the purposes for which they are now to be used. Mr. Troy has been instrumental in converting many of the opponents of the scheme, and the results of his work were seen on Tuesday last when the Board of Aldermen finally voted the purchase.

CLARKSBURG, W. VA.—The Hayman Greenhouse Co. has been incorporated to operate a greenhouse. N. J. Hayman of this town and others are incorporators.

Prices Advertised in these Columns are for THE TRADE ONLY

Herbaceous Plants

A paper read by C. S. Harrison of York, Neb., before the Am. Ass'n of Nurserymen, in convention at Denver, Colo., June 8 to 10.

I should have an hour or two for my subject, but as I am confined to a narrower space of time I must throw out my thoughts in chunks and let you masticate and digest them at your leisure.

There is a forward movement all around us; you can feel it in the air and hear its tread on the earth. Utility is giving way to refinement and beauty. Farm and home adornments are coming to the front. The whole land is in the throes of a new birth when symmetry is going to take the place of deformity. Too often the home has been an unsightly carbuncle on the face of Nature instead of a fair picture in harmonious framework matching the splendor of the sky, the freshness of the forest, field, and the lake which flashes like diamonds pinned to the bosom of Mother Earth. The whole world begins to feel like the little girl who went from the unkempt, unadorned farm home to visit some friends who lived in a fine house with a spacious lawn hemmed in with charming trees, with attractive flower beds and ivy, where there was a touch of taste and refinement. These things woke up the soul within her and, when she got home and was saying her evening prayer, she added, "Oh, Lord, can't you give us a little more style?" And that simple prayer has broadened out into a mighty importunity which is reaching to heaven and bringing answers down to earth.

It is strange, when the mission of the nurseryman is to proclaim through all the land the evangel of beauty, that you will find him lagging in the rear. He does not keep up with the procession or keep step with the age or with God. He doesn't raise choice flowers and plants and fine ornamentals. He says there is no call for them. He is mistaken. The calls last Spring took most of the stock and what is left doubled in value. If there was no call it is his business to make one. That is what he is here for.

It is a shame to let the average Tom, Dick and Harry run the nursery business and set the pace for the grandest calling on earth and raise only what they have call for. Horticulture should have a higher mission than to secure the dollar; and yet there are dollars in decency, refinement and improvement. Let your motto be, "Beauty is wealth, therefore raise a lot of it and be rich."

Don't be the tail to the kite. Be the kite itself and let others do the wagging to keep up with you.

Too often the nurseryman waits for others to write things up and create an interest. Then after awhile he follows on to reap where others have sown, often buying the cheapest and selling at prices which belong to the best.

Seedsmen and florists are often at fault. I know of one firm which buys Peonies for five to ten cents, and then pushes the price up to $1, the price of choice ones.

On the grounds of every nursery in these days of progress there should be the finest collection of ornamentals and perennials adapted to the soil and climatic conditions, which the world affords. The nurseryman should stay with them, get acquainted with them himself, have his salesmen understand them. They should be grown where the visiting neighbors can see them.

Herbaceous Perennials

Have come to stay. We, in Spring time, find the West is located at the busy end of the world. We are in the midst of a maelstrom where tremendous activities are surging around us. We cannot bother with annuals. We must have perennials, something that will stay planted.

Providence has kindly marshalled for us a procession of beauty reaching from early Spring until the hard frosts of Autumn. The tired wife can rest herself every day in companionship with the finest behaved and best dressed company the earth affords. She can take a vacation in an elysium of her own which is far better and cheaper than a vacation in an asylum or a longer one in the cemetery. The soul of a woman is starving for communion with beauty. Let her have it. Don't defraud her of her own.

I cannot go into details over propagation and cultivation as we have manuals which give needed information.

First come the Crocus, Narcissus, Tulips and Hyacinths, harbingers of coming splendor. There is the lovely family of Columbines (Aquilegias). These use all the tints of the rainbow in making their garments. A. cœrulea, State flower of Colorado, is a photograph of the fleecy clouds and the intense blue of the mountain skies. A. chrysantha is a flower of pure gold from the Yellowstone Park. There are 50 native sorts with hundreds of hybrids, many of which surpass the parents. It is hard to find a more beautiful spectacle than a great blend of color in a mass of Columbines. Why don't people plant in abundance and so match God's great out of doors? It is a shame to expect two or three little flowers to adorn a farm or home!

People spend thousands on their dwellings, but when they step out of doors they are stricken with a stinginess which fairly withers them. If they have to pay more than a quarter for anything to adorn the yard they are terribly abused. A thousand dollar picture in a ten-cent frame seems to be their ideal.

Oriental Poppies are like flames flashing in the sunlight. A bed of them is like a miniature sea of fire. They will bloom from the same plant for twenty years. Take a single flower, look within and see the delicate skill bestowed on that great seed ball and the tremulous stamens that guard it—all done up in jet.

Here are the glorious Peonies. While at their best they are peerless. There is nothing to match them. Here are 50,000 in hundreds of varieties. You go out and visit them. You are welcomed like a god. You wade in billows of fragrance that float all around them. Now they are making their toilet. Never a beautiful maiden preparing for her nuptials put on fairer garments. Tens of thousands smile upon you, vying with each other to please you. How winsome the lure of these beautiful flowers! While they last you want to be with them. And here are thousands of seedlings, some of them of superior beauty which will have a future.

Here are Pyrethrums. None but the Divine Artist could paint those delicate petals.

The Boltonias have their place in late Summer when most needed.

Polygonums and Bocconias have their place in some background, but don't give them much leeway, for they want the earth if they can get it.

Zvolanek's New Blue Winter-flowering Sweet Pea

The Platycodons, the white, blue and double, are among the hardiest of our perennials and are very satisfactory.

The Gaillardias, Stokes' Asters, Digitalis and Shasta Daisies are fine, but they need especial Winter protection. The Lupines would be superb but they will damp off badly.

The great family of Phloxes reach from early Spring until late in the Fall. The subulata, or creeping Phlox, cover the ground with bloom early in the Spring. P. suffruticosa comes next with the stately Miss Lingard in the lead but, in the main, this family is not satisfactory.

Then comes P. paniculata, often called decussata. This great family is the real thing. They are natives of America. Growing and thriving in the wild like a robust Indian maiden, they were taken to Europe and underwent such a transformation that they came back to us in garments fit for the courts of kings.

In the early stages of transformation there is a tendency to reversion. The progeny want to get back to their parents, reminding us of the song, "But she is young and can't leave her mother." But age makes a great difference. Now these flowers, like the Dahlia, have wandered so far from the originals, they break out in a riot of voluptuous beauty. And here is where you come in. We are just beginning to find the possibilities of this flower. For years we have produced new ones of great hardiness and you will find in the Phlox Manual, which has the kindliest endorsement from the highest authority, the simple process by which a child can evolve new and charming varieties.

The Iris has been rather late in coming into notice, but it has come to stay. The different varieties bloom from March until August. There are 170 native sorts and the hybrids reach probably into the thousands. I found an undescribed one in the Black Hills last August, growing on stony bluffs, exposed to 40° below zero; it belongs to the Siberian type. This family now has 30 varieties and is increasing every year.

Oh beautiful, beautiful flower!
The ward of the sunbeam and shower;
In garments of woven delight,
Of the sunset, Aurora and light.
While over thy beauty there plays
Such delicate tintings and rays,
Such blending of color and shade,
Well becoming a heavenly maid.
Ethereal, lovely and sweet,
Thy presence we joyously greet.

Thy Mother, fair Iris, in beauty supreme,
Took all her rich garments of loveliest sheen,
The robes of the rainbow, flower garden of air,
Of bewildering beauty, resplendently fair,
And made for her child such a dazzling dress,
No daughter of royalty e'er could possess.

Though her form seems so fragile, yet wondrously brave,
Away in the Northland, where fierce tempests rave,
She awakes from her sleep in her cradle of snow
And beams on the world with a radiant glow.
Away on the plains, in the drought and the heat,
She is cheerfully waiting, admirers to greet;
To her fairy presence must ever belong
The tribute of praise and the rapture of song.

We are not to forget the stately and imposing Delphiniums. These give us all the shadings of the blue. We see some of immense size. The Boston shows often exhibit those of rare merit. It would take a strong imagination to suggest an improvement—the main stems straight and tall and the branches packed with blooms, some single and some double. In the West, if planted in exposed places in the full sweep of the wind, they will need staking.

All perennials need shelter from the cruel blasts which often sweep at the rate of forty miles an hour. You can produce a calm by planting a hedge around your flower garden. If you want something tall, the flowers of which will add to the attractiveness of the display take the grandiflora, tatarica, or Manchurian Honeysuckle. The silver Tamarisk, charming both in bloom and foliage, makes an excellent hedge. This is the best of ten sorts which we have tested at York.

Brothers, do you know your own power. You can take a dull and sombre piece of earth and make an elysium of it. You can take the mantles of the stars, the splendor of the sunsets, and the coloring of the rainbow, and weave them all into a jeweled carpet fit for the touch of angels' feet.

Beauty has a mission. God might have made Apples of the color of cobblestones and given the Strawberry and Cherry the drab of gravel instead of the appetizing tints which are the despair of the artist.

On earth there is beauty everywhere, from the prodigal blooms of the tropics to the vast profusion of flowers in the frozen tundras of the North.

This world is only the porch of another. Flowers and gems are the prophecy of the glory to be revealed. How superbly the great Landscape Artist laid out this world of ours! What a land he gave us before it was marred by the greed of men! Did you ever think that this same Artist, who laid out this earth along the lines of harmony and beauty, also has landscaped the universe. When you get through your schooling down here, and have faithfully proclaimed the great evangel of beauty, when you have passed away, you will leave a path lined with radiant forms of loveliness. It will be said of you "He passed this way and these are his footprints."

When you stand as victor under that arch on which is written "All things are yours," you will receive the salutations of the universe, and the eternal beauty is yours. As the land of promise rose in wondrous mirage to the vision of Moses on Tabor, so will the broad fields of light rise to your gaze, and behold the universe itself is one great flower garden. Who can describe the clustered glories, the harmonious mingling of colors of the Milky Way, so thick with Immortelles. How amazing the vastness!—tremendous abysses of distance illumed by the smile of Jehovah. He drove his plowshare through the fields of azure, and all the furrows were flowered with stars, Orion and the Pleiades—great bouquets held in the hand of the Creator; the constellations, gardens of surpassing splendor.

So remember that the beauty of earth is a prophecy of that opal sea, jeweled walls and the great gardens of God. Let the hither shore give some promise of the future shore. We spent a few moments down here; most of our life is over there. So draw down a section of Paradise and live in it, and thus have an introduction to the Paradise beyond.

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The Pine Tree Silk Mills Company
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CUT FLOWERS OF ALL KINDS
HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES
Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.
New Crop Dagger and Fancy Ferns, $2.00 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.
A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.
Telephone: 2617--2618 Main, Fort Hill 25290.
15 PROVINCE STREET & 9 CHAPMAN PLACE, BOSTON, MASS.

Please mention the Exchange when writing.

New Crop Ferns Now Ready Only $1.00 per 1000

Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. GREEN MOSS, $1.25 per barrel. Use our LAUREL FESTOONING, for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. SMILAX, 50 lb. cases, $6.00. PINE, 7c. per lb.

Telegraph office; New Salem, Mass.
L. D. Phone Connection

Nice, large bunch of Laurel Branches, 35c. Laurel and Pine wreaths, $2.00 to $3.00 per doz. Boxwood, $15.00 per 100 lbs.

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WHOLESALE

ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.

Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.
Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.
All Decorating Material in Season.

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REED & KELLER 122 W. 25th Street NEW YORK
We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work

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Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCRAY REFRIGERATOR COMPANY
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ICE BOXES The Latest Improved

Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.

Forster Mansfield Mfg. Co. 145 West 28th St. NEW YORK
'Phone 4254 Madison Square

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KRICK'S Florist Novelties
Manufacturer and Patentee of
The only genuine IMMORTELLE LETTER on the market
For sale by all Supply Houses.
CHAS. AUG. KRICK
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New Crop Ferns
FANCY and DAGGER
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Price, $1.25 per 1000
CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA

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SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED
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LOUISVILLE, ALA.

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Retail Notes

LONDON, O.—E. J. Gould & Sons, florists, have opened a retail store on Main st., opposite the postoffice.

HOUSTON, TEX.—Henry H. Kuhlman has purchased the florist business of Wm. Kutschbach. The purchase includes the downtown store at 913 Main st. together with two blocks devoted to culture at 2526 Washington st. and twenty acres of land at Houston Heights. The business will be continued temporarily under the name of the Kutschbach Floral Company. It is, however, Mr. Kuhlman's plan to organize a company and combine under one management his business at 1703 McGowen ave. and the properties purchased from Mr. Kutschbach. Mr. Kutschbach is a pioneer florist of the city and has conducted a successful business for many years here.

Philadelphia Retail Notes

Edward Reiger, 267 So. 20th, is making preparations to close his store about June 20 and expects to reopen about Sept. 15. This has been his custom for several years.

Martin & Co., 2612 Columbia ave., report trade for past two months as being far ahead of same period last year, and believes his design work is also far ahead in originality and value.

W. L. Grover of the "Diamond Flower Shop," is now located at 2926 Ridge ave., having removed from 30th and Diamond sts. to Ridge ave. about Feb. 1. The new location is conducive to more trade, being in a much busier neighborhood.

Rudolph Barth, of 11th and Master sts., has devised a frame for spray work which saves considerable time and material. The frame, when filled, has the appearance of a short baseball bat, and has the advantages of being cheap and easily made. Mr. Barth has filled a quantity of all style frames and these are ready for making-up when placed in water for the purpose of wetting the moss. Mr. Barth, has enjoyed a nice lot of funeral work. It seems as though this kind of work always comes at a time when other branches of trade are also very good.

P. Joseph Schembs, 629 No. 17th st., has a wooden sign board on which is lettered "Rose Specials" as a headline, space being left below for chalk figures, which, of course, vary. Mr. Schembs does considerable business in special sales on Roses and Sweet Peas, also in window box work.

Miss Nora Ohl, 828 No. Broad st., reports some good trade, especially in funeral work, window boxes and hanging baskets.

Victor Ridenour, Ridge ave. and Dauphin st. is busy preparing for considerable alterations at his store. One house has been removed and a larger building is to be erected. A very busy Winter's trade is reported, and at present funeral and landscape work demand is exceedingly brisk.

Carl Keinath, 1542 No. 27th, reports present season the "very best ever," and that the new Geranium "American Beauty," was by far his best seller. He has 3000 sq. ft. of glass devoted to Ferns, and is working overtime to keep down the orders for funeral work.

We Issue to Members a Credit List With Quarterly Supplements

The list now contains between 7000 and 8000 names. Membership fee $10.00, including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.

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56 Pine Street, NEW YORK

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E. A. BEAVEN
EVERGREEN, ALA.
LOG MOSSES
Natural and perpetuated. Orders booked now for future delivery.

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"FLORISTS' FAVORITE" CUT FLOWER BOXES
Very Neat Manilla Boxes—White Inside
All Boxes Full Telescope

The following sizes are carried in stock and immediate shipment will be made.

	Per 100		Per 100
20x4x2	$2.26	28x8x4	$4.60
18x6x3	2.26	30x5x3½	3.76
24x5x3½	2.00	36x6x5	6.60
21x7x3½	3.26		

Printed free in lots of 300 or more; 60c. per 100 additional in less quantity.

DESIGN BOXES: Heavy Manilla; white inside; made up full telescope—therefore strong and serviceable. A good shipping box.

	Per 100		Per 100
16x16x8	$8.00	36x14x10	$16.60
18x18x8	9.00	36x10x6	10.00
20x20x8	10.00	30x12x7	8.50
24x24x8	12.00	28x12x4	6.50
24x18x8, Pillow Box			12.00
20x16x8, Pillow Box			10.00

10 per cent. discount will be made in lots of 1000 or more assorted sizes. Other sizes can be furnished on special order if the quantity will warrant it.

Samples of stock on request. Terms cash with order. Prompt shipment our hobby.

Freight prepaid to any station east of the Mississippi River on all orders amounting to $15.00 or more.

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WIRED TOOTHPICKS
10,000, $1.75; 50,000, $7.50
Manufactured by
W. J. COWEE, Berlin, N. Y.
Samples free. For sale by dealers

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Design Book
It is handsomely printed on enameled stock, and contains 80 pages, size 9x12 inches, with strong paper cover

Every florist who has to "make up" Designs will receive valuable ideas from its contents, which include over Two Hundred Illustrations, embracing nearly every variety of order that will come to you.

This Design Book can be obtained only through a subscription for this paper, the leading florists' trade organ of America, issued every Saturday, at $1.00 per annum. The Florists' Exchange two years, and one copy of the Design Book, $2.50. Paid up subscribers will be mailed one copy for 75 cents. Positively this Design Book can be obtained only through becoming a subscriber.

Lady Hillingdon Rose

The New Rose Lady Hillingdon

Respecting the new Rose, Lady Hillingdon, I am, through the kindness of Messrs. Mount, and Lowe & Shawyer, enabled to send a photo of this beautiful variety. The flowers are scarcely as large as some I have seen, but the photo shows the form and the beautiful foliage. T. A. W., Eng.

The Waning of Interest in Orchids

The Orchid, about which so much has been written, both by the traveler and imaginative author, seems to be having a rather bad time. In days past, the Orchid family loomed largely, and all wealthy people considered it "the thing" to possess themselves of a collection, some indeed bringing themselves into financial difficulty through the craze for Orchid growing.

This kind of thing, like the Tulip craze, appears to be over, and no Orchid hunter or breeder is likely to win fame and fortune in the future, for there are signs that Orchids are failing to hold. Quite recently, Heath & Son cleared out their stock, the whole collection being offered at a low rate to all and sundry. Now the famous house of Rochford has issued the fiat that Orchids with them are to be "no more," and their whole stock, of some 50,000, is to be sold by auction during the Temple Show period. So far as the press is concerned, it must be admitted that Orchids do not receive anything like the attention formerly paid them and, therefore, it is not going too far to state that Orchids over here are done.

T. A. W., Eng.

Sixty Years of Retrospect
With Notes by the Way

By Stephen Taplin, Nurseryman and Florist

(*Continued from Page 785*)

I remained at the Albrighton place nearly two years. Although there was much new work going on all that time I found it a very quiet, easy going place and I wanted a change.

I then, a second time, made arrangements to go into Veitch's nursery, in Chelsea, London, and was fortunate enough to be placed with the foreman of the small specimen grounds. Choice specimens of both coniferous, evergreen and deciduous trees and shrubs were brought from the other nurseries to the specimen grounds, where they were put in crates or boxes and sunk into the ground in rows or beds. Some of them would be sold at once, others would be ready to ship when wanted. The crate treatment would include all the choice conifer family, also specimens of both evergreen and deciduous trees and shrubs, including in evergreens Holly, Box, Yew, Laurels, Bays, etc., and in deciduous Magnolias and many others, most of which would be selected by the purchaser on the grounds. When prices were named there would be no dickering about the price of a certain piece. Everything in these grounds was ready to ship at once, to take a place for immediate effect, and the arrangement would give purchasers of a cheaper grade of some varieties a good idea of what they were buying.

I was much disappointed at not being able to put in a year, at least, in the ornamental nursery outside of London, but about December, on a Friday, I was ordered to report at a place in Glamorganshire, South Wales, about ten miles from Swansea, either Saturday or not later than the following Monday, as foreman at a private place. Under such circumstances anyone could draw at the office to pay traveling expenses, but this I did not care to do, as a particular friend (as I supposed) was in my debt to the amount I was short of, and I stopped in London over Sunday to look him up, with the usual result in such cases—he was sorry, etc.; so I looked up someone else and made up the amount necessary to enable me to leave London on the 6 a.m. train on Monday, with two shillings in my pocket. A London nursery at twelve shillings per week is not quite the place for anyone to get much ahead financially.

I reached my destination about 6 p.m. and took supper with the gardener, and his sister who kept house for him. My appetite was at its best, as I had not broken my fast since 11 p.m. Sunday. I found the gardener to be a good gardener, a first-class man in every way, except in health—he was a consumptive of long standing; I did not expect him to live three months.

The place was the most old-fashioned I ever saw. Pines, Grapes, Peaches, etc., were grown on a limited scale. Among the plants there was a lot of old-fashioned stock, many plants I could not even name. The principal feature of the place was an Orange house, 140 ft. long, which would look like a large house even at the present time. It had a dead roof and back wall, with some sky lights in the roof; the front was arched and filled in with glass, which gave it a fine effect at a distance. It was entirely filled with Orange trees, in large square boxes, some of them with stems 10 in. through. They looked as if they had not been overhauled in twenty-five years, although they had been taken out of the house each Spring and set along the carriage drives in the pleasure grounds. There was a system of underground flues in the house, but no one could tell whether they had ever been used. The Winter I was there the thermometer did not go below 30°, as the place is close to salt water and is backed by mountains. Camellias would make large clumps outside. There were clumps of Hydrangeas, greenhouse varieties, 8 ft. high and 10 ft. through, one mass of bloom, and the most of them the finest blue I have ever seen.

The Arbutus, or Strawberry Tree, could be found among shrubbery in many parts of England, but suffered more or less from frost and was very seldom found in fruit. There could be seen large shrubs of it 10 and 12 ft. high, and, at Christmas, completely covered with fruit the shape, size and color of the hardy wild Strawberry; the birds went for the fruit in Winter the same as they would to a bed of Strawberries in Summer.

There was another house which, I should think, might have been a hundred years old. It was built something like one of the very old-fashioned Peach houses that I saw when I was a boy, with a dead back wall, the roof part hip and part lean-to, about 100 ft. long, with a trellis standing out from the back wall, on which was trained a collection of Lemons, Citrons, Shaddocks and all that class of fruit, many of which I had never seen before or since. I do not know if these fruits were ever made use of, or what use they could be put to, but it certainly was an interesting sight, fruit of all sizes, shapes and stages of growth.

The gardener had only been there about two years. He had been trying to modernize some things, but in his state of health he could not do much in that line. His predecessor had been there as boy and man for over fifty years and was retired with a pension for life.

The scenery was very fine from the mountains; and across the bay, Port Talbot, about two miles distant, was a great shipping port, copper ore coming in from all parts to the extensive smelting works, from which works the smoke was carried away up the mountains through a funnel-like flue, as it was fond so destructive to vegetation. The copper slag was broken up and used in road making; it was also run out into molds like large bricks, and used to build walls; there were many miles of such walls each side of the main roads, and they were about the only thing that could stand the wind at times.

The gardener had been foreman under John Spencer at Bowood, the seat of the Marquis of Lansdowne. He often talked to me about Bowood and the extent and quality of the fruit grown there. He was corresponding with John Spencer, and often told me about the trouble Spencer had with his foreman, the second one in two years. One day he told me he had just received a letter from Spencer saying he must make a change as soon as he could hear of a likely man, and he asked me if I would take the place, saying he would recommend me, as he thought I was losing time where I was, and he was sure from all my former experience I would be just the man for the place. As it was, from his description, just the chance I wanted, a week later I received a letter from Spencer saying the place would be open for me in two weeks.

(*To be Continued*)

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Rochester, N. Y.

May business, taken on the average, was all that could be desired, a brisk demand for stock being the rule, with the possible exception of a week or so of dull business. Roses, especially white sorts, were a little too plentiful. Carnations, too, accumulated at times, but the monthly average will undoubtedly be a good one.

The demand for Carnations for Memorial Day was a surprise to everybody, and far in advance of that of any previous year, the supply falling short by many thousands, the shortage brought about, no doubt, by the continued dark, cold weather that we experienced and which we regret to say is still with us. Outdoor flowers were also out of the question, which made matters still harder and difficult for the wholesaler, who has to bear the brunt of all these happenings.

The trade in bedding plants was extremely heavy, and the amount handled far in excess of any season heretofore; and at the time of writing stock is very hard to get hold of and there will, no doubt, still be demands for stock, as the weather is yet cold and wet, and it is the opinion of many that much bedding out has not been touched yet owing to the unseasonable weather conditions. June trade looks promising, and a busy month will, no doubt, be experienced, the many weddings and commencements creating a large demand for cut flowers. Sweet Peas seem to be most popular, together with pink Killarney Roses, and owing to dull weather both these flowers are scarce and the supply unequal to the demand. Prices current for the week are as follows: Roses, 3c. to 8c.; Carnations 2c. to 3c.; Sweet Peas 50c. to $1; Valley $3 to $4; Am. Beauty Roses $5 to $25.

A meeting of the chairmen of the committees in connection with the S. A. F. convention was held on Monday evening, June 6, to formulate plans and express opinions, so as to be in readiness for the regular monthly meeting, June 13. Immediate action will be taken and no time or pains spared to make the visit of our brother florists a pleasant and memorable one. C. H. Vick's report of the work accomplished was very encouraging to all. Mr. Vick has worked exceptionally hard to make the convention a success, and we all trust that success written in big letters will crown his earnest efforts. H. B. STRINGER.

Notes

DORCHESTER, MASS.—The Rosemere Conservatories, 38 King st., are now under the management of W. L. Tomlinson.

HAMILTON, O.—The condition of John Lodder, florist, who has been ill during Winter and Spring, is said to be improved.

TAUNTON, MASS.—C. D. Babbitt, the florist of Berkley, was kicked by a horse recently and will probably be lame for some time to come.

WHEELING, W. VA.—John Hellstern, the Pleasant Valley florist, who was injured a few weeks ago when struck by an automobile, is now able to leave his home.

MONTGOMERY, ALA.—The florist store of W. B. Paterson was visited by thieves during the night of May 25, but beyond a few postage stamps nothing of value was secured. Several locks on cabinets and drawers were damaged.

LARNED, KAS.—Joel Smith has purchased the Tyra Montgomery place in the southwest part of the town, and has erected a fine greenhouse. The foundation is of cement and the building is 20x110 ft.

SALEM, MASS.—The Ward estate 90 and 92 North st., has been sold at auction for $6700. The property comprises about 28,000 sq. ft. of land, on which is a two-family dwelling house and several greenhouses, recently occupied by Harvey E. Ward.

SPECIAL NOTICE

To the Growers and Retailers of Flowers

HAVING succeeded John I. Raynor in his very large and old-established Wholesale Florists' Business, at 49 West 28th Street, New York City; and having been his general manager for the past seventeen years, I wish to assure all the old patrons of the past of this reliable house, that a continuation of their patronage is respectfully solicited. I am prepared to take care of all new patrons, who will find, on first trial, that I have only their best interests in view, and

I Can Furnish the Finest Quality of Flowers of Every Variety Obtainable in this Market

An early call will be appreciated. **Mail, Telephone or Telegraph Orders will receive prompt and personal attention.** Consignors solicited. Prompt returns and best market prices.

TELEPHONE 1998 Madison Square **P. J. SMITH** **49 West 28th Street NEW YORK CITY**

No Change in the Business Except in the Name

Please mention the Exchange when writing.

San Francisco

The Market

Memorial Day has come and gone for another year, and trade in general is back to its normal state. Taken, all in all, we had every reason to be satisfied with the business done in the cut flower line during the past week, and the reports which I have received from the various growers since last I wrote fully justify my saying that Memorial Day was one of the best on record, from a florist's point of view. We had lots of flowers of all descriptions and they invariably brought good prices; and telephones were kept busy all day calling for extra stock.

San Francisco differs from many of the large Eastern cities in this respect, that most of the retail stores do not handle pot plants in any quantity. This is not as it should be, and I am convinced that some effort should be made to interest the retail stores in this class of stock, as there is a painful scarcity of pot plants of any description in the stores at present. In the cut flower line Carnations are now beginning to slacken up a bit and prices show a steady improvement. Indoor Roses are beginning to suffer from the prolonged hot spell we have been having of late, and the quality of the stock brought into the market is very poor indeed. Outdoor Roses are still plentiful and meet with a good demand. Lilies have been very popular of late and good blooms have sold rapidly, at good prices. Sweet Peas are plentiful as also are Gladioli. There was quite a demand for choice flowers of all descriptions in the last few days and Orchids of all sorts sold well. Valley was somewhat scarce; what there was of it sold well, and at good prices.

Various Notes

San Francisco experienced the hottest day of the year on Memorial Day, when the thermometer registered 92° in the shade. In many parts of the State the glass registered over 100° in the shade.

The Sievers' Floral Co., for many years doing business on Geary st., and which recently failed, have no connection whatever with the J. H. Sievers Co. on Powell st., or J. H. Sievers of Polk st.

A. Plath of Ocean View is shipping some fine Adiantum to town at present. The finest collection of Ferns in the State of California is to be seen at his place on Wyoming ave.

A large shipment of Cattleya labiata was received in fine shape at the Coryell Estate at Fair Oaks this week.

F. Ludemann, whose nurseries are situated on Baker st., is handling a fine lot of Araucarias at present. A large lot of Asparagus plumosus in 2-in. pots also looks fine.

Some fine stems of Cycas circinalis is being handled at present by the MacRorie-McLaren Co.

Fred Grohe of Santa Rosa has had an enormous demand this year for bedding stock of all descriptions.

F. Ludwig of Portland was a recent visitor in town.

H. Hill of Oakland is sending some fine Cattleyas into town at present. Mr. Hill reports having had a most successful season with his Orchids.

Frank Roach of Menlo, who recently bought the old Lynch nursery, will devote most of his houses to the growing of Roses and Carnations for the San Francisco market.

Flower stores in the Mission district did a splendid business on Memorial Day, owing to their being right in the center of the cemetery district.

A visit was recently made to the Crocker Estate at Uplands, San Mateo County. The glass department was first inspected and Mr. Munro, the head gardener, is to be congratulated upon the fine class of stock he has in the houses. The Carnations and Roses looked particularly fine, while a large lot of Cattleyas showed the effects of good culture.

WM. MCM. BROWN.

Washington, D.C.

The weather during the past week has been a record breaker for June in Washington, the mercury falling to 46° with cold rains. Grass is about the only thing making any growth. Considerable anxiety was felt for the many tropical plants which adorn the various city parks.

WE beg to announce that on and after July 1st, 1910, the premises on the first floor of the Coogan Building will be under the management of A. Moltz & Company, who will sell, at wholesale only, all Flowers in Season in addition to Roses.

A. MOLTZ & COMPANY,

Wholesale Florists

A. MOLTZ — MAURICE L. GLASS

Telephone 2921 Madison Square

Open from 5 a. m. to 6 p. m.

Coogan Building
55-57 West 26th Street
NEW YORK CITY

Please mention the Exchange when writing.

The stores are showing a larger number of pot-grown Hydrangeas this season than usual, and Gladioli are on the increase each week.

Owing to the unfavorable season, greenhouses are still being relied upon to furnish most of the cut flowers, with supply and demand about equal. The commencement season is on and there is a rather good demand for floral baskets, artistically arranged, in which the Rose, Carnation and Orchid form conspicuous features.

Sunday was Memorial Day for the 265 Confederate dead who rest in Arlington National Cemetery, an occasion which each year meets with growing enthusiasm from the various relief organizations here, and there is likewise an increased demand for blossoms of white and red, which represent the colors.

It is an annual custom, on the Sunday after the 30th of May, for these forces to unite at Arlington and offer a most impressive and interesting program. One of the special features is the unveiling of a very large floral cross by young ladies composing the Confederate choir, dressed in white with red sash and red Peony. These same ladies then form into a living cross and render sacred music, after which the flower committees take up their work of placing upon each grave its allotment of loose cut flowers, while set pieces adorn the tombs of those who won most distinction. Crimson Rambler Roses, Daisies and Carnations constituted the bulk of flowers used this season but, owing to the very inclement weather, the full program could not be carried out.

JAS. L. CARBERY.

F. H. Kramer of 916 F. st. still continues his effective campaign of newspaper advertising, occupying space freely in the columns of the Washington Sunday papers. The keynote of his claim for patronage is based on the fact that he is "the florist who grows his own flowers."

A. L. YOUNG & CO., 54 West 28th St., NEW YORK
Telephone, 3559 Madison Square
WHOLESALE FLORISTS Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial
Please mention the Exchange when writing.

NEW YORK, June 8.—Monday and Tuesday stock moved somewhat better and prices were a trifle firmer, but today fails to keep up the pace and the market is painfully quiet; everything now suggests that Summer conditions are close at hand, and that shorter days and vacations will soon be in order.

The cut of American Beauty Roses is fully equal to the demand. A few choice specials bring 25c. each, but $2 per doz. and under is the ruling price for specials. No. 2 and 3 grades move very slowly indeed. There are abundant arrivals of Killarney and My Maryland; and the latter and pink Killarney are rivals for public favor, while White Killarney seems able to "take the bone out of Kaiserin's mouth" as a white Summer Rose, and to surpass the Bride. A few very choice blooms of Killarney and My Maryland are selling for 8c. each, but most sales for top grades are around the 5c. mark and moving slowly. Richmond is coming in cut tight, and moving off very slowly, probably on account of the present supply of outdoor Jacqueminot. For top grade the best price is the same as Killarney, but with fewer buyers. Bride and Bridesmaid are suffering from the usual Summer mildew, and also from comparison with the two Killarneys. The demand is light, and the best grade arriving hardly reaches the 5c. mark, and from that way down.

Carnations are fairly plentiful, and the quality mostly medium to poor, and selling slowly at 2c. each for top grade, with a few sales of the choicest blooms at the 3c. mark.

There is only a moderate supply of Gardenias, but more than enough to satisfy the present demand, and the choicest blooms are selling at $1.50 per dozen and down; and Southern Gardenia florida finds no buyers. There is an abundant supply of Orchids, and a very limited demand; the choicest Cattleyas are selling for 50c. each and from that down to unquotable prices.

Lily of the Valley is coming in more abundantly and is not selling as well as it has been for several months. $3 per 100 is the highest figure for top grade. Lilies are coming in more slowly, but there are enough, and the best grade is selling for 75c. per dozen, while most sales are around the 5c. mark. There is about the normal Summer supply of Callas, but the demand is small, and $1 per doz. is the top notch price for the best grade.

Cold frame Sweet Peas of excellent quality are arriving and a few from open ground also. The demand is not over brisk, and the best grades sell for $1 per doz. bunches, while a few extra choice flowers reach the $1.50 per doz. mark.

There is in the market a large supply of Peonies, good blooms, but they are not selling briskly and the best grade is changing hands around the 4c. figure, with a few sales of choice blooms at 6c. each. The large supply of outdoor greens is probably answerable for the present slow movement of all indoor, greens and the drop in price of Smilax to $1.50 and less per doz. strings.

PHILADELPHIA, June 6.— The local Peony crop is about over, though a few late pinks are still coming into the market. Boughs of Kalmia are appearing, also an early white variety of hardy Phlox, Corcopsis, and Gaillardia, of good quality.

The supply of American Beauty Roses is no more than equal to the demand, and though the quality is not all that might be wished, there are some heavy shipments, and they are moving well, specials selling for 25c. each, and in small quantities choice blooms, especially of Eastern stock, realize a somewhat better figure. Killarney and My Maryland are neck and neck in popularity, with the quality still very good, and top grade flowers bringing 8c. each, and moving fairly well, Richmond has to be cut very tight in order to arrive in fair condition, and is inclined now to be weak necked. The very choicest blooms in small sales bring 10c. each, but otherwise 8c. and downward is the prevailing price. Bride and Bridesmaid are of indifferent quality on account of mildew, and no real specials are arriving; the best obtainable is bringing 8c. and under. Mrs. Jardine is deteriorating in quality and the best grade obtainable is selling for 10c., the supply, as usual, being limited. Kaiserin is in better condition and is moving well at 10c. each for the best grade and from that down to 2c. each.

The supply of Carnations is fully equal to the demand and the blooms are from medium to poor quality. Still they are moving off at 3c. each for the very best obtainable and from that down, very few reaching above the 2c. mark.

Gardenias are moving rather slowly, and with the continuous abundant supply hardly get up to the $2 per doz. mark, with many sales at one-half that figure.

Orchids are coming in freely enough to satisfy all demands, and top grade blooms bring 50c. each. They seem to be moving somewhat better.

Callas are not abundant, nor are Lilies coming in so freely, and with a somewhat better demand the top grades of each are selling for $1.50 per doz., but in large sales Lilies hardly realize more than 8c. each. Outdoor Sweet Peas are now coming into the market in good supply and of very nice quality. They are moving freely at $1 per 100 for the best.

CHICAGO, June 7.—The weather conditions still control the market, and while more business would result with warm, sunny weather, the crops would also increase and flowers become soft, so that the profits would not be as great as they are under the prevailing conditions.

There is a shortage of American Beauty Roses, both in long and medium lengths. All other Roses are plentiful, solid and of good color. The Sunrise Rose is being used extensively for corsage bouquets for commencement exercises and is in fine shape. This small Rose is commanding the same price as its larger brothers, Killarney, Richmond and My Maryland, $5 to $8 per 100.

Carnations have fallen off somewhat in price, although the stock in nearly all instances is in excellent condition. White varieties are the hardest to move, except in the fancy stock. Extra fine flowers are selling for 2½c. each, although good quality is obtainable at 1½c.

Callas are in greater demand than Lilies; the stock is decreasing daily, and the demand varies. Lily of the Valley finds its usual June demand, for bridal work.

Sweet Peas, generally speaking, are plentiful, although at times there is a scarcity. The Spencer type is holding at $1.50 per 100 for the best. White Peas of this type have become very prominent at weddings, and bridal bouquets. The shorter stock is to be had for 40c. or 50c.

Peonies are the one scarce thing, and are greatly missed. The call for them makes one realize how the public depends on a certain flower at certain seasons. Ordinary flowers are bringing 60c. and 75c. per doz., while such fancy stock as is available brings $1 per doz. Gladioli continue in fine form and bring $1 per dozen. America and Frances King bring $1.50 and $2 per doz. Orchids are in good demand, as they have also become popular for weddings. The quantitiy is increasing considerably. Cape Jasmine is in greater profusion than last week. Gardenias are getting very scarce. There is very little showing of miscellaneous stock.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager Consignments Solicited
41 West 28th Street, Telephone 6237 Madison Square NEW YORK
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For JUNE WEDDINGS
Valley, Sweet Peas, Beauties, Richmonds, Brides, Maids, etc.
Fine Peonies and all outdoor stock.
There is no DULL SEASON with us; we want Summer stock of all kinds.
Henshaw & Fenrich
WHOLESALE FLORISTS
51 WEST 28th STREET
Phones 325-5582-5583 Madison Square NEW YORK
Please mention the Exchange when writing.

BOSTON, June 7.—Business during the early part of this week was very good and large quantities of flowers were disposed of at very good prices. Friday and Saturday were quiet days. There were never better flowers for this time of year than now. The cool, moist weather keeps them in fine condition.

Roses are of very fine quality and there is a good supply of them, the prices running from 3 to 6c., and on fancy grades higher.

Carnations are of very fine quality and often, earlier in the season, poorer material was seen. There is quite a good demand for them and the color is very good. The prices run from 1 1-2 to 3c.

Easter Lilies are in good demand and there is quite a lot of them in the market. Stocks are not as plentiful now, many of the houses being cleaned up of them. Candytuft is also scarcer now. Sweet Peas are in very good demand and some fine flowers are seen in the market, with extra long stems. Lily of the Valley is in excellent demand now, large quantities being used for weddings. Peonies are just beginning to come in. Iris of the German type are also for sale now, as are Oriental Poppies. Asparagus is more plentiful but cleans up well.

R. C.

INDIANAPOLIS, June 5.—A perusal of the general trade conditions in any newspapers would, at this time, give the reader an insight into the conditions prevailing in the flower market. The weather dominates the sale of flowers and, as it has been invariably rainy and cold, there is little to be expected from the flower loving public. The necessities in the flower line, as they might be termed, such as those for funerals or weddings, keep steadily in sale, but counter trade suffers keenly.

The market is well filled with all grades of stock and quotations are many times reduced to effect a clearance. Carnations continue fine in quality but have dropped to $2 per 100 for medium grades. A few fancies bring $2.50 to $3 per 100. At retail the prices range from 35c. to 75c. per doz.

But few Roses are being shipped in right now and many hundreds of the local cut are sent to surrounding cities. Bride and Bridesmaid are a principal factor at $2 to $6 per 100. A few special Killarney bring $7 to $8 per 100. The retail figure for Am. Beauty is $1 to $6 per doz; wholesale prices are mostly $5 to $25 per 100.

Peonies are certainly beautiful; many of the best varieties are grown in this section, but the bottom seemingly has dropped out of the market and the grower generally takes what he can get without any reference to price lists. From $1 to $3 per 100 is asked for them. The shopmen are asking 40c. to 75c. per doz. for choice ones.

Harrisii and auratum and Callas are seen in large numbers at $10 to $12.50 per 100.

The bedding season is drawing to a close. General reports are indicative of a good trade in this line. Several of the growers this season have refused to sell direct to the public as they do their other flowers, but have relied wholly on the street venders and peddlers who are satisfied with all the troubles of planting them at a small profit.

Candytuft, Feverfew, Sweet Alyssum, Spanish Iris, Daisies, Mignonette, Pansies, Poppies and Coreopsis are part of the show now seen in the flower quarters.

I. B.

ST. LOUIS, June 5.—Business for the last week was reported very good in all lines. There have been a great many weddings, school graduations and several large funerals at which a considerable lot of work was done by all the retailers in all parts of the city. Judging from the reports of the leading retailers, business for Decoration Day was as good as any they have had, with more shipping orders than any previous year. The greenhouse men say they had a big call for plants, more than ever before, and they say they gained by the high prices on cut flowers.

Our commission men say they did well, both in local and shipping orders and that the high prices prevailing were caused by the scarcity of outdoor flowers and the big demand, and they say they pleased their consignors.

This, Monday morning, June 5, we find the commission houses well supplied with extra good Roses which bring from $4 to $6 per 100, American Beauty Roses, long fancy, at $3 per doz. and shorts at from $3 to $10 per 100. Carnations also of good quality, ranging from $1.50 to $3 per 100 are cleaning up fairly well. Gladioli spikes are coming in fine at from $6 to $8 per 100. Harrisii Lilies sell well at $10 per 100. Sweet Peas have been quite plentiful, but the recent rains caused a scarcity; they bring from 35c. to 50c. per 100. Extra fine Lily of the Valley sells from $3 to $4 per 100.

Fancy Ferns are up to $2.50 per 1000, and scarce at that, and daggers bring $2. Galax, Adiantum, Smilax and Asparagus sold well all last week.

ST. PATRICK.

J. K. ALLEN
COMMISSION DEALER IN CUT FLOWERS
Established 1887 106 West 28th Street, New York (NEAR 6th AVENUE ELEVATED R. R.)
Consignments of all varieties of Cut Flowers solicited.
Returns made daily where requested.
Best prices. Prompt payments.
Telephones 167 and 4468 Madison Square
Open 6 o'clock every morning
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We solicit consignments of cut flowers, especially of good ordinary carnations; prompt returns and payments. Out-of-town orders carefully attended to. Give us a trial.

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Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent.
V. S. DOEVAL, Jr., Secretary

M. C. FORD
Successor to Ford Bros.
Wholesale Florist
121 West 28th Street,
NEW YORK
Telephones, 3870—3871 Madison Square

GREATER NEW YORK FLORIST ASSOCIATION, Inc.
Wholesale Commission Dealers in Cut Flowers and Supplies
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GEORGE W. CRAWBUCK, Manager

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
110 West 28th Street
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Violets, Roses, Carnations, Orchids
Established 1888

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Greenhouses: FOREST HILL, N. J.
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PLANTSMEN & FLORISTS
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Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
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Telephones 4626, 4627 Mad. Sq. Established 1891.

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Wholesale Florist
CONSIGNMENTS SOLICITED
13 West 28th Street, New York
Telephone: 3393 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York.

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WHOLESALE FLORIST
55 & 57 West 26th St., New York
VIOLETS CARNATIONS AND ROSES
Shipping orders receive prompt attention.
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Frank H. Traendly Charles Schenck
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Wholesale Florists
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Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664--1665 MADISON SQUARE
ENOUGH SAID

PHILIP F. KESSLER Commission Dealer in Cut Flowers
Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
55 & 57 West 26th Street, New York City
FINEST CALLAS AND LILIES EVERY DAY IN THE YEAR
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WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, June 8th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	12.00 to 25.00
" extra	8.00 to 10.00
" No. 1	6.00 to 8.00
" No. 2	3.00 to 5.00
" No. 3	1.00 to 3.00
Killarney	.50 to 5.00
White Killarney	.50 to 5.00
My Maryland	.50 to 5.00
Richmond	.... to ....
Mme. Abel Chatenay	1.00 to 6.00
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	3.00 to 5.00
" extra	2.00 to 3.00
" No. 1	1.00 to 2.00
" No. 2	.50 to 1.00
Adiantum	.... to 1.00
Crowenum	.... to 1.00
Antirrhinum (per bunch)	.50 to 1.00
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.15 to .25
Sprengeri, bunches	.15 to .25
Bouvardia	.... to ....
Callas	4.00 to 8.00
Daffodils	.... to ....
Daisies	.50 to 1.50
Ferns, per 1000	1.50 to 2.00
	.... to ....
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.75 to 1.00
Standard Varieties White	1.00 to 1.50
Standard Varieties Pinks	1.00 to 1.50
Standard Varieties Red	1.00 to 1.50
Standard Varieties Yel. & Var.	1.00 to 1.50
Fancy (The highest grades of Sta'd varieties) White	2.00 to 3.00
*Fancy Pinks	2.00 to 3.00
*Fancy Red	2.00 to 3.00
*Fancy Yel. & Var.	2.00 to 3.00
Novelties	.... to ....
Gardenias, per doz.	.50 to 1.50
Lilacs, per bunch	.... to ....
Lilies, Harrisii and Longi.	4.00 to 6.00
Lily of the Valley	2.00 to 3.00
Mignonette, per doz.	.10 to .25
Narcissus	.... to ....
Orchids, Cattleyas	20.00 to 50.00
Cypripediums, per doz.	.... to ....
Dendrobium Formosum	.... to ....
Pansies, per doz. bunches	.... to ....
Poinsettias, per doz.	.... to ....
Hyacinths	.... to ....
Smilax (per doz. strings)	1.00 to 1.50
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.50 to 1.50
Tulips	.... to ....
Iris	.... to ....
Peonies	3.00 to 6.00

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 131 and 133 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
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55 West 28th St., NEW YORK
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CUT FLOWERS AT WHOLESALE

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WILL MOVE
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TO
THIRD FLOOR
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NEW YORK CUT FLOWER EXCHANGE
26th STREET SIDE
As usual, all Cut Flowers in season.
Finest Callas and Lilies every day in the year.
OPEN 5 A. M. to 6 P. M.
SUNDAY UNTIL 10 A. M.
TELEPHONE 5243 MADISON SQ.
PHILIP F. KESSLER

New York

P. J. Smith, successor to John I. Raynor, will be found at the old stand, 49 West 28th st., ready to welcome both old and new customers. Mr. Smith was for seventeen years with Mr. Raynor, and he has the good wishes of his many friends in his well earned accession to the business.

George Saltford, 43 West 28th st., is receiving some of the finest Peonies now arriving.

James McManus, 42 West 28th st., is receiving a full line of all seasonable Orchids, among which may be mentioned Cattleyas gigas and Gaskelliana.

The Growers' Cut Flower Co., 41 West 28th st., is receiving a large cut of good Gladioli, especially in scarlets.

At the meeting of the directors of the N. Y. Cut Flower Exchange at Long Island City, on June 4, an annual dividend of 10 per cent. was declared. A stand at the Exchange was assigned to Gustave Müller, Farm Road, Secaucus, N. J.

The Kervan Co., 113 West 28th st., is doing an up-to-the-limit business in all outdoor greens.

The new store front is now going in at M. C. Ford's store, 121 West 28th st. The mammoth ice box from the old store has been installed in the basement and it is only a matter of a few days before the store is completed. Meanwhile the business progresses with its old-time vigor.

George Cotsonas & Co. are in their new quarters at 127 West 28th st. The building is undergoing extensive improvements, including a new glass front for both stories. On the second floor there will be bandled florists' supplies. N. J. Hill, wholesale florist, will continue to occupy quarters with Cotsonas.

A son was born to Bernard Breckner, Bayside, L. I., on June 3, Congratulations on the advent of a new florist are in order.

It is reported that the market is short on rooted 'Mum cuttings.

F. R. Pierson, Tarrytown, N. Y., was in attendance at the Summer exhibition of plants and flowers in the Museum Building of the N. Y. Botanical Garden on June 4, where he was chairman of the exhibition committee.

Kessler Bros., 450 Sixth ave., are making large sales of Bay trees and Phœnix Palms.

There is nothing doing, so far, at the prospective new quarters of George Saltford, which have been vacated and will be put in first-class order before July 15, when Mr. Saltford will make the sixth mover among the wholesale florists and plantsmen on 28th st. Who next?

Charles H. Totty of Madison, N. J., will shortly make a trip to England, and it is expected he will be accompanied by Joseph S. Fenrich, who feels the need of a quiet vacation.

Philip F. Kessler will move on June 15 into quarters on the third floor of the Coogan Building, 26th st. side, the same floor as that occupied by the N. Y. Cut Flower Exchange.

Frank H. Traendly, chairman of the transportation committee of the N. Y. Florists' Club, expects to make a report at the Club meeting on Monday next, June 13, on arrangements made for the transportation of members and friends to Rochester, for the S. A. F. convention. A big attendance is expected at this meeting, as it is the last meeting until September, and at it will be made the first exhibition in the points competition for the Hitchings cup of merit.

The joint will of the late James Bolling, florist of Montgomery st. and West Side ave., Jersey City, and Mrs. Bolling, was probated last week, and was the first such will admitted to probate in Hudson County in ten years. The husband died in August, 1907, and the wife on April 16 last. The florist business is bequeathed to the son, Charles, who also receives an equal share of the real estate with two sisters.

E. S. Miller of Wading River, L. I., met with a very painful accident on Sunday morning, June 5, while riding his bicycle. The fork broke at the head, throwing him heavily to the ground, and cutting his face badly. Several stitches were taken in each lip and the nose. Besides the cuts, he was bruised and generally shaken up, so that he will be confined to the house for some time to come.

Catalogs Received

W. ATLEE BURPEE & CO., Philadelphia.—Wholesale Prices for Turnip, Winter Radish and Spinach Seed.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee June 6, 1910	Pittsburgh Jun. 6, 1910	NAMES AND VARIETIES	Boston Jun. 7, 1910	Detroit Jun. 6, 1910	Cincinnati Jun. 6, 1910
25.00 to 35.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	18.00 to 25.00	20.00 to 25.00	..... to 25.00
15.00 to 18.00	12.50 to 15.00	" extra	12.00 to 15.00	18.00 to 20.00	..... to .....
10.00 to 12.50	6.00 to 10.00	" No. 1	8.00 to 10.00	12.00 to 18.00	..... to .....
4.00 to 8.00	..... to 3.00	" No. 2	..... to	6.00 to 10.00	..... to 4.00
8.00 to 10.00	3.00 to 10.00	Killarney	3.00 to 8.00	..... to	3.00 to 6.00
8.00 to 10.00	3.00 to 10.00	White Killarney	3.00 to 8.00	..... to	3.00 to 6.00
..... to	2.00 to 3.00	My Maryland	..... to	3.00 to 8.00	3.00 to 6.00
4.00 to 10.00	4.00 to 10.00	Richmond	3.00 to 8.00	4.00 to 10.00	4.00 to 6.00
4.00 to 8.00	..... to	Perle	..... to	..... to	..... to .....
..... to	..... to	Golden Gate	..... to	..... to	..... to .....
4.00 to 8.00	2.00 to 8.00	K. A. Victoria	..... to	4.00 to 10.00	..... to .....
..... to 8.00	..... to 10.00	Bride, Maid, fancy—special	..... to 6.00	8.00 to 10.00	..... to 6.00
..... to 6.00	6.00 to 8.00	" extra	2.00 to 4.00	6.00 to 8.00	..... to 4.00
..... to 4.00	..... to 4.00	" No. 1	..... to	4.00 to 6.00	..... to .....
..... to 2.00	..... to 2.00	" No. 2	..... to	3.00 to 4.00	..... to .....
..... to 1.00	1.00 to 1.50	Adiantum	1.00 to 1.50	1.00 to 1.50	..... to .....
..... to 30.00	30.00 to 50.00	Asparagus, Plumosus, bunches	..... to 50.00	25.00 to 50.00	..... to 10.00
..... to 30.00	10.00 to 30.00	" Sprengeri, bunches	..... to 50.00	25.00 to 50.00	..... to .....
..... to	..... to	Bouvardia	..... to	..... to	..... to .....
..... to	..... to	Callas	..... to	12.50 to 15.00	..... to .....
1.00 to 2.00	..... to 1.50	Carnations—Inferior grades, all colors	..... to	..... to	..... to .....
1.00 to 2.00	..... to 2.00	Standard Varieties: White	1.50 to 3.00	1.00 to 2.00	..... to 2.50
1.00 to 2.00	..... to 1.50	Standard Varieties: Pink	1.50 to 3.00	1.00 to 2.00	..... to 2.00
1.00 to 2.00	..... to 1.50	Standard Varieties: Red	1.50 to 3.00	2.00 to 3.00	..... to 2.00
1.00 to 2.00	..... to	Standard Varieties: Yellow and var.	..... to	..... to	..... to .....
3.00 to 4.00	2.60 to 4.00	*Fancy (*The highest grades of Sta'd vars.): White	1.50 to 3.00	2.00 to 3.00	..... to .....
3.00 to 4.00	2.50 to 4.00	*Fancy: Pink	1.50 to 3.00	2.00 to 3.00	..... to .....
3.00 to 4.00	2.50 to 4.00	*Fancy: Red	1.50 to 3.00	3.00 to 4.00	..... to .....
3.00 to 4.00	2.50 to 4.00	*Fancy: Yellow and var.	..... to	..... to	..... to .....
.50 to .75	1.00 to 2.00	Daisies	..... to	.50 to 1.00	.35 to .50
..... to .30	..... to	Ferns, hardy	..... to	..... to .15	..... to .....
..... to .20	..... to	Galax, green and bronze	..... to	..... to .12	..... to .....
..... to	..... to	Gardenias, per doz.	..... to	..... to	..... to .....
..... to	..... to	Gladiolus	..... to	3.00 to 10.00	..... to .....
15.00 to 18.00	8.00 to 10.00	Lilies, Harrisii and Longi	6.00 to 12.00	12.50 to 15.00	..... to .....
..... to 3.00	2.00 to 4.00	Lily of the Valley	1.00 to 3.00	3.00 to 4.00	..... to 4.00
..... to	..... to	Mignonette	..... to	3.00 to 6.00	..... to .....
..... to	50.00 to 75.00	Orchids—Cattleyas	30.00 to 40.00	..... to	..... to .....
..... to	..... to	Cypripediums	..... to	..... to	..... to .....
..... to 1.00	..... to .50	Pansies, per doz. bunches	..... to	1.00 to 1.50	..... to .....
4.00 to 6.00	4.00 to 6.00	Peonies	..... to	4.00 to 10.00	2.00 to 3.00
..... to 1.50	1.50 to 2.00	Smilax, (per doz. strings)	..... to	..... to 1.50	..... to 1.50
.75 to 1.00	.25 to 1.00	Sweet Peas	.25 to 1.00	.50 to 1.00	.35 to .50
..... to	..... to	Tulips	..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....
..... to	..... to		..... to	..... to	..... to .....

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

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WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. CINCINNATI, O.

All Cut Flowers in Season

I Sell Heller Bros. Roses

I Manufacture Wire Work

Illustrated Catalogue for the asking.

Get your order in now for

HANGING BASKETS

The Best—The Strongest—The Cheapest

Green Sheet Moss, $1.00 per Bundle

Sphagnum Moss, $1.00 per Bale

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GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

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WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

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Please mention the Exchange when writing.

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WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Buffalo

The daughter of Otto Gillis, one of W. J. Palmer & Son's employees, was operated on for appendicitis on Saturday of last week; at this writing she is doing as well as could be expected.

Robert Scott still has to use his canes to get around with, owing to the affliction he has in his knees.

The writer in going the rounds of the different greenhouses found them all pretty well sold out, many having had to buy stock to fill orders; this speaks pretty well for trade in their line.

The Wm. Scott Co.'s place, cor. Main & Balcom sts. grows about 30,000 Geraniums, besides a large line of bedding plants, which stock all looks well. They have been busy for the past three weeks filling a large number of cemetery vases with outdoor stock; owing to the rainy weather this work has been greatly held up.

D. Newlands & Co., at Main and Delavan aves., grow about 20,000 Geraniums for their cemetery work; being located right across the street from the main entrance thereof they enjoy one of the largest trades of this kind in the city; they had been rushed for the past three weeks, and were looking for a breathing spell.

W. H. G.

Boston

Trade conditions have been quite good after the large business done on Memorial Day, and excellent reports are heard everywhere regarding the holiday business.

Flowers of all kinds in the market this week are of excellent quality, considering that it is June. Roses and Carnations are seen of the very highest quality and the color of the Carnations is very good. No doubt the cool weather we are having has something to do with this. Since the beginning of June the weather has been exceptionally cool, and although we had such an early Spring the season is backward and the Peony exhibition had to be postponed this week, due to the fact that few Peonies have opened yet. On the night of June 4 there was quite a hard frost in some sections and early and tender crops suffered somewhat.

College and school graduations are the principal outlets for quantities of flowers at this time, and Boston has so many of these institutions that several retail florists reap a good harvest from them.

Floral decorations for June weddings are being done and many orders have been booked for the past week; in fact, many of the retail florists have been quite busy since the beginning of the month.

Growers are busy clearing up their houses of Stocks, Candytuft and other Memorial Day products and many of the houses are being replanted with Chrysanthemums and other plants suitable for Autumn sales. Others are busy with repairs, painting, glazing, etc., and no time is better suited for such work than the present, when most of the houses are empty.

Edgar Bros. of Waverley are shipping some very nice dark red Peonies, presumably P. officinalis rubra, to the market at 1 Park st.

Becker & Co. of Billerica had a splendid crop of Carnations, which they are shipping to 1 Park st. Their Red Prince Carnation holds its color very well, is a splendid keeper in hot weather, and sells at highest prices.

H. W. Vose of Hyde Park has some very fine Gladioli of the early kinds, and his productions of this flower at the market look remarkably well and are sold readily.

Peirce Bros. of Waltham are still cutting good Lilium longiflorum and they keep the market well supplied with their various kinds of Gladioli.

Mann Bros. of Randolph are also shipping Lilies and they are in good demand, many of them being used in church decorations.

At W. H. Elliott's, Madbury, N. H., establishment the hands are busy clearing out their Roses, and this week will see most of the old soil moved and fresh material put in the benches. Next week they will begin planting with young stock and will finish up in about three weeks.

Willow Hill Greenhouses, West Roxbury, are this week, through Thomas Peglar at 1 Park st. market, disposing of some well grown standard Fuchsia and Heliotrope plants, which are picked up readily at good prices.

Elijah Wood of Newtonville has a fine stock of the favorite market varieties of Peonies and is just beginning to ship this week. He has the largest supply of Festiva maxima of any of the growers, and his cut flowers of this variety are always the best in the market.

BEAUTIES

$3.00 per dozen.
$20.00 per 100.

They will be in demand this month. We have a large supply and can fill all orders.

PEONIES
$6.00-$8.00 per 100.
Pink and White.

VALLEY
Fancy $4.00 per 100.
First $3.00 per 100.

KILLARNEY—RICHMOND—MARYLAND
Fancy $8.00 per 100. Extra $6.00 per 100. First $5.00 per 100.

NEW FERNS Now $1.00 per 1000.

THE LEO NIESSEN CO.,
Wholesale Florists
1209 Arch Street
PHILADELPHIA
Open from 7 A.M. to 8 P.M.

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Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Jun. 6, 1910	Buffalo Jun. 6, 1910	NAMES AND VARIETIES	Phil'delphia Jun. 6, 1910	St. Louis Jun. 7, 1910	
to 25.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	15.00 to 25.00	20.00 to 25.00	
15.00 to 20.00	15.00 to 20.00	" extra	10.00 to 15.00	15.00 to 20.00	
10.00 to 12.50	8.00 to 10.00	" No. 1	8.00 to 10.00	8.00 to 15.00	
5.00 to 8.00	2.00 to 4.00	" No. 2	3.00 to 8.00	3.00 to 6.00	
4.00 to 5.00	3.00 to 10.00	Killarney	2.00 to 5.00	3.00 to 6.00	
4.00 to 8.00	8.00 to 10.00	White Killarney	2.00 to 8.00	3.00 to 6.00	
3.00 to 8.00	8.00 to 10.00	My Maryland	2.00 to 8.00	3.00 to 6.00	
3.00 to 8.00	3.00 to 10.00	Richmond	2.00 to 10.00	5.00 to 6.00	
3.00 to 5.00	to	Perle	to	to	
3.00 to 8.00	to	Golden Gate	to	to	
4.00 to 8.00	to	K. A. Victorie	2.00 to 10.00	to	
5.00 to 8.00	to 8.00	Bride, Maid, fancy—special	to	4.00 to 5.00	
4.00 to 5.00	6.00 to 8.00	" extra	6.00 to 8.00	to	
3.00 to 4.00	4.00 to 8.00	" No. 1	4.00 to 6.00	3.00 to 4.00	
to 2.00	2.00 to 4.00	" No. 2	2.00 to 3.00	2.00 to 3.00	
to 1.00	1.25 to 1.50	Adiantum	1.00 to 1.50	1.00 to 1.25	
25.00 to 50.00	to	Asparagus, Plumosus, bunches	35.00 to 50.00	to	
25.00 to 50.00	to	" Sprengeri, bunches	35.00 to 50.00	to	
to 2.00	to	Bouvardia	to	to	
8.00 to 10.00	8.00 to 12.00	Callas	8.00 to 12.50	to	
to 1.00	1.50 to 2.50	Carnations—Inferior grades, all colors	1.00 to 1.50	to	
1.50 to 2.00	1.50 to 2.50	Standard Varieties: White	1.50 to 2.00	2.00 to 3.00	
1.50 to 2.00	1.50 to 2.50	Standard Varieties: Pink	1.50 to 2.00	2.00 to 3.00	
1.50 to 2.00	1.50 to 2.50	Standard Varieties: Red	1.50 to 2.00	2.00 to 3.00	
1.50 to 2.00	1.50 to 2.50	Standard Varieties: Yellow and var.	1.50 to 2.00	to	
to 2.50	to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	2.00 to 3.00	2.50 to 3.00	
to 2.50	to 8.00	*Fancy: Pink	2.00 to 3.00	2.00 to 3.00	
to 2.50	to 3.00	*Fancy: Red	2.00 to 3.00	2.00 to 3.00	
		*Fancy: Yellow and var.	2.00 to 3.00	to	
to	1.00 to 2.00	Dahlias	1.00 to 1.50	to	
to	to .25	Ferns, hardy	.15 to .30	to	
to	to .15	Galax, green and bronze	to .10	to	
to 10.00	1.80 to 3.00	Gardenias, per doz.	.50 to 2.00	to	
3.00 to 5.00	to	Gladiolus	8.00 to 12.50	to	
to 12.50	10.00 to 12.50	Lilies, Harrisii and Longi	6.00 to 12.50	8.00 to 10.00	
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	3.00 to 5.00	3.00 to 4.00	
to	1.00 to 3.00	Mignonette	1.00 to 2.00	to	
to	to	Orchids—Cattleyas	40.00 to 50.00	to	
to	to	Cypripediums	to	to	
to	.20 to .50	Panaisa, per doz. bunches	to	to	
3.00 to 4.00	5.00 to 8.00	Paonias	3.00 to 8.00	to	
to 2.00	to 1.50	Smilax, (per doz. strings)	2.00 to 2.50	1.25 to 1.50	
.35 to .75	.50 to 1.00	Sweet Peas	.50 to 1.00	to	
to	1.00 to 3.00	Tulips	to	to	
to	to		to	to	
to	to		to	to	

WE ARE NOW BOOKING ORDERS FOR

BEGONIA LORRAINE
BEGONIA LORRAINE LONSDALE
BEGONIA AGATHA

JUNE DELIVERY

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be **twice shifted.** Orders filled in rotation. 2½-in. pots, $15.00 per 100, $140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

F. Gordon Fisher of Montvale, Mass., has gone to Durham, N. H., to take the entry examination at the college this week. He expects to enter college next Fall. He is very much interested in forestry and no doubt inherited this fondness from his father, David Fisher, who was a trained forester as well as a good gardener and florist.

Paine Brothers, of Randolph, Mass., have pulled up all their Sweet Peas and are now cleaning up their houses and repairing them for their Fall crops.

Adolph Koch, florist, of Nobscot, Mass., met with a very painful accident this week. He lost part of his forefinger while working with a hot air engine.

Walter H. Knapp of Newton is cutting some good Oriental Poppies, and The Hanover Greenhouses, Hanover, Mass., have a good cut of Kaiserin Roses and fine Carnations. Both ship to 1 Park st. market.

Zinn the Park st. florist has been quite busy with wedding decorations and has many orders on his books for the remainder of the month. He made a very large funeral piece last week which went to Rochester, N. H. It was a 6-ft. horseshoe, made with Rhea Reid Roses, and inside, on a panel backed with Magnolia leaves, was a large horse's head made of white Carnations.

The baseball team of the market at 1 Park st. went to Madbury, N. H., on Saturday, June 4, to play the Madbury Rose Farm team. The men who have been breathing the invigorating fresh air of the New Hampshire hills for several years were a little too much for the city men, and the result was that they played 12 innings. The Madbury men scored 10 and the market men 9.

Robert E. Lessman of Waverley has a good crop of Pyrethrums which he is shipping to the market at 2 Park st.

A. M. Tuttle, nurseryman, of Melrose has been shipping some extra fine Iris dalmatica, which sells readily and at a good price. The light lavender color is very pleasing.

Final Memorial Day Notes

J. H. Leach of North Easton, Mass., had a splendid crop of Spiræa for Decoration Day; he sold in one order to Galvin 4000 sprays. His Queen Alexandra was of very high grade and sold as high as 6c. a spray.

A. Roper of Tewksbury had a large crop of Carnations of high quality. His Fair Maids and Bay State were worthy of special mention.

John Barr of South Natick had the best Carnations in the market; he never has trouble in disposing of them at the highest prices going.

W. S. Phelps of Marlborough had some very fine Gladioli, which went quickly.

R. C.

VALLEY

For the June Girl

The celebrated Pennock Brand. The very best pips were selected and planted for June work, which is giving us a quality much above the average

	Per 100
Special	$5.00
Extra	4.00
First	3.00

PEONIES
Still have a few Peonies, mostly light colors. $4.00 to $6.00 per 100. Some fancy stock at $8.00.

GARDENIA SPECIAL
Greenhouse grown stock, splendid large blooms, pure white, in lots of 100 at $7.50 for the best quality.

CATTLEYAS
$6.00 per dozen, $40.00 per 100.

RIBBONS
Some of the choicest novelties, exclusive patterns, an endless variety to choose from.

SUPPLIES OF ALL KINDS

Catalogue on request

A price list of all cut flowers is issued every Saturday. If you are not on the list, kindly let us have your name.

S. S. Pennock-Meehan Co.
The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St. Philadelphia, Pa.
1212 New York Ave. Washington, D. C.
Stores close at 6 p. m.

Please mention the Exchange when writing.

Headquarters in Western New York
For Roses, Carnations,
And all kinds of Seasonable Flowers

WM. F. KASTING CO.
Wholesale Commission Florists
Dealers in Florists' Supplies and Wire designs
383-87 Ellicott St., BUFFALO, N.Y.
Give us a trial—We can please you

Please mention the Exchange when writing.

EDWARD REID
Wholesale Florist
Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.
Our usual quality (the best)
1526 Ranstead St., Philadelphia, Pa.

Please mention the Exchange when writing.

Philadelphia

Pennock Bros., 1514 Chestnut st., are making a very attractive window display. One-half of the window is filled with baskets of flowers in ten different arrangements, the other half with some nice specimens of Crotons, Hydrangea Otaksa and Cibotium Schiedei. One basket, filled with pink Snapdragon, pink Sweet Peas, and pink Hydrangea with Fern trimmings and blue chiffon bow, is very pretty.

Charles Meehan of the S. S. Pennock-Meehan Co., went to Washington on Monday to look after the interests of the company's Washington branch.

Robert Craig, Jr., and Duncan MacCaw, on their New York trip last week called on the plant growers at Woodside, Whitestone and Flushing, L. I., and Secaucus, N. J., and also on the Julius Roehrs Co. and Bobbink & Atkins, Rutherford, N. J. They report a very enjoyable visit and they were especially charmed with the Roehrs' Orchids and Bobbink & Atkins' evergreens.

The Robert Craig Co. is sending out great numbers of Cyclamen, Begonia Lorraine, Dracæna terminalis and Crotons.

Edward Reid, 1516 Ranstead st., is making large shipments of American Beauty, Killarney and My Maryland

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

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CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

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HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

"The Busiest House in Chicago"

J. B. DEAMUD CO.

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WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

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Wholesale Florists

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Wietor Bros.

Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

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ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

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All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, June 7, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	.... to 3.00
30-inch stems.. "	... to 2.50
24-inch stems.. "	.... to 2.00
20-inch stems.. "	.... to 1.50
18-inch stems.. "	.... to 1.25
12-inch stems.. "	.... to 1.00
8-in. stems and shorts "	.... to .75
Killarney	4.00 to 6.00
" extra	.... to 8.00
White Killarney	.... to 8.00
Richmond	5.00 to 8.00
My Maryland	5.00 to 8.00
Bride, Maid, fancy special	5.00 to 7.00
" extra	5.00 to 6.00
" No. 1	.... to 3.00
" No. 2	.... to 2.00
Perle	5.00 to 6.00
Chatenay	4.00 to 6.00
Kaiserin	5.00 to 7.00
Uncle John	.... to 6.00
Mrs. Marshall Field	.... to 6.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Calla Lily	10.00 to 12.50
Chrysanthemums, doz.	.... to ....
" fancy doz.	.... to ....
Corn Flowers	.75 to 1.00
Daisies	.... to ....

CARNATIONS		
Standard Varieties	White	1.00 to 2.00
	Pink	1.00 to 2.00
	Red	1.00 to 2.00
	Yel. and Var.	.... to ....
*Fancy * The highest grades of Sta'd varieties	White	2.50 to 3.00
	Pink	2.50 to 3.00
	Red	2.50 to 3.00
	Yel. and Var.	.... to ....
Ferns, hardy, per 1000		.... to 3.00
Galax (green)		.... to 1.00
" (bronze)		.... to 1.00
Gardenias		20.00 to 30.00
Lilies, Harrisii and Longi.		10.00 to 12.50
Lily of the Valley		3.00 to 4.00
Mignonette		2.00 to 4.00
Narcissus—Paper White		.... to ....
Orchids—Cattleyas		50.00 to 60.00
" Cypripediums		15.00 to 20.00
Pansies		.... to .50
Peonies		5.00 to 8.00
Smilax		12.00 to 15.00
Sweet Peas		.50 to 1.50
		.... to ....
Violets, single		.... to ....
" double		.... to ....
		.... to ....
		.... to ....
		.... to ....
		.... to ....
		.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

DOMOTO BROS.

Wholesale Florists

Store, 2729 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.

Headquarters for Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.

We respectfully solicit your patronage.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

Roses. Mr. Reid's reputation as a very successful shipper, especially to southern points, is well known.

George Aeugle, the new and energetic young manager of the Philadelphia Cut Flower Co., is evidently "making good" at 1517 Sansom st.

It would be hard to find either in Philadelphia or any other city, a wholesale commission florist's establishment where things are moving faster than at S. S. Pennock-Meehan Co.'s, with its forty or more employees.

Some blooms of the new Rose Princeton, brought out by Stockton & Howe of Princeton, N. J., have been shown in this city. The color is rose pink and the buds are long, and it is thought to be very promising. The firm will devote one house to it next Winter.

The Leo Niessen Co., 1209 Arch st., are receiving some very fine Sweet Peas and My Maryland Roses.

Godfrey Aschmann, 1012 West Ontario st., has bought the adjacent house at 3348-50 North Tenth st., and is having it renovated and put in first-class order for tenement purposes. Mr. Aschmann will sail for Europe early in July to make selections of Azaleas and other plants for importation.

Mrs. Alphonse Pericat and her two daughters, Misses Odette and Jeanne, will sail for Europe on Saturday, June 11, on the LaGascogne for a three months' stay. Miss Odette will remain in France for two years, to complete her French education.

William A. Leonard, Lansdowne, Pa., is finishing two new greenhouses, 300 ft. by 28 ft.; and August Doemling of the same place is finishing two, 200 ft. by 30 ft. Alphonse Pericat of Collingdale is erecting a new Orchid house, 71 ft. by 20 ft. The material for all these houses is furnished by Lord & Burnham Co.

The decorations at the Taylor-Ewell wedding in St. Stephen's Church last Tuesday were by Frank Polites, 1418 Chestnut st. The chancel on either side was heavily banked with large Palms, one hundred and fifty being used. Ten standards erected at the chancel rail were surmounted with bouquets of Easter Lilies and hung with ropings of Lily of the Valley. The effect was very pretty. The bride carried a prayer book showered with Valley, and the bridesmaid a bouquet of white Killarney Roses. The ushers wore boutonnières of Lily of the Valley. Polites also furnished the graduating bouquets for the Armitage School at Wayne, Pa., and for the Sayward School at Overbrook, Pa.

The following were recent visitors: Theodore Auterbridge, Sunnylands, Bermuda; George M. Brinton, Wilmington, Del.; D. B. Edwards, Atlantic City, N. J.; and M. J. Brinton, Christiania, Pa.

Chicago

Business has continued exceptionally good since Decoration Day and all stock has sold splendidly. There is still a decided shortage of Peonies, as also long stemmed and medium American Beauty Roses. A feature of the trade a week past has been an increased demand for superior stock for weddings and commencements, of which there have been many. It is stated that the volume of business done last week was the largest, outside of holiday weeks, of any previous week for some time. The orders that are being booked now indicate a continuance of conditions for some days. The heavy shipping business is due to the lack of outdoor stock generally used extensively through June.

The weather still continues favorable for indoor stock; with the exception of two or three days in the past three weeks fires have been kept in the greenhouses. It has certainly been one grand season for all growers of cut flowers, and there has not been a real glut on the market this year.

C. L. Washburn says he took a trip last Sunday through his Peony patch at Hinsdale and discovered that fully 75 per cent. of flowers have been blasted and crippled to such an extent that there is not a possible chance that there will be any flowers to store this year.

Winterson's Seed Store reports a very successful season in all lines of business, stock having been disposed of readily. The store force is glad of a resting spell.

Tim Matchem, at Peter Reinberg's, says shipping continued brisk all last week, keeping the force on some nights until after 6 o'clock completing their orders.

Wietor Brothers say there is no room for complaint with them regarding the incoming and outgoing of stock. Business is fine.

The A. L. Randall Co. reported on Monday a decided shortage of Lawson Carnations, with other stock in vast quantities meeting with a ready demand from all sources.

Congratulations are being extended to Leonard Vaughan, on the arrival of Leonard, Jr., who became one of the family June 1.

W. Lynch of E. H. Hunt's was a victim of rheumatism last week, the trouble keeping him confined to his home. He is, however, again attending to business.

Strail & Hahn have at last succeeded in getting their ice box installed at their new store, and feel now fully equipped to cope with orders of all descriptions. It was stated last week that Mrs. Wenzler was with them; this should have been "Miss" Wenzler.

The failure of the Jones Co. drygoods house at Kansas City last week is sadly deplored by many Chicago wholesalers, as the house utilized in the neighborhood of 25,000 Carnations each Saturday, all of which were supplied by the Chicago market.

J. G. Crozier, and son Milo, arrived in Chicago on Monday from Cedar Rapids, Ia., and will visit the growers and nurserymen in this locality. Mr. Crozier is looking ahead, as he expects to build an addition to his place next year.

A cablegram from O. P. Bassett last Saturday announced his arrival in England on that day, after a most enjoyable voyage, during which he was not sick a minute and ate three hearty meals every day. He expected to start on his auto tour on the following Monday.

Will Young, of St. Louis, was a visitor in town the first of the week, and left for Rockford, Ill. ,and other points throughout the State.

C. Currie, one of the Toledo, O., retailers, spent Monday in town, en route for Delaware, O., where he expects to spend a few days.

Ed. Kirschner of the Winona Floral Co., Winona, Wis., passed through Chicago last Friday on his way to New York, to leave there the last of the week for Germany on an extended visit.

The Briggs House Florist has opened another shop in the Masonic Temple, next door to the store recently vacated by the Visas Brothers.

The Bohannon Floral Co. bought an entire shipment of Orchids last week. By running a special sale Mr. Bohannon says he disposed of every one on a good margin of profit. They had three weddings on hand Saturday, besides several funeral orders, which kept all hands hustling.

D. D. Johnson of the Evergreen Brand Fertilizer house is busy working on some circulars pertaining to the fertilizer, which he will be pleased to send to any desiring them.

J. Mangel says that he has many orders booked for graduation and commencement exercises. Several functions held at the Blackstone Hotel last week gave his hands plenty to do.

Muir of 35th st. and Michigan ave. says business has continued brisk all the season; funeral work and wedding orders have kept everyone busy.

Visitors: A. L. Glaser, Dubuque, Ia.; F. Flossfeder, Berkeley, Cal.; W. A. Harkatt, Dubuque, Ia.; Chas. Connon, St. Louis, Mo.; G. W. Stumpner, Argos, Ind.; Aug. Casper, Rochelle, Ill.; Mr. Anderson, Moline, Ill.; C. L. W. Sueider, manager of El Paso Carnation Co., El Paso, Ill.

Fred Munzing, one of the employees of Frank Oechslin, sailed from New York June 8, on the Lusitania, for England, where he will spend the Summer.

Bowling

The averages of the bowlers in the competition for places on the S. A. F. convention team on June 3 were as follows:

	Games	Pins	Average	
E. Johnson	3	541	180	1-3
Yarnall	15	2508	167	3-15
J. Zech	6	1004	167	2-6
Vaughan	12	2001	166	9-12
Farley	18	2986	165	16-18
Huebner	18	2968	164	16-18
Pasternick	18	2922	162	6-18
Graff	18	2880	160	
Wieczorowski	3	480	160	
Asmus	9	1432	159	1-9
Winterson	9	1387	154	1-9
Bergman	9	1380	153	3-9
Degnan	3	445	148	1-3
Ayres	15	2215	147	10-15
Lieberman	15	2139	142	9-15
Wolf	3	428	142	2-3
Goerisch	9	1233	137	
Vogel	5	607	121	2-5
Krauss	3	359	119	2-3

Chicago Florists' Club

A regular monthly meeting of the Chicago Florists' Club was held on June 2, at the Union Restaurant. There was not a very large number of members present. Vice-president Harry E. Philpott presided. No new members were proposed. George Grimm, 523 So. Peoria st. and P. J. Saunders, 4901 Cottage Grove ave., were elected members. It was voted that the Club on July 7 give a banquet to the members of the Club, at a dollar a head, the expense to be defrayed by the Club. Any members wishing to bring friends may do so at the rate of one dollar per plate. Nothing of further importance was discussed.

SALVIAS

Bonfire and Splendens, fine strong plants, in bud, 3-4 in., $2.50 per 100.
CANNAS; HELIOTROPE; LEMON VERBENAS, 12-20 shoots; GERANIUMS in bud and bloom, Nutt, Buchner, Grant and Poitevine, strong 3½-in., $5.00 per 100; Mme. Salleroi, 2-in., $1.50 per 100; 3-in., $2.50 per 100; COLEUS, Red, Yellow and Mixed, strong 2-in., $1.50 per 100. Cash.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

SALVIA BONFIRE

Fine, Strong, Stocky Plants, $2.00 per 100. Cash with order.

E. B. JENNINGS
LOCK BOX 254 **Southport, Conn.**

Please mention the Exchange when writing.

SALVIA BONFIRE

Splendid stock, 4-in., $5.00 per 100; 2½-in., $2.50 per 100.
COLEUS, Golden Bedder, Verschaffeltii and Assorted, 2 and 2½-in., $2.00 per 100.
CANNA Robusta, 5-in., very heavy, $6.00 per 100.

J. W. ADAMS & CO.
Springfield, Mass.

Please mention the Exchange when writing.

SINGLE PETUNIAS

Fringed Ruffled Giants, in bud and bloom, from 3-in. pots, $3.00 per 100.
SNAPDRAGONS, White, Yellow, Pink, Crimson, or Mixed, from 2-in. pots, $2.00 per 100.
CINERARIA Maritima, from 3-in. pots, $3.00 per 100.
GERANIUMS, S. A. Nutt, from 2½-in. pots, $2.60 per 100.

ALBERT WM. BOERGER, GARDENVILLE N. Y.

Please mention the Exchange when writing.

PETUNIAS Single Petunias of Ruffled Giant, California Giant, and Ruffled, striped and blotched. A No. 1 stock, 2¼-in. pots, $2.00 per 100, $18.00 per 1000.
GERANIUMS, 4-in., in bud and bloom, Nutt, Ricard, Viaud, Peter Henderson, Buchner, Poitevine, and Rose Geraniums, $6.00 per 100, $50.00 per 1000.
Cash please

S. A. PINKSTONE, 206 Court Street UTICA, N. Y.

Please mention the Exchange when writing.

VINCA VARIEGATA

From 2 inch pots, $2.00 per 100.

LEONARD COUSINS, Jr
CONCORD JUNCTION, MASS.

Please mention the Exchange when writing.

Bedding Plants

GERANIUMS

S. A. Nutt, 4-in., $6.00 per 100.
S. A. Nutt, Beaute Poitevine, and A. Ricard, 3½-in., $5.00 per 100.

HELIOTROPE and ROSE GERANIUMS, 4-in., $5.00 per 100.
VINCA Variegata, 4-in., $10.00 per 100.
FUCHSIAS, 4-in., $7.00 per 100.
Mme. Salleroi Geraniums, 3-in., $4.00 per 100.

CANNAS, Souv. de Ant. Crozy and Duke of Marlborough, 4-in., $6.00 per 100.

German Ivy, Zinnias, Cannas, Ageratum, Sweet Alyssum, Heliotrope, Begonia Vernon, 2¼-in., $2.00 per 100.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

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Worcester, Mass.

Final Memorial Day Reports

Worcester florists are satisfied with Memorial Day business and feel they have had their share of the trade. The shops were opened day and night and business kept up until well into the afternoon of Monday.

The demand for cut flowers was good but plants and flowering shrubs had the greatest sale. Quantities of Spiræas, Hydrangeas, Geraniums and living bouquets, were sold.

All florists report an excellent supply and demand, and consider the day's trade as an indication that money is more plentiful this year than last.

Lily of the Valley is about gone. Sweet Peas for corsage bouquets are much in demand and Pansies are also in favor.

Orders for wedding decorations are fast coming in and June promises to be a busy month in this line of the business.

W. D. Ross Bros., seed and implement dealers at 90 and 92 Front st., are busy filling orders in both departments. The seedsmen are doing a fine business in spite of the cold and rainy weather. Flowering and bedding plants are especially good. Bay trees and Boxwood are in great demand for landscape work and specimens of each are found in all of the shops for use by the home or professional landscape gardener. The James Draper Nurseries are doing a good business. James Edwin Draper is making much progress in the business established by his father, James Draper, the former commissioner of parks.

H. F. A. Lange has one of the most attractive window displays of the season, in his new store. A center vase of brass, about 3 ft. high, holds two dozen Easter Lilies and around it pots of Canterbury Bells, Ferns and Palms are arranged; the white of the Lilies and the delicate colors of the Bells making a pleasing contrast. The other window is designed in mosses, Ferns and Palms.

H. F. Littlefield's store at 409 Main st. is beautiful with fine shades of Hydrangea, Spiræa and greenery as a window display.

The Elm beetle seems to be causing a disturbance and some worry in this vicinity. A number of people who have found the pest on their premises have begun to fight it. Many who are not familiar with its characteristics have visited Horticultural Hall to gather information.

The cold, rainy weather and heavy frosts have worked much destruction to outdoor plants and flowers in Worcester and vicinity. The florists are cutting blooms now that should have been ready for Memorial Day.

The hothouse flowers have also been retarded by the changeable cold weather and, although business is good, seasonable flowers are late.

Charles D. Mackie reports an exceptional business in Baby Ramblers. These have been demanded for cemetery and home decorations. Funeral designs are receiving many calls, and Roses, Carnations, Pansies, Sweet Peas, with Boxwood sprays and Magnolia leaves are good sellers.

The Worcester garden city, the first in the world, located on the Island district, is attracting much attention. The flowers and vegetable plants were slightly affected by the frosts. Rev. R. J. Hardy, who is in charge, on advice of Sec. A. A. Hixon of the Worcester Co. Hort. Society, did not permit the little ones to plant as early as usual because of the weather conditions.

Marguerites in yellow and white are in great demand for weddings and receptions. An arm garland is particularly popular.

Edward O. Orpet, gardener E. V. R. Thayer estate, Lancaster, whose Orchids are famous all over the country, is planning to leave for Forest Hill Park, Ill., where he will have full charge of a large estate.

Enchantress, Lawson, Winona and White Perfection Carnations are favorites for luncheons and receptions.

Mme. Chatenay, Mrs. Jardine, the varieties of Killarney, Bride and Bridesmaid Roses are sold in abundance for weddings. The florists are producing a large number of these and Carnations to meet the demand for Worcester trade, which is partial to these varieties. E. D.

We are much pleased with The Florists' Exchange. The series now running on "Greenhouse Construction and Heating" alone is worth ten years' subscription to your paper.
H. D. W., New Hampshire.

Geraniums

Per 100
8 varieties, 2¼-inch pots $3.00
8 varieties, my selection, 3-in. pots. 4.00
ASPARAGUS Sprengeri, seedlings .. $7.00 per 1000.. 1.00
DOUBLE PETUNIAS, Seedlings ... 2.50
Cash. No C. O. D.

Coleus

Per 100
10 varieties, 2¼-in. pots..... $2.00
ASPARAGUS Sprengeri, 2¼-in. pots 2.00
ALTERNANTHERA, red and yellow 2.00

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.
Ricard, Poitevine and S. A. Nutt, at $10.00 per 1000; delivery made any time wanted, let me book your order, or send for sample and see the class of stock I send out.

HARDY PHLOX

Rooted cuttings free by mail at $1.25 per 100; Mixed Varieties, all of them good ones.

SMILAX and SPRENGERI

Good stock, let me send you a sample.
Smilax, $12.50 per 1000.
Sprengeri, $16.00 per 1000.

ALBERT M. HERR
LANCASTER, PA.

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GERANIUMS

3000, 2-in. pots, S. A. Nutt, Buchner, Ricard, Viaud, Doyle and Grant, at $2.00 per 100, $18.00 per 1000; also 3-in. of the following, S. A. Nutt, Buchner, Doyle, Grant, and Ricard, at $4.00 per 100, $35.00 per 1000. Cash with order.

FRED. W. RITCHY
Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

Geraniums

400 Beaute Poitevine. Strong, bushy plants, in bud and bloom, 3½-in. pots, $5.00 per 100. Cash with order please.

John R. Mitchell, MADISON N. J.

Please mention the Exchange when writing.

Surplus Plants Geraniums, mostly Ricard and Nutt, 4-in. stock, 5c.; Coleus, best bedders, 2c.; Fuchsias, in good variety, 4-in., 5c.; Heliotrope, 4-in., 5c.; Tuberous Rooted Begonias, red, 4-in., in bud, 10c; Cobaea Scandens, 3-in., 6c.; Scarlet Sage, Zurich, 2½-in., 2c.; Antirrhinums, good colors, 2c.; Asparagus Sprengeri, 2½-in., 2c.; Verbenas, mixed, 2c.; Dusty Miller, 1½c.; Lilium Speciosum Rubrum, showing from 8 to 12 buds, 50c. each.
GEORGE CHARMAN, 425-427 Church St., Bethlehem, Pa.

Please mention the Exchange when writing.

Last Call for Bedding Plants

100
CUPHEA, 2¼-in. pots..... $2.00
GERANIUMS, Mixed, 3-in. pots..... 3.00
CANNAS, Austria and Henderson, 3-in. pots 3.00
CHRYSANTHEMUMS, Lulu, Klondike, Bailey, Yellow Eaton, Ivory, White Eaton, 2¼-in. pots..... 2.00

Vegetable Plants

CABBAGE, Wakefield, Danish and Surehead. Per 100 25c., 1000 $2.00.

J. S. BLOOM, Riegelsville, Pa.

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Coleus!!! Coleus!!!

Verschaffeltii and Golden Bedder, 2¼-in. pots, $2.00 per 100; Rooted Cuttings of the same, $6.00 per 1000; Rooted Cuttings in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.
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154 Van Vranken Ave., SCHENECTADY, N. Y.

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COLEUS

Verschaffeltii and Victoria, 2-in., strong, transplanted stock, $2.00 per 100, $18.00 per 1000; Rooted Cuttings of same varieties, $5.00 per 1000. Cash please.

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

COLEUS

Crimson Verschaffeltii, Golden Bedder and Assorted, $1.50 per 100.
GERANIUMS: Nutt, Poitevine, Doyle and Others, 3-in. pots, $3.00 per 100.
SALVIAS, HELIOTROPES, FEVERFEW, 2-in. pots, $2.00 per 100; 3-in., $3.00 per 100.
AGERATUM GURNEY, VERBENAS, 2-in., $1.50 per 100.
ASTERS, PHLOX, MARGUERITE CARNATIONS, SINGLE STAR PETUNIAS; 2-in. pots, $1.00 per 100.
Cash with order.

ERNEST HARRIS, Delanson, N. Y.

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GERANIUMS

Ricard, Poitevine, S. A. Nutt and Viaud, 2-in., $2.00 per 100, $15.00 per 1000.
Rooted Cuttings: Ricard, S. A. Nutt, Poitevine and Buchner, fine stock, $10.00 per 1000.
Cash with order.

PETER BROWN, 124 RUBY STREET **Lancaster, Pa.**

Please mention the Exchange when writing.

Geraniums

All 3-in., in bud and bloom:
S. A. Nutt, Montmort, Viaud, Castellane, and Ricard, $4.00 per 100. Early in June I will have about 20,000 ready to plant out, all the Standards, as Poitevine, Buchner, Doyle, and the above varieties, only strong, bushy plants. Cash please.

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Fine, stocky plants, in bud and bloom, 4-in., Nutt, Poitevine, Ricard, La Favorite, Trego, Perkins, Jaulin, etc., $6.00 per 100.
Dark blue HELIOTROPE and Dwarf blue LOBELIAS, large plants, from flats, 75c. per 100, $6.00 per 1000.

HILL TOP GREENHOUSES, 84 Churchill Avenue **UTICA, N. Y.**

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GERANIUMS Rooted Cuttings, in the Florist's best set, at $10.00 per 1000. Ricard, Nutt, Poitevine, Buchner, Grant, Bertha de Pressilly, Richmond, Beauty, Castellane, Perkins, E. G. Hill, Decorator and Mrs. Lawrence.

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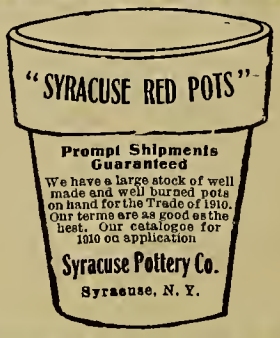

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Try us.

THE KELLER POTTERY CO.

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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

	Price per crate.		Price per crate.
1500 2 in. pots in crate, $4.88		120 7 in. pots in crate, $4.20	
1500 2¼	" " 5.25	60 8	" " 3.00
1600 2½	" " 6.00	HAND MADE	
1000 3	" " 5.00		
800 3½	" " 5.80	48 9 in. pots in crate, $3.60	
500 4	" " 4.50	48 10	" " 4.80
456 4½	" " 5.24	24 11	" " 3.00
320 5	" " 4.51	24 12	" " 4.80
216 5½	" " 3.78	12 14	" " 4.80
144 6	" " 3.16	6 16	" " 4.50

Seed pans, same price as pots. Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

HILFINGER BROS., Pottery, FORT EDWARD, N. Y.

August Rolker & Sons, Agts., 31 Barclay St., N. Y. City.

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is pure plant food, immediately available. It permanently enriches the soil. It prevents the onslaughts of plant disease, or insects and pests. Can be used at any time during the growing season, dry or in solution.

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Your Money is well spent when you advertise in

THE FLORISTS' EXCHANGE

Providence, R. I.

Memorial Day has passed with every florist satisfied, although some have not caught up as yet in the line of bedding plants. Still there is an assurance of getting there sometime soon. The main hindrance has been the weather which, rainy and cool, has kept much stock and cut flowers from coming on the market.

Mr. Bryant, representing the A. H. Hews Pottery Co. of Cambridge, Mass., was in town Thursday calling on trade; he reports business has been very good with them.

Wm. Crompton of East Greenwich reports busy times and is still putting out quite some bedding plants.

Lawrence Hay of E. Providence is bringing in some nice Mme. Saleroi Geraniums, also is doing quite some grading and seeding at Agawam Hunt Club.

Mr. Scott, proprietor of the Westminster Greenhouses, had a large wedding decoration this week. The ceremony took place under a finely decorated arch of Lily of the Valley and Asparagus. The shower bouquet for the bride consisted of Orchids and Lily of the Valley. The seven bridesmaids each carried a basket of Sweet Peas.

Martin Renkauf of H. Bayersdorfer & Co., Phila., was in town this week.

H. C. Neubrand last Sunday attended the annual outing of the Red Men's bowling league at the R. I. Yacht Club, Prudence Island, as guest of Mr. Fred Goff, proprietor of the E. Providence bowling alleys. There were fifteen in the party; all present had a very enjoyable time and the fish and lobster dinner served at the Yacht Club's dining rooms was heartily appreciated.

M. J. Leuch & Sons of Pawtucket are busy with wedding decorations this week; they had a very good business Memorial week.

Macnair reports the past Memorial Day averaged 10 per cent. in advance of the same time last season; Mr. Macnair has one of the best locations for retail trade in Providence.

J. J. Kelley of Valley Falls has recently been elected on the City Council; we wish him success.

Joseph Koppleman & Co., wholesale florists, report Memorial week's business in advance of their Easter trade.

Mary Pollock of S Franklin st. reports good business and excellent trade during Memorial week.

E. R. Seymour of Warren, R. I., reports handling more bedding stock this season than any previous year. Mr. Seymour will do some building this Summer, tearing down some of the old houses and replacing them with new ones of modern design.

Noonan Bros. are still bringing in fine Pansies, Verbenas, Peppers and Tomatoes.

State of the Market

Roses have been in good supply. My Maryland, Killarney, Bridesmaid and Bride ranging from $1 to $10 per 100. Carnations are not plentiful, making from $2 to $4 per 100. Lily of the Valley, $3 to $4. Sweet Peas, 50c. to $1. Asparagus Sprengeri and plumosus, 25c. to 50c per bunch.

L. longiflorum, 5c. to 8c. per bud or bloom. Hardy Ferns, $1.75 per 1000. Fancy Ferns, $1.75 to $2 per 1000. Gladioli are scarce; what few there are command a good price.

Howard W. Almy of Thornton is bringing in some fine English Daisies.

Final Memorial Day Notes

Swan Peterson of East Providence had a busy week and fine trade.

There seems to be a feeling among the retail florists at all holidays that the growers always claim a shortage, cut down the orders, and then, at the last hour, shove the surplus stock on the market at a much lower figure than they concede to their regular customers. This ought not to be the case. We take it this may happen through underestimat-

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The best of all the tobacco dusts for Dusting or Fumigating
25 lbs., $1.00 100 lbs., $ 3.00 1000 lbs., $27.00
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ing their supply, then awakening and finding a surplus. As this condition does not prevail at Christmas, the retailers cannot see why it should Memorial Day or at Easter.

John Burke is bringing in some very fine Roses for Wm. Hay, of Oaklawn, R. I. H. C. N.

Jamesville, N. Y.

Everyone was on the jump at T. M. Miller's place when I called. Business has been and is very good with him. Memorial Day trade is fully up to the average; great difficulty was experienced in filling orders for cut flowers. Although he had a fine cut of Carnations, outside stock was mostly over, and hard to get. The bedding stock is all in good shape. He has about 20,000 Asters, nice stocky plants, for which he finds a ready sale. The show house looked very attractive, with some well-bloomed Hydrangeas. About 10,000 Chrysanthemums are grown, and promise well for Fall and Winter bloom. His seedling Geranium, which I have often mentioned, seems to improve, if that were possible. The trusses are enormous, everyone who sees the variety wants it, and he has been compelled to lock plants up in a house by themselves. I am sure when he exhibits it at the convention at Rochester, all will agree that I have not over-rated it. H. Y.

Pittsburgh, Pa.

Business has been unusually good the past week, for both wholesaler and retailers; despite the fact that Memorial Day is just past.

The retailers all seem busy, and this looks as though it will be a big month for weddings. Large wedding decorations and commencement bouquet orders are helping greatly.

Carnations are coming in pretty heavily and of good quality. Am. Beauty are poor, stems fine, but flowers small.

F. H. Westhoff of DeHaven, Pa., is building several large Rose houses.

P. Demas and family sailed for Greece on the S. S. Athens, June 7. They expect to be gone four or five months. Mr. Demas will spend most of his time in Sparta, Greece, while abroad. He intends to meet our friend, Mr. E. C. Reineman, who left here the latter part of April.

C. H. Puhlman of Carnegie, Pa., had one of his greenhouses badly damaged by an automobile running into it. His houses are situated along a forty-foot street, but in some way the auto got beyond the control of the driver and ran into the greenhouse with great force, putting the house completely out of shape and breaking a lot of glass.

McCallum Co. are receiving some very fine Lily of the Valley, the best coming to Pittsburgh for some time.

J. B. Murdock & Co. report a big cut of fine Carnations from their own plant at Van Emmans, Pa.

Excellent Sweet Peas are being handled by the Pittsburgh Cut Flower Co., also fine Peonies from their Bakerstown establishment.

Gladioli are making their appearance in good quality and the Pittsburgh Florists' Exchange are receiving some fine stock.

Wagon load upon wagon load of bedding plants can be seen at the depots these days from the John Bader establishment at Troy Hill.

De Forest W. Ludwig has returned from an extensive trip East and North through New England. He reports having picked up some very choice novelties and valuable information in regard to the "Posey" business. D. W. L.

Estimates Cheerfully furnished S. JACOBS & SONS Get Our Prices and Catalogue
Established 1871 1365-1379 Flushing Ave. BROOKLYN, N. Y.
Clear Gulf Cypress GREENHOUSE MATERIAL
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Our New VENT APPARATUS Will Lift Easy 100 Feet
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Four men—one day—one bench complete, 150 feet by 4 feet and 6 inches.
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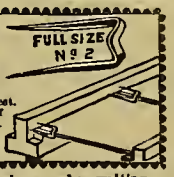
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Dept. 77 Springfield, Mass.
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ALL SIZES
16x24 A. & B. Double a Specialty
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SECOND-HAND PIPE
with couplings, guaranteed to be better than you can get elsewhere:
Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.
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Made in 15 sizes, heating 6,000 to 50,000 sq. ft. glass to 60 degrees at 15 degrees below zero.
Prices and catalogue on application.
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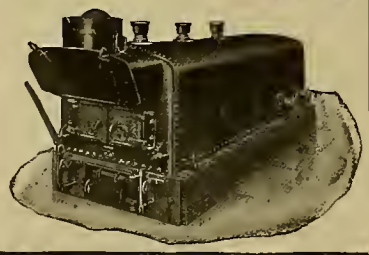

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for any size and style of
GREENHOUSE
for new structure or repairs.
Hot-Bed Sash
in stock or any size required.
Pecky Cypress Benches
most lasting—least expensive.
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Payne "T"-Bar Greenhouses
For Private and Commercial purposes.
Send for Circulars and Estimates.
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Cincinnati

The past week has been quite an improvement over the fore part of its predecessor and stock cleaned up very nicely. American Beauty are coming into this market from the Heller Bros. in fine shape, also from the Grand Rapids Greenhouse Co. We are now in a position to fill orders for American Beauty, on short notice, with good stock for the time of year, Pink Killarney, Carnations, etc.

The commencements of the different high schools used many bunches of flowers, and the surrounding towns this week will do likewise, so that all good stock will be cleaned up nicely. The opening of the Latonia race track, June 6, being Derby Day, there will be a few flowers used over there. E. G. GILLETT.

St. Louis

E. W. Guy of Belleville and Alex Siegel, a local florist, took the Shrine Rank in one of the local Masonic lodges the past week. Mr. Guy says he will take his 32d degree in Masonry in Chicago shortly.

Miss May Burns is now in the employ of the Paris Floral Co., which is run by the Foster Floral Co., at 507 Olive st. Miss Burns is well known in the trade, having been employed by several of the downtown retail florists.

J. F. Ammann of Edwardsville reports that his friends, C. A. Kuehn and Pierre Schnider, paid him a visit on Sunday, June 4, and spent a most enjoyable day with him.

William C. Young, secretary of the C. Young & Sons Co., is visiting all the big plant growers around Chicago and Milwaukee this week. Before leaving, he granted his chief clerk, Miss Frances Kling, a two-months' vacation, which she says she will spend at Atlantic City.

Victor Peterson of Vaughan's Greenhouses, Western Springs, Ill., spent the past week in the city, a guest of A. G. Ellison. Mr. Peterson contemplates making his home in St. Louis in the near future.

John Barnard, who was formerly with the W. C. Smith Wholesale Floral Co. and Grimm & Gorley, is now in the employ of the Bentzen Floral Co. at their Grand ave. store, and John will make them a good storeman.

C. Young & Sons Co. did splendid work in planting at Delmar Garden and the St. Regis, one of the most fashionable apartments in the West End.

The Paris Floral Co. reports a splendid trade since the opening of their new store at Broadway and Olive sts. Fred Foster, Jr., who has charge of their old stand in the Century Bldg., says that trade continues as good as ever.

Shaw's Garden now known as The Missouri Botanical Garden, was opened to the public Sunday, June 4, for the first time this year. The weather was fine and the public took advantage of it. Superintendent H. C. Irish reports that after the close the number of visitors was 17,406. The garden was in splendid shape and a most enjoyable afternoon was spent by those present.

Judge W. J. Vesey and Miss M. Vesey of Fort Wayne, Ind., were in the city June 4 to visit some of the trade here. They were guests of the Misses Meinhardt.

A big delegation of nurserymen from Rochester, N. Y., Alabama and Georgia got in on Monday, June 5, and left with the St. Louis delegation for Denver to attend the 35th Annual Convention of the American Association of Nurserymen. Frank A. Weber of the H. J. Weber & Sons Nursery Co., and J. H. Schwette took charge of them during their short stay. They all left at 12 noon, and they say they will stop at Kansas City and Omaha and take on the delegates of those places. Frank Weber is chairman of the entertainment committee and has $2000 to spend for sports at Denver. Most of the delegates favor St. Louis for holding the 1911 meeting. ST. PATRICK.

THERE is not a house built today, that has the extreme lightness, beauty and practicalness of our U-Bar Curved Eave.

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Greenhouse Material Hot-Bed Sash

of Louisiana Cypress and Washington Red Cedar

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OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT.

Write for Catalogue and Estimate when figuring on your new houses.

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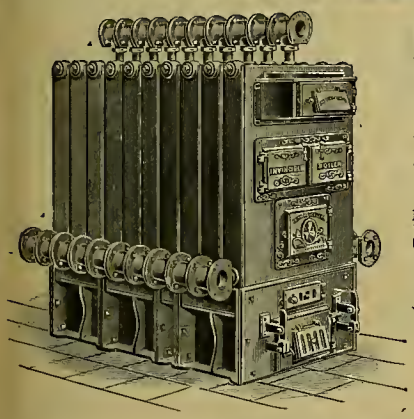

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Indianapolis

Harry Balsley has been with us for some time and is enjoying himself booking orders.

The State Florists' Association of Indiana will hold its monthly meeting Tuesday, June 5. Much important business is scheduled in connection with same.

Albert Kempe, Baur & Smith, the Indianapolis Flower and Plant Co., Bertermann Bros. Co. and Smith & Young, are among the growers offering Peonies in quantity.

The June wedding season so far has been a light one; quite a few are booked for the close of the month but none of them are equal in importance to those of last season.

Hydrangea alba and the best varieties of Cannas are being offered by the department stores; 6c. apiece is asked for the latter.

Charles Vollrath is reported to be in a serious condition. I. B.

Newcastle, Ind.

The sale of a half interest in the Weiland & Olinger greenhouse plant, comprising twenty-one greenhouses east of the city, three retail houses near the Union depot and a retail store in Cincinnati, was announced on June 4.

Peter Weiland, who has had charge of the business, disposed of his interest to his partner, Peter Olinger, of Cincinnati, who is now sole owner. The price was $30,000, and was paid cash.

Mr. Weiland is well known over the country as a florist, and will not permanently quit the business. He has been troubled with rheumatism and will rest for several months, when he will erect a modern range of ten houses on a farm of fifty-seven acres west of the city, which he purchased several years ago of Mahlon Harvey. The site is ideal for such an institution, as coal can be unloaded directly into the furnace room from the Big Four, which adjoins the land. At the plant east of the city there are no railroad facilities, and coal and other supplies have to be hauled by wagons.

Newport, R. I.

Arthur Griffen, formerly gardener for Commodore Elbridge T. Gerry, has bought a place at Woburn, Mass., comprising some 11½ acres, and proposes to take up the cultivation of flowers for the cut flower market. Carnations are to be one of his leading crops. In addition to the glass already on the place several new houses are to be added, including a propagating house. The dwelling house is being put in first-class order for his family, who expect to move there about July 1.

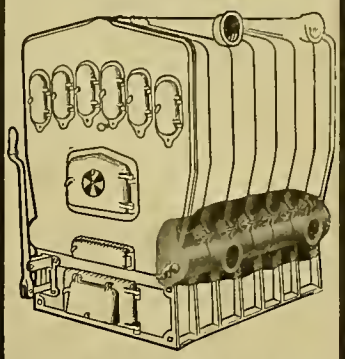
T. Jenkins is now the gardener in charge at the "Breakers," Mrs. Cornelius Vanderbilt's. He has had the disagreeable experience of having to pick up a new set of men as all the men there have gone out on strike.

At several other places there was trouble, but most of the proprietors have either given the rate of wage asked or secured new men.

The Rhode Island Hort. Society propose to make a trip to Newport when on their annual outing, coming on June 24, the day of our Rose and Strawberry Show, which is to be one of the attractions.

Roses and Strawberries are looking well and will be in good season for the show. ALEX. MACLELLAN.

The Burnham



Has short tie bolts for each section—makes erection easy—makes tightening up joints easy—makes repairs easy—makes enlarging easy.

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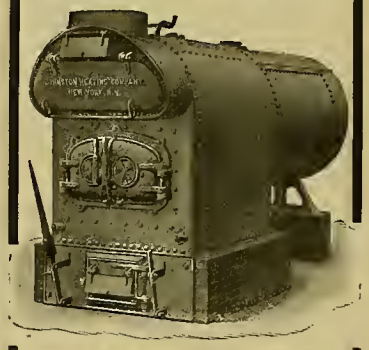

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is far more difficult than making it. Anyone can assert that their material is the best, but to prove it is a different matter. Let us quote you from a letter we received from Mr. Chas. H. Plumb, Detroit, Mich.

"I have Five Greenhouses built with your Cypress Material. It has proved to be all you claimed for it and more, going together without a hitch of any kind. Our business relations have been very pleasant and you will get the next order for material."

Are you as well satisfied as this man? If you want the best we want your order.

Send for our Catalogs:
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SASH, BARS, in all lengths up to 32 feet.
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BY USING
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One cent gets our catalog.
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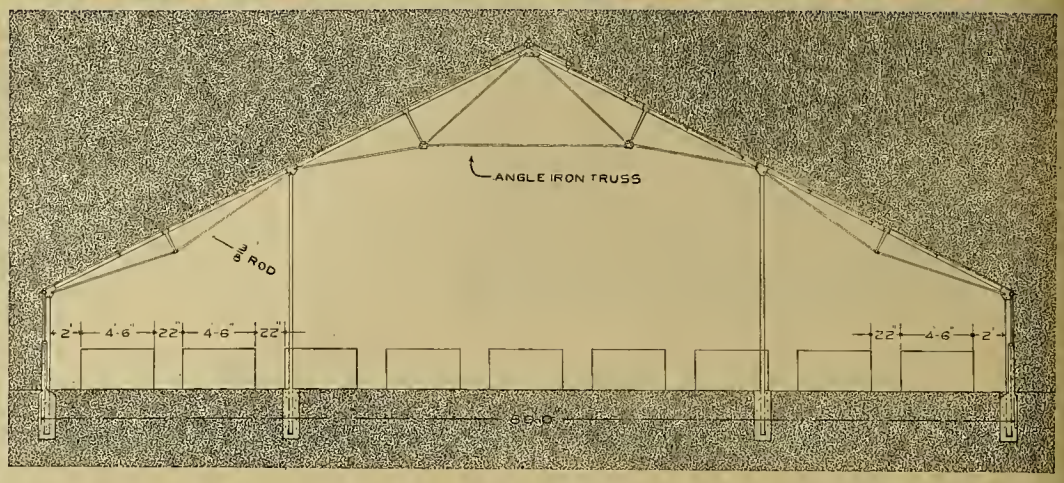

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Here is a safe house because it is made a safe way. A few years ago our first 40 foot Iron Frame house having only two small columns was much the talk. Some of the old gray beards shook their heads and "had their doubts if such a house, 700 feet long, would stand the wind and snow strain."

Since then we have built hundreds of 40 "footers." During the last year we did a lot of hard thinking about how an equally safe house, half as wide again, could be made with the same number of columns. We knew that it was not safe engineering practice to put the strain of that immense roof on the side posts and fittings at the ridge, which was bound to be the case if supported by trusses alone.

We also realized that a series of trusses that were "brought in place" by a nut and thread tension plan, were dangerous, as any sudden unexpected strain might strip the threads, and should this occur on several of the trusses, the roof would be in great danger of collapse. It was evident that to keep watch of these innumerable tension truss rods was out of the question.

Knowing these things we have gone slow—slow but sure, and now here is a house 60 feet wide that is stiffened between the two columns, spaced 29 feet apart, by an angle iron compression truss which is formed by bolting the angle irons directly to the fish plates, and the column and ridge fittings. No trussing between the iron rafters is necessary.

You get nine 4 ft. 6 in. benches; two 24 inch side walks and eight 22 inch walks.

Next week we will show you a section of a house 72 feet wide.

If you want more particulars of this week's house, or can't wait for next week's, write us. Better yet, call at any of our five offices.

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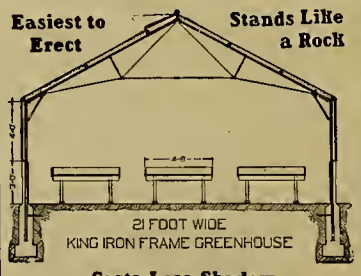
"The **Best Houses** we have and we erected them ourselves **without any trouble.**"—*From one of the well known growers in Jersey.*

Easiest to Erect — **Stands Like a Rock**



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"Ask the Man Who Has One"

John Young Co., New York City, 54 by 561.
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John N. May, Summit, N. J., Whole Range, 5 houses, 28 by 225.
E. W. Fengar, Irvington, N. J., 3 houses, 28 by 150.
G. F. Neipp, Chatham, N. J., 42 by 300.
C. E. Meehan, Holland, Pa., 50 by 300.
Florex Gardens, North Wales, 172 by 700.
John W. Young, Germantown, Pa., 2 houses, 35 by 300.

WHY NOT YOU?

KING CONSTRUCTION CO., NORTH TONAWANDA, N. Y.

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The Florists' Supply House of America

Thanking our many patrons for the largest volume of Memorial Day trade that we ever had; we will at the same time remind them that **June Weddings, School and College Commencements** are close at hand. We have every requisite for such occasions, and the variety and quality of our supplies is unexcelled. **Fancy Flower Baskets, Fancy Lace Bouquet Papers, Chiffon in all Flower Colors, Wedding Gates, Kneeling Stools, etc.**

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ROUND TILE

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CONVENTIONS REPORTED { AMERICAN SOCIETY OF NURSERYMEN AT DENVER, COLO.
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THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

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Bostoniensis. We have a splendid lot of large specimen plants in 12-in. pots, at from **$5.00** to **$7.50** each; 6-in. at **50c.** each.

Elegantissima Improved. The finest of this type, never reverting to the Boston type. Fine plants, 2¼-in. pots, **$10.00** per 100; 4-in., **25c.** each; 6-in., **50c.** each; 8-in., **$1.00** each.

Superbissima. Extra heavy plants, 4-in. pots, **25c.** each; 6-in., **50c.** each; 8-in., **$1.00** each.

BEDDING STOCK

	Per 100
ABUTILON Savitzi, 2¼-in. pots	$4.00
ACALYPHA Musaica, 2¼-in. pots	6.00
AGERATUM, three sorts, 2¼-in. pots	3.00
ALTERNANTHERAS, three sorts, 2¼-in. pots	3.00
ALYSSUM, SWEET, 2¼-in. pots	3.00
ASTERS, assorted, 2¼-in. pots	3.00
CANNAS, finest sorts—**Beaute de Poitevine, Buttercup, Souv. d'Antoine Crozy, Pierson's Premier**, and **Florence Vaughan**, strong plants, 3½-in. pots	6.00
COBEA Scandens, 2¼-in. pots	4.00
COLEUS, Golden Bedder, Verschaffeltii and asorted, 2¼-in. pots	3.00
CROTONS, assorted, 3½-in. pots	25.00
GERANIUMS, Dbl. assorted and Rose, 3½-in. pots	8.00
GERANIUMS, Mme. Salleroi, 2¼-in. pots	5.00
HELIOTROPE, 2¼-in. pots	3.00
MOONFLOWER, 2¼-in. pots	4.00
NASTURTIUMS, assorted, fine, 3-in. pots	4.00
PETUNIAS, 2¼-in. pots	4.00
SALVIA Splendens, 2¼-in. pots	3.00
VINCA variegata, 3½-in. pots	8.00
HYDRANGEA Otaksa, 4-in. pots, in bud and bloom, one bloom per plant, **$1.50** per dozen.	
EGG PLANTS, New York Improved	4.00

F. R. PIERSON CO.

Tarrytown-on-Hudson **NEW YORK**

Please mention the Exchange when writing.

A. N. PIERSON, Inc. Cromwell, Conn.

BEGONIA GLOIRE DE LORRAINE

2¼-inch pots, $15.00 per 100.

GARDENIAS

3-inch pots, $15.00 per 100; 4-inch pots, $25.00 per 100.

POINSETTIAS

2¼-inch pots, $8.00 per 100, $75.00 per 1000.

COLEUS

Golden Bedder, Golden Queen, Verschaffeltii, Queen Victoria, Fire Brand and Beckwith's Gem, 2¼-inch pots, $2.50 per 100; $20.00 per 1000.

HELIOTROPE AGERATUM SALVIA ALTERNANTHERA, red and yellow 2¼-inch pots, $2.50 per 100; $20.00 per 1000.

OWN ROOT STOCK

150 **Kaiserin,** 2¼-inch pots, at $45.00 per 1000. 750 **Ivory,** 2¼-inch pots, at $45.00 per 1000. 250 **'Maids,** 3-inch pots, at $50.00 per 1000.

We offer **Killarney** and **Richmond,** 2-year-old plants in 6-inch pots, at $25.00 per 100, excellent for outdoor use. **Killarney** from benches, 2 years old, at $10.00 per 100; $90.00 per 1,000.

CHRYSANTHEMUMS

From sand and from pots in quantity

Please mention the Exchange when writing.

FOR SUMMER BLOOM PLANT AT ONCE

KAISERIN AUGUSTA VICTORIA

We have a fine stock of large plants, as large as ordinary 4 inch plants, at $40.00 per 1000. Order at once, as they will soon be gone.

Also have **Bon Silene, Bride, Rhea Reid, Safrano, My Maryland** and **White Killarney.**

W. H. ELLIOTT

BRIGHTON, MASS.

Please mention the Exchange when writing.

GERANIUMS

IT is now about time that the Spring stock should be disposed of, and you were thinking about buying new stock of Geraniums to plant out, or placing you order for 2-inch stock to be delivered next Fall or Winter; in either case we are ready to talk business. **IT IS A WELL KNOWN FACT THAT WE ARE HEADQUARTERS, AND HAVE THE MOST COMPLETE COLLECTION IN THE COUNTRY.** Good standard sorts at $2.00 per 100, $18.50 per 1000; up to 50 cents each for Newer Varieties and Novelties. We offer a collection of one plant each of 50 kinds made up from the 1908-1909 European Novelties for $5.00.

Ageratum, Cineraria Maritima Candidissima, Centaura Gymnocarpa, Coleus, Verbenas, Heliotrope, Fuchsias, Lemon Verbenas, Verbenas, Salvia, Swainsona Alba, 2-inch $2.00 per 100; 3-inch $3.00 per 100. **Alternantheras,** 2-inch $2.00 per 100.

Special Prices on Large Lots

CANNAS, 3-inch, fine stock, $3.00 per 100, $25.00 per 1000.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

Please mention the Exchange when writing.

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RUSTIC HANGING BASKETS

12 Inch .....Each $1.25 Per doz. $13.00
14 inch ..... " 1.50 " 16.00

BAMBOO CANES 6-8 feet $7 00 per 1000
TOBACCO DUST $2.00 per 100 lbs.
THOMSON'S SPECIAL CHRYSANTHEMUM MANURE $6.00 per bag of 56 lbs.
SCOTCH SOOT $3.50 per 100 lbs.
CLAY'S FERTILIZER $3.75 per bag of 56 lbs.
NITRATE OF SODA $4.00 per 100 lb. bag
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WM. ELLIOTT & SONS
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'Sparagus Seeds, Etc.
FOR IMMEDIATE DELIVERY

ASPARAGUS

ASPARAGUS plumosus nanus. True greenhouse-grown. 60c. per 100 seeds, $1.20 for 250 seeds, $4.00 per 1000 seeds.

plumosus nanus. California-grown. 50c. per 100 seeds, 75c. for 250 seeds, $2.00 per 1000 seeds.

Sprengeri, 25c. for 250 seeds, 75c. per 1000 seeds, $3.00 for 5000 seeds.

DRACAENA australis. Broad foliage. $1.00 per 1000 seeds, 15c. per 100 seeds.
Indivisa. Long slender leaves. ¼ lb. $1.00, pkt. 10c., oz. 30c.

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	Per 100	1000	10,000
Kentia Belmoreana	$0.50	$4.00	$37.50
Cocos Weddelliana	1.00	7.50	70.00
Areca lutescene	1.00	7.50	70.00
Latania Borbonica	.30	2.50	20.00
Phoenix Canariensis	.30	3.00	27.50
Musa Ensete	1.00	7.50	

PRICES UPON LARGER QUANTITIES UPON APPLICATION

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., N. Y. City

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June is the Best Time to Sow Cinerarias

RAWSON'S BEAUTY CINERARIAS

BOTH TALL AND DWARF, EVERY PLANT A PRIZE WINNER.
Trade Package $1.00

W. W. RAWSON & CO., Seedsmen
5 UNION STREET, BOSTON, MASS.

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CALLAS

Free from disease, carefully selected, sand grown bulbs.
We have the best lot of Callas grown in California this year
Write for prices

MacRORIE-McLAREN CO.
721 Crocker Building, San Francisco, California

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We must ask you to discontinue our advertisement in the Exchange, as we are all sold out.
Address of this Advertiser on application.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

FERTILIZERS

Nitrate of Soda 5 lbs. 25c., 50 lbs. $2.25, 100 lbs. $4.00, ton (2000 lbs.) $65.00.

Blood Fertilizer Fourteen per cent. ammonia. Excellent for carnations. 10 lbs. 60c., 50 lbs. $2.50, 100 lbs. $4.00.

Clay's Celebrated Fertilizer On account of the high reputation which this fertilizer has in England, and as we have had many inquiries for it by gardeners here, we have imported some from Messrs. Clay & Son, which we offer at the following prices. It is undoubtedly one of the best manures for all horticultural purposes, either in greenhouse or garden, and we believe its high reputation is well deserved. It is productive and lasting, and notwithstanding its apparently high price, it is quite economical. Prices, in bags, 1 cwt. (112 lbs.) $5.50, ½ cwt. (56 lbs.) $3.25, ¼ cwt. (28 lbs.) $1.75, ⅛ cwt. (14 lbs.) $1.00.

General Use Bone This bone is ground to about pinhead size, with a fair percentage of flour bone, and, where a high grade bone for immediate and continuous use is wanted, would advise using this grade. 50 lbs. $1.50, 100 lbs. $2.50, ton $40.00.

Stumpp & Walter Co 50 Barclay St. NEW YORK

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PRIMROSE SEED
IMPROVED CHINESE

Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 500 seeds, $1.00; 1000 seeds, $1.50; half pkt., 50c. Have the varieties separate, also.
PRIMULA OBCONICA GRANDIFLORA, Finest New Giants Mixed, 1500 seeds, 50c.
PRIMULA Kewensis, the grand, new, sweet-scented, Yellow Primrose, pkt. 25c.
CALCEOLARIA, Dwarf Giant Flowering, Spotted and Blotched, Extra Choice, trade packet, 50c.

CINERARIA Finest large-flowering dwarf, mixed, 1000 seeds, 50c.

GIANT PANSY The best large flowering varieties, critically selected. 5000 seeds, $1.00; half pkt., 50c.; oz., $2.50. 500 seeds of Giant Mme. Perret Pansy Seed added to every $1.00 pkt.

CASH. Liberal extra count.
We can please you.

JOHN F. RUPP, SHIREMANSTOWN, PA.
RUPPTON: The Home of Primroses

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Import Orders
FRENCH AND DUTCH BULBS

Paper White Narcissus
Roman Hyacinths
Dutch Hyacinths
Tulips and Narcissus

Let Me Figure on Your Wants

CYCAS STEMS
Assorted Sizes—Fresh
25 lb lots at 8c. a lb., 100 lb. at 7½c.

STOKES' SEED STORE
219 Market St., PHILADELPHIA, PA.

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Try The Following

CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
STOCKS—"Burnett's Perpetual White.
CAULIFLOWER—Burnett's Selected "Snowball."
BURNETT'S LIBERTY TOMATO
Write for our Illustrated Catalogue

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

Please mention the Exchange when writing.

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W. C. Beckert
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PITTSBURGH, PA., (North Side)

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WINTER FLOWERING SWEET PEAS

ALL COLORS
SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

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CAULIFLOWER SEED
CABBAGE SEED

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

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Prices Advertised in these Columns are for THE TRADE ONLY

Johnson's Kingly Prize Winner Pansies

BETTER THAN EVER. 1000 Seeds, 30c.; 2000 Seeds, 50c.; 5000 Seeds, $1.00; Per Oz., $5.00

This **Matchless Strain** is the product of the leading English, French and German Pansy Specialists and absolutely unexcelled in size, form, texture and wide range of rich colors and markings.

Quotations cheerfully given on High Grade French and Dutch Bulbs. Kindly send in your list of Bulbs and **let us get better acquainted.**

JOHNSON SEED CO., 217 Market St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

SEASONABLE SEEDS

CALADIUM esculentum, Fancy Caladiums from Brazil.
GLADIOLI, all sorts. **Japan IRIS. Japan LILIES.**
Double-flowering **CHERRIES.**

Send for our new Spring list.

H. H. BERGER & CO.
70 Warren St., New York City

Please mention the Exchange when writing.

RUSH ORDERS

Flower Seeds, Market Garden and Field Seeds, all kinds of Tender and Hardy Plants, Tuberoses, Dahlias, Gladioli, Small Fruits.

RUSH ORDERS

JAMES VICK'S SONS
ROCHESTER, N. Y.

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FRESH MUSHROOM SPAWN

ENGLISH AND AMERICAN

VAUGHAN'S SEED STORE

CHICAGO 84 Randolph Street — **NEW YORK** 25 Barclay Street

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Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C. Trade Mark **American Spawn Co., St. Paul, Minn.**

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HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Seasonable Seeds for the Florists

H. E. FISKE SEED CO., Boston, Mass.

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SCHLEGEL & FOTTLER CO

BOSTON, MASS.

SEEDS

For Florists, Market Gardeners and Critical Buyers

Wholesale list mailed to those using seeds in quantity

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L. DÆHNFELDT, Odense, Denmark

MOST IMPORTANT SEED-GROWER IN SCANDINAVIA (5000 ACRES)
Established 1850

MY SPECIALTIES FOR EXPORT ARE

DWARF ERFURT CAULIFLOWER and DANISH BALLHEAD CABBAGE

Send me, for delivery after harvest, a trial order; and you will in future constantly be my customer. Quotations and catalogues sent on application.

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MICHELL'S SEEDS GIVE RESULTS

1018 & 518 MARKET STREET.
PHILADELPHIA, PA.

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S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers

BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn

Correspondence Solicited.

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ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

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FRANCE

I expect to go to France soon. What have you for sale, or what have you to buy? Or, if you want to come with me, I shall be your interpreter.

BEAULIEU, WOODHAVEN, N. Y.

Please mention the Exchange when writing.

CINERARIAS—W. & D.'s Extra Selected Compact and Semi-Dwarf Prize Varieties.

Choice Mixed, Trade pkt. $1.00. If you want something extra choice, give this strain a trial; it cannot be excelled.

WEEBER & DON
SEEDSMEN and GROWERS
114 Chambers Street **NEW YORK**

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Bridgeman's Seed Warehouse

RICKARDS BROS., Props.
Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy **NEW YORK CITY**

Please mention the Exchange when writing.

HIGH GRADE SEEDS

	Per Oz.	Trade Pkt
Hollyhock, Allegheny, mixed	$0.50	$0.10
Hollyhock, Charters, sep. colors or mixed	.60	.10
Hollyhock, Everblooming, New Strain	.50	.10
Primrose, Chinese, Prize Strain.		.25
Cineraria, Sutton's Prize Strain..		.25
Mignonette, Imperial Strain, greenhouse grown	3.00	.25
Pansy Giant, the best of all....	3.00	.25
Calceolaria, Dwarf Giant		.25
Stocks, Beauty of Nice, etc.		.25

IMPERIAL SEED & PLANT CO., Grange, BALTIMORE, MD.

Please mention the Exchange when writing.

AMERICAN SEED TRADE ASSOCIATION

President, J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard H. Vaughan, Chicago. **28th Annual Convention at Atlantic City, N. J., June 21, 22 and 23.**

IMPORTS, ETC.—June 6.—D. Crosby & Co., 30 bags garden seed; F. B. Vandegrift & Co., 15 bags garden seed. June 7.—F. B. Vandegrift & Co., 6 cases plants.

American Seed Trade Association

Seedsmen and others interested are reminded that the 28th annual convention of this organization takes place at Atlantic City, N. J., from June 21 to 23. The headquarters will be Hotel Strand. It is expected that this convention will prove of more than ordinary interest; a fine series of papers have been prepared through the efforts of the Executive Committee. On Friday, June 24, there will be a reception to the members of the Am. Seed Trade Ass'n and their families at W. A. Burpee & Co.'s establishment at Fordhook Farms, Doylestown, Pa. Mr. Burpee and Mr. Earl will have returned from their trip to California in time to be present at this function; it is an event none should miss.

European Notes

"The "Merry Month of May" has preserved its fickle character throughout, and on the eve of June we appear to be as far off as ever from Summer.

Some belated correspondence from northern Italy informs us that during the past ten days there have been heavy falls of snow on the plains of Lombardy, but now Nature has resumed her normal course, and, with warmer nights, all may yet be well.

The cultures that most concern us in that part of Europe are the red and white Bisagno Onions, so highly esteemed by the northern gardeners. For purity of strain and reliability they are not to be equaled, but as the land where they can be grown to the greatest perfection is so very limited, on account of the proximity of the mountains, and proportionately valuable, the price at which they can be grown is too high for the majority of trade dealers; but once they have been grown, they will always be asked for. At present they are doing badly.

Of the making of new Radishes there appears to be no end, and very little profit. One of the most reliable seed growers in the neighborhood of Paris has introduced a new form of the French Breakfast type, named "Pernot," a name possessed of very mixed associations. It is almost square, like a blunt-ended Golden Tankard Mangel; the color is

WARD'S LILY BULBS

"NOT HOW CHEAP— BUT HOW GOOD"

RALPH M. WARD & CO.
12 West Broadway—New York

Please mention the Exchange when writing.

Thorburn's Bulbs

We Are Booking Orders Now For Harrisii, Formosum, and other Japan Lilies; also for Roman Hyacinths and Paper White Narcissus.

French Grown Pansy Seed

at reduced prices.

	Per ounce
Snow Queen	$0.75
Orchid-flowered	1.00
Masterpiece	1.00
Fire King	.60
Emperor William	.60
Fairy Queen	.50
Peacock	.60
Bugnot	1.50
Yellow Trimardeau	.75
White Trimardeau	.75

By mail on receipt of remittance. Not less than an ounce sold at ounce rates.

J. M. THORBURN & CO.
Seedsmen
33 Barclay Street, NEW YORK

Please mention the Exchange when writing.

"BUDS"

76 Barclay St, NEW YORK

Important to Florists:

New crop of High Grade Flower Seeds just arrived, (especially selected for Florists' use).

CARL R. GLOECKNER, Pres.

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

NEW CROP—GREENHOUSE GROWN

100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catalog free on application

THE MOORE SEED CO., 889 Market Street PHILADELPHIA, PA

Please mention the Exchange when writing.

Please stop my advertisement in your paper, my stock is all sold * * * * I have had more orders than I could fill.

Address of this Advertiser on application.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

Gladiolus Clearance

Gladiolus planted now will produce a late crop of blooms when the other fellow hasn't any. We offer till sold the following in sound dormant condition.

	100	1000
2300 Brenchleyensis	$0.75	$5.00
600 Shakespeare	3.00	
3000 Groff's Hybrids	1.00	7.50
4000 White and Light	1.00	7.50

250 AT 1000 RATES.

ARTHUR T. BODDINGTON, SEEDSMAN, 342 West 14th Street, New York City.

Please mention the Exchange when writing.

Purchase Direct from French Grower Without Passing Through Dealer's Hands

HYACINTHS, Roman White, etc.
NARCISSUS, Grandiflora Paper White Trumpet Major, etc.
Freesia Refracta Alba, etc.

SOLEILLET, Horticulturist, Toulon, France

Please mention the Exchange when writing.

FRENCH AND DUTCH BULBS

Send me your lists for quotations.

C. McTAGGART
Seedsman and Florist
123 Warren St. (Near West St.)
NEW YORK
Telephone, 2019 Cortlandt

Please mention the Exchange when writing.

Peacock's PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON
ATCO, N. J.

Please mention the Exchange when writing.

BURPEE'S SEEDS
PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

identical with Cooper's Sparkler; the white tip is sufficiently pronounced to satisfy the most fastidious modern taste. But it must be used on the day it is ready to pull or it is of no service. Where market gardeners are in the habit of supplying hotels and other large establishments direct it will prove a decided acquisition.

As regards Radishes in general, the recent rains have started the newly transplanted roots in very good style.

EUROPEAN SEEDS.

American Notes

Business Begins to Slacken

The past week has seen business fall off considerably with the seedsmen; but little else could be expected, considering the almost continual cloudy and rainy weather we have had. It is really, remarkable how well the retail counter trade has kept on and on this season. The wholesale dealers are still receiving a few filling-in seed orders, but most of their business, of course, now is with reference to next year's needs. The usual demand for seeds for the various late plantings will come with better weather, and it certainly does now seem as if some seasonable growing conditions were due. Sales of bedding plants are yet continuing, and especially during the past fortnight have very large amounts of all kinds of bedding stock been disposed of, and at most profitable prices for the growers, by the auction companies in all the larger cities. Seed Potatoes are still in considerable demand, but good samples are now very difficult to obtain; it has been a most satisfactory season of sales in this line, even considering the reduced prices obtained, as compared with last year. The demand for Muskmelon, Squash, and in fact all seasonable vine seeds, has been urgent the last few days. Turnip and Ruta-baga seeds are also in increasing request. Seeds for fodder crops, such as Hungarian and German Millets, Sweet Fodder Corn, Ensilage Corn in the many varieties, etc., are all selling very briskly. Another week will see Freesia bulbs, and it will not be long before Harrisii Lily bulbs are ready also. Speaking of bulbs, it is very encouraging to note how enthusiastic, without exception, the seedsmen all are over the bright prospects for a much better season than for several years in both French and Dutch bulbs. Such, very briefly, is the condition of affairs in the seed trade as the week ends—a good demand for everything seasonable, and a most encouraging outlook for a satisfactory Fall season.

Muskmelons

The demand for Muskmelon (Cantaloupe) seed, in a retail way, is always most excellent during June. As required for other tender vine seeds, the ground must be warm and dry before plantings begin. It is quite a difficult matter for the dealer to decide upon how many and what varieties he shall carry in stock, for the reason that the list of sorts is a very long one, and every sort has its good points. But, as advised with other vegetable seeds, confine the selections for regular stock to a few varieties which are most popular in your locality, and purchase from the wholesale seedsman the seldom wanted kinds as needed. In Muskmelons, there are those with green flesh and those with red or salmon-colored flesh; you will need two or three of the best varieties of each division for your regular seed stock. In the green-fleshed varieties, the well-known and most popular Rocky Ford will find many purchasers; the Extra-Early Hackensack is another good one, and so is the Long Island Beauty. In the red or salmon-fleshed sorts, the Emerald Gem is a very superior variety, in fact, it is considered by many seedsmen to be the finest Melon grown. The Miller's Cream is another good one, and so is the Osage Gem. As already mentioned, there are a great many varieties, but two or three kinds of merit that are popular in the locality where they are to be sold will satisfy most customers.

The Coming Vacations

The seed selling season just about to end has been an unusually hard one; the long days with evening work added, which this year lasted many weeks longer than customary, have had a most depressing effect; and if ever both employers and employees alike have faithfully earned and certainly deserve as substantial vacations as can be arranged, they do this year. The Saturday half-holidays, which with a large part of the trade have already begun, are giving many a much needed rest. These end of the week recreations, together with the annual vacations of two weeks, which also have already commenced, will give new vim to all, and return us to work with renewed strength to take up the business of the soon opening season of bulb selling, which from present indications will be an unusually active one. V.

French Bulb Deliveries Retarded

The employees of the French Southern Railways are striking, a very bad prospect, indeed, for the American florists and seedsmen who want their Roman Hyacinths, Paperwhite Narcissus, etc., so very early. I think, unless circumstances change, that many a French exporter will get into difficulties with his customers on deliveries. J. BEUMER.

Holland Bulb Notes

The growers are lifting the early Tulips, a bad crop indeed. About the later kinds I can tell you that Mou Trésor, Keizerskroon, La Reine, Cottage Maid, Rose Gris de Lin, etc., will produce some 30 or 40 per cent. less than last year.

Hyacinths will be small; they die down too early with this high temperature, and cannot grow up to the standard, but I can say beforehand that they are in the very best condition for forcing next season. We know that when the Hyacinths are ripening with dry, warm weather, we can and may expect the best forcing results, that is to say, the flowers will be up to the general size and very easily forced.

It is a sad sight to look at Narcissus Double von Sion or Golden Spur. They were too early infected by "fire" and the foliage was quite destroyed. The only damage is that the bulbs cannot reach the average size, but it does not make the forcing results less than other years. The bulbs die down and go to their rest very early but will force no less than any other season.

Crocuses are good but dear. Gladiolus promises more than Spiræas.

J. BEUMER.

Iowa Seed Dealers' Association

The fourth annual meeting of the Iowa Seed Dealers' Association was held at Des Moines, on Thursday, June 9, at the Chamberlain Hotel.

The following firms were represented: N. J. Burke & Son, Burlington; Ottumwa

COW PEAS

All Varieties in Any Quantity, from a bushel to car lots.

J. BOLGIANO & SON
BALTIMORE, MD.

Please mention the Exchange when writing.

Gladioli

Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck and Pactole.

LILIES, IRIS, CINNAMON VINES and other bulbs for Spring planting.

Send for prices.

E. S. MILLER
WADING RIVER, LONG ISLAND, N. Y.

Please mention the Exchange when writing.

HEADQUARTERS FOR GLADIOLI and Other Bulbs

JOHN LEWIS CHILDS
FLORAL PARK, N. Y.

Please mention the Exchange when writing.

Pansy Seed NEW CROP NOW READY

The Jennings Strain, my own growing, saved only from the finest selected flowers. This strain is 50 per cent. better this season, as I have added many new and beautiful varieties, and am certain it will prove highly satisfactory.

Finest Mixed, $1.00 per package of 4000 seeds, $2.50 per ½ oz., $5.00 per oz., $9.00 per 2 oz., $12.00 per 3 oz.

Andromeda, new Apple blossom color, veined lilac and lavender, $1.00 per pkt. of 3000 seeds, $6.00 per oz., $3.00 per ½ oz.

Lord Beaconsfield, $2.00 per oz., $1.00 per ½ oz., ½ pkt. 50c.

I have several thousand small Pansy plants, just commencing to bloom, fine for all Summer blooming, $1.25 per 100; sample blooms send for 10c. Cash with order.

E. B. JENNINGS
Lock Box 254 SOUTHPORT, CONN.
Grower of the Finest Pansies

Please mention the Exchange when writing.

ROEMER'S SUPERB PRIZE PANSIES

The finest strain of Pansies in the World. Introducer and Grower of all the Leading Novelties. Highest Award, at Mannheim 1907. Catalogue free on application.

FREDRICK ROEMER
Quedlinburg, Germany.

Please mention the Exchange when writing.

WE PRINT CATALOGUES

Estimates Cheerfully Furnished

We feel that you cannot but agree with us when we make the statement that our firm, as Expert Horticultural Printers, with many years of experience behind them, and with all the best and latest facilities for this class of printing, are in a position to produce for you a catalogue that will be far superior to any that could be turned out by a firm not making this work a specialty. In these days the best printed, best illustrated and generally best looking catalogue is the one that purchasers examine the most closely; therefore it stands to reason that to have as much chance of making sales as any of your competitors your catalogue or printed matter must be fully uptodate.

In conclusion, we feel that our prices are as low as any when quality and results, and the free use of our illustrations are taken into consideration.

A. T. De La Mare Ptg. & Pub. Co.
Nos. 2 to 8 Duane Street, NEW YORK
Proprietors The Florists' Exchange
P. O. Box 1697 N. Y.

Aster Plants

Semple's Branching and Queen of the Market, fine plants from field, $1.75 per 1000.

GERANIUMS, HELIOTROPES and SCARLET SAGE, in bloom, out of 4-in. pots, $4.00 per 100.

ALYSSUM, VERBENAS, DUSTY MILLER, PHLOX, PRIMULA Obconica, 2½-in., $2.00 per 100; 300 for $5.00.

CABBAGE and TOMATOES, all kinds, $1.00 per 1000, $3.00 per 10,000.

PEPPERS, SWEET POTATOES and BRUSSELS SPROUTS, $1.50 per 1000.

CAULIFLOWER, Early Snowball, $2.50 per 1000.

J. C. SCHMIDT
BRISTOL, PA.

Please mention the Exchange when writing.

ASTERS $2.50 per 1000

In the following varieties: Semple's, Vick's Crego, Market White and Comet.

COLEUS, 2-in., $1.50 per 100.
DUSTY MILLER, 2-in., $1.50 per 100.
FEVERFEW, 2-in., $2.00 per 100.
CUPHEA, 2-in., $1.50 per 100.

Rooted Cuttings, prepaid per 100: Cuphea, 75c.; Coleus, 10 kinds, 60c.; Alternanthera, Rosea, P. Major, 50c. per 100, $4.50 per 1000; Ageratum, 3 kinds, 60c.; Stevia, 75c.; Dbl. Petunias, 10 kinds, $1.00.
HELIOTROPE, 2-in., $1.50 per 100.
MAURANDYA and THUNBERGIA, 2-in., $1.50 per 100.
JERUSALEM CHERRIES, 2-in., $1.50 per 100; Seedlings, 60c. per 100.
ZINNIA, Firehall, 2-in., $1.25 per 100.
MARIGOLD, El Dorado, 2-in., $1.25 per 100.

Cash with order.

BYER BROS., Chambersburg, Pa.

Please mention the Exchange when writing.

ASTER PLANTS Wonder. Not a new untried Aster, but proven much the earliest of all. Very large, fluffy, well filled blooms, on long stems. Two kinds, a pure white and clear pink. Large strong rooted, field plants, 300 for $1.00 by express. Late Branching in five leading colors separate, and Ostrich Feather in best colors mixed, 500 for $1.00. For larger lots and prices please write now.

DANIEL K. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

FLORISTS' ASTERS

Field-grown—Separate colors

CREGO, White, Shell-Pink and Rose.
SEMPLE'S, Purple and Lavender.
$2.50 per 1000 by express;
60c. per 100 by mail.

Cash with order.

A. & G. ROSBACH, Pemberton, N. J.

Please mention the Exchange when writing.

Cabbage Plants

All-Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ball-Head, at 20 cents per 100, $1.00 per 1000; 10,000 and over at 85 cents per 1000.

Egg Plants

Black Beauty and New York Improved, 40 cents per 100, $2.00 per 1000.

Pepper Plants

Bull Nose, Ruby King, and Sweet Mountain, 40 cents per 100, $2.00 per 1000.

Cash with order.

R. VINCENT, Jr. & SONS CO.
WHITE MARSH, MD.

Please mention the Exchange when writing.

Sweet Potato Plants

A large stock of Sweet Potato Plants now ready. YELLOW NANSEMOND, BIG STEM JERSEY, and EARLY GOLDEN, 1000, $1.25; 10,000, $10.00.

H. AUSTIN CO.
FELTON, DELAWARE

Please mention the Exchange when writing.

OUR advertisements have brought us excellent results, far better than we expected; we will have more advertisements in about two weeks.

Address of this Advertiser on application.

Seed Co., Ottumwa; Conger-Ball Co., Sac City; Summers Seed House, Malvern; Shugart-Ouren Co., Council Bluffs; Adams Seed Co., Decorah; Sioux City Seed and Nursery Co., Sioux City; Mel. Webster Co., Independence; Younkerman Seed Co., Council Bluffs; Hoberger Seed Co., Des Moines; J. W. Ratekin & Co., Shenandoah; Cole Seed House, Pella; A. C. Croft Seed Co., Moulton; A. A. Berry Seed Co., Clarinda; M. Young & Co., Winterset; Henry Field Seed Co., Shenandoah; F. J. Olsen, Ames; W. H. Brown, Mitchelville; all from the State of Iowa.

An executive session was held in the morning and evening and the afternoon session was an open one. Addresses were made by Prof. Atchison of the "Iowa Homestead"; Henry Wallace of the "Wallace Farmer"; W. B. Barney, Iowa State Food Commissioner; Prof. L. H. Pamel, State Botanist; H. W. Graham of the "20th Century Farmer"; L. R. Campbell, Seed Analyst of Iowa College, representing American Steel Co., and members of the Association.

The meeting was one of the best that has been held in the history of the Association. The new State Commissioner, Mr. Barney, is a man of broad mind and thoroughly conversant with the Iowa Seed Law and its relation to both dealers and users. Prof. Pamel has in mind several changes in the law which he will bring to the attention of the Legislature the coming Winter.

At the conclusion of the last session a banquet was given by the Iowa Seed Co. to the visitors.

C. N. Page, president of the Iowa Seed Company of Des Moines was elected president for the fourth successive term. Other officers were also re-elected. They are as follows: Henry Field of Shenandoah, vice-president; John T. Hamilton of Cedar Rapids, treasurer; B. H. Adams of Decorah, secretary.

The meeting next year will again be held at Des Moines on the second Tuesday in June.

B. H. ADAMS, Secy.

Lompoc, Cal.

Writing from the ranch here recently purchased by W. A. Burpee & Co., and which has been named "Floradale," Mr. Burpee expresses himself as extremely well pleased with the investment. Luther Burbank, who was traveling in company with Mr. Burpee, said of Floradale that he would give $1000 an acre for such soil.

Mr. Burpee reports that while in certain sections the hot weather has curtailed the Sweet Pea crops to some extent, in general the yield will be fair, but nowhere else in California, however, has he seen such splendid growths and such large blooms on the vines as in the Lompoc Valley. Lompoc means "Little Hills."

Mr. Burpee confirms the recent statement in the daily press of the purchase of two novelties from Luther Burbank (bought a year ago, however), and states these are behaving so well on the trial grounds at Lompoc that his firm will feature both of them for 1911. One is a Poppy; the other a Primrose.

As an instance of seed growing in California, Mr. Burbank relates that in the Lompoc Valley alone there are 3000 acres planted to Kentucky Wonder Beans.

New York Seed Trade

It is a relief to at last have some sunny weather. How long it will continue cannot be said. Let us hope it has come to stay. With the good weather, trade at once shows an improvement in all seasonable lines with the seedsmen. Every day that passes now brings us nearer and nearer to the first bulb arrivals. It will only be a few days before Freesias will be ready and then the Harrisii Lilies. Prospects for a very satisfactory bulb season for so early are especially good.

Present indications point to a larger attendance of the trade than usual at the annual convention of seedsmen at Atlantic City, N. J., next week.

Stumpp & Walter Co. have had, for a number of days, the new Strawberry, Chesapeake, on exhibition at the Barclay st. store. The fruit is of good size, pear-shaped and medium season in ripening. The house is booking orders for potted plants at $1 per dozen and $6 per 100.

Vaughan's Seed Store has offered a special prize of $5, to be awarded at the outing of the New York Florists' Club on June 28, for the largest family in attendance.

Speaking of the outing of the New York Florists' Club, it is pleasing to note that the seed trade will be well represented this year.

Albert Protin, with J. M. Thorburn & Co., has been in Cleveland, O., for a week.

The Stumpp & Walter Co. has had on exhibition during the past few days a magnificent pair of Egyptian Flamingos. These most ornamental birds have attracted great attention.

Wm. M. Hunt, with Arthur T. Boddington, represented his house at the Glen Cove, L. I., horticultural exhibition last week. Mr. Hunt expresses himself as particularly well pleased with the quality of the show in its every department.

Peter Henderson & Co. are continuing their display of Peonies, both in their show windows and in their store, the whole effect of the splendid flowers attracting much attention. The Peony Field Guide which they have been distributing to customers has resulted in many orders being booked for Autumn delivery. There can be no question that these exhibitions of the various flowers in their season do bring many additional orders.

Philadelphia Seed Trade

There is the joy of anticipation, and also that of realization. The gardeners, both amateur and market, experienced the first joy when they placed the fertile seeds in the ground this Spring, and now they are waiting for the second in the hoped-for crop of vegetables and flowers. The seedsmen have done their part; their consciences are clear. The rest depends upon Providence and the gardeners. Some of the seedsmen are going abroad now, and some are out of their stores on business trips, while others are beginning to take an inventory of stocks on hand. All of this is indicative that the busy season is over, so far as seeds and plants are concerned, and that the chief sales now will be along the line of insecticides, and garden, lawn and farm utensils.

Even before the crop of Crimson Clover seed is harvested, growers in Delaware are receiving offers of $8 to $8.50 per bushel.

The Johnson Seed Co. is making ready to book orders for Johnson's Prize Winner Pansy seed, a mixture of all the best European strains. The house is now ready to book orders for all Dutch and French bulbs. Mr. Sherry of this company reports a very delightful trip, recently, with some friends, namely Mr. and Mrs. C. H. Hill, and W. McConnell, all of Palmyra, N. J., and C. G. Bergendahl of Reading, Pa., all flower lovers. They visited Bertrand Farr of Wyomissing, Pa., a grower of Peonies, and the Mohican Peony Gardens of W. C. Kline, Sinking Springs, Pa. At both places their eyes feasted on the blooms of choice Peonies, Oriental Poppies, Delphiniums, and other herbaceous perennials being grown. At the Mohican Gardens, Mrs. Kline, in Mr. Kline's absence, showed the visitors every courtesy, and Mr. Farr sent the visitors away with so many of the fine Peonies which had been cut for the postponed Boston Peony show, that they looked like a bridal party. Mr. Kline confines himself to about 100 varieties of high-grade Peonies. The party dined at the Hotel Penn at Reading, where Mr. Bergendahl in turn acted as guide.

At Stokes' Seed Store is noted "Sterlingworth Lawn Compound; kills weeds in lawns without killing grass, and is an excellent top dressing making the lawn green and velvety.—Sterling Chemical Co., Cambridge, Mass." Oh, pity of pities, that this cannot be applied to the gardens also, to kill the weeds without killing the vegetables. That some chemist should bring out such a compound that would kill the weeds and make the vegetables grow, is "a consummation devoutly to be wished." Poor Johnnie would then be saved many a garden headache.

The Moore Seed Co. is making a display of Alsike and Crimson Clover, Millet, Timothy and Alfalfa seeds. The taking of the Summer inventory of stock has begun.

The Rose display is still continued in one window at Henry A. Dreer's, 714 Chestnut st. Among these Roses is noted especially, La Detroit, flesh pink with full center, Pharisaer, a salmon pink, and Lady Ashtown, rose pink, all very beautiful. In the other window is a display of double and single Sweet Williams, consisting of a large number of choice varieties.

In the window at Henry F. Michell Co.'s store is a very pretty arbor scene, with two dear little tow-headed girls, and a third with hair just off the auburn, climbing ladders to gather the Grapes, some of the clusters of which are bagged in true vineyard custom. Both men and boys gather in front of the window to admire the pretty scene, who would pass by in scorn a display of good serviceable hoes, and spades, etc. It looks just as if the plant selling season at Michell's would never end.

There will be a full attendance of the Philadelphia seedsmen at the coming seedsmen's convention at Atlantic City.

MEMPHIS, TENN.—Otto Schwill & Co. are erecting a large new warehouse at Georgia ave. and Kentucky st. The building is to be built in two sections, one of two stories and the other of four stories. Upon completion, the four-story section will be used for the company's business, the downtown office being continued as a branch.

SALVIA BONFIRE

Fine, Strong, Stocky Plants, $2.00 per 100. Cash with order.

E. B. JENNINGS
LOCK BOX 254 **Southport, Conn.**

Please mention the Exchange when writing.

SALVIAS

Bonfire and Splendens, fine strong plants, in bud, 3-4 in., $2.50 per 100.
CANNAS; HELIOTROPE; LEMON VERBENAS, 12-20 shoots; GERANIUMS in bud and bloom, Nutt, Buchner, Grant and Poitevine, strong 3½-in., $5.00 per 100; Mme. Salleroi, 2-in., $1.50 per 100; 3-in., $2.50 per 100; COLEUS, Red, Yellow and Mixed, strong 2-in., $1.50 per 100. Cash.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

VIOLETS—VIOLETS

Ready July 15th.

MARIE LOUISE, clean and healthy in every particular, 3-in. pots, $5.00 per 100.

Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Please mention the Exchange when writing.

A1 STOCK ASTERS, best varieties, transplanted $5.00 per 1000; DRACAENA Indivisa, 4 inch, $15.00 per 100; IVY GERANIUMS Mixed 2½ and 3 inch, $2.50 and $5.00 per 100; GERANIUMS, S. A. Nutt and Standard Varieties, 4 inch, $8.00 per 100; ASPARAGUS SPRENGERI, 4½ inch, $8.00 per 100; GERMAN IVY, 3 inch, $6.00 per 100; COLEUS, Golden Redder and Verschaffeltii, 2 inch, $2.00 per 100; CANNAS from flats, Commercial Varieties $4.00 per 100; VERBENAS, 2½ inch $2.50 per 100.

F. C. RIEBE, Webster, Mass.

Please mention the Exchange when writing.

SEASONABLE PLANTS

		Per 100
500	S. A. Nutt GERANIUMS, 3½-in.	6.50
500	John Doyle GERANIUMS, 3½-in.	6.50
1000	SALVIAS, 3½-in.	6.00
300	FUCHSIAS, 3½-in.	6.50
5000	J. Nonin CHRYSANTHEMUMS, 2-in., $15.00 per 1000.	

QUIDNICK GREENHOUSES
J. H. Cushing, Prop., Quidnick, (Anthony P. O.) R. I

Please mention the Exchange when writing.

Last Call for Bedding Plants

	100
CUPHEA, 2¼-in. pots	$2.00
GERANIUMS, Mixed, 3-in. pots	3.00
CANNAS, Austria and Henderson, 3-in. pots	3.00
CHRYSANTHEMUMS, Lulu, Klondike, Bailey, Yellow Eaton, Ivory, White Eaton, 2¼-in. pots	2.00

Vegetable Plants

CABBAGE, Wakefield, Danish and Surehead. Per 100 25c., 1000 $2.00.

J. S. BLOOM, Riegelsville, Pa.

Please mention the Exchange when writing.

A Dangerous Word

A well-dressed man entered a florist's shop, threw down a sovereign, and said he wanted some flowers to take home. He was very unsteady, evidently having been on the spree, and the flowers apparently were intended as a domestic peace offering.

The florist picked out a dozen Chrysanthemums and the customer started to leave.

At the door he hesitated.

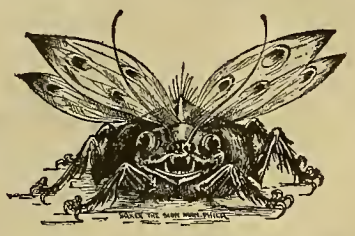
"I say," he said thickly, "watsh these flowersh called?"

"Chrysanthemums."

The customer shook his head. "Gotter have something easier than that," he said. "Gimme a dozen Pinks."—*Exc.*

LOOK! LOOK!

Surplus Stock of Bedding Plants at Stinging Prices



I Offer These to Make Room for Arriving Importations

CANNAS, J. D. Eisele, 4-in., $8.00 per 100; Bismarck, Richard Wallace, Kate Gray, 4-in. pots, $7.00 per 100.

BEGONIA FLAMBEAU, 6 in. pots, 18 to 24 in. high, for boxes and vases, 25c.

SCARLET SAGE, Clara Bedman, 3-in., 3c.

AGERATUM, blue, 4-in., 7c.

HELIOTROPE, blue, 4 in. pots, $7.00 per 100.

ENGLISH IVY, 3-in. pots, 18 to 26 in. high, $6.00 per 100.

FUCHSIAS, assorted colors, 4 in., $7.00 per 100.

GERANIUMS, La Favorite (double white), Beaute Poitevine (one of the best salmon double), 5-in., 15c., in bloom.

PETUNIAS, double, assorted colors, 4 in., $7.00 per 100, in bloom.

LANTANAS, assorted colors, 4 in., $7.00 per 100.

NASTURTIUM, Empress of India, 3-in., 4c. 100.

RICINUS or Castor Oil Plants, 4-in., 15c.

ECHEVERIA GLAUCA, good strong plants, $3.00, $4.00, $5.00 per 100.

ASTERS, German, Queen Victoria, 4 separate colors, 2 in. pots, $3.00 per 100.

ZINNIA elegans, 2½ in., $3.00 per 100.

Small plants, 2½ to 3-in., $3.00 per 100:

VERBENAS, assorted colors, PHLOX DRUMMONDI, dwarf or grandiflora, COSMOS, assorted; COLEUS, Verschaffeltii, Queen Victoria and Golden Bedder (fancy colors), $4.00 per 100; NASTURTIUMS (dwarf); SWEET ALYSSUM, Little Gem or Carpet of Snow; TRADESCANTIA, THUNBERGIA (Black-Eyed Susan); MAURANDIA Barclayana; IBERIS or CANDY-TUFT (white only); SALPIGLOSSIS; LOBELIA, Crystal Palace (blue), dwarf or trailing; DUSTY MILLER or CENTAUREA Gymnocarpa.

PETUNIAS, Cal. Giant, 3-in., best strain, 3c.

In NEPHROLEPIS or FERNS we have the following: Scottii, Whitmani and Boston, medium size, 4 in., 20c. Scholzeli, medium, 4 in., 25c.

PRIMULA Obconica, 3-in., 7c.

DRACAENA Indivisa, 5 to 5½-in., 25c.

KENTIA Forsteriana and Belmoreana, 36-30-48 in., $1.00, $1.25, $1.50, $1.75 to $2.00.

CRIMSON RAMBLER ROSES, 7-9 in. pots, 75c., $1.00, $1.25 each. Dorothy Perkins, one of the newest best pinks, pot grown, 2 to 3 years old, 36c., 40c., 60c.

FICUS ELASTICA, 4 in. pots, 25c.

Don't forget we are the wholesale growers and shippers of the genuine MOON VINE, the Ipomoea Noctiflora, for which we have had, for the last 25 years, a world-wide reputation. A rapid grower; grows in one season 50 ft. and over with thousands of pure white, waxy, fragrant flowers as big as a saucer. We ship 25,000 every season to every state in the Union, Canada and Mexico. 2½-in. pots, $6.00 per 100; 4-in., staked up, $12.00 per 100.

ARAUCARIA excelsa. First consignment just arrived from Antwerp, in their original packing, 2-3-4 year old, 3-4-5-6 tiers, 12-15-18-20-25 in. high, 35c., 50c., 60c., 75c., $1.00 to $1.50.

ARAUCARIA compacta, Robusta and Glauca, $1.00, $1.25 to $1.50.

All plants must travel at purchasers' risk.

Cash with order, please.

GODFREY ASCHMANN

Wholesale Grower and Importer of Pot Plants

1012 West Ontario St., PHILADELPHIA, PA.

Please mention the Exchange when writing.

DRACAENA INDIVISA

A Fine Stock In All Sizes
4 inch, 12 to 15c.; 5 inch, 20 and 25c.; 6 inch, 35 and 50c.

SCOTTII FERNS, 5 inch, 25c.; 4 inch, 15c. each; and 2¼ inch, $4.00 per 100.

COCOS WEDDELLIANA, 2¼ inch, 10c. each, $9.00 per 100.

ASPARAGUS PLUMOSUS, 2¼ inch, strong, $3.00 per 100; 4 inch, $10.00 per 100.

SALVIA BONFIRE, 2¼ inch, $2.50 per 100.

HENRY WESTON, Hempstead, N.Y.

Please mention the Exchange when writing.

DRACAENA INDIVISA

$18.00 per hundred.

Vinca Variegata, 2½-inch pots, $2.50 per hundred.

Cash with orders please.

E. L. RILEY, Trenton, N.J.
R. F. D. No. 2.

Please mention the Exchange when writing.

DRACAENA INDIVISA

Strong, 4-inch, $10 00 per 100.

ASPARAGUS SPRENGERI, strong 2½-inch, $3.00 per 100.

ASPARAGUS PLUMOSUS, 2-inch, $2.00 per 100.

WETTLIN FLORAL CO., Hornell, N. Y.

Please mention the Exchange when writing.

Vincas=Vincas=Vincas

2,000 VINCA VINES

$2.00 per hundred, $18.00 per thousand.

J. L. DILLON, Bloomsburg, Pa.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Louisville, Ky.

During the past week, the florist trade in Louisville has opened up magnificently on account of the fine weather. The planting season has been resumed and big sales are reported along this line by all the Louisville dealers. Planting this season has been very much prolonged, for the weather was ideal for Spring during the month of March and during the first two weeks of April, and people felt that Winter was over and were impelled to do their planting early. The plants that were put out at this time were all more or less harmed by the continued rains and cold weather that has prevailed since, and at the present time people are restocking in plants and the florists are profiting much thereby. For this reason, the complaints that arose during the period of unseasonable weather have all been overbalanced by the excess of business during the past week.

Commencements and June weddings are now holding sway in Louisville and are an additional cause for rejoicing in local flower circles. A number of social events have taken place in honor of the various June bridea and much decorating has accrued from these sources.

A rumor of general interest to florists is to the effect that a big corporation is being formed in Louisville to make a combination of several of the largest flower firms in the city. This corporation, which is pretty well assured at the present time, although no definite information can be given, is backed by New York capitalists and has the support of the Louisville Commercial Club. There has been much need of such a concern in Louisville for some time, for although Louisville is one of the large floral centers of the United States, no big interests have concentrated at this point and the big demand for flowers, coming from all over the State, has been handled with difficulty. The New York men propose to build a large number of greenhouses throughout Jefferson County and operate nurseries in conjunction with them.

The convention of the S. A. F. & O. H. in Rochester, N. Y., next August, will be largely attended by Louisville florists. A good deal of interest is taken in the affairs of the Society by local men and a large delegation is expected to represent the Gateway of the South at the convention.

A three-story warehouse on the farm of H. F. Hillenmeyer, near Sandersville, Ky., was burned recently, with a loss of about $2,500 on building and machinery, nursery supplies, etc., with no insurance. It is believed that the fire was started through the carelessness of some employee who dropped a match among the packing boxes and excelsior which were in the building. Mr. Hillenmeyer is a prominent Lexington nurseryman.

In the weekly report of the Louisville Flower Mission, the following Louisville florists were thanked for donations of flowers: M. D. Reimers, Fred L. Schulz, William Walker, C. B. Thompson, Jacob Schulz, August R. Baumer, and A. Rassmussen of New Albany, Ind.

The New Albany, Ind., branch of F. Walker & Co. was recently victimized to the extent of forty dollars by an employee who took French leave after three days' service. After being in the service of the firm for three days, he broke open Mr. Walker's desk, procured several blank checks and forged these checks, for various amounts. The checks were cashed at various saloons in the neighborhood, as it was represented that they were checks for salary. In one case, thirty-five dollars was obtained on one check and five dollars as part payment on an eighteen dollar check. The man gave his name as George Blanck, of German descent, five feet three inches in height, black hair and eyes, and very thin visaged. His left arm was heavily tattooed and a large scar ran from knee to ankle on his right leg. It is believed that he will attempt to work the same game on other florists, as he was a good workman and could easily obtain a position.

The recent opening of the new Country Club has given Louisville florists an excellent opportunity for displaying their decorative ability at the various luncheons and other social events which marked the opening. The Club is one of the handsomest in the South, costing more than $150,000 to build. August R. Baumer has used large quantities of Sweet Peas very effectively at two luncheons given at the Club during the past week.

"We are preparing to handle some very elaborate weddings during the next week," said Henry Nanz, of the firm of Nanz & Neuner "for we have done some very fine work along this line. During the

VINCA VARIEGATA

From 2 inch pots, $2.00 per 100.

Cash please.

LEONARD COUSINS, JR.
CONCORD JUNCTION, MASS.

Please mention the Exchange when writing.

Alternanthera Jewel

We can still supply first class plants of this magnificent new bedding plant. If you buy now, you will be able to have stock for another year. To clean out, we will make a special price of $1.50 per dozen, $10.00 per hundred.

Gardenias

We can quote you in any quantity, 3 inch, $18.00 per hundred, 2½ inch, $12.00 per hundred.

Getting Down on 'Mums

but still have a few thousand at $25.00 per thousand.

CHARLES H. TOTTY
MADISON, N. J.

Please mention the Exchange when writing.

A Few Good Things You Want

ROSES, Bride, Bridesmaid and Golden Gate, 3-in., $6.00 per 100.

DRACÆNA Indivisa, 4-in., $10.00 per 100.

BEGONIA Rex, 2-in., $5.00 per 100.

ASPARAGUS plumosus, 2-in., $3.00 per 100; 3-in., $6.00 per 100. Cut sprays, 25c. per bunch.

GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $6.00 per 100.

FERNS, Whitmani, 4-in., 25c. each.

COLEUS, ALTERNANTHERAS, red and Yellow, VERBENAS, HELIOTROPE, CIGAR PLANT, SALVIA (Scarlet Sage), Zurich (always in bloom), VINCA Variegata, 2-in., stock of these, $2.00 per 100.

Cash with order, no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the Exchange when writing.

First Class Stock to Close Out Surplus

				Per 100
400	Vinca Veriagata	2¼-inch		$2.00
600	" "	3	"	3.25
175	English Ivy	3	"	3.25
150	Achyranthes (red)	2½ and 3	"	2.75
1000	Coleus, Golden Bedder	2¼	"	2.00
750	" Fire Brand	2¼	"	1.75
250	" Verschaffeltii	2¼	"	2.00
200	" Assorted	2¼	"	1.50
260	Verbenas, Assorted	2¼	"	1.50
600	Ageratum, Dwarf White and P. Pauline	2¼	"	1.50
150	Purple Heliotrope	3	"	3.00

Cash please.

R. I. HART, Hackettstown, N. J.

Please mention the Exchange when writing.

WE will advertise through your paper again, beginning next August (our season), as the results from The Florists' Exchange have been very satisfactory this Spring.

Address of this Advertiser on application.

Prices Advertised in these Columns are for THE TRADE ONLY

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable, in 5 colors including fringed varieties, from 2½-in. pots, $5.00 per 100, $45.00 per 1000; from 3-in. pots, $7.00 per 100, $65.00 per 1000. Now ready.

PAUL MADER,
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Fine bushy plants, from 3-inch pots, $5.00 per 100, 4-inch pots, $10.00 per 100. Cash please.

Give us a trial; we can please you!

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POINSETTIAS

Fine, strong, healthy young plants, out of 3-in. pots, $5.00 per 100.

WHITMANI FERNS, for 5-in. pots, $25.00 per 100.
BOSTON FERNS, $25.00 per 100.

PAUL J. BURGEVIN, PORT CHESTER, N. Y.

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PALMS, FERNS
and
Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

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Asparagus Plumosus Nanus

From 2-in. pots, nice plants, $2.00 per 100.

ASPARAGUS Sprengeri, strong, from 2-in. pots, $2.00 per 100.

CYPERUS ALTERNIFOLIUS (Umbrella Plant), 2-in., very fine, from seed, $2.00 per 100.

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

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SEASONABLE PLANTS

DRACÆNA Indivisa, 4-in., $10.00 per 100.

CANNAS, Pennsylvania, $1.50; A. Bouvier, $1.50; Austria, $1.25; Italia, $1.75; B. Beauty, $2.50; Egandale, $1.50; Marlborough, $2.00; America, $1.25; D. Harum, $2.00 per 100.

HYDRANGEA Paniculata grandiflora, 2 to 3 ft., $10.00; 18 in. to 24 in., $6.00 per 100.

PRIMULA Obconica, 2-in., $1.50 per 100; 3-in., $4.00 per 100; 4-in., $6.00 per 100.

GERANIUM, Ricard, 2-in., $2.00 per 100.

ASPARAGUS Sprengeri, 2-in., $2.00 per 100 Plumosus, 2-in., $2.00 per 100.

ENGLISH IVY, R. C., 75c. per 100; var. R. C., 75c. per 100.

FERNS, Scottii, 5-in., $20.00 per 100; 6-in., $25.00 per 100.

J. H. DANN & SON
Westfield, N. Y.

Please mention the Exchange when writing.

WE have received favorable replies from our advertisements in The Florists' Exchange.

Address of this Advertiser on application.

past week, our firm has taken care of several exceedingly large funeral orders, which required a large stock. The outlook for Fall planting of shrubbery and evergreens looks very good, as there are several large estates in Jefferson County which the owners contemplate having beautified. I expect to attend the convention of the S. A. F. at Rochester, next August."

Jacob Schulz supplied at least fifty bunches of various varieties of flowers to the entertainment given by the society people of Louisville for the benefit of the Children's Free Hospital. Three very handsome palls were prepared by Mr. Schulz during the past week, one of white Sweet Peas, one of pink and white Carnations and one of Golden Gate Roses. The new greenhouse at the Schulz nurseries, in the eastern part of the city, will be completed by the latter part of this week. It is of concrete construction, 28 by 150 ft., and is uptodate in every respect.

Fred Haupt says business is booming, and he has all that he can possibly take care of at present and the outlook is very encouraging for a continuance of these conditions. Mr. Haupt was one of the Louisville owners of automobiles who took the orphans of the city on their annual outing to the amusement parks, keeping them well supplied with peanuts and ice-cream. Another section of the orphans will be given an outing on June 18. As an evidence that he is an enthusiastic motorist, Mr. Haupt toured to Indianapolis to the auto races on the speedway and enjoyed one of the finest trips he has ever had. The proposed floral parade by Louisville motorists will be held in this city during the month of August, according to present assurances.

One of the handsomest funeral palls that has been seen in Louisville for some time was prepared recently by M. D. Reimers. The pall, which included the grave lining, was made of the finest green stock procurable; the grave lining was made of the same materials, with a very deep border of pink Roses. A large line of fancy Gardenias is a feature of the Reimers establishment.

For a woman florist to handle three large weddings in one day is considered to be "going some." Mrs. C. B. Thompson achieved this enviable record during the past week. G. D. C.

A Simply Prepared Insecticide

A gardener recently brought to our notice an extremely simple method of getting rid of aphis on pot plants. He placed the affected plants in a box, threw in a few Laurel leaves, first crushing them somewhat, closed the box, and in 10 minutes or so the aphides appeared to be all dead. The explanation of the insecticidal action of the crushed Laurel leaves is, of course, as simple as the remedy. Laurel, like many other plants, contains a complex substance (a glucoside) which, when the leaf is injured, is acted on by a ferment (also contained in the leaf), and, decomposing, gives rise, amongst other things, to the excessive poisonous gas—hydrocyanic acid. The gardener who devised this remedy was, therefore, unconsciously fumigating with hydrocyanic acid gas. If the Laurel leaves are placed in a basin and a drop or two of chloroform added, the gas is liberated more quickly, and hence the insects succumb to it sooner. We do not suggest that the method is capable of wide or general use; but a fumigating box and a few Laurel leaves might come in handy where an occasional pot plant requires insecticidal treatment.—*Gardeners' Chronicle* (Eng.)

Rose Climbing American Beauty

Rose Climbing American Beauty

We have often drawn the attention of our readers to this Rose, and are pleased to be enabled to show this photograph of it. Messrs. Hoopes, Bro. & Thomas Co. of West Chester, Pa., the originators, describe it as follows:

"It is a cross between American Beauty and an unnamed seedling. The color is rosy-crimson, similar to its pollen parent; the flowers are 3 to 4 in. in diameter and fragrant, finely formed on long stems. Blooms very freely in May and June and occasionally during the Summer. The plant is a strong grower, making shoots 10 to 12 ft. in a season, and perfectly hardy. The foliage is of good size, a deep glossy green in color, does not mildew, is not subject to black spot and remains on until frost!"

The firm advise us that climbing American Beauty Rose, as well as their new variety, Christine Wright, also a climber, bright clear pink in color, carrying flowers 4 in. in diameter and as many as 14 buds and flowers in a cluster, have been examined by quite a number of specialists, who all give it as their opinion that these are the two finest climbing Roses they know of. The fact that from both of these Roses fine flowers on long stems can be cut for house decoration is very much in their favor. They are also good keepers.

The Book of
Water Gardening

This work supersedes all other books that have previously been written on the subject of aquatics and their surroundings, and gives in full detail all the practical information necessary to the selection, grouping and successful cultivation of aquatic and other plants required in the making of a Water Garden and its environments, and covering all conditions from that of the amateur with a few plants in tubs to the large estate or park.

By PETER BISSET
Expert Aquaticulturist

Beautifully printed on heavy enameled paper, and profusely illustrated with one hundred and twenty halftones, seventeen diagrams and two double page plates.

Price Postpaid, $2.50

A. T. De la MARE PTG. & PUB. CO. Ltd.
2 to 8 Duane St., New York

Books Every Florist Should Have

BULBS AND TUBEROUS ROOTED PLANTS.—C. L. Allen. $1.50.

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THE AMERICAN CARNATION—C. W. Ward. Price $3.50. Prospectus.

THE CHRYSANTHEMUM.—A. Herrington. Price 50c.

ARNOLD'S TELEGRAPH CODE FOR FLORISTS.—$2.50.

DESIGN BOOK, THE FLORISTS' EXCHANGE.—Sold to subscribers only. Send for particulars.

FUNGOUS DISEASES OF PLANTS.—Benjamin Minge Duggar. Price $2.40. Reviewed Feb. 19, 1910.

THE HEATHER: In Lore, Lyric and Lay.—By the late Alexander Wallace, $1.00. Prospectus.

PLANT CULTURE.—George W. Oliver. Price $1.50; F. E. two years and Plant Culture, $2.00. Prospectus.

PRONUNCIATION OF PLANT NAMES.—Price 50c. Reviewed March 17, 1909.

THE ROSE.—H. B. Ellwanger. Price $1.25.

SUCCESS IN MARKET GARDENING.—Herbert Rawson. Price, postpaid, $1.20. Reviewed, April 23, 1910.

SUCCESS WITH HOUSE PLANTS.—Lizzie Page Hillhouse. Price, cloth, $1.00; paper, 50c. Prospectus.

SWEET PEAS.—Walter P. Wright. Price $1.00. Reviewed Feb. 19, 1910.

VIOLET CULTURE.—Dr. B. T. Galloway. Price $1.50. Prospectus.

WATER GARDENING, THE BOOK OF.—Peter Bisset. Prospectus. $2.50.

GOLDFISH, THE, AND ITS CULTURE.—Hugo Mulertt. Price, $2.00. New edition. Prospectus.

The review notices or prospectuses of the books mentioned will be mailed to any subscriber on application.

Prices quoted include prepaid delivery.

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The Florists' Exchange No. 2 Duane St. New York

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Prepared especially for seedsmen to give away to customers. Written by experts with a view to the wants of the amateur. Seedsmen are requested to send for a free sample. Address,

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"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

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Boskoop, Holland.

Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

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Somergem, Belgium

Special grower of High-Grade and new Azaleas, Kentias, Araucarias, Bays, etc.

AUGUST ROLKER & SONS, AMERICAN AGENTS
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Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.
Send for catalogue and special prices on choice TREES, EVERGREENS, etc.

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Leonard Oorthuys

POUGHKEEPSIE, N. Y.

Please mention the Exchange when writing.

Peach Trees

During the Spring of 1910 Peach Trees were very scarce; we will have a good supply of them for Fall and Spring delivery, and are prepared to enter orders now at reasonable prices.

CALIFORNIA PRIVET

We have a good prospect for next year and would like to have orders now from responsible parties with a moderate deposit.

RHUBARB

We will have some nice clumps for forcing this Fall.

Jos. H. Black, Son & Co.

Hightstown, N. J.

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ROSES PRIME STOCK

On own roots. See prices, page 915 May 28th, The Florists' Exchange.

THE LEEDLE FLORAL COMPANY SPRINGFIELD, OHIO

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Magnolias
Rhododendrons
Azaleas
Peonies
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Hydrangeas (Tree)
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Nursery Stock for Florists' Trade

Everything Hardy in the States and Canada

Roses a Specialty — All Kinds of Fruit Trees

Ornamental Trees and Shrubs, Evergreens, Berries, Herbaceous Plants

Write for trade list

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64 Years — GENEVA, N. Y. — 800 Acres

Roses
Spiræa Van Houtte
Norway Spruce
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P. OUWERKERK

216 Jane Street
WEEHAWKEN HEIGHTS, N. J.
P. O. No. 1, Hoboken, N. J.

Just Received From Our Holland Nurseries

Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.

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Please mention the Exchange when writing.

Berberis, Snowball, Spirea and Other Fine Shrubs

Stock of unusual quality
Orders booked now for Fall delivery

THE CONARD & JONES CO., WEST GROVE PA.

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New Crop of Spring and Fall Spiraea Seeds

SPIRAEA Arguta, $1.25 per ounce.
SPIRAEA Opulifolia Auren, 50c. per ounce, 1000 Seeds in packet 25c.
SPIRAEA Van Houttei, $1.75 per ounce.
SPIRAEA Tomentosa Rosea, $1.00 per ounce.

FRANCIS N. HADDEN 145 Pond Street, Providence, R. I.

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500,000 California Privet

FOR FALL OF 1910

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.
Also a fine stock of AMPELOPSIS Veitchii, 2 years, transplanted.

CHAS. BLACK, Hightstown, N. J.

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PEONIES

Our Lists of One Hundred Choice Varieties For 1910 Have Already Been Mailed. Did you get your copy? If not, and if interested in Peonies, do not fail to send for one.
No finer or more healthy stock to be had, anywhere.

J. F. ROSENFIELD, Peony Specialist
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Ampelopsis Veitchii

4 inch pots, grown and staked, strong plants, $10.00 per 100.

CHAS. H. CAMPBELL
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Evergreens Shade Trees Shrubs Privet

100 Acres of Nursery. Ask for quotations upon your own list of wants.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Please mention the Exchange when writing.

Bay Trees—Boxwood

All shapes and sizes at lowest prices.
Write and be familiar with my bargains.

F. W. O. SCHMITZ, Prince Bay, N. Y.

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LARGE TREES

OAKS AND MAPLES
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THE NEW BLUE RAMBLER

(VEILCHENBLAU)

The Greatest Rose Novelty of the Age

Is Creating a Great Sensation and Selling Rapidly. They sell as soon as you describe them to your customers. Color a Violet Blue, perfectly hardy, free bloomer; strong, pot-grown plants, $2.50 per dozen, $18.00 per hundred, prepaid. Send your orders in at once, as our stock is limited.

T. N. YATES & COMPANY

7356 Germantown Avenue, PHILADELPHIA, PA.

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A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries — ROCHESTER, N. Y.

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ROSE PLANTS

FINE, STRONG AND HEALTHY

American Beauty, 3 inch pots	$7.00	per 100,	$65.00	per 1000
Brides and Maids, 3 inch pots	4.00	"	35.00	"
Brides and Maids, 4 inch pots, 1 year old	5.00	"	45.00	"
Smilax, 2 inch pots	2.00	"	18.00	"

Orders should be placed at once. Stock can be shipped now or when you are ready to plant.

Propagated from Prize Winning Stock, American Rose Society Exhibition, New York City, March 16, 17 and 18, 1910.

UNITED STATES CUT FLOWER COMPANY, ELMIRA, N. Y.

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NORTHERN GROWN NURSERY STOCK

We Grow a General Assortment of

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.

Prices Reasonable. Wholesale Trade List for the Asking

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W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

HOUSTON, TEX.—The Teas' Nursery Co., has been incorporated, with a capital of $20,000. The incorporators are A. J. Condit, Edw. Teas, and C. S. Preston.

Viburnum plicatum rotundifolium

The Japanese Snowball, Viburnum plicatum, is one of the best known and valued of shrubs; but the one of our illustration, a variety of it, called rotundifolium, is very little known, for which reason, as well as for that of its beauty, we are pleased to illustrate it. It differs from V. plicatum in having round leaves, larger flowers and larger "snowballs" than it, and in flowering a week or so in advance of it. The bush itself is apt to become less upright in growth than plicatum, which is caused, to some extent, by the extreme points of its shoots being lost in severe Winters, a something that does not happen to plicatum. That it is hardy may be inferred from the specimen photographed, which has stood in its present position for several years unprotected; yet, when side by side, rotundifolium will often have an inch or two of its tops killed in Winter, while plicatum has never been hurt here in the severest Winters.

It has always seemed to us that this one, rotundifolium, would make an excellent plant for forcing for Christmas. The "balls" of flowers are so large and distinct from plicatum that the difference is easily seen, and its more bushy growth might be in its favor. There is to be considered, too, that it flowers a week in advance of plicatum.

To ensure this variety passing through the Winter well, it should be planted on rather high ground, where its wood will get well hardened before growth for the season ceases.

Hydrangea hortensis Outdoors

In the vicinity of Philadelphia the Hydrangea hortensis cannot be deemed a hardy shrub, for unless in a very much sheltered position the cold of Winter will kill its tops more or less, and with the killing of these tops there is a great lessening of the number of heads of flowers produced. The side buds may form shoots to bear flowers, some of them always do, but that they will is never so assured as that the terminal bud will. Because of this, it is correct to say this species is not hardy. Were it only desired to preserve a portion of the lower part of each shoot it would pass easily as a hardy shrub, for it is rarely killed to the ground when unprotected.

The writer has kept this Hydrangea in good condition in two ways; placing a barrel with both ends knocked out over it; and digging it up, burying it completely under ground in a corner of the garden. Both ways have been satisfactory. At the present time there is one, well supplied with embryo flower heads, which was wintered with the barrel over it. The barrel, after being set in position, was filled with forest leaves, then two narrow strips of wood nailed to the top of the barrel to prevent the leaves being disturbed, but not hiding them from view. To see the plant today is evidence of the effectiveness of this method of wintering it; and the trouble in this case, the work, was much less than that of digging up a plant and burying it in some corner.

Another plan was tested for results: A large sack, open at both ends, was placed over a plant after the shoots of the plant were tied close together. This bag was then in the same position as the barrel spoken of; forest leaves were packed in around the plant, the bag made secure in position, and when opened in Spring this plant, too, was in excellent condition.

Transplanting Trees in Leaf

All nurserymen have experience with customers who come late; sometimes because ground are not ready, at other times on account of recent occupancy of a place, etc.; thus those who want trees when they are in leaf may always be looked for. When such trees can be moved with large balls of soil attached to the roots there is no great trouble in doing the transplanting safely, but when no ball can be had it is hardly feasible to remove them without sacrificing some of the foliage at least. There is no question, however, that large trees in leaf can be transplanted with safety; it is often done with well known difficult subjects such as Oaks which may be harder to handle than Elms, Maples and such easier moved kinds. The process of transplanting such trees is as follows: Holes to receive them are prepared in advance, the trees are dug with all the care possible and roots kept moist by covering with wet mats. The young growth is shortened back considerably, but not enough to take all the leaves with it as, to be successful, a fair proportion must be left on the tree, it being a great mistake to cut off all of them. Plant the tree in the usual careful way, using fine sandy soil for the first filling in about the roots, in order that it may penetrate all crevices. As usual, when the hole is half filled in pour in water right up to the rim, renewing this operation when the first lot has soaked away. The hole may then be filled up, partly but not wholly, for water has to be poured in it continually for several days giving it so much that it is about impossible for the foliage to droop. It is on this constant supply of water that the success of the operation depends. The hole should be filled with water a half-dozen times a day for a week, by which time, in all likelihood, the tree could sustain itself, foliage and all, without a less amount, and very soon with no more than any other tree requires. With the leaves preserved in this way in a short time the functions of the tree will proceed as usual. Probably not much new growth would be made the same season, but the foliage will perfect sap which will be ready to give the tree a good start the Spring following.

Yellow Magnolias

In recent conversation with a gentleman who has been a lover of trees all his long life, he regretted to have missed in late years in collection of trees the "Yellow Magnolia," as he called it. Years ago, he said, he used to see it occasionally, especially on private grounds in the vicinity of New York City. The gentleman much have referred to Magnolia cordata, which really may be called a yellow, a light yellow, but nearer this color than approached by any other species. Magnolia Fraseri is called yellow, and it is entitled to it, being of a light canary yellow color, both the nearest to a real yellow of all the kinds. Magnolia cordata is a beauty; and what is strange is that it never was prominent in collections, nor is it today.

As the old Parsons' Nursery, at Flushing, N. Y. made a practice of stocking up with all such nice things, the specimens referred to by this gentleman, no doubt, came from there. Praise is due this old concern for the many nice things it offered in its day, including this Magnolia.

Magnolia Fraseri, the other species approaching a yellow, is far too rare in collections. As both plants and seeds can be had from its native mountains in North Carolina, it would be to the profit of nurserymen to raise thousands of them. Additional to its canary yellow flowers, its fragrance is most delightful, hardly as perceptible at such a distance as that from M. glauca, but more pleasing to some than the last named, famed as that is.

Should it be that anyone has a good stock of these two Magnolias it would be a service to all horticulturists to make the fact known.

Thickening Hedges

This is the month in which hedges need pruning, when bushiness is desired. Growth is made quickly at this time, and wherever a shoot loses its point a half-dozen more often take its place. All hedges, whether of an evergreen or deciduous nature, are now in the height of growth, which makes it the best time of the whole year to prune to make them bushy.

It is presumed that earlier pruning has shaped them properly, so that the cutting in now will not require to be back to the old line, for were it done it would be beyond the living foliage, which would be injurious. The present pruning may be to the extent of reducing the length of the shoots to within an inch or two of the original Spring pruning, if desired; but then it is not necessary to prune back so much, unless some reason exists for it. As the sap is still being rushed to all parts of the plants, very soon numerous shoots appear in place of everyone shortened, and the bushiness, a pleasing feature of an ideal hedge, follows.

Evergreen hedges rarely require any pruning in Spring before the one in June; in fact, no hedge does if brought into a good shape in the Autumn previous; so that one given them now, and another in September is all many give them. Some of our gardeners, however, give three prunings to such quick growing plants as the Privet—one in May, another in July, and a third in September. Pruning is easier under this plan, they say, and the hedges always present a neat appearance.

The writer noticed a second pruning of a Privet hedge going on a few days ago. The gardener doing it must be a stickler for extreme neatness, as not much growth had been made since the May operation.

Weeping Hemlock

In the Spring time, when growth is strong with the common Hemlock Spruce, it has such a drooping appearance that many call it Weeping Hemlock and, as there is a true weeping variety, it makes confusion in ordering from nurseries. Quite often an order for Weeping Hemlock means but the common one, and unless there is something else to go by, besides the order, what to send is sometimes a puzzle. An acquaintance with the customer is sometimes a help, affording a clue based on his knowledge of trees. If well up on arboriculture, it is safe to send him the true weeper; if he is not, the common Hemlock is what is wanted, in all probability.

At this season of the year, when the new growth on the Hemlock is of good length, there is no more beautiful tree than it. As the young growth elongates it droops gracefully, adding greatly to the charm the tree always possesses. Even the very topmost shoot, the leader, droops too; and all continue to until late Summer, when the gradual ripening of the wood causes it to hold the shoot stiffer, until at length the weeping part is lost.

The true weeping Hemlock Spruce is known as Sargent's Weeping. It is increased by grafting it on the common stock. A group of these trees, some half-dozen or more, set out in Fairmount Park, Philadelphia, many years ago, is much admired; they are now about 8 ft. high and as many feet in width.

It is well to pot some strong young plants of the common Hemlock in a greenhouse in Winter, looking to the grafting of the weeper on them. When under cover of this kind, more observation can be given them, adding to the chance of the cions succeeding.

Viburnum Plicatum Rotundifolium

GERMAN IRIS

Strong Clumps and Divisions for Autumn planting. A large assortment of varieties; covering the best blue, yellow and intermediate colors.

The Wm. H. Moon Co., Morrisville, Pa.

Please mention the Exchange when writing.

ROSES FROM 2½-INCH POTS

Fine, Clean, Strong, Well-Rooted Stock

	100	1000		100	1000
Cheiney	$3.00	$25.00	Ivory	$4.00	$35.00
Bridesmaid	3.00	25.00	Richmond	3.00	25.00
Uncle John	4.00	35.00			

BENCH PLANTS

	100	1000		100	1000
Beaulies	$6.00	$50.00	Sunrise	$4.00	$30.00
Richmonds	4.00	30.00	Brides	4.00	30.00
Perles	4.00	30.00			

PETER REINBERG, 35 Randolph Street CHICAGO

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AMERICAN BEAUTY PLANTS

3-inch
2½-inch
2¼-inch

Our Sport of My Maryland, Dark Pink, will be disseminated 1911
It is in color what Bridesmaid was to Mermet

MYERS & SAMTMAN, Chestnut Hill, PHILADELPHIA, PA.

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AMERICAN BEAUTIES

From 4-inch pots, extra strong plants, $10.00 per hundred. Guarantee satisfaction.

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NEW, THOROUGHLY REVISED EDITION. JUST PUBLISHED

By Geo. W. Oliver, Propagator to the Bureau of Plant Industry, U. S. Department of Agriculture

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A WORKING handbook of every day practice for the Florist and Gardener, and those who intend to grow plants and flowers, in the greenhouse or garden, as a means of obtaining a livelihood. Each and every article is written in concise, simple language, and embodies wholly and solely the experience of the writer.

The plants dealt with comprise those which are commercially handled by Florists, Gardeners and Nurserymen, and include Florists' Flowers, Stove and Greenhouse Plants, Hardy Herbaceous Plants, Annuals, Shrubs, Hardy and Tender Vines and a chapter of General Directions, covering Propagation, Seeds, Grafting, Hybridization, etc.

This reliable cultural work has been gotten up for use, not ornament; therefore the price has been fixed at a figure within the reach of all. It contains more real practical information for those for whom it is intended than is found in much more pretentious works.

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Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.
Orders for Fall delivery booking now.

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FERNS

MY SPECIALTY

Adiantum Cuneatum, best Maiden Hair Fern for cut fronds, 2¼-in., $3.50 per 100, $30.00 per 1000.

FERN SEEDLINGS

Over Million and a Half of Fern Seedlings, strong, healthy stock, now ready for potting; assortment of 16 Best Varieties for Fern Dish Filling, my selection, $1.00 per 100, $9.50 per 1000, $8.50 per 1000 in 25,000 and $8.00 per 1000 in 50,000 lots. Small orders of 100 and 200 plants can be sent by mail if desired, and postage of 10c. per 100 is remitted.

(Satisfaction and safe arrival guaranteed or money refunded.)

Assorted Ferns, for Fern Dishes, 2¼-in., $3.00 per 100, $25.00 per 1000.

Adiantum Farleyense, 2-in., $1.30 per dozen, $10.00 per 100.

Cibotium Schiedei, 2-in., $3.25 per dozen, $25.00 per 100, $240.00 per 1000; 6-in., $1.00, and 6-in., $1.75 each.

J. F. ANDERSON, Short Hills, N. J.
Fern Specialist

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FERNS

Assorted varieties for dishes, strong plants, from 2¼-in. pots, $3.00 per 100; $25.00 per 1000; 3-in., $6.00 per 100.

NEPHROLEPIS Scottii, 7-in., $9.00 per doz.

COCOS Weddelliana, strong plants, from 2¼-in., $10.00 per 100, $86.00 per 1000.

KENTIAS, 2¼-in., $8.00 per 100, $70.00 per 1000.

GERANIUMS, Nutt, Poitevine, Grant, 4-in., $6.00 per 100; 3½-in., $5.00 per 100.

SALVIA Bonfire and Splendens, 2¼-in., $2.00 per 100.

BEGONIA Vernon, 2¼-in., $2.50 per 100; $20.00 per 1000.

FEVERFEW, 2½-in., $2.00 per 100.

DUSTY MILLER, 2½-in., $3.00 per 100.

COLEUS Verschaffeltii, Golden Bedder and mixed, 2¼-in., $2.00 per 100.

FRANK N. ESKESEN, Madison, N. J.

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Fern Seedlings in Flats

In best varieties, ready June 15.

20,000 KENTIA Belmoreana, in 2¼-in. pots, ready now; also,

25,000 ASPARAGUS plumosus nanus, 2¼-in., ready for shifting.

Prices on application.

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B. SOLTAU FERNERY,
199 Grant Avenue, JERSEY CITY, N. J.

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PTERIS WILSONI

A few hundred fine bushy plants, in 3-inch pots, 7 cents each.

R. G. HANFORD, Norwalk, Conn.

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Ferns in Flats

All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready June 1. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.

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F. E. — Alive and Up-to-Date

Begonia Gloire de Lorraine

FOR JUNE DELIVERY

2¼-inch repotted Stock

Price, $15.00 per 100

SCOTT BROS.
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ORDER NOW For June Delivery

Begonia Gloire de Lorraine
2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen
2½-in., $5.00 per 100, $45.00 per 1000

Poinsettias
2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis
2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.
Scranton, Pa.

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Why Delay Ordering Your Begonia Gloire de Lorraine?

You will soon want them sore. We are equipped better than ever to supply Excellent Stock; 2½-inch pots, twice transplanted, at $15.00 per 100, $140.00 per 1000.
CYCLAMEN, 3-inch pots, $7.00 per 100; 4-inch pots, $15.00 per 100.
POINSETTIAS, 2½-inch pots $5.00 per 100; $45.00 per 1000. Write us for Katalog.

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

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FERNS FERNS

Assorted Ferns for Jardinieres, in 6 to 8 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $25.00 per 1000.

Fern Seedlings in Flats, in 10 best varieties, each flat contains only one variety of Ferns; ready about the middle of July; price on application.

THOMAS P. CHRISTENSEN
SHORT HILLS, N. J.

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WE cannot book any more orders for Ferns, for delivery before July 10th.

HENRY H. BARROWS & SON
WHITMAN, MASS.

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Every one who would become successful in his pursuits should "fill himself full" on all subjects appertaining thereto; in other words, he should buy every practical book relating to his business from which he is sure to reap some advantage.

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TRADE AUCTION SALE

Tuesday, June 21st, at noon

Consisting of fine collections of Foliage Plants from growers with national reputations. Do not overlook this opportunity, as it will be our last sale this season

W. J. ELLIOTT, Auctioneer

WM. ELLIOTT & SONS, 42 Vesey Street NEW YORK CITY

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Providence, R. I.

Messrs. Burke & Burns, Cranston, R. I., who have purchased the Dyer ave. place, formerly owned by Wm. Hay (now of Oaklawn, R. I.), will take possession of same July 1. They will grow Roses for wholesale trade, mainly Richmond, Bride, Bridesmaid, Killarney, also Carnations and Violets.

Mr. Burke takes a two weeks' vacation before commencing for himself; he has been head salesman for Wm. Hay for some time and we wish him success in his new undertaking.

Wm. Hay, Oaklawn, R. I., opened his new store Monday; it is on Clements st. just off Washington st. Mr. Hay at present will wholesale his own production; later it is his intention to sell the products of other growers and to do a general wholesale florist business. Mr. Hay has a fine plant at Oaklawn and is an expert in Rose growing.

Mr. Burt West, formerly with T. Curley, has accepted a position with Wm. Hay.

Mr. Ed Murray takes the position made vacant by John Burke as salesman for Wm. Hay.

Our horticultural society had an enjoyable outing at Kingston College last Thursday.

W. S. Nichols has been quite busy of late; his crop of Sweet Peas is doing finely. Sunday, Mr. Nichols had a large amount of bouquet work and decorations for Fireman's Day, upward of 30 bouquets were made for the members of Hampton Meadows Fire Co.

Mr. Fred Hoffman, Pawtucket, R. I., is a very active man these days; when business does not keep him at home he is enjoying the pleasure of automobiling. Mr. Hoffman has had a grand season this Spring. He will soon commence tearing down and enlarging his plant and office.

Mr. John Sharkey, manager Elmwood Nurseries, was at Fall River, Mass., last week on a business trip for the firm. Mr. Sharkey was instrumental in getting the order for the second thousand trees to be planted by the city of Providence. The number of trees now pledged by individuals and corporations to beautify Providence is nearing the 3000 mark, with fair prospects of 5000 or more.

Swan Peterson, East Providence, was busy with funeral work and bouquets for Fireman's Day last Sunday.

Mr. Sterns, representing Sefton Mfg. Co. of Chicago was in town recently. Walter Mott was also a visiter among the trade.

Reed & Keller's representative was in Providence Saturday calling on the trade.

Wm. Jergens of Newport, R. I., was in town recently, getting orders for Lily of Valley and American Beauty Roses.

Senator Henry C. Anthony of Portsmouth, R. I., was in town Monday calling on the trade. Mr. Anthony has a large acreage devoted to seed growing; Onion seed he grows by the ton, also Turnips, Beets, Kale, Sweet Corn, Beans, etc. The recent cold weather has damaged some of the growing crops.

Johnston Bros., Dorrence st., had a large decoration at Narragansett Hotel for the infantry company last week, which consisted mainly of red Roses. Their display of Gladiolus America in their window has caused quite some comment; their window always has an inviting appearance.

F. Macrea & Sons report business same as usual; they are cutting some nice Roses, Carnations and Lilies.

N. D. Pierce, Norwood, R. I., Nurseries, was in town this week, also Wm. Crompton of East Greenwich, R. I.

J. H. Cushing of Quidnick, R. I., was in town; he is offering some fine Geraniums, Salvias, Vincas and Chrysanthemums to the trade.

T. J. Johnston & Co., Weybosset st., report business going on same as usual, no special rush. Sunday was Fireman's Day in the New England States and this made business good among the trade in line of decorations, bouquets, etc.

The continued wet weather is causing a considerable amount of replanting among the farmers and market gardeners. Corn and vine seeds have suffered to a considerable extent; so far this month we have had but few pleasant days.

A. J. Olsen of East Providence is bringing in some fine Carnations and Sweet Peas.

Halliday Bros. of East Providence, seedsmen, have commenced closing their store for the usual half holiday Thursday afternoons. The Providence seed houses, W. S. Pino, Providence Seed Co., W. E. Barrett Co., will close as usual Saturdays at one o'clock during July, August and September.

J. Koppleman & Co. are treating their store to a coat of paint and making a few changes to the interior which will improve its appearance. H. C. N.

St. Louis

Visitors in town last week were S. S. Skidelsky of Philadelphia, Harry Balsley of Detroit, E. W. Guy, H. Emunds, A. S. Halsted and Geo. Grashart of Belleville, H. Johann of Collinsville, Ill., and J. F. Ammann of Edwardsville, Ill.; all had a good word for this season's business. The visitors all attended the Florists' Club meeting on Thursday.

Richard Frow and the Eggeling Floral Co. suffered a big loss of glass during the hailstorm at Normandy on Thursday, June 9. The storm also did great damage in the local parks and especially those in the western part of the city.

The doctor's convention last week made considerable business for florists near the big hotels. All say that doctors are great lovers of flowers.

The Paris Floral Co., which is owned by F. J. Foster at Broadway and Olive sts., received their handsome new ice box last week.

F. H. Weber has purchased a stylish new automobile of the latest type in which he and his wife make frequent trips to the country.

Frank A. Weber, who was at Denver last week attending the Nurserymen's convention, writes that he will make a two weeks' trip West from there and be home the latter part of the month.

An important meeting was held last week by the St. Louis Retail Florists' Association in the Knights of Columbus Hall. The meeting took place Monday, June 6, with 18 members present and C. C. Sanders presiding. The proceedings were not made public. The program was on the wholesalers selling at retail and the high prices that prevailed at the different holidays. Secretary Weber states that another important meeting will be held in two weeks when these two subjects would be brought to a head for the Association to act upon.

FIELD-GROWN CARNATIONS

FALL, 1910

	Per 100	Per 1000
Sangamo	$12.00	$100.00
May Day	7.00	60.00
Winona	7.00	60.00
Afterglow	7.00	60.00
Winsor	7.00	60.00
Enchantress	6.00	50.00
White Enchantress	7.00	60.00
White Perfection	$7.00	$60.00
Snow Flake	6.00	60.00
Georgia	6.00	60.00
Mrs. J. C. Vaughan	6.00	60.00
O. P. Bassett	6.00	50.00
Bay State	6.00	50.00
Wanoka	6.00	60.00

We are now booking orders for Field-Grown Carnations, strong, healthy stock ready about July 15. Send us your order and we will reserve plants for you.

S. J. REUTER & SON, Inc., Westerly, R. I.

Please mention the Exchange when writing.

CHICAGO CARNATION CO.
JOLIET, ILL.

Please mention the Exchange when writing.

The Engelman Botanical Club held a pleasant and well attended meeting on Monday evening, June 13, at the Missouri Botanical Garden. A feature of the meeting was a paper by Dr. Herman Von Schrenk of the Missouri Forestry Commission on "Forestry in Missouri," which was pleasing and interesting. Mr. L. P. Jensen, the secretary and treasurer of the Club, says the Club had a most successful year. Each meeting during the month was well attended and all papers read proved beneficial to the members.

The lady florists, who also have an organization, called The Ladies' Home Circle, held their monthly meeting at Chautauqua, just above Alton, Ill. They spent a night and a whole day at a cottage owned by the Misses Meinhardt. The party left Wednesday, June 8, at 7 p.m. and returned Thursday, 7 p.m.; the only drawback was the bad weather; it rained nearly all the time. The meeting took place on Thursday afternoon, and Mrs. F. H. Meinhardt entertained the members with a reading on wild flowers which was much enjoyed. After the meeting the time was spent in climbing the hills and gathering flowers and Ferns which they brought home with them, roots and all, for cultivation. The next meeting of the Circle will take place at Central, St. Louis Co., the home of Mrs. John Steidle, the president of the Club, and all were instructed to bring their better halves with them. Those who made the trip were Mrs. John Steidle, Mrs. Theo. Miller, Mrs. J. J. Beneke, Mrs. Otto Koenig, Mrs. F. H. Meinhardt, Mrs. Schitzle, Mrs. J. L. Koenig, Mrs. F. C. Weber, Miss Adel Weber, Miss T. Meinhardt and Miss B. Meinhardt. ST. PATRICK.

SHASTA

For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

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Carnations

F. Dorner & Sons Co.
LA FAYETTE, INDIANA

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By Geo. W. Oliver, Propagator to the Bureau of Plant Industry, U. S. Department of Agriculture.

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NOS. 2 TO 8 DUANE ST., N. Y.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

F. E.—The Best Advertising Medium

A Prominent Florist Recently Came to Wyncote and Looked Over Our Palm Houses, Including This One

He has purchased heavily from us before, and came several hundred miles to personally place his order again *this* year.

Before he left, he assured us that he wouldn't have any more imported Palms. "Heacock Quality" had convinced him, and had made him a "repeat" customer.

We have on our books scores of others like him—customers who stay with us year after year because our stock has "made good" with them and their trade and enabled them to build up a Palm department showing a steady profit.

Have *you* learned the advantages of handling our Palms? If not, you cannot select a better time to commence than this Summer; we have an unusually fine stock just now, and can ship on short notice. Look over the list and get in touch with us by next mail.

Areca Lutescens

	Each
6-in. pot, 3 plants in pot, 26 to 28-in. high	$1.00
7-in. pot, 3 plants in pot, 30 to 32-in. high	2.00
8-in. pot, 3 plants in pot, 36-in. high	2.50
8-in. pot, 3 plants in pot, 42-in. high	3.00

Kentia Belmoreana

	Doz.	100
5-in. pot, 6 to 7 leaves, 18-in. high	$6.00	$50.00
5-in. pot, 6 to 7 leaves, 20-in. high	9.00	70.00
	Each	Doz.
6-in. pot, 6 to 7 leaves, 22 to 24-in. high	$1.00	$12.00
9-in. tub, 6 to 7 leaves, 42 to 48-in. high	5.00	
9-in. tub, 6 to 7 leaves, 5-ft. high	$7.50 & 8.00	

Cocos Weddelliana

	Per 100
2½-in. pot, 8 to 10-in. high	$10.00

Made-up Kentia Forsteriana

	Each
9-in. tub, 4 plants in tub, 42 to 48-in. high	$4.00
12-in. tub, 4 plants in tub, 6-ft. high	15.00

Phoenix Roebelenii

	Each
5-in. pots, nicely characterized	$1.00
6-in. pots, nicely characterized	1.50

"When in Philadelphia be sure to look us up."

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

Please mention the Exchange when writing.

ORCHIDS

ARRIVED THIS WEEK

CATTLEYAS
TRIANAE
LABIATA
SCHROEDERAE
MOSSIAE
GASKELLIANA
MENDELII

DENDROBIUMS
CAMBRIDGEANUM
CHRYSOTOXUM
CRASSINODE
JAMESIANUM
DEVONIANUM

RENANTHERA IMSCHOOTIANA

VANDA COERULEA

CYPRIPEDIUMS
BELLATULUM
CHARLESWORTHII

LAELIA ANCEPS ALBIDA

ONCIDIUM CAVENDISHIANUM

G. L. FREEMAN CO.
FALL RIVER, MASS.

Please mention the Exchange when writing.

JUST ARRIVED

ORCHIDS

Guaranteed True Type

Cattleya Trianae Cattleya Mendelii
Cattleya Schroederae
Cattleya Gigas Cattleya Aurea

In excellent condition. For prices apply to

JOHN DE BUCK
C/O MALTUS & WARE
14 Stone Street NEW YORK CITY

Please mention the Exchange when writing.

ORCHIDS

We are glad to notify our retail customers that we have not anything to do with August Millang Store; therefore if you wish to favor us with your orders, call us by telephone, 511L, Madison, N. J., or to our address in Madison, N. J.

ORDONEZ BROS.

Please mention the Exchange when writing.

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ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, ST. ALBANS, ENGLAND
and 235 Broadway, Room 1, New York City

Please mention the Exchange when writing.

ORCHIDS Just arrived, in fine condition a large shipment of **Cattleya Trianae**, also **C. Gaskelliana, Oncidium varicosum Rogersii, O. crispum, Miltonia cuneata, Laelia crispa, L. Perrinii** and many more.

Another lot of **Cattleya Mossiae** and **C. labiata** due shortly.

LAGER & HURRELL
SUMMIT, N. J.

Please mention the Exchange when writing.

Los Angeles, Cal.

E. D. Sturtevant of Hollywood has succeeded in crossing Calochortus venustus with the Gesneriana family of Tulips; and now that this veteran horticulturist, with the enthusiasm of youth in his work among plants, has pointed out the way to plant breeders, in hybridizing these two beautiful members of the same family, what may we expect in the race of plants which may be the result of this union. One parent is a native of a country which is rainless, and without fog or dew, six months of the year, and has the hairy appearance and exquisite coloring of some large butterflies; the other is a native of more humid regions, and has gorgeous colored flowers, smooth of petal and large of size. It does not enter into the heart of man to conceive the beautiful scenes in flower gardens of the future, because of the tireless energy of this one man. Evidently, we are only entering the borderland of horticultural and floricultural possibilities, without a probability of reaching the center a century hence.

Wm. Niel Campbell, seedsman, of Pasadena, has made great improvements in his store, to facilitate the handling with dispatch his increased business.

A new nursery and plant growing establishment has been founded at Hollywood, Cal., by Mons. P. J. Stockman. It is to be known as the Cocos and Kentia Palm Co. Extensive lathhouses are in course of construction, as well as cold frames and a greenhouse for propagating. This is only the preliminary work of an extensive nursery, the exact location of which has not yet been decided upon. The founder is a priest in the Catholic Church, an enthusiastic and thoroughly trained horticulturist, with ample means and executive ability to carry the project to a successful conclusion. Because of a siege of sickness, from which he is rapidly recovering, the work was not pushed as rapidly the past two months as it otherwise would have been.

Charles Winsel, our enterprising seedsman, will occupy part of the new fireproof building now being constructed on the corner of Second and Main sts. as soon as it is finished, which will be some time in July, perhaps not until Aug 1. The growth and development of this man's business is amazing. He outgrows his quarters so rapidly that soon he will be under the necessity of renting or buying an entire building to meet the requirements of his trade.

The Pasadena Gardeners' Association, undaunted by the financial loss they sustained in connection with their last flower show have decided to hold their regular Fall flower show, Nov. 3, 4 and 5. The management of Hotel Maryland, one of our best Summer and Winter caravansaries, has tendered "the boys" the use of their spacious grounds free of charge for the purpose, and also offered to furnish the electric lights. An active campaign is to be started at once to secure a fund for premiums which will be large enough to induce growers outside of Pasadena to enter the contest. The premium list will be made out and be ready for distribution about July 15, and may be had by applying to the secretary.

P. D. B.

ORCHIDS

We have imported, this year, all the commercial Cattleyas. We will have again Cattleya Lawrenceana, Gaskelliana, Dowiana and Percivaliana. Write to-day.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

Please mention the Exchange when writing.

Coming Exhibitions

Minneapolis, Minn., Nov. 10-16, 1910.—Flower Show of the Minnesota State Florists' Association. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

New Bedford, Mass., Sept. 15-17, 1910. Annual exhibition of the New Bedford Hort. Soc.

Newport, R. I., June 23 and 24.—June exhibition of the Newport Horticultural Society at Masonic Hall. Secretary, Daniel J. Coughlin.

Orange, N. J., October 1, 1910.—Fifth Annual Dahlia Show of the New Jersey Floricultural Society, from 4 to 10 p.m. Schedules on application to William Reid, secretary.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, Secretary, 6473 Florissant ave., St. Louis.

Tarrytown, N. Y., June 14.—June Show of the Tarrytown Horticultural Society. E. W. Neuhrand, secretary.

Florists' Club of Washington, D. C.

The Florists' Club of Washington, D. C., held its regular monthly meeting on the evening of June 7, at the store of Gude Bros. Co., President John Robertson in the chair. The name of Albert Schnell, manager for the local Florists' Exchange, was proposed for membership.

It was the endeavor of some present to have the Club's annual outing take place this month, but owing to pressure of business on the part of the committees who usually manage such affairs the outing was postponed until July, and at the next meeting a committee on same will be formed and no doubt given full authority in the matter of selecting a place, date, etc. For the past two or three years the Club has gone to the Great Falls of the Potomac, and as each time the outing proved such a success, and was so much enjoyed by the florists, their families and friends, there is but little doubt that history will repeat itself upon the forthcoming occasion.

The first Tuesday in July will be the next meeting night of the Club, and a large attendance is earnestly looked for.

J. L. C.

Newport (R. I.) Horticultural Soc.

A regular meeting of this Society was held on Tuesday evening, June 14, with a fair attendance. Pres. Robertson was in the chair. C. Oscar Schultz had on exhibition a remarkably well flowered plant of Cattleya Mossiæ, grown in an 8-in. basket, carrying 31 open flowers, beside buds, and nine blooms had been cut. On recommendation of the committee on awards a first-class certificate of merit was awarded for superior culture to Mr. Schultz. Mr. Schultz was asked to give his method of treatment, which evidently gives good results, and he very modestly gave all the credit to the young man who has charge of his Orchids, Walter Egelston, but stated, however, that while his Orchids were not given any stimulants in watering, yet they are given liquid food in the form of vapor during the growing season, varying from cow to sheep manure, which is simply sprayed about the floors and benches at the time of closing up for the night. Mr. Schultz stated that trying to retard Cattleya gigas so as to have flowers for the Newport season, by keeping them in a temperature of from 40° to 45° simply ruins the stock. An offer of a silver cup by Henry A. Dreer, Inc., was accepted, with the thanks of the Society; the cup is offered for a collection of from 15 to 18 species of herbaceous cut flowers, to be shown at the September show, on a table 3x10 ft., and is to be won twice before becoming the property of any competitor. The names of Frank Jenkins and William Gray were proposed for membership. The president appointed James McLeish as chairman of the committee of arrangements for the June show, with Andrew S. Meikle as assistant. Messrs. Forbes and Schultz gave a good account of the Orchid Show recently held in Boston, speaking only in praise of what they considered the best show ever given in this country.

A. MacL.

Morris Co. (N. J.) G. and F. Society

This organization gathered in goodly number, June 8, to hear Mr. John E. Lager tell us something about Orchids. That gentleman spoke without notes. At the outset he said he considered it presumptious to speak on culture in the presence of so many who could grow as well as he, some perhaps better, and he only did it because he was so requested.

The different families of the Orchid were gone over and something in a general way of the requirements of each was dwelt on. Mr. Lager gave practical instructive notes and advised of the many pitfalls that were in the pathway of the Orchid grower.

A hearty vote of thanks was accorded to the speaker. Many questions were asked of Mr. Lager on potting, housing, feeding, shading and watering, all of which he was much pleased to answer.

Arrangements by the committee for the Fall flower show are going on steadily. Arthur Herrington was unanimously chosen as manager of the show.

Mr. Herrington is a busy man in his new calling, that of landscape architect, but it is hoped that he can be up with his work by November sufficiently to give his time to the show. We are sure that we have chosen the right man for the position, and it is fortunate that he is able to accept this responsibility, for no man is more alive to the requirements, nor better fitted to fulfill them.

Joseph Manda spoke of the Boston Orchid Show, as did A. Herington. The very highest tribute was paid to it, and New Jersey's part there was noticeable.

Wm. Duckham spoke of the Boston Park system, advising us to visit it as opportunity was afforded.

The society adjourned its monthly meeting until September 14 next, this being the custom for some years.

E. R.

Nassau County (N. Y.) Hort. Soc.

The annual Summer show of the Society was held at Pembroke Hall, Glen Cove, on June 8. The hall was well filled, and visitors were unanimous in their praises of the fine display. Messrs. H. Turner, Walter Shaw and D. McFarlane acted as judges for the day. H. S. Phipps, Jr., Roslyn, was elected an honorary member; two active members were also elected, and two applications for membership received. The next meeting is to be Sweet Pea night, several prizes being offered for competition. The awards in the floricultural classes were: Best collection T. and H. T. Roses—G. B. Wilson, Roslyn. Best 12 H. P. Roses—1, G. Asworth, Glen Cove; 2, G. Wilson. Best 12 T. and H. T. Roses, 1, H. Gaut, Glen Cove; 2, G. Wilson. Best vase of H. P. Roses—R. Marshall, Glen Cove. Best vase H. T. Roses—H. Gaut, Glen Cove. Best collection Rambler Roses—H. Gaut. Best collection herbaceous flowers—J. Halloway, Glen Cove, with a fine exhibit of 59 varieties, much admired by all, especially a beautiful display of 20 distinct varieties of Pinks: Best 3 vases of Peonies—1, H. Gaut; 2, J. Elmslie. Best vase of Peonies—H. Gaut. Best vase of Delphiniums—J. Elmslie, Glen Cove. Best vase Snapdragons—H. Gaut.

A cultural certificate was awarded to F. O. Johnson for 7 vases of Roses, best blooms in the show; also to Julius Roehrs Co., for a splendid display of Orchids, and to H. Fleishauer for a grand display of Roses, Sweet Peas and Strawberries. Hon. mention was awarded to W. Ross, gardener to H. S. Phipps, Roslyn, for two beautiful Ferns, also a vote of thanks for display of Roses not entered for competition; votes of thanks to V. Cleres for Campanulas, E. Westerbee for vase of Roses, Paul Reuil for vase of Roses. The winners of the monthly prizes were: G. B. Wilson for best Pteris, also best Adiantum; I. McDonald for best Nephrolepis.

OSCAR E. ADDOR, Cor. Sec.

St. Louis Florists' Club

One of the most pleasant and largely attended meetings the club has had for many years took place on Thursday afternoon, June 9, in Odd Fellows' Building. The occasion being the 23d anniversary of the Club, the trustees had arranged for a smoker. This, with the elaborate notices sent out by Secretary Beneke, brought out the big attendance which was a pleasure to see, and the officers were in great glee. The report showed fifty members present and two visitors, Harry Balsley of Detroit, and S. S. Skidelsky of Philadelphia.

The meeting was called to order at 2 p.m., and, the opening preliminaries disposed of, the chair ordered all committees to make full reports. Mr. Bentzen, chairman of the trustees, reported that they had arranged the date and place for holding the annual outing of the club, which will take place Thursday, July 21, at Romona Park.

The Bulletin Committee, with Mr. De Wever chairman, reported that the committee wished to have more time for a full report. After a lengthy discussion, it was decided that the committee get to work at once and, if possible, have the first issue out by the next meeting of the club.

Transportation for the members who will attend the S. A. F. convention was discussed at length, and, as no notification has as yet been received by the State Vice-President, the club appointed Secretary J. J. Beneke to look after the interest of the Florists' Club members for the coming trip to Rochester.

Messrs. Weber and Beyer presented the application of H. A. Eirich, a florist of Webster Grove, for membership.

Treasurer Smith's report showed the Club in a healthy condition financially.

This ended the business matters of the meeting and the trustees took charge and entertained the members with plenty of good cigars and good discussions.

First on the program was J. J. Beneke with a paper on "Brotherly Love Among the Florists." This, Mr. Beneke stated, was written by Fritz Blumenschnider, who requested him to read it before the meeting, but it was not for publication in any of the trade papers. The paper was full of wit and humor and German dialect and, during the reading hit all three—the grower, the retailer and the commission man.

Mr. Skidelsky and Mr. Balsley were then called upon and entertained the members with good sound talk. A great discussion followed on high prices for the holidays. The issue was taken up by R. J. Windler for the retailer, J. F. Ammann for the grower and W. C. Smith for the commission man. As the hour was growing late, the discussion will be continued at the next meeting, which will be held July 14. At this meeting, the nomination of officers will take place. This, with the picnic, the first issue of the bulletin, and the discussion on high prices for flowers for the holidays, should bring out another large attendance.

ST. PATRICK.

G. and F. Club of Baltimore

The regular meeting of this Club was held in its room, June 13, President George Morrison in the chair. The meeting was well attended and considerable business was transacted. The members were so interested that many did not realize that the midnight hour was fast approaching and many had to catch trains and suburban cars and did not reach home until morning, and it is feared many excuses had to be made to the good ladies of the household.

Thomas H. White of the Md. Hort. College made an address on Fertilizers for the Greenhouses. Many questions were asked the Professor that led into hot discussions. R. Vincent, Jr., spoke on fertilizers and claims he never used manure on his place and grows all his crops without its use. The Plant and Land Food Co. was well represented at the meeting.

R. Vincent, Jr., president of the Maryland Horticultural Society, spoke of the meeting of the S. A. F. to be held in Rochester in August and urged the club to send a big delegation. He also mentioned the Summer meeting of the Md. Hort. Soc. to be held at J. G. Harrison's Nurseries, Berlin, Md., Thursday, July 28. The visitors expect to reach Berlin at 1 p.m.; luncheon will be served and addresses made from 2 to 3, and after that carriages will drive over the nurseries and orchards for the visitors to see the luscious fruit in its ripe condition, and no doubt this will be enjoyed by all. Supper will be served at 7 p.m., after which the train will leave at 8 p.m. for Ocean City and the many hotels will accomodate the guests. On July 29, at 10 a.m., discussions on different subjects will be brought forward, after which a gala day will be spent. Arrangements for tickets are now being made and endeavor is being made to secure a special rate from the hotels. Ten thousand programs will be sent out July 1, giving full information, and a large crowd is expected to attend.

Mr. Vincent will give a talk on his trip to Europe later on, and will show 250 views from Brussels, London and other centers of interest.

No assessment will be called by the Club for the late J. McNab.

The question box was dispensed with.

It was reported that the 14 year old daughter of George Mehl, Fullerton, Md., died last Sunday at his home. J. L. T.

New Jersey Floricultural Society

The regular meeting of this Society was held in Lindsley Hall, 240 Main st., Orange, on Friday June 10. The Orchid exhibits from Lager & Hurrell, Summit, N. J., Joseph A. Manda, West Orange, N. J. and Wm. Runkle, gdr. Dederich Kindsgrab were especially fine. Rose night was also observed, there being a grand display from the private estates in the Oranges. Mr. John R. Le Count of Maplewood, N. J., donated to the Society a handsome silver cup, to be competed for in such manner as might be decided upon; it will more than likely be competed for at the Chrysanthemum show in November. A hearty vote of thanks was extended to Mr. Le Count for his beautiful gift. During the evening we were honored by a visit from Mayor Arthur B. Seymour of Orange, who complimented the Society upon the excellence of its exhibits.

The Society is proud of the fact that five of its members carried off the principal prizes at the Boston Orchid Show, held recently. A standing vote of thanks was extended to such members for the courage they displayed in going to Boston and cleaning up the boards. Henry Hurrell responded saying, "I don't see why it is necessary for us to go to Boston for an Orchid show. Why can't we have one here in New York, or New Jersey? There is a tremendous loss resulting from shipping the flowers so great a distance." Joseph Manda replied in like manner, and said there was no reason why the idea could not be successfully carried out. New Jersey did itself proud, 95 per cent. of the exhibitors were Jerseymen, and 90 per cent of the prizes were carried off by the growers from this State.

John J. Dervan, gdr. to A. C. Von Gaasbeck, read a very instructive paper on "Growing Roses under Glass," which was well received. Mr. Dervan is a very successful Rose grower. He recommended propagating about January 15, using heel cuttings for the purpose, and when rooted using a mixture of one part manure to 8 parts loam, potting the plants into 2 in. pots. For the next shift he uses 3 in. pots, potting into a mixture of one part manure to six parts loam; finally potting into 4 in. pots, one part manure to four parts loam. He advised planting about June 15, on raised benches, with a compost of one part cow manure to three of good fresh loam, and pressing good and hard. Before planting in the benches he advised giving the houses a thorough cleaning, and a good fumigating with hydrocyanic acid gas, which kills all insect life.

The awards in competition for points were as follows: Roses: S. M. & A. Colgate, gdr. Wm. Reid, 95; A. B. Jenkins, gdr. Albert F. Larson, 85; A. C. Von Gaasbeck, gdr. John J. Dervan, 85; Thos. Edison, gdr. Frank Drew, 80. Carnations: Chas. Hathaway, gdr. Max Schneider, 85; William Reid, 80; John J. Dervan, 78. Flowering plants: William Reid, 95; John J. Dervan, 60. Foliage plants: William Reid, 85; Lager & Hurrell for display of Orchids, 98; Wm. Runkle, gdr. Dederich Kindsgrah, Orchids, 95. Certificates were awarded as follows, for the exhibits not in competition for points: Joseph A. Manda, Orchids, certificate of merit; Wm. Reid, Roses, cultural certificate; Chas. Ashmead, Strawberries, cultural certificate; Max Schneider, Cauliflower and Strawberries, cultural certificates; John J. Dervan, Roses, certificate of merit; Dederich Kindsgrab, Roses, certificate of merit; Fritz Berghund, gdr. for the Essex County Country Club, showed Gladioli and Carnations. The Society will not meet again until September.

WM. REID, Secretary.

Huntington (N. Y.) H. and A. Soc.

The annual Rose and Strawberry exhibition of this Society was held on June 9. The classes were mostly well filled and the quality was excellent.

The prize winners were: Robert Kelly, two for Strawberries, two for Roses and one for Peonies. Miss Cornelia Prime, for Roses. R. R. Conklin (E. S. Smith, gdr.), two for Strawberries, two for Roses, one for collection hardy flowers. John Andrews and Emmett Hawkins for Roses. Huntington Nursery Co., three for Climbing and Moss Roses and one for vase hardy flowers. Mrs. Robt. Stafford, for early vegetables.

The five dollar prize for best Rose in the show, offered by Huntington Nursery Co. was won by R. R. Conklin, (E. S. Smith, gdr.).

A. H. FUNNELL, Secy.

Buffalo

Business is running a little slack just at present but with graduations near there is something to look forward to before the dull season does strike us. Carnations seem to be plentiful with the rain we have been having and the cool weather in general. They have held their own as to size, but as usual they have a tendency to spot and grow smaller at this time of year, but so far have not done so.

Killarney Roses could not be much better than they are at present in both pink and white, and as to size, color and length of stem. Sweet Peas have been scarce in this section; one of the largest growers of outdoor Sweet Peas reports that while all his Peas bud, with the continued rains we have been having, they blast and fall off; with a little sunshine he expects to have them in for graduations.

We are sorry to report at this writing that the daughter and only child of Mr. and Mrs. Otto Gilles, bookkeeper for W. J. Palmer & Son, died on June 7. She had been operated on for appendicitis and was thought to have a good chance for recovery, but complications set in. The parents have the heartfelt sympathy of the trade.

There have been no large weddings this June. W. J. Palmer & Son had about the best one the past week, at the Westminster Church, using too large columns, with about 400 Peonies in each, with a large Palm background; it was very effective.

The growers of bedding stock are getting a chance to catch up with their outdoor work now.

The firm of Geo. McClure & Son have been held back by the rain but, with a little decent weather will be able to fill their large orders.

W. H. G.

SALEM, MASS.—E. A. Stearns has purchased the Ward greenhouses on North st., and will conduct the same business under the firm name of Stearns & Lake. Mr. Lake is a practical florist, and Mr. Stearns is a well known contractor and business man.

SPECIAL SALE AT AUCTION

We Will Offer on Tuesday, June 21st, at 10.30 a.m.

A SPLENDID ASSORTMENT OF PALMS, FERNS, Etc.

500 Boston Ferns, 5 to 12 inch pots. **200 Rubber Plants,** various sizes. **300 English Ivy,** in pots. **200 Aspidistra,** from 15 to 30 Leaves. **200 Hydrangeas,** 18 to 30 Blooms (fine plants, should flower all Summer). **200 Dracaena Massangeana** and **Lindenii, Etc., Etc.**

All the above for immediate decorative use, or for growing on.

Also miscellaneous **BEDDING PLANTS** and an assortment of

BAY TREES IN DESIRABLE SIZES

This sale will present a great opportunity for buyers to secure a seasonable stock.

The Fruit Auction Co.

Horticultural Department, J. P. CLEARY, Manager

200-204 Franklin Street
(Corner Washington Street)
NEW YORK CITY

NOTE THE DAY AND DATE

Please mention the Exchange when writing.

We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognize anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(137) Can you tell me where the cutting method is employed in the woods, field or wayside by Nature?"

—If this subscriber means nature propagating in the woods, fields and wayside, I would say yes; twigs are often broken from plants in various ways and they root when they fall, forming new plants. Bedding plants will often increase themselves in this way, also from leaves which become detached from the shoots. J. M.

(138) **Root for Identification**—Sent from Springfield, L. I., found growing in reclaimed swamp land. The owner says he has acres of this growth.—A. F. J., L. I.

—The specimen forwarded me is Gillenia trifoliata (L.) Moench., included in Britton's Manual as Porteranthus trifoliatus; also commonly known as Indian Physic and Bowman's Root. Its natural distribution is in woodlands from New York to Michigan, thence southward to Georgia and Missouri, and it is, therefore, quite hardy.—W. F. Wight, Botanist in Charge of Economic Collections, Bureau of Plant Industry, Washington, D. C.

(139) **The Work of the Spruce Gall Louse.**—I send specimen herewith showing a trouble which extends all over my Spruce trees; these are about 8 years old. Can you tell me the cause and the remedy?—H. H., New Jersey.

—The insect working on the specimen submitted is the Spruce gall louse of the genus Chermes. It is commonly met with on the White Spruce, both as a native tree and when transplanted. As a rule, this insect does no serious damage to the vitality of the tree but causes an unsightly and deformed condition of the twigs and branches. The insect can be controlled on a few small to medium sized shade trees by spraying with kerosene emulsion about the time the new growth of the twigs starts in the Spring. It is now too late to do anything until next Spring.—A. D. HOPKINS, In charge of Forest Insect Investigations, Bureau of Entomology, Washington, D. C.

(140) **Rhododendron Leaves Discolored.**—Wellesley, Mass.

—If it was, as you assume, some insect attacking the leaves of your Rhododendron last year, which caused the foliage to turn yellow, the insect does not appear on the specimens of the leaves which you submit. Should the same trouble come upon the new leaves this season, spray them, especially underside, when the sun is not shining, with Nikoteen, as directed on the package, or a solution made by dissolving Ivory soap in the proportion of one pound to twenty-five gallons of water, applied when luke warm. Furthermore, Rhododendrons should be protected in the Winter by setting up in the ground evergreen boughs on the south side of them or a shielding of boards to keep the foliage green and save the buds.

Worcester, Mass.

Peonies are doing nicely in Worcester and there are some exquisite displays in the local florists' shops. There is considerable demand for these blossoms for studio decorations at the musicales which are so numerous this month. Wedding decorations are calling for Peonies also and they are employed artistically for color and mass on mantels and in receiving bowers.

Arthur J. Marble, Allyne W. Hixon, and Leonard C. Midgely were prize winners at the Peony display at the Worcester County Horticultural Society's Show on Thursday. The blooms were in splendid condition in spite of the heavy frosts.

The shower bouquet is a leader in this vicinity for the June bride. An arm garland of Roses, and Ferns of Carnations and Ferns is also a good seller.

Window displays are more beautiful than ever. Lange's, this week, is of Peonies, and Ferns. Potted plants in many varieties make an attractive display in the window of F. A. Madaus.

Worcester florists have generously contributed to the work of the social settlement and garden city and, not only have the children who are learning a lesson in horticultural been benefited by their donations, but the public in general. On Tuesday, 3000 Pansies, donated by the florists, were set out in the Shrewsbury st. garden city and made a pleasing addition to the garden, which was formerly an unsightly dump.

Business in Worcester is said to be good, and orders keep coming in daily. Funeral work keeps some of the florists busy all of the time, but June usually brings its quota of weddings, receptions and recital decorations which call for the better quality of flowers.

Plants, especially those of the flowering varieties have met with a splendid sale this Summer. The increased demand would indicate that window boxes, and home gardens are more favored than in other Summers. E. D.

Marie Louise Violet Cuttings

Fine healthy stock, out of soil, $12.00 per 1000. Cash with order.

JOHN COOMBS, West Hartford, Conn.

Please mention the Exchange when writing.

Wildwood, N. J.

S. R. Banks is the only florist having a store here and his central location at 3411 Pacific ave., is handy to the railroad station and business section of the resort. Mr. Banks opened this store about May 1, after being out of the business for some five years, and at present time has work enough on hand to keep several men busy. One handicap is lack of suitable soil which has to be brought in by freight service. Landscape work is the leader now that the cottages are being opened for the Summer. Several hundred potted Verbenas and Petunias are being prepared for the opening of the Casino, June 16, and will be given away by its proprietors. Around each pot will be wrapped a paper napkin on which Mr. Banks has printed his name. Birds will be added as a side line for Summer trade. P. M. R.

Camden, N. J.

C. Wonderlin, 535 Federal st., reports a splendid season. On Memorial Day he prepared 16,000 sprays which were used by the local G. A. R. These sprays required the services of seven assistants who worked all Sunday night. Mr. Wonderlin has recently bought a new delivery wagon.

L. M. Mowers, 520 Federal st., is very busy this season, more so than in former years, and reports funeral work far ahead. P. M. R.

Major Bonnaffon Cuttings

Fine, healthy stock, out of soil, $2.00 per 100 $15.00 per 1000. Cash with order.

JOHN COOMBS, West Hartford, Conn.

Please mention the Exchange when writing.

Unheard of Prices

The stock given below is all first-class in every respect. We need room to plant out our large stock of Ferns. Send your orders in and we know you will be satisfied with the plants we send you.

AGERATUM, exceptionally fine, beautiful tall and dwarf varieties, 3 in., $1.50 per 100, $12.50 per 1000.
ALYSSUM, 2½ in., $1.25 per 100, $10.00 per 1000.
CANNAS, Mme. Crozy, Florence Vaughan, Queen Charlotte, Mme. Berat, Pillar of Fire, A. Bouvier, Pres. McKinley, Chas. Henderson, 4 in., strong, 12 in. to 18 in., $4.00 per 100, $40.00 per 1000.
COLEUS, Golden Bedder, Queen Victoria, Verschaffeltii, Fire Brand, Butterfly, etc., 2½ in., fine strong stock, $1.25 per 100, $10.00 per 1000.
DRACÆNA INDIVISA, beautiful, clean stock, 18 in. to 2 ft., 5 in. pots, $1.50 per doz., $10.00 per 100.
DRACÆNA INDIVISA, 6 in. pots, perfect beauties, $2.00 per doz., $15.00 per 100.
GERANIUMS, Mad. Landry, S. A. Nutt, A. Ricard, J. Viaud, 4 in., strong in bud and bloom, $4.50 per 100, $40.00 per 1000.
HELIOTROPE, beautiful stock, 3 in., strong, $1.50 per 100, $12.50 per 1000.
MARIGOLDS, very strong, 3 in., $1.50 per 100, $12.50 per 1000.
MAD. SALLEROI, 2½ and 3 in., very fine, bushy stock, $1.50 per 100, $12.50 per 1000.
PARLOR IVY, 3 in., $1.50 per 100, $12.50 per 1000.
PERIWINKLE Var., 4 in., strong, $4.50 per 100.
PERIWINKLE Var., extra strong, $6.50 per 100.
SCARLET SAGE, 4 in., extra strong, $4.00 per 100.
SCARLET SAGE, 3 in., $2.00 per 100.
VERBENAS, strong, 3 in., $1.25 per 100, $10.00 per 1000.

Cash with order, please!

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The Insecticide that will destroy plant lice of every species—out of doors and under glass.

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Madison, N. J.

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Baltimore

Business the past week was not as brisk as could be expected. The disagreeable weather certainly played havoc. The market florists trade fell off considerably and the stalls made little show.

The retailers had funeral work to fall back on, many commencements, banquets and three conventions were held last week, but all combined did not make any rush for flowers. Some little decoration work was on hand. The June brides called for their usual share of cut flowers. The rainy spell at present writing seems to let up after much damage to outdoor crops. However, the market still has a heavy supply in cut and pot flowers and they are moving slowly.

It is feared that some of the growers will have many pot plants left on their hands as the season has been anything but favorable to outdoor planting. What is planted out is looking sick from the cold rains. Roses are a little heavy in supply and are disposed of at close figures. Carnations are slackening up somewhat, but many are on the market. Sweet Peas are coming in heavily and they find a good demand. Callas are shortening up; Lily of the Valley is a little scarce.

Pot plants are almost a glut and offered at extremely low prices.

J. Speillman, Lexington Market, found the florist business slow, so opened up an ice cream stand.

A. Hilsher, E. North ave., has leased the establishment of John Schunke, his brother-in-law. The Baltimore st. store will still be run as before by Mr. Schunke.

Albert Fielder is building another greenhouse 16x100.

F. C. Bauer, Govanstown, is tearing down three houses to make ready for two up-to-date ones.

Conrad Hess is having trouble with his foliage on Gladioli. J. L. T.

WINCHESTER, MASS.—The greenhouses of Newman & Sons, at the corner of Central and Bacon sts., are to be pulled down, the land having been bought for building purposes.

MADISON, WIS.—The body of Walter P. Welsh, aged 30, an employee of the Coe & Converse Nursery Co., of Fort Atkinson, was found floating in the Yahara river on June 3. He is believed to have committed suicide.

YOUNGSTOWN, O.—The Idora Floral and Landscape Company has been organized by William Bakody and Frank Amant. It is the intention of the firm to engage extensively in the nursery business. E. S. Smith has surveyed five acres that will be utilized for a garden on Idora farm. Ground has been broken for the greenhouse and 22,000 sq. ft. will be covered. Mr. Amant is a landscape artist of many years' experience and will continue to follow his profession in connection with the nursery business.

Scottii Ferns

2¼-inch pots, $5.00 per 100, $45.00 per 1000;
8-inch pots, $1.00 each.

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SCOTT'S FAMOUS VEITCHII STRAIN

Strong, established plants from 3-inch pots, ready for a shift into 5's, or for planting in the bench.

Prices on Application

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Alternanthera Brilliantissima

Strong bushy plants, from 2¼-inch pots, price $3.00 per 100, or $25.00 per 1000.

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Coleus Verschaffeltii and Golden Bedder; also Assorted Varieties, price $2.50 per 100, or $20.00 per 1000.

Dracaena Indivisa Strong plants, 7-inch at 75c. each, 8-inch at $1.00 each. Smaller sizes at 35c. and 50c. each.

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Own Root, Fine Stock

Killarney, Perle, Sunrise and Sunset, $8.00 per 100. Richmond and Chatenay, $7.00 per 100. Bride, Bridesmaid, Carnot, Golden Gate and Kaiserin, $6.00 per 100.

GRAFTED, Fine Stock

My Maryland, 3-in., $18.00 per 100. Bride, Bridesmaid, Carnot, Enchantor, Golden Gate, Kaiserin, La France, Mrs. Jardin, Rhea Reid, Uncle John, Wootton, strong 1 year, grafted, 3-in. pots, $15.00 per 100; strong 1 year, own root, $8.00 per 100. This stock is fine for planting outside.

CHRYSANTHEMUMS

Mrs. Clay Frick, Golden Dome, Golden Glow, Mlle. A. Laurent, Money Maker, White Shaw, Yellow Eaton. Rooted Cuttings, $2.00 per 100, $15.00 per 1000.

A. J. Balfour, Autumn Glory, Ada Spaulding, Cullingfordii, Dr. Enguehard, Dorothy Devens, Early Snow, Glory Pacific, Harry May, H. W. Reiman, Ivory, Jeanne Nonin, J. E. Lager, J. K. Shaw, Maud Dean, Meta, Mrs. Jerome Jones, Miss Alice Byron, Mrs. Baer, Mrs. R. McArthur, Maj. Bonnaffon, Nagoya, Polly Rose, Riverside, Robt. Halliday, Timothy Eaton. 2¼-in. pots, $3.00 per 100, $25.00 per 1000.

10,000 CANNAS, 30 fine varieties, from 3½ inch pots, fine stock, $6.00 and $8.00 per 100.

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Ready for Immediate Sales.

	Size Pots	100
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ACHYRANTHES, 5 sorts	2¼	3.00
AGERATUM Blue and White	2¼	3.00
AGERATUM, Blue and White	3½	4.00
AMPELOPSIS Veitchii	3	8.00
ASPARAGUS Sprengeri	2¼	4.00
ASPARAGUS Plumosus	2¼	4.00
ASPARAGUS Plumosus	3	6.00
BEGONIA Erfordi, Pink and White	2	3.00
BEGONIA Crimson Bedder	3	4.00
BEGONIA Flowering Sorts	3	6.00
BEGONIA, Flowering Sorts	3½	8.00
CUPHEA Platycentra	2¼	3.00
COLEUS, All leading sorts	2¼	3.00
COLEUS, All leading sorts	3	4.00
DRACAENA Indivisa	5	25.00
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FORGET-ME-NOTS	2¼	3.00
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GERANIUMS, Dble and Single	2½	7.00
Special Varieties	3½	8.00
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IVY, GERMAN	2¼	3.00
LANTANAS in variety	3	5.00
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Address of this Advertiser on application.

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	Per 100
8 varieties, 2½-inch pots	$3.00
8 varieties, my selection, 3-in. pots	4.00
ASPARAGUS Sprengeri, seedlings	$7.00 per 1000
DOUBLE PETUNIAS, Seedlings	1.00
	2.50

Coleus

	Per 100
10 varieties, 2¼-in. pots	$2.00
ASPARAGUS Sprengeri, 2¼-in. pots	2.00
ALTERNANTHERA, red and yellow	2.00

Cash. No C. O. D.

JOS. H. CUNNINGHAM, Delaware, O.

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Extra large 4-inch stock, $5.00 per 100.

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San Francisco

The Market

As a rule we find that after Memorial Day is past the market shows signs of depression, and prices drop to an alarming extent. At present, however, no such thing has happened; on the contrary, trade is brisk, prices are up to the average and everything points to a very busy month. A recent visit to the principal retailers in town fully bears out the statement that the month of June will be one of the busiest months of the year so far.

Carnations are not quite so plentiful and the best blooms sell out well at from 25c. to 30c. per dozen, which is quite an improvement from what we were getting in the days preceding Memorial Day.

Roses are very poor at present, in fact the Roses brought into the market this week have been the worst we have had for a long time back. Bride and Bridesmaid are not worth quoting, as prices vary so much, and growers are content to get any price at all for their blooms. American Beauty also shows a slight falling off in quality; the best blooms bring from $1.50 to $2 per doz. Lilies maintain a good average price, the best of them bringing from $2 to $2.50 per doz. Sweet Peas are very plentiful and it is surprising how well they take with the flower buying-public; from 70c. to 80c. per doz. bunches is a fair return for them at present. Bride Gladioli are still to be bought in quantity and sell well at $1 per 100. Marguerites are plentiful and of splendid quality. Other flowers being disposed of in quantity are Cornflowers, Coreopsis, Gypsophila, Shasta Daisies, Candytuft and Dahlias. Orchids are in good demand, although they are becoming very scarce, and hard to get at any price. A fine lot of Cattleya gigas brought into the market this week realized 70c. per bloom. Phalænopsis are also in demand for wedding bouquets, etc. Some fine bunches of Stephanotis have made an appearance in the stores and there are few flowers which sell better. Lily of the Valley is becoming more plentiful and prices still hold out well. In green goods, Asparagus Sprengeri and plumosus are in good demand, as also is Smilax, the latter especially bringing good prices. Adiantum is plentiful and of splendid quality. A few growers have been shipping some fine fronds of Adiantum Farleyense lately, which have brought as high as 20c. per frond; this is a Fern well worth growing, either for cut purposes or to sell in pots.

Various Notes

W. Atlee Burpee and Howard M. Earl of Philadelphia were recent visitors. After a brief stay in the city they left for Lompoc, Santa Barbara County, to inspect the extensive seed farms in that vicinity.

J. G. Morley, late superintendent of the Los Angeles parks, has decided to go into business as a landscape architect, and will have as his partner J. Hyde Powers, who is well known in that district. We wish Mr. Morley every success in his new venture, and we feel sure that his abilities in this line of work will be appreciated by the people of Los Angeles and vicinity, whom he served so faithfully during his tenure as park superintendent.

Prof. Albert Snyder of the botany department of the Pharmaceutical Society of California has addressed a letter to

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and Golden Bedder, 2¼-in. pots, $2.00 per 100; Rooted Cuttings of the same, $6.00 per 1000; Rooted Cuttings in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.

Cash with order.

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154 Van Vranken Ave., SCHENECTADY, N. Y.

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COLEUS

Verschaffeltii and Victoria, 2-in., strong, transplanted stock, $2.00 per 100, $18.00 per 1000; Rooted Cuttings of same varieties, $5.00 per 1000. Cash please.

RUDOLF NAGEL, Lancaster, Pa.

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COLEUS

Crimson Verschaffeltii, Golden Bedder and Assorted, $1.50 per 100.

GERANIUMS: Nutt, Poitevine, Doyle and Others, 3-in. pots, $3.00 per 100.

SALVIAS, HELIOTROPES, FEVERFEW, 2-in. pots, $2.00 per 100; 3-in., $3.00 per 100.

AGERATUM GURNEY, VERBENAS, 2-in., $1.50 per 100.

ASTERS, PHLOX and SINGLE STAR PETUNIAS; 2-in. pots, $1.00 per 100.

Cash with order.

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Geraniums

3-in. stock, in bud and bloom. Nutt, Ricard, Poitevine, Castellane, Doyle, Buchner, $4.00 per 100; $35.00 per 1000; 2-in. stock of the above and other standards, $15.00 per 1000, $1.75 per 100. R. C. Nutt, $10.00 per 1000.

Cash, please.

RUDOLF NAGEL, LANCASTER PA.

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GERANIUMS

Ricard, Poitevine, S. A. Nutt and Viaud, 2-in., $2.00 per 100, $15.00 per 1000.

Rooted Cuttings: Ricard, S. A. Nutt, Poitevine and Buchner, fine stock, $10.00 per 1000.

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400 Beaute Poitevine. Strong, bushy plants, in bud and bloom, 3½-in. pots, $5.00 per 100. Cash with order please.

John R. Mitchell, MADISON N. J.

CULTURAL DIRECTIONS

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

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TRADE LIST

CLEMATIS paniculata, strong plants, $10.00 per 100; 3-in. pots, $5.00 per 100.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100.

PASSIFLORA coerulea, 3-in. pots, $5.00 per 100.

ALTERNANTHERAS, four varieties, 3-in. pots, $2.00 per 100.

AMPELOPSIS Veitchii, 4-in. pots, $10.00 per 100; 3-in. pots, $5.00 per 100.

ROSE GERANIUMS, 3-in. pots, $4.00 per 100.

CHRYSANTHEMUMS, Golden Glow, White Cloud, and Pacific Supreme, 2½-in. pots, $3.00 per 100.

CLEMATIS Vitalba, strong seedlings, $1.00 per 100; $8.00 per 1000. This is a very useful and fast growing variety of Clematis, bearing long sprays of sweet scented white flowers.

Plants from 2½-in. pots, $3.00 per 100: ACHYRANTHES; PARLOR IVY; COLEUS, Verschaffeltii, Queen Victoria, Quintricolor; SALVIA Bonfire.

HONEYSUCKLE, WOODBINE. Plants, from 4-in. pots, $1.50 per doz.

SALVIA Bonfire, fine plants, from 3-in. pots, $4.00 per 100.

MOON VINES, 3-in. pots, $4.00 per 100.

C. EISELE

11th & Westmoreland Sts., PHILADELPHIA, PA.

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interested parties requesting co-operation in the passage of a bill by the next Legislature for the establishment of an experimental garden in Golden Gate Park, for medicinal plants. A tract of five acres is to be planted, providing the Legislature authorizes an appropriation to care for the plants. John McLaren, superintendent of Golden Gate Park, and Prof. Snyder are both of the opinion that such a garden would prove of great educational interest to the people of San Francisco.

The park at Harrison st. and Stanley Place, donated to the city of San Francisco by the Miller, Griffith Co., has been named Home Park, at the request of the donors.

The planting of emblematic designs to commemorate the 60th anniversary of the admission of California to the Union, by the Native Sons, has been completed in Golden Gate Park, and Superintendent McLaren is to be congratulated upon the fine example of carpet bedding which he has given us. Among the designs are a prairie schooner crossing the plains, with pioneers leading the way, and an Indian in the distance; the great seal of the State; the bear flag; the emblem of the Native Daughters; and a large American flag. Beneath these pretty designs, the word "welcome" in large letters appears, flanked by "1876," the year of the founding of the Native Sons and "1910," the present year. Altogether it is a magnificent example of carpet bedding, and one of the finest pieces of this class of work seen in the park for many years.

The Mac-Rorie-McLaren Co. received a shipment of fifty cases of Cattleyas this week. This concern has been doing a fine business in Orchids of late.

H. Moulton, horticultural inspector for San Francisco reports that this year has been an exceptionally busy one for the department of horticulture. He reports that the shipments of bulbs and shrubs from Japan have been especially heavy this year, and as a rule they were badly infested with scale and other insect pests, and naturally have kept the fumigating staff continually on the move.

Four new greenhouses will be built on the Sterns' Estate at Menlo this Summer. The Lord & Burnham Co. has been awarded the contract for their construction.

Kenneth Murray of Redwood City is busy among his Carnations these days. He has a grand lot of field-grown stock this year.

Frank Roach of Menlo intends to grow over eighty thousand 'Mums this year, in addition to various houses devoted to Carnations and Roses. One of the finest collections of Crotons and Anthuriums in America is to be seen at the J. B. Corvell Estate at Menlo Park at present. Mr. McDonald, the head gardener, is to be congratulated upon the fine condition of these plants, which are a credit both to himself and his employer.

George Ward, late of the Mills Nursery at Palo Alto, has accepted a position on the Smith Estate at the Peppers, near Palo Alto.

The Board of Trade recently formed by the leading growers of San Francisco and vicinity, for the purpose of protecting themselves against business people of doubtful character, is progressing favorably. A meeting will be held next week for the purpose of electing officers and putting the Society on a firm financial basis.

The usual monthly meeting of the Pacific Coast Horticultural Society was held in Poleta Hall, June 5, with President Matara in the chair. The exhibition committee reported that it had been decided to hold the annual exhibition in the Hotel Fairmont, Oct. 20-22. Some very fine exhibits were to be seen on the exhibition table, including a new form of Pteris cristata and a collection of Primulas from H. Plath, also a fine lot of Campanulas from B. Kettlewell. Three new members were elected and a most enjoyable evening came to a close at 11 p.m.

Retail florists report that June weddings have been more numerous this year than in previous years and that business is rushing all the time.

The Oakland Horticultural Society has decided to hold its annual picnic at Santa Cruz this year.

Julius Eppstein, the St. Francis florist, has been putting up some very effective decorations in the St. Francis Hotel lately. Mr. Eppstein is rapidly gaining a reputation in the decorative art.

Adolph Johnson of Oakland is at present touring through Mexico on his vacation.

J. Holland of Berkeley is busy erecting a new plant house.

WM. MCM. BROWN.

New Bedford, Mass.

Trade has been rather quiet the past week. Flowers are plentiful, with demand rather light. Carnations are in good supply, retailing at 50c. per doz. Roses of good quality sell at $1.50 per doz.; Lilies, $2 per doz.; Snapdragons, 75c. and $1 per doz.; Gladioli, $1 per doz., all retail. Flowers from out of doors, are now blooming freely. Roses are in bloom. There is still a good call for Geraniums and other bedding plants. Pansies and Daisies are about all done; it has been a very good season for them.

Funeral work is very good; this uses up large quantities of stock. The street fakir is still on deck, selling Roses and Carnations at awfully cheap prices.

Wm. P. Peirce is showing lots of bedding plants and flowers at his Union st. store. M. B. Sylvia, of the Dartmouth St. nurseries, reports a continued demand for shrubs; this has been a good season with him. Wm. Livesey and M. B. Sylvia were in Boston the past week and while there visited the New England Nurseries at Bedford, Mass.

The children in the home garden contest are already showing surprising results in their work.

Young stock in the field is looking fine; the recent copious rain have started them off well. There is a good demand for Aster plants; they sell at 10c. and 15c. per doz. retail; also a good demand for Tomato plants to be set out in the garden.

R. H. Woodhouse will have an immense lot of 'Mums for this Fall.

HORTICO.

WE call special attention to our large stock of **FERNS,** in all the leading varieties. We particularly mention **NEPHROLEPIS SCHOLZELI** and **NEPHROLEPIS COMPACTA,** both of which are exceptionally fine varieties for growing on.

Neph. Scholzeli
2¼-in. pots, strong plants...$8.00 per 100; $75.00 per 1000
4-in. pots, strong plants..$25.00 per 100; $225.00 per 1000
6-in. pots .....$6.00 per doz.; $45.00 per 100

Neph. Scottii
2¼-in. pots, strong plants..$5.00 per 100; $45.00 per 1000
4-in. pots, strong plants..$15.00 per 100; $120.00 per 1000
7-in. pots, strong plants....$0.00 per doz.;$65.00 per 100
8-in. pans, strong plants...$12.00 per doz.; $90.00 per 100
10-in. pans, strong plants .....$24.00 per doz.

Neph. Todeaoides
2¼-in. pots, strong .....$6.00 per 100; $50.00 per 1000
4-in. pots .....$20.00 per 100
8-in. pans .....$12.00 per doz.
11-in. tubs, very handsome .....$36.00 per doz.

Neph. Amerpohlii
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.

Neph. Compacta
2¼-in. pots, strong plants.$15.00 per 100; $125.00 per 1000

Neph. Elegantissima Compacta
4-in. pots .....$25.00 per 100

Areca Lutescens
Very strong, 3 plants to pot, 30-34 in. tall, at $1.50 and $2.00 each.

Dracaena Massangeana
6-in. pots .....$18.00 per doz.
7-in. pots .....$24.00 per doz.
8-in. pots .....$30.00 to $36.00 per doz.

Ficus Pandurata, at $2.00, $3.00, $4.00 and $5.00 each
(Branch), at .....$2.50, $3.00, $4.00 and $5.00 each

Crotons
4-in., well colored .....$25.00 per 100
5-in., well colored .....$50.00 and $75.00 per 100
6-in., well colored .....$9.00, $12.00 and $15.00 per doz.
Well colored specimens at $1.50, $2.00, $2.50, $3.00, $3.50 and $4.00 each.

Pandanus Veitchii
Beautifully colored .....$5.00 per doz.; $45.00 per 100

Cyclamen.
We are the largest growers of Cyclamen in America. The stock offered this year is the very highest quality.
2½-in. pots, very strong....$8.00 per 100; $75.00 per 1000
3-in. pots, very strong.....$10.00 per 100; $90.00 per 1000
This stock is much heavier than is generally offered in the above sized pots and will make specimen plants for Christmas sales.

Gardenia Veitchii
2¼-in. pots .....$8.00 per 100; $75.00 per 1000
5-in. pots .....$5.00 per doz.;$35.00 per 100
6-in. pots .....$6.00 per doz.

Standard Baby Ramblers, Crimson, very strong, $1.25 each.
Standard Baby Ramblers, White, very strong, $1.25 each.

CHRYSANTHEMUMS
General Collection, 2¼-in. pots, $3.00 per 100, $25.00 per 1000.

ROBERT CRAIG COMPANY, 4900 Market Street, PHILADELPHIA, PA.

Please mention the Exchange when writing.

GERANIUMS
Fine Stock. In Bud and Bloom.

500 **B. Poitevine**, 300 **Doyle**, 4-in., 300 **Nutt**, 3½-in., 6c. each; 1000 **S. A. Nutt**, out of sand, ready for 3-in., $15.00 for the lot.
150 **SALVIA Zurich**, 4-in., 5c.; 200 **PETUNIA**, double white, 3-in., 4c., nice blooms; 200 **Kathleen Mallard LOBELIA**, double, 2½-in., 3c.; 100 **Dwarf French MARIGOLD**, 3-in., 3c.; 100 **VERBENAS**, assorted colors, 3-in., 3c.; 200 **COLEUS**, well colored, 3-in., 3c.; 100 **ABUTILON** or **SILVER MAPLE**, 3 and 4 in., 10c. each.
Later will have 4000 **Bride** and **Bridesmeid ROSES**, 3½-in., in fine condition; stock grown for own use.
Cash please with order.

LLEWELLYN, Florist, Olean, N.Y.

Please mention the Exchange when writing.

VINCA VARIEGATA 4 inch $10.00 per 100.
GREVILLEA ROBUSTA 4-in. (splendid for Vase and Boxwork), $10.00 per 100.
ASPARAGUS SPRENGERI Heavy tops, $6.00 per 100
Strong, thrifty stock.

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Please mention the Exchange when writing.

ALTERNANTHERAS, Red and Yellow, $2.50 per 100, $20.00 per 1000.
ECHEVERIAS, $2.00, $3.00 and $4.00 per 100.

JOHN ALBRECHT
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Bedding Plants
GERANIUMS

S. A. Nutt, Beaute Poitevine, and A. Ricard, 3½-in., $5.00 per 100.

HELIOTROPE and **ROSE GERANIUMS,** 4-in., $5.00 per 100.
VINCA Variegata, 4-in., $10.00 per 100.
FUCHSIAS, 4-in., $7.00 per 100.
Mme. Salleroi Geraniums, 3-in., $4.00 per 100.

COLEUS, Verschaffeltii, $15.00 per 1000.
CANNAS, Souv. de Ant. Crozy and Duke of Marlborough, 4-in., $6.00 per 100.

Zinnias, Ageratum, Sweet Alyssum, Heliotrope, Begonia Vernon, 2¼-in., $2.00 per 100.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.

Please mention the Exchange when writing.

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Two notable conventions are reported in this week's issue; namely, that of the American Association of Nurserymen and that of the American Peony Society. Readers interested in the work of either of these societies and who are desirous of keeping abreast of the times, would do well to read our very full accounts.

The American Association of Nurserymen has set forth clearly and distinctly certain principles which, if adhered to, will undoubtedly be of benefit to that business.

The address of President B. H. Farr and reports of other officials of the American Peony Society are bristling with good points and suggestions.

The National Spring Flower Show

It has been decided to hold the exhibition the last week in March, 1911. Mechanics' Building on Huntingdon ave., Boston, was selected. Mr. Frank R. Pierson, chairman of the Flower Show committee, in issuing a call on the guarantors for 20 per cent. in order to make a payment on the lease and to meet other necessary incidental expenses, states that everything points toward this being the most successful show ever held in America.

The city of Boston, for the 1911 Show, was urged by the EXCHANGE from the very beginning. It is, to our mind, the ideal Eastern location for this huge enterprise, its own people are great patrons of floriculture, and it is in every respect a most fitting center from which to inaugurate the first of our S. A. F. National Spring Flower Shows.

National Sweet Pea Society of America

The following additional prizes have been offered for the annual exhibition of this Society to be held in July:

Stumpp & Walter Co.'s Prize; for the best three vases of Sweet Peas, Spencer type; 1st $5, 2d $3, 3d $2.

J. M. Thorburn & Co.'s Prize; for the best vase of pink Sweet Peas; 1st $5, 2d $3, 3d $2.

John Lewis Childs' Prize; for the best vase of white Sweet Peas; 1st $5, 2d $3, 3d $2.

Sutton & Sons' Prize, (Reading, Eng); cup, value $25, for the best table of Sweet Peas, to be arranged on a space four by three ft., and not to exceed three ft. in height.

We are now working on the final schedule and hope to have same ready in about two weeks. Concerns or individuals wishing to offer prizes for this exhibition should notify the secretary immediately.

HARRY A. BUNYARD, Sec.

342 W. 14th st., New York.

The American Gladiolus Society

The executive committee of the American Gladiolus Society have decided to keep the charter list open until the time of the Rochester meeting in August. Applications and inquiries are coming in daily and this will afford all ample opportunity to join in time for the Society's first exhibit, which will take place at that time in connection with the Society of American Florists' annual exhibition.

Already there has been contributed the following prizes to be contested for at our first show:

From W. W. Rawson & Co. Boston:

Rawson's Silver-Gilt Medal for the best American seedling Gladiolus never before exhibited, nor yet disseminated. This prize can be awarded if there is only one exhibit but said exhibit must possess special merit.

Rawson's Silver Medal for the best collection of 25 varieties of Gladioli, each variety to be represented by three spikes; size of flower, openness of form, color and number of flowers on a spike to be considered.

Rawson's Silver Medal for the most artistic basket of Gladiolus America, judged for arrangement only.

Rawson's Silver Medal for 10 spikes of the purest white Gladioli.

Rawson's Bronze Medal for 10 spikes of the best scarlet Gladioli.

From Peter Henderson & Co., New York City:

This firm offers ten dollars in gold for the best collection of (12) twelve new Gladioli not yet on the market, three spikes each to be exhibited.

From Vaughan's Seed Store, Chicago and New York:

Vaughan's Seed Store Silver Medal for the best 25 spikes of Gladiolus Mrs. Francis King.

To Gladiolus Exhibitors.

Will all who wish to exhibit at the American Gladiolus Society's first show in connection with the annual exhibition of the S. A. F. at Rochester, N. Y., August 16 to 19, 1910, please communicate with me at once so that adequate space may be secured.

L. MERTON GAGE, Cor. Secy.

New York Florists' Club

The June meeting of the New York Florists' Club was held at the Club rooms in the Grand Opera House Building, 23d st. and Eighth ave. on Tuesday evening, June 13, with President A. L. Miller in the chair, and a good attendance of members.

The Proposed New Market

W. H. Siebrecht, Jr., secretary of the joint committees of the different florists' associations reported progress in the movement to secure quarters underneath the Queensboro Bridge for a plant and flower market. The matter was now before the Board of Aldermen's committee on streets, highways and sewers, and there would be a public hearing on the subject in the Aldermanic Chamber, City Hall, on Monday, June 20, at 2 p. m., when it was earnestly hoped that all florists interested in the movement would be present, and bring as many others with them as possible, as such attendance was vitally necessary to show that the florists themselves were actually interested in the project. The bridge commissioner was in favor of the market, but there was opposition to the plan in some quarters, which it was hoped would be removed at the hearing. The importance of the florists' attendance at the hearing could not be too strongly urged.

Club Transportation to Rochester

Frank H. Traendly, chairman of the transportation committee, reported that after consideration the committee had obtained terms from the N. Y. Central R. R. and the Lehigh Valley R. R. for transportation of the Club's members and their friends to Rochester, to attend the S. A. F. convention next August. Both roads offered the fare and three-fifths rate for the round trip, and special trains providing the number of passengers was large enough. The fare on the N. Y. C., round trip would be about $12.24, and on the L. V. about $11.20. The latter road offered to hold their train at Glen Summit Springs, on the top of the mountains, an hour for lunch. Train time of leaving on both roads would be about 10 a.m. P. O'Mara moved that the committee be instructed to secure transportation on the N. Y. C. road, and J. H. Pepper moved in amendment that the L. V. road be chosen. By consent the chairman called for a vote on both routes, with the result that a majority favored the L. V. road. On further motion of Mr. O'Mara the Club made an appropriation of $50 for refreshments on the train. Mr. O'Mara then moved that the committee also arrange for the stop-over at Glen Summit Springs, and this motion was carried.

The Outing

Harry A. Bunyard, chairman of the outing committee, reported progress. Arrangements for the outing to Witzel's Point View Grove on June 28 were in course of completion, and it was hoped that the outing this year would eclipse that of any previous year.

Membership

P. J. Smith, Maurice L. Glass and Robt J. Young, all of New York, were nominated for membership, to be elected at the next meeting. The resignation of Wm. Plumb was received and accepted.

The chairman announced that Prof. Craig of Cornell had sent several copies of the new Peony Check List for distribution to members desiring them; and a letter was read from Prof. Craig in which he said that all members desiring a copy of the list could have same on application to him.

Convention Preparations

C. B. Weathered called the attention of the Club to the fact that in previous years it had been the intention of such members of the Club as belonged to the S. A. F. to stand together in matters in which the Club was interested and to be brought before the Society at its convention, but no real organization was effected and interest in consequence vanished. He suggested that this year such matters be discussed at a special meeting of the Club to be called for August 8, and a course of action decided upon. After some discussion it was not deemed desirable to take any action upon the suggestion.

Mr. O'Mara brought up the subject of the bowling tournament at the convention, and suggested that although the Club had no bowling club, some steps should be taken to see that there was a representative team, and he made a motion that Wm. Duckham be authorized to form such a team. Mr. Duckham, however, declined the office, as he could not go to Rochester. Robt. E. Berry then moved that Joseph A. Manda be empowered to select a team, and the motion was carried.

Committee Appointments

President Miller announced the appointment of the following committees: Nominating Committee—C. B. Weathered, Walter F. Sheridan, P. O'Mara, John Birnie, F. R. Pierson, R. E. Berry and Frank H. Traendly. Committee on securing a State appropriation of $50,000 for experimental greenhouses at Cornell—P. O'Mara, Alfred H. Langjahr, J. A. Shaw, C. H. Totty, C. Weber, E. Dailledouze, and W. E. Marshall. Advisory Committee—James Dean, I. H. Hendrickson, J. H. Pepper, W. A. Manda and Benjamin Hammond.

The Points Competition

There were two entries in the competition for the Hitchings Cup of Merit, Harry Turner of Castle Gould staged some grand vases of Cattleyas Mendelii, gigas, Mossiæ, Gaskelliana, and Vanda coerulea, for which he was awarded 85 points. A. J. Manda of Brooklyn, N. Y., staged a splendid vase of Gardenia Veitchii, for which he was awarded 25 points.

John Lewis Childs of Floral Park made an exhibit, not for competition, of Gladioli, embracing the varieties Wm. Falconer, Irene, compacta, Dr. Hogg, Fantastic, and Little Blush, for which he was awarded a vote of thanks.

President Miller called attention to the fact that the leading prize winners at the recent Orchid show in Boston were all members of the Club, a showing which should be very gratifying to the Club members. J. T. Butterworth, of So. Framingham, Mass., who was present, pointed out that the first and second prizes for specimen Cattleyas were won by Boston exhibitors.

T. Mellstrom of Sander & Son, Bruges, Belgium, elected to membership at the last meeting, was present, and upon being introduced to the meeting made suitable response.

"On Horseback Through Hayti"

This was the subject of a lecture, illustrated by lantern slides, which closed the evening's proceedings. The lecturer, Geo. V. Nash of the New York Botanical Garden, described, in a most entertaining manner, two trips made through the western section of the island, and threw upon the screen a large number of pictures which he made on the trips. The lecture was much enjoyed and at the conclusion Mr. Nash was awarded a hearty vote of thanks.

A Tour of Agricultural College Investigation in America by an English Committee

A committee, consisting of several of the directors of the Reading University College, Reading, England, among whose numbers were Dr. Frederick Keeble of Cambridge University, Cambridge, England, and also Mr. Leonard Sutton of the well-known seed house of Sutton & Sons, London, England, have been visiting, in an official capacity, the agricultural colleges of the United States and Canada, with the object in view of investigating fully their methods of management, and especially college library management, methods of indexing and all the details connected with the books. This committee has been with us some four weeks or more, during which period they have made the very best use of their time, visiting many of our most prominent agricultural colleges and also the larger universities having horticultural and agricultural experiment stations conducted in connection with them.

They were particularly impressed with the methods in vogue at the University of Wisconsin at Madison; their visits also extended to Harvard, Yale, Cornell, as well as many other leading agricultural experiment stations.

In the short time at their disposal they have been "on the go" continually, and have certainly covered a great

deal of ground, and express themselves as well satisfied with what they have seen.

Dr. Keeble and Mr. Sutton, and the committee generally, were particularly impressed with the business-like way in which our colleges conduct their libraries, and especially with the methods of indexing.

The committee finished their work of investigation last Saturday and returned to England on the S. S. St. Louis of the American Line.

As stated above, this committee was particularly interested in agricultural college methods, but also found time to visit many of our best horticultural establishments as they proceeded on their travels, and were very much impressed by what they saw.

While in New York (which was only for a very few days last week) they were taken in charge by Messrs. Doubleday, Page & Co. and Arthur T. Boddington, and shown as much as possible of the commercial and horticultural side of things.

Both Dr. Keeble and Mr. Sutton expressing a wish to see some of our larger estates, Mr. Boddington took them to several of our representative estates in this vicinity. The first place visited was Greystone, the estate of Samuel Untermyer at Yonkers, N. Y. At the Untermyer establishment the visitors were much impressed with the new rock garden which has recently been built. Mr. Waite, the superintendent, was complimented as having done wonderfully well with this rock garden in the short time of 18 months which has been spent upon it, the many perennials and other plants being particularly well established in that time.

From there they went to Miss Helen Gould's place at Irvington-on-Hudson to see the plantation of Rhododendrons and the magnificent trees for which this place is famous. The feature which impressed the visitors was the many attractive little bungalows which she has erected for the entertainment of poor children during the Summer.

Mr. Boddington then conducted the committee to see the two Rockefeller estates, both at Tarrytown-on-Hudson. They visited first Rockwood Hall, Wm. Rockefeller's estate, and then Pocantico Hills, the John D. Rockefeller estate.

An amusing incident happened at Greystone, Yonkers. Mr. Leonard Sutton examined most carefully a house of Melons which were raised from seed supplied by his firm, the variety being Sutton's "Superlative," and on each Melon was the word "Greystone." Asking Mr. Boddington the cause of this, he was told that we could do anything of this kind in our climate. To be serious, Mr. Waite, the superintendent, explained that when the Melons were half grown, the name "Greystone" was written deeply into them with a sharply pointed instrument, and growth continuing, the word was formed.

At all of these estates the visitors were much impressed by the splendid display of early vegetables, and particularly with the Strawberries.

This committee has also given its attention to our methods of greenhouse construction and heating.

English Horticultural Notes

A Florists' Rescue! An extraordinary thing has happened. Last year, in The Florists' Exchange, I drew special attention to the fact that the great international horse show, which is held in one of our largest London arenas, was almost a failure during the first year or two of its occurrence as an annual event, until the officials conceived the idea of calling in the marvellous assistance of the decorative florists. In one year the imagination of the public was aroused and captivated. Press puffs were of almost daily appearance, telling of the wonderful transformation scene that had occurred or was occurring, at Olympia, the rendezvous of the show. This grim, gaunt, gigantic glass and iron building, like a smaller edition of our Crystal Palace, was to be converted into a huge flower-garden, a hall of blossoms, a vast conservatory, with thousands of pound sterling worth of plants and creepers, and bedded-out flowers. The roof was one mass of Wistaria in great dependent clusters—but this feature was done in artificial material, all the rest was natural, borders of choice indoor plants, Roses, etc. The public flocked in its thousands, and the result was—success. Good horses there were and plenty of them—your own American owners sending over some of the leading sets. The same thing again has been followed out, and there is the same record to relate of success. Among the chief competitors are Judge Moore (60 horses), Alfred Vanderbilt (16 stalls), Walter Winans (26 stalls), and Miss Loula Long, daughter of Mr. R. A. Long, the lumber millionaire of Kansas City. England, America, the Argentine, and most of the countries of Europe are represented.

But, as exemplifying the "drawing" power of the floral decorations (apart from the horses and the jumping, etc.), I quote the headlines announcing the opening ceremony, as printed in the London *Evening News*, the evening edition of the world-known *Daily Mail*. Here they are:

A PALACE OF FLOWERS
Opening of the Horse Show
GARDEN SCENE
Etc.

The point of merit to the floricultural world is that the "flower show" was regarded as the *piece de resistance*, and the announcement of the real *raison d'etre* of the event was lost sight of. *Sic passim, Flora!*

As I have not yet seen the scheme, I can only report second-hand, so far. The main arrangement of the arena is that of an old English garden. At the end of the arena, where the horses enter, rises a striking representation of Lowther Castle, a north-country edifice belonging to the chief official of the show—Lord Lonsdale. At the other end of the building is a Grecian Temple, approached by grassy slopes; and in another part, falling water makes tuneful music among huge boulders which flank the great oaken doors of exit. Color and form and garden art compose an enchanting scene.

J. HARRISON DICK.

Open Air Show at Haarlem

After the Hyacinths, early Tulips and Narcissus were gone, the Darwin and Rembrandt Tulips drew our attention. This race has come strongly to the front the past few years, and it must be said that a bed of Darwin Tulips is a very fine sight. The colors run from the softest and lightest shades to the deepest, darkest red and black. On their tall, upright and strong stems the big cups beckon to one with every soft breeze and all who have seen them understand why the demand for these Tulips increases every year.

Darwin Tulips suffering from atavism (returning to the form of their ancestors) and showing the different colors of the race whence they come, drawn in bizarre flames and feathers, are called Rembrandt Tulips, a rather famous name for hard colors that cry to each other. Darwin Tulips are mono-colors, having only one shade; if they show flames or stripes they are called Rembrandts; these latter may be beautiful but I prefer Darwins.

Several growers and sections of the General Society planted large beds of Darwins, others made an exhibit of cut flowers, with the tall stems set in glasses.

Seven large beds of Cottage Tulips were planted and flowered just now. A very nice sight, indeed, these big cups of different fine colors. Some new varieties among them call for attention: Hammer Hales, very big, orange brown; Yellow Hammer, golden yellow, margined with red; Markoma, orange red; Beauty of Bath, soft rose and yellow; Orange King, lively orange; Scarlet Emperor, pure scarlet; Flame, orange scarlet, etc.

Last Thursday Her Majesty the Queen and H. R. H. the Prince of the Netherlands paid a visit to the exhibition. The picture hall was transformed into a reception saloon. The bulbs were taken away from the beds before this building and in their place large beds of zonal Pelargoniums were planted.

Last Sunday (May 29) our exhibition was closed. It was quite a success. Visitors came from every country of Europe, florists, seedsmen and nurserymen, amateurs, in fact, all those in the florists and nursery line; it was also a success financially, as there is a considerable surplus in the treasury.

J. BEUMER.

Rhododendrons

Editor The Florists' Exchange:

With reference to the note of Mr. Matthews in The Florists' Exchange regarding double Rhododendrons, the blue one he is referring to seems to me must be Rhododendron fastuosum flore pleno, practically the only Rhododendron with double flowers. It is not hardy in this locality or the northern States; it may be around Philadelphia.

The hardy Rhododendrons are quite an acquisition to our ornamental nursery stock, especially those which originated at the Parsons Nurseries, the best of which are Album elegans for white, or nearly white; Boule de Neige, pure white, dwarf grower; Chas. Dickens, Hunnewell, H. W. Sargent, Atrosanguinea, Mrs. Milner and several others for the best red; while Caractacus and Parsons' grandiflora are very nice red ones, too. Catawbiense, Everestianum and Roseum elegans are nice in the purple shades.

The people, in a general way, are just starting to learn the value of these plants, but they do not fully understand yet the value of giving them the best of soil to get good results.

Springfield, N. J. C. J. W. OTTOLANDER.

New Gladiolus Pink Beauty

Editor Florists' Exchange:

In further comment on the article you published some time ago concerning this splendid new variety, which cannot be recommended too highly, we would like to say that Mr. P. Vos of Sassenheim sold to Mr. C. de Jong of Loosduinen, near The Hague, a number of bulbs of it, which the latter gentleman planted in November last with other long stalked Gladioli. At the beginning of February they were brought into a temperature of 70 to 85 degrees Fahrenheit, and the first flowers were cut on May 5 with stalks 50 ins. long. Other long stalked Gladioli receiving the same treatment did not flower until June 5. Mr. Vos sent other bulbs of Pink Beauty to a grower at Rynsburg; these were planted November 12 and flowered May 20. The above experiments prove this Gladiolus to be the earliest of all long stalked Gladioli.

C. J. SPEELMAN & SONS.

Sassenheim, Holland, May 31, 1910.

A Lady Nursery"man"

Miss Curry, one of our leading exhibitors, is one of the few ladies who control nurseries on this side, and her exhibits of Daffodils rarely fail to gain highest awards. Needless to say, the prices of her novelties are exceedingly high, and I was amused, at an exhibition recently, to see a stylish gentleman jotting down names of extra good varieties shown on her stand, prior to securing the catalog. When he obtained it, and found his choice had lighted upon varieties listed at anything from $25 to $100 per bulb, he quickly skedaddled, a sadder but wiser man.

T. A. W., Eng.

Society of American Florists

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the Fern, "Nephrolepis Roosevelt," by The American Rose and Plant Co. of Springfield, Ohio, becomes complete.

H. B. DORNER, Secretary.

June 9, 1910.

Publications Received

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.—Proceedings of the eleventh annual convention, held at Seattle, Wash., Aug. 9 to 11, 1909.

NATIONAL ROSE SOCIETY (Great Britain).—Arrangements for 1910. We are now in receipt of the final publication for 1910, issued by this Society. This pamphlet contains a list of members, schedules of prizes, by-laws and regulations, etc., for the year. During the year 1910 the Society has sent out the following publications: "The Enemies of the Rose," "The New Official Catalog of Roses," "Hints on Planting Roses" and the Society's "Rose Annual for 1910." All these publications may be obtained through an annual subscription of half a guinea, and certainly we know of no society giving so great value for the money. In addition to all this literature two tickets of admission are given to the Autumn Rose Show.

Obituary

H. J. Billings

H. J. Billings, florist, Rockland, Me., died on Sunday, June 5, after a few days' illness. He is survived by a wife. The remains were taken to Boston for interment.

Caleb Boggs

Caleb Boggs of Cheswold, Del., founder of the nursery business of Caleb Boggs & Son, dropped dead on May 15, shortly after arising and preparing for this usual Sunday worship. He had been a Sunday school superintendent for many years. He was an old soldier, and carried an empty sleeve as a service decoration. He is survived by a wife, three daughters and two sons.

James McNab

James McNab of Rosemont, Catonsville, Md., died Monday morning, June 13, at Atlantic City, where he and his wife had gone to spend the Summer. He was about 54 years old.

Mr. McNab, who was a chemist, was born in Scotland. At the age of 24 years he went to Camden. Later he went to Pittsburgh, then to Camden, N. J., and after that he located in Baltimore where he was connected with the Davidson Chemical Co. He retired several years ago. He was a member of the Gardeners and Florists' Club of Baltimore and was well known among the trade. He was also a Mason and elder of Catonsville Presbyterian Church. The body was taken to the home of Mr. McNab's brother-in-law, Isaac H. Moss, at Govanstown. The funeral took place last Wednesday afternoon, with interment in Loudon Park Cemetery.

J. L. T.

Greenhouse Construction and Heating

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By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper]

Article IV—Continued

Material and Construction

Fig. 27 shows a small and a large section of what may be considered the crudest form of greenhouse. We show practically all the members of the house, composed of stock sizes of Cypresses, and the design is such that no special milling is required. This is done with a view to assist those who are in out of the way places where it is difficult to secure special milled Cypress, but should it be desired to erect a house of this character at a point convenient to those who make it a business of supplying Cypress for greenhouse purposes, it would be much better as before stated, to secure this material from such houses, as there will always be the certainty of obtaining the very best quality of Cypress for greenhouse work, which is not the case if it is secured from the ordinary lumber yards throughout the country, as these yards generally make it a business to carry only such stock as is adapted for inside trim and in which case sappy lumber is very frequently used; the greenhouse builder would be more than likely to secure from such sources material of this character which is simply a waste of money.

The roof of the house is composed of hotbed sash which it will be necessary to purchase from a regular manufacturer, as it would not pay a grower to attempt to make the sash himself. If possible sash should be obtained with three lights of 10″ glass—rather than four lights of 8″ as is sometimes used. The sash can be purchased glazed and painted one coat. The second coat should be applied when the sash is in place; but it is frequently desirable (especially where the freight traffic is considerable) to purchase the sash unglazed, with the glass packed in boxes, as the danger of breakage is thereby lessened and the freight charges reduced, as well as effecting a saving in the matter of the cost of labor (glazing), which can be done by the grower if the time can be spared.

The section shows a house of width of 10′ 3″, with the sash placed at a pitch of about 7″. This width, of course, will vary as the pitch of the roof is changed. If the sash were set at a pitch of less than 7″ it would increase the width of the house.

The side walls consist of 3″x3″ wooden posts "A," composed of either Locust, Chestnut, Cedar or Cypress. These posts should be charred on the ends that go in the ground and, if possible, dipped in crude petroleum. The posts should be of sufficient length to admit of being placed 3′ below grade so as to get under frost line. Of course this depth will have to be increased in localities where the temperature in Winter goes considerably below zero, but where it seldom drops much below zero a depth of 3′ has been found sufficient to prevent any trouble from this source. They should be set upon a flat stone so as to prevent working further down in soft ground. These posts may be set about 4′ apart and, when they are placed, a chalk or level line should be carried along at the required height of the eaves plate (which in this case is shown to be 1′ 6″ above the outside and each post marked.

The eaves plate "B" consists of 2″x3″ Red Gulf Cypress, which should be firmly nailed to top of the posts after they have all been sawn off level at the required height, care being taken to set the eaves plate at the same pitch or angle it is intended to set the roof sash.

The ridge "D" consists of 2″x4″, cypress, and this should be supported temporarily at the height desired which, in the case of the section shown, is at a point 6′ above the sunken walk "M." As before stated, the roof of the house is of regular standard 3″x6″ hotbed sash "C," consisting of three 10″ lights if possible. The top rail of the sash should be planed off so as to come evenly against the ridge at the required pitch. The sash should be firmly secured by either nails or screws to the eaves plates and the ridge, every second or third alternate sash being left loose and then secured to the ridge with galvanized steel butts with brass centers as shown at "E," two butts being allowed for each sash. This will admit of these sash being raised for ventilation by means of push rods which should be drilled with several holes to regulate the opening of sash. The remaining sash being firmly secured to both the ridge and the eaves plate form a permanent support for the ridge when the temporary supports have been removed.

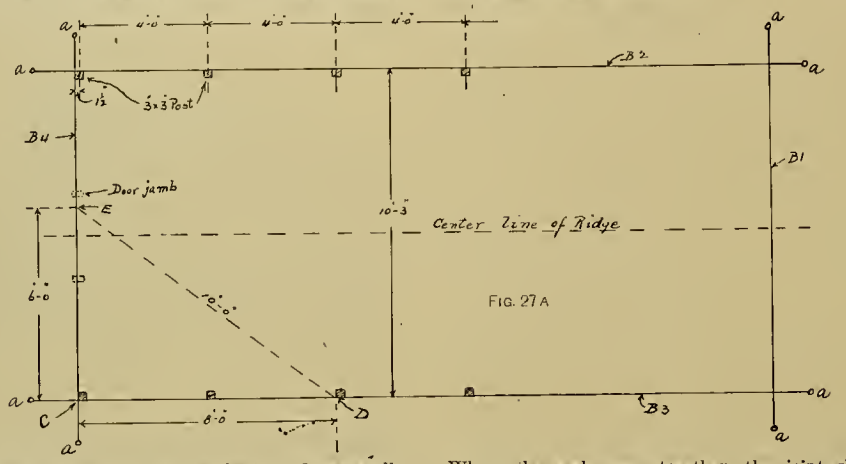


FIG. 27 A

Where the sash come together, the joint should be covered with a 1″x2″ piece "S," as shown in small detail to right of section. This piece should extend from ridge to eaves, and be securely nailed to both sash, except in the case of the sash used for ventilation, when it should only be secured to the loose sash so as to cover the joint when sash is closed. This piece, as well as all other parts permanently nailed and screwed together, should be given a heavy coat of white lead paint before being placed in position.

The sides of the house between the eaves plate and the grade line may be constructed of tongued and grooved Cypress, or Pine sheathing "G," about ⅞″ thick, these being securely nailed to the side posts and, outside of this tongued and grooved sheathing, should be placed heavy asphalt roofing felt "H". This, of course, as an outside covering is not as durable as an outer covering of clapboard but, where a house of this character is erected, it is presumed that it is absolutely necessary to cut down the first cost; therefore, the asphalt felt will make a sufficiently durable and warm covering. It is well to turn the felt over at the top of the siding "G," where it comes against the eaves plate and, when this is thoroughly cemented with asphalt cement at this point and firmly nailed, it will make the joint impervious to any water of condensation which may run down the sash.

All of the joints of the asphalt paper should be firmly secured with asphalt cement and large head tacks furnished for this purpose. It will be noticed that the sash are shown with an overhang at "O". This is to admit of the shedding of the water without running down the side of the house. If it is intended to use an outside siding this overhang, of course, would have to be made sufficient to clear the outer siding.

A serious objection experienced in many greenhouses is in the matter of the drip of the water of condensation from the underside of the roof glass, as where this falls upon the plants, or is allowed to run down the inside of the greenhouse, it is injurious both to plants and house. This may be avoided even in a cheap construction, as shown on drawing. It will be noticed that where the bottom rail of the sash rests on the eaves plate "B," it is carried down sufficiently far to allow a space at the point "P," in which the water of condensation from the roof glass will collect and, if at intervals the bottom rail of the sash is notched so as to form an outlet, this water of condensation will run directly outside and pass down the asphalt paper.

As will be seen, it is intended that this house should be constructed with solid beds; these are formed by excavating a space for a walk to the required depth and constructing two retaining walls as shown at "K," about 1′ 6″ apart. These walls can be constructed with wooden planks, 2″ thick, secured to two 2″x2″ wood posts ("J") placed in the ground about 6′ or 8′ apart.

The gable of a greenhouse of this character is generally boarded up solid with tongued and grooved sheathing and asphalt roofing felt on the outside, the same as the sides of the house, provision being made for a door by placing two 2″x4″ door jambs and header with sill at proper point.

In the erection of a greenhouse, no matter how cheap the structure, it is absolutely necessary to start right. The ground should first be leveled off and, if it is necessary to fill in any part of the site, the posts should be set in the part to be filled before the filling is placed. This will save digging the post holes afterwards and will insure the ends of the posts being placed at hard bottom.

Before placing the posts there should be a straight line fixed bounding the four sides of the greenhouse and placed in such a way that this will form a guide for their setting. Stakes must be driven into the ground to which the line should be secured, and care has to be taken to see that the line is carried on a level irrespective of the grade of the ground. This line may be any distance from the ground but the four lines bounding the location should be at the same height from the ground. It is a comparatively easy matter to be sure

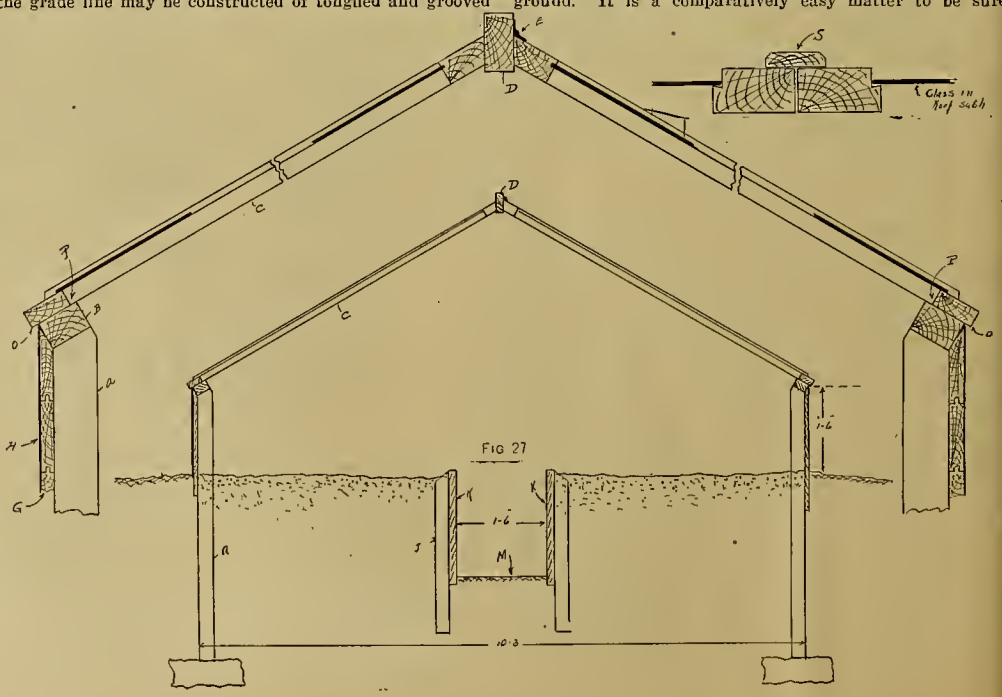


FIG 27

that these lines are level but, with some, it is more difficult to be absolutely sure that they are square; this latter factor is very essential as, if the posts are not set square, there will be difficulty in placing the roof sash.

To more fully explain this we show in Fig. 27 (at "A") a good method of laying out the location for the greenhouse. The eight points marked "A" show stakes driven into the ground at the required points, and the lines B-1, B-2, B-3 and B-4 indicate the level lines secured to these stakes. B-2 and B-3 are placed at a distance of 10' 3" apart, which is the width of the house outside of 3"x3" posts. Lines B-1 and B-4 are placed at the required distance for whatever length may be decided upon to build the greenhouse. When the lines are set they should be tested to see that they are absolutely square. A good way to do this is what is generally known as the 3, 4, 5 method (but we prefer to double the numbers).

From the point "C," where the lines B-3 and B-4 intersect, measure along the line B-3 a distance of 8' to point "D," and from the point "C" measure along line B-4 a distance of 6' to point "E"; the distance between "E" and "D" should then be exactly 10' if the lines are square. If not they should be moved until these proportions are obtained. This process being carried out at each of the four corners will insure the building being square. Of course, if the greenhouse is short, it will be possible to measure from corner to corner diagonally, and see that they are equal, then if such prove the case, the building is square. Where the distance is very great the sag in the measuring line will sometimes cause a variation; in such instance it is better to use the method above indicated or one of a similar character.

When it is assured that the lines are absolutely square the post holes may be laid out at whatever distance is decided upon. As shown on the plan these are placed at a distance of 4' apart. The holes should be dug to the required depth, which should be at least 3' below grade or to hard bottom and, where the posts are to set in the earth without the use of concrete, it is better to place a flat stone at the bottom of the hole as shown on section. Care should be taken to see that the posts are plumb before filling in earth around same. When the posts are all set they can be sawn off at a level point, as mentioned previously, and then the work may proceed with every assurance that when the sash are placed on the roof there will be no difficulty experienced owing to the building being out of square.

American Association of Nurserymen

THIRTY-FIFTH ANNUAL CONVENTION

HELD AT DENVER, COLO., JUNE 8, 9, 10, 1910

On the second day of its meeting the Association elected the following officers: President, W. P. Stark, Louisiana, Mo.; Vice-president, E. S. Welch, Shenandoah, Ia.; secretary, John Hall, Rochester, N. Y.; Treasurer, C. L. Yates, Rochester, N. Y. Executive Committee: J. H. Dayton, Dayton, O.; E. M. Sherman, Charles City, Ia.; W. B. Chase, Huntsville, Ala.

St. Louis was decided upon as the next place of meeting.

Report of the Legislative Committee

The Legislative Committee reported that the year has been a very quiet one. There has been nothing of consequence doing aside from procuring legal opinions upon one or two of the State laws, which opinions have appeared in the trade papers, with one notable exception, that of the work of the committee in connection with the proposed Federal bill. This bill was introduced in the House of Representatives and a hearing was appointed on April 27, 1910, before the House Committee on Agriculture. The committee appeared at the hearing and made the best argument possible against the bill, particularly against the foreign quarantine section No. 8. The committee took the position that it could not stand for the granting of such very large discretionary powers to the Secretary of Agriculture, whereby the absolute control of the importations of nursery stock and particularly of fruit tree seedlings, would be placed in the hands of any one official, as it meant the control of the raw material of the nurserymen. After the hearing the bill was referred to a sub-committee of five, and it does not seem probable that any legislation will be enacted during the present session of Congress.

Report on National Council of Horticulture

Col. Watrous, Chairman of Committee on National Council of Horticulture, reported as follows: The Council seems to be a self-appointed organization with nine delegates at large. Mr. J. C. Vaughan, a seedsman and florist of Chicago, is president, and Mr. H. C. Irish of the Missouri Botanical Gardens is secretary. At a meeting of the Council in Chicago, Jan. 17, 1910, fifty subjects for press bureau work were suggested. Two of these relate distinctly to trees, the others to the work of seedsmen and florists. Your committee would recommend that, in the future, the whole subject of co-operation with, and paying money to, the National Council of Horticulture, be placed in the hands of the Committee on Publicity of this Association.

In the discussion which followed the report the opinion was expressed that the work of the Council was being conducted almost entirely in the interest of seedsmen and florists, and a motion was carried, placing the matter entirely within the control of the Publicity Committee of the American Association of Nurserymen. A motion, adopted later, placed the sum of $500 at the disposal of this committee.

Extracts from Leading Papers Read at Convention

Mr. A. Willis of Ottawa, Kansas, read a paper entitled, "Should a Young Man Choose the Nursery Business for a Vocation?" He said in part: "Before advising a young man to choose this vocation, think what your advice may mean. Remember that few nurserymen are rich. So far as is known to the writer there is no nurseryman worth a million dollars who has made his money in the nursery business in this country. There have been few great men among nurserymen, and few ever had high official position. This calling does not promise large success in a business way, nor yet in official honors or preferments, but it does promise, if faithfully followed, a comfortable support, and in some cases a degree of luxury for its members. It promises, if carefully cultivated, good character and in large degree the confidence and good will of those with whom you associate. You will have the satisfaction of knowing that no one does more to adorn the landscape or make beautiful the home of the working man or the mansion of the rich, and no one has contributed more to promote the pleasure and good health of his fellow men than the people who have supplied the planter, and the orchardist and the landscape artist with the fruit and ornamental trees they have needed for their work. The nurseryman has supplied these, and he has supplied millions of trees for the forester, and the new work of conservation will, from every standpoint, be more dependent on him than on the followers of any other calling, for who but he will produce the trees needed for the reforestation of forest reservations and denuded hillsides, and the products of his handiwork will be in large demand in the years to come, and who would not feel glad to be one of those who would help in this good work?"

"Publicity Campaigns on the Part of Nurserymen," was the subject of a paper by Mr. James M. Irvine of St. Joseph, Mo. He said: "Advertising must be in the form of good display advertising, good copy must be prepared, and space must be bought in papers which are really worth using. This is the plan which other organizations follow to create a demand for their respective products, and it is one which can well be considered by nurserymen. The best kind of advertising which can be done by individual nursery firms is that which creates business. And yet I venture to suggest, with all due respect to the men who write the nursery advertisements, that most advertisements of this kind are not calculated to create business—they are, rather, designed to attract orders which might otherwise have gone to another firm. And this is not good advertising. Advertisements reading like this are all too familiar:

'John Jones, Grower of General Line of Nursery Stock. Peach Trees a Specialty.'

"The uptodate merchant has greatly advanced in his advertising methods, and his advertisements now literally coax the money out of one's pocket. They create a demand for the goods he has for sale. Advertising space is expensive, and it costs as much to fill it with poor copy as with copy which will create a demand for nursery stock. If you cannot prepare good copy yourself, get the services of men who can. Such men are available; they have had experience, and their services are well worth using."

Mr. J. B. Morey of Dansville, N. Y., read a paper on, "The Part Nurserymen have taken in the Growth and Development of the Nation." "The lumberman has laid bare our great forest, and today, through the efforts and work of the nurseryman our barren wastes are being reforested, so that in years to come the ring of the woodman's axe will be heard again, thus preventing our becoming a treeless country. Through the untiring efforts of the nurseryman our present forests are being guarded against the fearful havoc of the woodsman. Go to a community where you find a nurseryman, and the citizens of that community will tell you that he is one of its best and leading men. He stands for a free and liberal education, he stands for the improvement of the city parks, he stands for the improvement of the highway, he encourages all improvements that tend to lighten the burdens and increase the happiness of man; his hand and strength is ever ready for assistance, all worthy enterprises have his endorsement and help. We have in the United States about 5000 nurseries; they cover more than 200,000 acres of land, giving employment to more than 50,000 men and women, and the industry is growing yearly. The millions of trees, both fruit and ornamental, plants, vines and shrubs that go to plant the commercial orchards, the home orchards, and to beautify the parks and drives of our towns and private homes, all tend to make the country more prosperous and more beautiful. The planting of trees goes hand in hand with civilization. In the early days a log cabin was hardly

A Field of Callas in California

The illustration we are enabled to present herewith is said to show the finest field of Callas in California, the property of the MacRorie-McLaren Co. Mr. Daniel MacRorie can be seen on the right-hand side examining the Callas, the flowers being waist-high.

built before a place was cleared in the forest and an orchard planted, and as the pioneer traveled to the West and his home was built upon the plains, trees were planted about his home to protect it from the winds and storms, and in most instances a few scattering fruit trees were planted. The growing of trees has been reduced to a science, and the large nurseries carry on their business as systematically as does a manufacturer. The selling of the products is carried on by agents and by advertising, and a man who is capable of directing a force of nursery agents from his office could easily occupy the position of commander-in-chief of our army. There is no other line of industry in which there are so small a number of people engaged that has added so large a percentage of wealth to the country."

Mr. J. H. Dayton of Dayton, Ohio, submitted a list of recommendations or rules to serve as a guide in the conduct of the nursery business, and the same were unanimously adopted. They are as follows:

Regulations Adopted to Serve as a Guide in the Conducting of a Nursery Business

That our lowest prices or trade lists should be mailed only to nurserymen or dealers with established headquarters, who are known to be actively engaged in the trade.

That some effort should be made to have our price lists and quotations to orchardists and retail buyers nearer a uniform basis for same grades and varieties of stock.

That, as the practice of cutting prices as the season advances is one of the great demoralizers of both the wholesale and retail trade, established rates should be adhered to throughout the season.

That parks, cemeteries and other public institutions are not in the trade and are not entitled to trade rates.

That stock shipped on orders of landscape architects and invoiced direct to their customers should be billed at same retail rates as if the order came direct from the planter.

Crown and Root Gall on Apple Trees Not Contagious

Papers on crown and root gall were read by Messrs. Peter Youngers of Nebraska, and E. A. Smith of the Jewell Nurseries, Lake City, Minn., both giving the results of experiments conducted for a series of years with these diseases, and both pointing to the conclusion that these diseases are not contagious, and that in most cases the trees outgrow root or crown gall within a few years after coming from the nursery row. The following resolution was adopted, after some discussion:

WHEREAS, The hard or hairy form of root or crown gall by practical experiments has not been found injurious or contagious to apple trees;

THEREFORE, Be it resolved that we, the American Association of Nurserymen of America, do hereby protest against and condemn the action of State Legislatures in refusing to grant certificates of admission and acceptance of Apple trees in their respective States because of the presence of hard or hairy form of root or crown gall, and we hereby urge upon the Legislatures, their agents or persons having this matter in charge, the advisability of admitting this class of stock, and recommend that the laws be so changed as to permit the delivery of Apple trees showing hard or hairy form of root or crown gall; also, that this resolution be placed in the hands of our Legislative Committee with power to act at their discretion.

The Replacing Policy to be Discouraged

Mr. J. R. Mayhew of Waxahachie, Texas, after reading a paper setting forth the evils resulting from the replacing policy, and vigorously denouncing this practice instituted by nurserymen, offered the following resolution, which was adopted:

WHEREAS, the policy of replacing nursery stock at less than full value, heretofore extensively practiced over the country generally, has resulted in serious injury to the nurserymen, exercised a demoralizing influence over the salesmen, and has not really benefited the planter because it has encouraged negligence on his part in planting and looking after trees and plants purchased by him, and led him to underestimate the value of such nursery stock sold him; and

WHEREAS, this Association was instituted and is maintained to promote the best interests of both nurserymen and planter, which said interests are being seriously crippled by the above policy; and

WHEREAS, said practice necessarily tends to destroy the confidence of the planter in the nurseryman, and produces in his mind an erroneous impression as to the real value of the goods sold by the nurseryman, now therefore,

BE IT RESOLVED, That this Association unqualifiedly condemns the said policy of replacing nursery stock at less than its full market value as being unwise, unbusinesslike and wholly unnecessary, and

BE IT FURTHER RESOLVED, That the real interests of the nurseryman and planter will be best promoted by the exercise of sound business methods in this, as well as other dealings, with them.

An interesting talk, illustrated by lantern slides, was given by Prof. John Craig of Ithaca, N. Y., entitled, "Observations upon European Nursery Stock and their Plant Growing Methods."

Other papers read were: "Orchard Pests Still Unknown to the Colorado Fruit Grower, "Prof. G. P. Gillette, Fort Collins, Colo. "Nursery Inspection as a Common Necessity of Nurseryman and Planter," Prof. E. P. Taylor, Grand Junction, Colo. "Soils and Fertilizers," F. L. Rounsvel, Denver, Colo. "Varieties," E. S. Osborne, Rochester, N. Y. "Transplanted Raspberries for the Retail Trade," W. N. Scarff, New Carlisle, Ohio. "Herbaceous Plants," C. S. Harrison, York, Neb. "A Study of the Nursery Lands of the United States," W. H. Stark, Mo.

The Entertainment Program

An attractive entertainment program had been planned by the Denver Convention League, Western Nurserymen and the Colorado State Board of Immigration. The ladies were entertained royally by excursions and theater parties during the two days of the convention and, after adjournment, two entire days were devoted to sightseeing, one over the Moffat Road, viewing some of the finest mountain scenery in Colorado, another over the fertile plains skirting the foothills, stopping at Boulder, Longmont, Loveland, Fort Collins, Greeley and Lupton. At each stopping place automobiles stood ready to take the visitors to places of interest in the surrounding country, addresses of welcome were made and bountiful refreshments served at noon and toward evening.

CONVENTION OF THE AMERICAN PEONY SOCIETY

AT BOSTON, JUNE 14 and 15, 1910

The Exhibition was held in Conjunction with the Massachusetts Horticultural Society and in the Hall of the Latter

The annual meeting of the American Peony Society was held at Horticultural Hall in Boston on June 14 and 15.

The meeting was called to order by President B. H. Farr at 3 p.m. on the first day. There was a very small attendance of members, only about half a dozen being present.

Secretary Arthur H. Fewkes read the minutes of the last meeting and following that the president made a pleasing address as follows:

President's Address

I was initiated into the American Peony Society in this very hall, at the Society's exhibition held four years ago. I have ever since had the most vivid and pleasant recollections of my visit here and the cordial reception given us by the Massachusetts Horticultural Society, and by the many friends of the Peony whom I met during that visit and who have many of them since become personal friends.

I well remember the splendid exhibition made at the time by Mr. Shaylor, and the Thurlows, Mr. Hollis and others, and my visits to their establishments. It gives me the greatest of pleasure to be here again with you to meet the same lovers of the Peony and to note that their enthusiasm has not in any way diminished as the years have passed, as evidenced by the splendid exhibition of flowers which they have again made.

While I have, for many years, grown and admired the Peony, I may say that it was enthusiasm which I took home from my first visit to Boston that has been responsible in a large degree for the serious study which I have given the Peony ever since. Eight years have passed since the American Peony Society was organized for the purpose of trying to straighten out the confusion existing in the nomenclature of the Peony, and publishing accurate descriptions by means of which all authentic varieties may be identified. It was known that the task would be a difficult one, but it is only on looking back over the ground covered that one begins to realize how almost hopeless it was and how futile would have been the effort were it not for the singularly fortunate combination of men and circumstances with which it has been the Society's great good fortune to be favored, the result of which enables me to have the satisfaction of announcing to my fellow members of the American Peony Society here assembled that there is now the most encouraging prospect of a speedy and successful conclusion of the nomenclature work which the Society set out eight years ago to accomplish.

The main factors which have carried the work, so far, toward ultimate success are each so dependent on the other that had one been lacking the work would undoubtedly have ended in failure before this.

Most of the members of the Society are more or less familiar with the first steps which led to the organization of the Society. We are indebted, first, to Mr. C. W. Ward, who conceived the idea and issued the first call, and through whose efforts the co-operation of Cornell University was secured and the test plot established. We must acknowledge, too, the ready response of our home growers, whose generous contribution of plants, running into the thousands, made the test plot an established fact. To these were added, through the efforts of Mr. Ward and Professor John Craig of Cornell University, the splendid foreign collections of A. Dessert, Croux & Son, and L. Pailet of France; Goos & Koenemann of Germany; De Graaff Bros., and Von Leeuwen & Son of Holland; and Peter Barr of London; which have proved to be of the most vital importance; in fact, it is doubtful whether without these we could have accomplished much with any degree of certainty.

The work of preparing and planting the Peony plot was done by Cornell University, who from that time on assumed the great burden of the whole work, and it is doubtful whether many members of the Society realize the full extent of our indebtedness to the University and to those who have had the work directly in charge, especially to Dean L. H. Bailey, who during the last two years has given Professor Batchelor "carte blanche" to go ahead and do everything which in his judgment was needed to bring the experiment to a successful issue; also to Professor John Craig, of the Department of Horticulture, who has taken a deep personal interest in the work which has been done under his personal supervision.

We must not forget that while the work and interests of the Peony Society are national in their scope, the University is an institution of the State of New York, and while the American Peony Society has made donations toward the cost to some extent, the greater part of the expense of caring for the test plot, publishing the bulletins, photographing, etc., and the men detailed to carry on the studies have been furnished and paid for by the University.

The test plot has proved the necessity for its establishment, at the same time proving how useless it would have been without the co-operation of the University, as it would have been out of the question for any individual or firm to have carried on this test, on so large a scale, for so long a period.

Last, but not least, we realize how much has depended on those at Cornell who have had the actual work to do, and whose indefatigable and scholarly efforts have cleared the way to ultimate success. To Professor J. Elliot Coit we are indebted for the check list containing all the names of Peonies known to exist in commerce, upward of three thousand in all, together with a most comprehensive bibliography of the Peony extending back to the sixth century; also for the first bulletin containing the history of the Peony, classification, cultivation, etc., and the preliminary descriptive list of about fifty varieties.

To Professor Leon D. Batchelor, who has so ably and conscientiously carried on the work from where Professor Coit left it, we owe the second bulletin, covering the work of the nomenclature committee last year, with a careful description in detail of two hundred and ninety additional varieties. Following up the plan adopted last year, Mr. Batchelor has, in co-operation with the special committee appointed for this work, visited other collections where the season is earlier than at Cornell, and so far over one hundred new descriptions have been made this season, and it is expected before the season closes at Ithaca a total list of approximately five hundred varieties will have been identified and described. It is proposed to publish a fourth bulletin, covering the work to date, early this Fall.

A new planting has been made, containing three plants each of all the varieties so far identified, and to these will be added, this Fall, specimens of the additional varieties described, so that when the Society again meets at Ithaca the net results of the work accomplished will be condensed and may be seen by all. This meeting should in my opinion be held two years hence, which period will allow the plants to become well established. It will allow time also for the discussion of descriptions as published, and the correction of errors, before the publication of the final official catalog of the Society. This, too, will mark the conclusion, for all practical purposes, of test, and the accomplishment, so far as this goes, of the original object for which the Society was formed.

So far this season the committee has visited and worked among the Peonies at Wyomissing, Andorra Nurseries, Cottage Gardens Co., Geo. H. Peterson's, Fairlawn, N. J., and it is a significant fact that the descriptions already taken practically cover everything to be found in any of these large collections, with but few exceptions covering almost completely the extensive catalogs of Lemoine and Dessert.

With the conclusion of the test at Cornell, what is to be the future of the Society? Shall it consider its work completed and disband, or will it find new interests to keep it alive? The Dahlia, the Gladiolus and other flowers have newly formed societies, composed of their devotees, to say nothing of the old societies in other lines, and it would seem that surely a flower so beautiful and popular as the Peony, with a history and pedigree not approached by that of any other flower, should find abundant support from its enthusiastic admirers to maintain its organization.

The interest in the nomenclature committee was largely a commercial one, arising from the difficulties which dealers experience in purchasing from each other with any degree of certainty as to what they would receive. But as dealers acquire what stock they desire they will deal with each other less, and future sales will depend more on the popularity of the Peony with the general public. New membership in the Society will come more and more from the amateurs who become interested in the Peony and acquire large collections, because of their admiration of the flower rather than from commercial motives.

We should give the amateurs and private growers our warmest welcome, for upon them we must depend for our finest specimen blooms for the exhibition table, and our premium lists should encourage as much as possible

the keenest competition in the amateur class. It will be through the influence of larger collections throughout the country, and the exhibitions, that the general public will come to know and appreciate the modern Peony, and the exhibitions should be held at central points, easily accessible, so that they may be attended by a large number of people. Every effort should be made to have the exhibitions as attractive as possible and every commercial dealer should deem it not only a duty, but of vital importance to his own interest to do his share by sending flowers whenever it is at all possible. It is, of course, impossible for a grower a long distance away, where the season of bloom materially differs from that in the locality where the exhibition is held, to compete on an equal footing with the local growers, who can select their best blooms at the most favorable time, just before the show. In judging exhibits from a different latitude, due allowance should be made, indeed, it has occurred to me that it might be a good idea to form a separate class for the encouragement of exhibits from a long distance.

The Peony, for Memorial Day, has become almost the national flower, and justly so, for certainly nothing else can so well serve that purpose; but it is unfortunate that in many places there is a tendency to consider that the Peony has served its purpose as soon as Memorial Day is passed. There should be no reason for this, as the varieties which follow later are superior, both in beauty and keeping qualities, to those which may be best for Memorial Day, and it is gratifying to note that in many localities the usefulness of the Peony for general decorative purposes is being recognized. In many western cities, particularly, there is a steady demand for blooms which are kept in storage until well into July. The most valuable varieties after the very early ones are the very late ones, which come in and are in demand after the earlier ones are gone.

In narrowing the list of varieties down to the "best hundred," much will depend on the point of view. For the florist, fifty varieties would doubtless be ample. For him a variety is of no value if it does not keep well, ship well and have the right shade of color, and it must be fragrant.

The landscape gardener will consider, chiefly, the habit of the plant, its floriferousness and its general effect at a distance, planted in masses. The full size and heaviness of many of the finest cut-flower varieties render them unfit for this purpose, and both classes would debar entirely, for one reason or another, hundreds of the varieties which would appeal to the amateur, who would see so much beauty in many of the various forms which would not appeal to the landscape architect, or which, for some reason, would debar them from the commercial or cut-flower class.

Many amateurs admire the semi-doubles, the loose crown types and other distinct types, so that in selecting our list of the "best hundred" the tastes of all classes must be taken into consideration.

I must confess that my own taste in the selection of the varieties is largely that of the amateur, since my prime motive in growing Peonies has never been for cut flowers as a specialty. The single Peony as a cut-flower is not a good seller, but where can there be found among all the doubles anything to compare with such singles as Stanley, Jupiter or La Fiancee, for large massing of color effect. Their upright habit and lightness of flower enables them to withstand the rain and winds so destructive to the heavier double kinds. There are, it is true, a large number of inferior single varieties which should be promptly eliminated from our list, which is true also of a large number among the other classes.

We have previously been cautioned against the tendency to name new seedlings which are inferior to varieties already in existence. There are so many almost perfect varieties that many believe it nearly impossible to make any additions that are genuine improvements. The American Peony Society should, and it is to be hoped will, come to be recognized as the authority competent to pass on the merits of a new introduction, and it should be so conservative that its certificate of merit granted to a new variety should become a guarantee of the value of the new introduction.

The splendid collection which will be in existence at Cornell University will furnish the Society with unusual facilities for judging a new variety. Whenever possible, a specimen plant of the new variety should be sent to Cornell, in order that it may prove its merits among the older varieties already established. This cannot always be done while the originator is in possession of only a few plants which he would not wish to disturb, or part with, neither is it possible for him always to send flowers to the exhibition, which may be held so far away, or at a season when his plants are out of bloom.

To overcome this, I offer the suggestion that committees be appointed in several localities, to whom a new variety might be submitted, and if it met with the approval of the sub-committee they might recommend the variety and have it passed upon by the Society, as a whole, at a later date. This would necessitate some delay in final recognition, which would not be unwise, as the merits of a variety cannot always be finally judged until after several years have passed.

Mr. Rosenfield has set us a good example of conservatism in this matter of naming new varieties, for while he has grown seedlings for many years he has introduced but comparatively few varieties, and I am sure all who have seen his Karl Rosenfield will agree that it is a worthy addition to our list, and that, even among the vast number of reds, there was room for this one. There is room also for an early red to compare with and bloom with Festiva maxima; and while the standard established by the French growers is high we should not fail to recognize and encourage any good thing which originates at home.

I must not forget to mention the courtesy of the Society of American Florists, in sending, through the secretary, an invitation to the American Peony Society to meet with them during their last meeting at Cincinnati and making the suggestion that the American Peony Society and the Society of American Florists should cooperate, as our interests are mutual. It was not deemed advisable to attempt to have a meeting with them last Fall, as at that season of the year we would not have blooms to show. But it is possible that in the future a joint meeting might be arranged, and we cannot fail to appreciate the courtesy extended to us and to reciprocate the friendly feeling shown toward us.

I am also pleased to be the bearer of a message from our honorary president, Mr. C. W. Ward, to the Society, expressing his regret that continued ill health makes it impossible for him to be with us at this meeting. But he wishes me to assure you that he retains all his interest in the Society and that he hopes in the near future to be able to take an active part in its work.

The report of the secretary was next read, and was as follows:

Secretary's Report

The present membership of the American Peony Society includes fifty-two active members and five honorary members. During the year we have lost one member by death—Thomas C. Thurlow of West Newbury, Mass., who passed away July 2 last. He was a charter member of the Society, taking great interest in all that pertained to it, and was one of the first to make a specialty of the Peony in this country. In his death the Society has lost a valuable member and those of us who were privileged to know him intimately have lost an esteemed friend.

Since the organization of the Society in 1903, we have lost by death three members, and by withdrawals, and those who have dropped out, twelve:

Starting with a mere handful of signers in 1902, the membership increased to thirty-six during the year of organization, and notwithstanding these losses, has steadily grown to its present number. It is very encouraging to note that at least two of the members who dropped out have this year reinstated themselves, showing that the work accomplished by the Society has a substantial value and that although they have been a long time in maturing, the fruits of our labors are beginning to be available and all honor is due to those who have stood by and made it possible to accomplish these results. The way has not been altogether a smooth one and many obstacles have presented themselves, the most embarrassing of which has been the comparative smallness of our membership, which has necessarily limited our available funds, both for carrying on the nomenclature work and the payment of prize money to successful exhibitors.

The original membership was very largely composed of commercial men and included the greater part of the large dealers of the country. The number of these latter must necessarily be limited, and it is to the amateur class that we must look for future members and to which the commercial man must look for his most profitable business. The field is a large one and every member should feel it incumbent upon himself to use what influence he may have with such of these as he may come in contact with, to interest them in our work and secure them as members. The circular sent out a short time ago was a move in this direction and was intended to help to present the matter to the public.

From the inception of our Society the interest has centered almost entirely upon the herbaceous class of Peonies, particularly the albiflora varieties. This in itself is not surprising, as this class is by far the most common and easiest of cultivation; but the time must come when more thought will be given to the Montan class, or Tree Peonies. In them we find an entirely different range of color, many of them being exquisitely beautiful in shade and texture. Preceding in their time of flowering as they do the albiflora class, they widen the Peony season very materially and add a peculiar charm to the garden.

Undoubtedly the great reason for their scarcity is the impression that has gone forth that they are very difficult to cultivate. It is true they are slow in coming to perfection, and that grafting must be resorted to, to perpetuate the varieties, but where love and skill is bestowed upon them these difficulties fade away and the reward is a ravishing display of beauty that will repay all the time and care given them. Without doubt, many will take exception to these statements but in reply to them I would say that to be convinced that what I have said is true they should visit the gardens of Prof. C. S. Sargent at Brookline, Mass., and see what can be done with the Montan when its culture is made a specialty of, as it has been done there under the management of Charles Sander.

The exhibition in connection with the meeting at Queens, last June, was a fairly good one and did much credit to the exhibitors, who, though few in numbers, staged a large number of fine flowers. B. H. Farr, Geo. H. Peterson, S. G. Harris, T. A. Havemeyer and John Lewis Childs were the exhibitors. Although the exhibition of cut blooms was a good one, the display in the fields proved the greater attraction, for it is seldom that such a magnificent display of flowers is to be seen. They were growing on perfectly level land in one immense block of about seven acres, with rows five hundred ft. in length, and offering an unusual opportunity for studying the individual characteristics of the varieties, as well as the color effects in masses.

The visiting members and friends feel deeply indebted to the Cottage Gardens Co. for the many courtesies shown them during the two days of the meeting, which was marred only by the unavoidable absence of Mr. Ward, our ex-president, and head of the Cottage Gardens establishment.

(*Concluded on page 1082*)

A Nebraska Peony Field

Our view is that of one of the fields of Peonies of J. F. Rosenfield, Peony specialist at West Point, Neb. Mr. Rosenfield says: "The illustration shows how well Peonies will recover from a serious freeze-up. On April 12 last, after our plants had attained several inches of growth, we had the worst blizzard and freeze we have ever known. The Peonies were knee-high in snow, but recovered and have been blooming well this Spring."

The Australian canyon shown in the photograph was designed and constructed by James Veitch & Sons, the whole being constructed of "real" stone, with trickling waters and a pool. Exotic Ferns and plants adorned the structure, which was one of the finest features of the great Australian Building at the 1908 Exhibition.
T. A. W., Eng.

Among the Growers

ENGLEWOOD AND TENAFLY, N. J.

A visitor to the several greenhouses in Englewood and Tenafly is impressed, not with the size of the ranges, but with the substantial build, and good state of repair in which they are kept, and the general air and tone of prosperity. There appears to be no specialty in common among the growers of this section, except that several of them give considerable attention to the growing of single Violets. Many of the growers have some good local trade. Some consign to New York wholesalers, and some sell direct to the retail trade.

John Lange, Englewood

An acre of land right in the heart of a beautiful town on which are six well built greenhouses, with 15,000 ft. of glass, a hot water heating system, a pretty dwelling house, and well kept grounds sum up Mr. Lange's establishment.

One house is used for growing white and pink Killarney Roses, and a second for Carnations, white and pink Enchantress, Beacon, White Perfection and Winsor being the varieties used. 'Mums are grown in one house; the varieties chiefly used are Golden Glow, Polly Rose, Glory of Pacific, Virginia Poehlmann, Appleton, white and yellow Eaton, Dr. Enguebard and yellow and white Jones, which latter Mr. Lange considers most profitable of all 'Mums. He is trying out some new varieties, such as Pres. Taft, Golden Eagle, etc. Four blooms are produced on each plant. The early varieties are grown on benches, and the late ones in solid beds.

One house is devoted to Mignonette. The seeds are sown in the first part of August and blooms are cut by Christmas, and continue to be cut until after Easter. Mr. Lange uses seed of his own saving and has been making careful selections for eight years. Boston Ferns occupy another house.

Smilax and Asparagus are grown, and some Palms and Dracænas. Some bedding plants are also grown; about 8000 each of Geraniums and Salvias, 5000 Coleus, etc. Mr. Lange has a first-class local trade which takes most of his products, including about 1000 Poinsettias grown for Christmas. He makes some consignments to Alexander J. Guttman, 34 West 28th st., New York City.

McQuaid Bros., Englewood

McQuaid Bros. have five acres of level land on the Tenafly road, on which are seven houses with 15,000 ft. of glass, heated with hot water. Raised benches are used. Four houses are used for Carnations, of the varieties white and pink Enchantress, Winsor, Beacon, and Victory. It may be noted here that the uptodate varieties of Carnations are used among the growers of this section.

Richmond, Perle and Ivory Roses are grown in one house, and Palms and Ferns, used mostly for local decorations, occupy a house. One house is used for 'Mums, and one for California Violets. A few Violet plants are taken in fairly early, but the rest are left out very late, even until November, and it is found that when these Violet plants are benched so late, they at once begin to produce blooms, instead of running to leaves.

Some bedding plants are also grown; about 8000 each of Geraniums and Salvias, Coleus, etc.

The Carnations have given in the past season very satisfactory results. Ten thousand to twelve thousand young Carnation plants in the field are very promising. Consignments are made to J. K. Allen, 106 West 28th st., New York City.

F. R. Barrett, Englewood

Mr. Barrett has three acres of land on which are four greenhouses with 12,000 ft. of glass, and hot water heat. Carnations are grown in two houses, on benches. The varieties used are pink and rose pink Enchantress, Harlowarden, Beacon, Winsor, and White Perfection. The old plants have all been taken out, and carefully set in the open ground, at the same depth as they were when on the benches, and with the wire supports around them. The wet weather has been favorable, therefore they have received little check from the transplanting and are continuing to bloom. This same procedure in the case of Genevieve Lord gave good results last season.

The young plants at this establishment are already being benched. This early benching gives long stems, and blooms of fine quality early in the Autumn, when such blooms bring a good price.

One house is used for growing Princess of Wales Violet in solid beds. The Violet plants are set in August.

Sweet Peas are grown in one house in solid beds. Christmas Pink and White, are planted about Aug. 15, and between these are planted Blanche Ferry. Cutting of blooms began last year in October, and has continued until the present time. They have proved very profitable.

A few Summer Stocks are being tried. Mr. Barrett has a substantial dwelling house of concrete blocks in the process of erection.

E. C. Lounsbury (G. N. Lounsbury, Manager), Tenafly

Five well built greenhouses with concrete side walls, and in the Violet houses concrete solid beds, make up Mr. Lounsbury's substantial and well located range. Carnations, mostly Winsor, are grown on benches in two houses, and in the other three houses Princess of Wales Violets are grown in solid beds. The Carnations are still giving a good cut of blooms. The products of this range are sold direct to retailers.

IN PENNSYLVANIA

Alphonse Pericat, Collingdale, Pa.

The well built range of Mr. Pericat, consisting of six greenhouses with 15,000 ft. of glass is entirely devoted to growing Orchids, about 25,000 plants. Of these about 15,000 are Cattleya Trianæ, which is considered the most profitable variety. Other Cattleyas also are grown, such as labiata, Mossiæ, gigas and Gaskelliana.

Of the Dendrobiums, Phalænopsis and Wardianum are worthily grown, also Phalænopsis amabilis and Schilleriana. Vanda cœrulea are grown in considerable numbers, and are considered a paying proposition.

Other varieties also are grown in smaller numbers. Mr. Pericat is now erecting a new house, with material furnished by Lord & Burnham Co., 71 by 20 ft. in which, among other Orchids, he will try a collection of Cypripediums. A large invoice of Orchids has already been received for new plantings. Everything about Mr. Pericat's range shows great care and good culture. Some fine blooms are now being cut, especially of Cattleyas gigas and Gaskelliana. The blooms from this range are sent into the Philadelphia market.

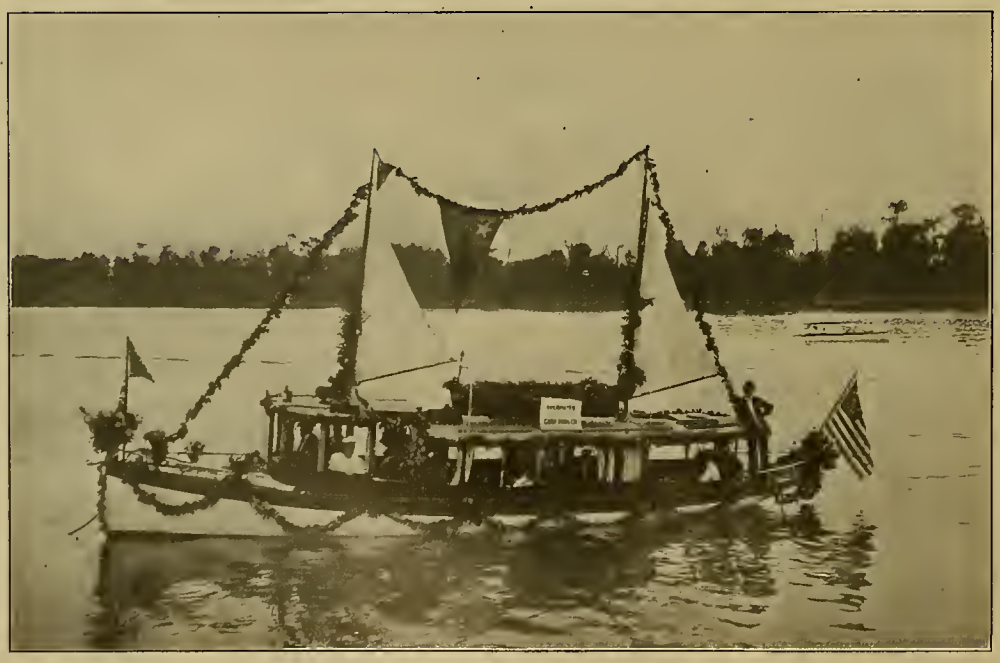
Godfrey Aschmann, Philadelphia, Pa.

In the nine houses of Mr. Aschmann's range is grown a large variety of stock; he has very recently received an importation of Araucarias excelsa, glauca and compacta, to the number of 5000 plants, which he is now potting and arranging in three of his houses. Three houses are devoted to Ferns, in which he is growing Whitmani, Scottii, Scholzeli, compacta and Boston, which are growing on for the Fall trade. One house is used for Palms, such as Cocos, Kentias Belmoreana and Forsteriana, and Cycas revoluta.

Cannas, Coleus, Geraniums, Salvias, Primulas, etc., are also grown, Mr. Aschmann reports a great sale of Moon Vines, to the number of 25,000. An importation of about 6000 Azaleas is expected later.

C. Eisele, Philadelphia, Pa.

Mr. Eisele's five greenhouses were mostly rebuilt by Hitchings & Co. last year. A general line of plants is grown of many kinds, among which may be mentioned Hydrangea Otaksa and Thomas Hogg, Dracæna indivisa, Coleus in variety, Alternanthera, Ferns in variety, small Palms, and English Ivy. He has had a very large sale of Clematis paniculata and Ampelopsis Veitchii. A new street has recently been opened alongside of one end of the range.



Yacht Decoration by Gude Bros. & Co., Washington, D. C.

Ericas Prime Favorites

Another great market flower is the Erica, and probably our largest growers are H. Evans & Son of Sidcup, Kent.

Early in the year Ericas make an appearance in the market, and for months the supply is kept up, different varieties following on each other. The Evans' raise about half a million plants, but this season the number is considerably exceeded, for when I visited this place a number of 200-ft. houses were packed with thumb pots, pot thick, each pot containing a small cutting. Not all this vast number is grown on into 4½-in. pots, for there is an abnormal demand for miniature flowering plants, in tiny pots. These tiny plants are about 3 in. or 4 in. high, and are covered with flowers in the Spring, and for decoration work they are charming. These little plants are placed in special flat boxes, similar to a seed

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

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The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — **ALBANY, N. Y.** — **11 North Pearl Street**
Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

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Atlanta Floral Co. — **ATLANTA, GEORGIA** — **41 Peachtree Street**
We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — **BOSTON, MASS.** — **124 Tremont Street**
We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — **BOSTON, MASS.** — **24 Tremont Street**
Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Zinn the Florist — **BOSTON, MASS.** — **No. 1, Park St. No. 2 Beacon St.**
Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

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Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — **BUFFALO, N. Y.** — **W. J. PALMER & SON, 304 Main St.**

Friedman Flowers — **CHICAGO ILL.** — **185 Michigan Avenue**
Courtesies extended to all Florists

JULIUS BAER, CINCINNATI, O. — **Fourth St.**

Frank F. Crump — **COLORADO SPRINGS, COLO.** — **Retail Florist**
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co. — **NEW HAVEN, CONN.** — **1026 Chapel St., Opposite Yale College**
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. S. Matthews — **DAYTON, OHIO** — **Florist, 16 West Third Street**
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Bride's Bouquet of White Killarney Roses and Lily of the Valley, bordered with Adiantum Farleyense, and tied with white ribbon.
By W. J. Palmer & Son, Buffalo, N. Y.

flat, the lid being cut to allow 12 little pots to stand in it without rocking. Thousands of these boxes are sent to the northern markets weekly.

Another item grown on an enormous scale at Evans' for Spring decorating, is Rhodanthe. The two varieties, white and pink, are very popular over here, owing to the pretty composite flowers, and their lasting qualities. The Rhodanthe is really an everlasting flower, for the flowers may be treated to keep like Immortelles.

This dainty little annual is easy to grow and for market work the plants are grown thickly in 4½-in. pots, each plants producing a truss of bloom. For London markets most of the plants are shipped as grown, but for the northern markets they have to be treated so as to reduce the bulk. Evans & Son send enormous quantities away, and before doing so each potful is turned out, and the ball cut in half, horizontally. The knife is then run right round the remaining ball, as if peeling a Potato, the ball by this time being reduced sufficiently to go into a Primula pot, viz.: a special shallow pot two inches across. These pots are the same as used for the baby Ericas, and when the Rhodanthes are set into them, the pots are placed in boxes holding one dozen. Being of an everlasting nature, the Rhodanthe does not suffer from this rude treatment.

T. A. W., Eng.

For "Supply" Advertisements see page 1080

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

John Breitmeyer's Sons — **DETROIT, MICH.** — **Broadway and Gratiot Ave.**
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

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Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

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We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

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I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

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J. A. VALENTINE, *Prest.* Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

Jacob Schulz — **LOUISVILLE, KY.** — **644 Fourth Avenue**
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — **MONTREAL, CANADA** — **855 St. Catherine St., West**
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Alex. McConnell — **NEW YORK** — **571 Fifth Avenue**
American and European Correspondence.

Young & Nugent — **NEW YORK** — **42 West 28th Street**
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — **ROCHESTER, N. Y.** — **25 Clinton Avenue, North**
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark, Florist — **SCRANTON, PA.** — **122 and 124 Washington Ave**
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — **ST. PAUL, MINN.** — **20-22-24 West Fifth Street**
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Celtic	Jun. 18	9.00 am.	W. 21st St., N.Y.	Liverpool
New York	" 18	10.00 am.	W. 23rd St., N.Y.	Southampton
Lapland	" 18	11.00 am.	W. 18th St., N. Y.	Antwerp
Koenig Albert	" 18	11 00 am.	3rd St., Hoboken	Gib-Nap-Geno
Cleveland	" 18	2.00 pm.	1st St., Hoboken	Hamburg
Minneapolis	" 18	3.00 pm.	W. 16th St., N.Y.	London
Furnessia	" 18	3.00 pm.	W. 24th St., N.Y.	Glasgow
Roma	" 18		Pier 33, Bklyn	Naples
Hamburg	" 21	9.00 am.	1st St., Hoboken	Gib-Nap-Geno
Noordam	" 21	10.00 am.	5th St., Hoboken	Rotterdam
Kronp. Cecilie	" 21	10.00 am.	3rd St., Hoboken	Bremen
Oceania	" 21	12.00 m.	Bush Dks. Bklyn	Naples-Genoa
Luisiana	" 21	12.00 m.	Bush Dks. Bklyn	Naples-Genoa
Mauretania	" 22	9.00 am.	W. 14th St., N.Y.	Liverpool
Majestic	" 22	9.30 am.	W. 21st St., N.Y.	Southampton
San Giorgio	" 22	12.00 m.	Pier 22, Bklyn	Napls-Palrmo
La Lorraine	" 23	10.00 am	W. 15th St., N.Y.	Havre
Graf Waldersee	" 23	10.00 am.	1st St., Hoboken	Hamburg
Main	" 23	10.00 am.	3rd St., Hoboken	Bremen
Uranium	" 23		Pier 38, Bklyn	Rotterdam
Columbia	" 25	9.00 am.	W. 24th St., N.Y.	Glasgow
Minnetonka	" 25	9.30 am.	W. 16th St., N.Y.	London
St. Paul	" 25	10 00 am.	W. 23rd St., N.Y.	Southampton
Carmania	" 25	10.00 am.	W. 14th St., N.Y.	Liverpool
Kroonland	" 25	11.00 am.	W. 18th St., N.Y.	Antwerp
Neckar	" 25	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
K. Aug. Victoria	" 25	11.00 am.	1st St., Hoboken	Hamburg
Cedric	" 25	12.00 m.	W. 14th St., N.Y.	Liverpool
D'a D' Abr'zzi	" 25	12.00 m.	W. 34th St., N.Y.	Naples-Genoa
Caroline	" 25	3.00 pm.	W. 44th St., N.Y.	Havre
Chicago	" 25	3.00 pm.	W. 15th St., N.Y.	Havre
Kronpr. Wilhelm	" 28	10.00 am.	3rd St., Hoboken	Bremen
Rotterdam	" 28	10.00 am.	5th St., Hoboken	Rotterdam
Lusitania	" 29	9.00 am.	W. 14th St., N.Y.	Liverpool
Bleucher	" 29	10.00 am.	1st St., Hoboken	Hamburg
Adriatic	" 29	11.00 am.	W. 21st St., N.Y.	Southampton
Oceania	" 29	1.00 pm.	Bush Dks, Bklyn	Napls-Trieste
Venezia	" 29	12.00 m.	Pier 33, Bklyn	Naples
La Savoie	" 30	10.00 am.	W. 15th St., N.Y	Havre
Pr. F'd'k Wilhelm	" 30	10.00 am.	3rd St., Hoboken	Bremen
T'm'so di Savoia	" 30	12.00 m.	Gr'nd St., Jer. Cy	Naples-Genoa
Mesaba	July 2	9.00 am.	W. 16th St., N.Y.	London
Philadelphia	" 2	10.00 am.	W. 23rd St., N.Y.	Southampton
Prinzess Irene	" 2	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Finland	" 2	11.00 am.	W. 18th St., N. Y.	Antwerp
Cretic	" 2	12 00 m.	W. 21st St., N. Y.	Gib-Nap-Geno
Deutschland	" 2	1.00 pm.	1st St., Hoboken	Hamburg
From Boston				
Winifredian	Jun. 18	5.30 pm.	B&H Dks, E. Bos	Liverpool
Saxonia	" 21	9.00 am.	B&H Dks, E. Bos	Liverpool
Canadian	" 22	9.30 am.	B&H Dks, E. Bos	Liverpool
Numidian	" 24	10.00 am.	Mystic Whf Char	Glasgow
Romanic	" 25	12.00 m.	B & M Dks. Char	Gib-Nap-Geno
Zeeland	" 28	3.00 pm.	B& M Dks, Char.	Liverpool
Anglian	July 1	5.00 am.	B & M Dks. Char	London
Philadelphia				
Haverford	Jun 18	10.00 am.	53 So. Wharves	Liverpool
Menominee	" 24	10.00 am.	55 So. Wharves	Antwerp
Carthagenian	" 25		24 No. Wharves	Glasgow
Verona	" 29		80 So. Wharves	Naples-Genoa
Merion	July 2	10 00 am.	53 So. Wharves	Liverpool
San Francisco				
Nippon Maru	Jun. 21	1.00 pm.	1st Street	Honolulu
Siberia	" 28	1.00 pm.	1st Street	Japan
China	July 6	1.00 pm	1st Street	China

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having this answers directed care our Chicago office, Room 614, No. 60 Wabash avenue.

SITUATIONS WANTED

SITUATION WANTED—As general greenhouse assistant. State full particulars in first letter. Address, F. J. Taney, 132 Guernsey st., Brooklyn, N. Y.

SITUATION WANTED—As assistant; eight years' experience. Address, "F," care Marshall & Co., Seed Store, 146 W. 23d st., N. Y. City.

SITUATION WANTED—By first-class storeman and decorator. High class city experience. Address, "L", 217 W. 68th st., N. Y. City.

SITUATION WANTED—By decorator in gentleman's country house; advertiser has had greenhouse experience. Address, "Dec," care W. E. Marshall & Co., 146 West 23d st., N. Y. City.

SITUATION WANTED—By an experienced Rose Grower, age 35, single, who is 10 years at the present place. Good wages are expected and full satisfaction is guaranteed. Address, T. D., care The Florists' Exchange.

SITUATION WANTED—By all-around experienced gardener, 45, as assistant; life experience in England, 1 year in Canada; working for employers' interest. Address Rowe, care of Boddington, 342 W. 14th st., N. Y. City.

SITUATION WANTED—By florist, single, age 25, with 8 years' practical experience; honest, sober, willing worker for employer's interest; commercial or private place; can furnish reference. Please state wages and particulars in first letter. Address, T. A., care The Florists' Exchange.

SITUATION WANTED—By gardener and florist, German, single man with thorough experience in cut flowers, Christmas, Easter and bedding stock; maker-up. Knowledge of Perennials and nursery stock. Permanent position on up-to-date private or commercial establishment expected. Address, T. B., care The Florists' Exchange.

SITUATION WANTED—By gardener and florist at once or later on; advertiser has had charge and left place for good reason. Address FR. BADEWITZ, General Delivery, Washington, D. C.

HELP WANTED

WANTED—Good, sober, general greenhouse man as assistant, who can do designs. G. S. Ramsburg, Somersworth, N. H.

WANTED—A first-class, energetic man for store work and buying. References. H. Hart, 1000 Madison ave., N. Y. City.

ASSISTANT FOREMAN WANTED—On a large place; if competent, $20.00 per week salary. State full particulars. Address S. D., care The Florists' Exchange.

WANTED—Useful man on large plant; one who understands steam boilers preferred. Good position to right party. Address S. E., care The Florists' Exchange.

WANTED—For private place, thoroughly experienced man to grow Roses, Carnations, 'Mums, flowering and decorative plants; must furnish references for having grown same. $40.00, board and room. Address, T. C., care The Florists' Exchange.

WANTED AT ONCE.—A first-class grower of Roses, Carnations, 'Mums, Violets and bedding plants; must be maker-up and designer, sober, honest, industrious and capable of taking charge, if necessary. Wages $15.00 per week. Address, giving references, F. L. Tripp, 100 East St., Walton, N. Y.

WANTED

Young men with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best recommendation.

Address

THE ELM CITY NURSERY CO., New Haven, Conn.

Please mention the Exchange when writing.

Continued to Next Column

HELP WANTED

WANTED AT ONCE.

Thoroughly competent man on up-to-date place of 32,000 sq. ft. of glass, where Carnations, Roses, 'Mums, bedding stock and a general stock are grown. Send references and wages wanted, with inquiry. Aug. von Boeselager, Mt. Clemens, Mich.

WANTED.

A man who has worked as an all-around greenhouse man. A permanent place for a sober, industrious and quiet man. Good character required. Wages $10.00 per week and room. George Corbett, Florist, College Hill, Cincinnati, Ohio.

STOCK FOR SALE

ASPARAGUS

ASPARAGUS SPRENGERI

2¼ in. pots, fine stock, $2.25 per hundred, $20.00 per thousand.

The Good & Reese Co., Springfield, Ohio. Largest Rose Growers in the World.

STOCK FOR SALE—Asparagus Sprengeri, large seedlings, 50c. per 100. Asparagus Sprengeri, out of 3 and 3½-in. pots, $5.00 per 100. Salvia, Bonfire out of 3 and 3½-in., pots, $3.00 per 100.

Smilax, extra large young plants, cut back the second time, 2¼-in. pots, $15.00 per 1000 or $2.00 per 100. Cash with order.

P. J. Schroeder, Chapin Greenhouses, Pine Brook, N. J.

GERANIUMS

GERANIUMS—Double Grant, fine stocky plants, in bud and bloom, 6 cents. Cash with order. Shelly, The Florist, Tuckahoe, N. Y.

700 GERANIUMS, 3½-in. pots, mostly Double Grant, in bud and bloom, $5.00 per 100; 1500, 2½-in., $2.50 per 100. Cash please. Arthur Cornelis, Somerville, N. J.

200 MME. SALLEROI GERANIUMS, large 3½-in. stock, at $4.00 per 100; also 100 Grant Geraniums, 3½-in., in bud and bloom for $5.00; good healthy stock. C. B. Wetherby, Fulton, N. Y.

ROSES

ROSES, STRONG, CLEAN STOCK

Own root: Bride, Bridesmaid, Chatenay, Golden Gate, Pink Killarney, Kaiserin and Perle, $6.00 per 100; Grafted White Killarney, $14.00 per 100. P. R. Quinlan, Syracuse, N. Y.

600 American Beauty Rose Plants

Fine healthy stock, 4 inch pots, $10.00 per 100; or will take $50 00 for the lot.

NASON & SONS, Murray Hill, N. J.

Please mention the Exchange when writing.

MISCELLANEOUS

SMILAX—Strong plants, several times cut back, 2-in. pots, $2.00 per 100. Sample on request. M. S. Foreman, Louisiana, Mo.

BEGONIA VERNON, from 2 and 3 inch pots, for bedding, 3c. to 4c. each. J. H. Pladeck, Elmhurst, N. Y.

SALVIA ZURICH, 2-in., $1.50 per 100. S. A. NUTT, 2-in., $2.00 per 100. F. A. Ezold, Haddam, Conn.

POINSETTIAS.

Fine young Poinsettia stock in 2½-in. pots. Correspondence solicited. W. H. Siebrecht, Astoria, L. I., N. Y.

STOCK FOR SALE—40,000 Verbena plants in bud and bloom, $20.00 per 1000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

STOCK FOR SALE—Ivy, 5 and 6-in. pots, 4 to 4½ feet high, $18.00 per 100; nice strong plants. Also 6,000 Alternantheras. Herman Maenner, Cor. Collins and Mt. Olivet Aves., Maspeth, N. Y.

CANNAS—4 in., $7.00; Geraniums, Rose, 3½ in., $7.00; Mme. Salleroi, 3 in., $5.00. Heliotrope, 3½ in., $7.00, 2¼ in., $2.50. Salvia, 3½ in., $5.00, 2¼ in., $2.00. Peckham Floral Co., Fairhaven, Mass.

STOCK FOR SALE—Hydrangeas, in butter tubs, covered with buds and bloom, $3.00 and $4.00 each.

Caster Oil Bean Plants, $6.00 per 100.

Anthericums, $6.00 per 100.

Eswell Kemp, 349 Grove st., Newark, N. J.

STOCK FOR SALE—2,000 Maid Plants, in 4-in. pots, at 6c. each; 300 one year old Gardenia Plants, in 4-in. pots, at 25c. each. All elegant plants; also 10 second hand 4-in. hot water valves, at $2.50 each. Brant-Hentz Flower Co., Madison, N. J.

SEASONABLE PLANTS.

Mme. Salleroi Geraniums, fine plants, $5.00 per 100.

Alternanthera, yellow, $20.00 per 1000.

Verbena, 3½-in. pots, $4.00 per 100.

Vinca, Rosea and Alba, 4-in., $7.00 per 100.

Golden Privet, fine bushy plants, $25.00 per 100.

Fredk. Marquardt, 1814 Metropolitan Ave., Brooklyn, N. Y.

BEGONIA Lorraine and Agathe—2½-in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500.

Box Trees, all sizes. Ask for special list.

Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.

Orchids, largest stock in the country.

Stove Plants and Crotons, finest collection.

Julius Roehrs Co., Rutherford, N. Y.

Continued to Next Column

STOCK FOR SALE

MISCELLANEOUS

FERNS

Ferns in flats, ready for immediate delivery, separate varieties; Pteris adiantoides, P. magnifica, P. Mayii, P. Wilsonii, P. Wimsetti, Aspidium Tsussimense, and Cyrtomium Falcatum.

KESSLER BROS.

450 Sixth Avenue, NEW YORK

Please mention the Exchange when writing.

VEGETABLE PLANTS

VEGETABLE PLANTS

Millions of fine large stocky Cabbage Plants of early or late varieties, including all the best standard sorts: $1.25 per 1,000, $5.00 per 5,000. Try them. Also Pepper, Brussels Sprouts, Kale, Celery Plants, etc. Alonzo J. Bryan, Washington, New Jersey.

VEGETABLE PLANTS. **TOMATO.** Best Early Varieties. Strong, Transplanted, **50c.** per 100. **CAULIFLOWER. Favorite and Snowball, 50c.** per 100, **CABBAGE,** in large variety, **25c.** per 100, **$2.25** per 1000. Cash with order.

WM. C. LESTER, PLAINVILLE, CONN.

Please mention the Exchange when writing.

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in Plants, Bulbs or Nursery Stock.

WANTED—Latania Borbonica, 3½ to 5 feet tall; also Hydrangea Otaksa, in half barrels or butter tubs. N. A. Corlin, Elberon, N. J.

FOR SALE OR RENT

FOR SALE—10 farms, 6 greenhouses, all stocked, will be sold at retail. A rare bargain. John Lealman, Box 29, Route 1, Vineland, New Jersey.

FOR RENT—About 5 acres with dwelling and barn, choice ground for florist or truck gardener; location in Secaucus, N. J. Apply to Boulanger, 323 Canal st., N. Y. City.

FOR SALE ON EASY TERMS—Greenhouse establishment, about 10,000 ft. of glass, doing most excellent home business in very wealthy section, near New York. Address, R. D., care The Florists' Exchange.

TO LEASE—In Brooklyn, 10,000 to 12,000 sq. ft. of glass in good condition. Place fully stocked. Handy to cars. For further particulars address R. B., care The Florists' Exchange.

FOR SALE IN MADISON, N. J.

$4000.00, easy terms, will buy 3 greenhouses, each 20x150, with 4 rooms attached, plot 75x250 feet, south exposure, desirable. Local Express to N. Y. City. A. L. Reynolds, Madison, N. J.

FOR SALE—Greenhouse property of 10,000 ft. of glass. A 1 condition. Steam heating, electric light; the same is stocked with Roses, Carnations and bedding plants. The reason for selling: I have two establishments and must dispose of one. Inquire of W. D. Snell, Herkimer, N. Y.

WANTED TO SELL

Wishing to retire from business, I will sell, on easy terms, my greenhouse establishment consisting of 12 houses, about 30,000 feet of glass, stock and tools, 10 acres of land, centrally located to four large cities, Boston, New York, Providence and Worcester. I mean business, triflers do not apply. The place must be seen to be appreciated as a bargain. Address,

T. F., care The Florists' Exchange

BUSINESS OPPORTUNITY PACIFIC COAST

Controlling interest may be acquired in old established Florist and Nursery Business. Splendid properties, 25,000 feet of glass, 20,000 feet of new modern, best construction. Town 15,000, with large cities nearby. Property is well stocked, with all buildings in first-class condition; doing a very profitable business, which can be increased to any extent. Splendid reputation and no embarrassment of any kind. Address for particulars.

P. G., care The Florists' Exchange, New York City

SEED BUSINESS FOR SALE

FOR SALE:—A mail order and retail seed business, well established and well equipped; mailing list of 35,000 names in Kansas and adjoining states, 15,000 of these actual buyers last season. Splendid opportunity for a man with a small capital. Address.

ZIMMERMAN SEED CO., Topeka Kans.

Please mention the Exchange when writing.

MISCELLANEOUS WANTS

WANTED TO RENT—Retail greenhouse establishment in good condition. State terms. Address Box 97, Jersey City, N. J.

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED—The present address of Andrew ——— who worked for me a short time in or about 1901. Chas. B. Lawson, Mott Ave. and 146th St., New York City.

BUSINESS CONNECTION DESIRED

A landscape gardener, talented and well acquainted with everything horticultural wants to come in connection with a large Nursery or other establishment. Address, P. B., care The Florists' Exchange.

WANTED

An Agency for First Class Vegetable Fertilizer

Write with full details and samples to

ALBERTO R. LANGWITH & CO.

Seedsmen and Florists

66 Obispo Street, Havana, Cuba

Please mention the Exchange when writing.

ADVERTISER

would like to communicate with a

Florist or Nurseryman

with ten or twelve thousand dollars who would like to go into business on the Pacific Coast. Address,

S. C., care The Florists' Exchange

Please mention the Exchange when writing.

SUNDRIES FOR SALE

FOR SALE—Range of greenhouses, to be torn down and removed. Steel construction, good condition. Can be bought cheap. For particulars apply to Queensborough Corporation, 1286 Broadway, N. Y. City.

FOR SALE—No. 6 Kroeschell hot water boiler, will heat 12,000 feet of glass. Boiler 4 years old and good as new. 1 Furman hot water boiler No. 8, in good condition. Come and see them working. L. Cousins, Jr., Concord Junction, Mass.

FOR SALE—Modern greenhouse, 22x80, with propagating house, 6x80, attached, Hitchings all iron construction, complete, cheap; also 25,000 feet 1¼, 1½, 2 and 3 in., wrought pipe; 1,000 feet Vent. Apparatus; 2 No. 17 Hitchings and 3 sectional cast boilers; 50 boxes 10x14 and 60 boxes 16x24 double thick glass; 300 boxes 10x12 double thick glass in big lots at $1.55 per box. Sash bars, etc. Suessermann, 229 Livingston st., Newark, N. J.

Plant Culture

By GEO. W. OLIVER

Propagator to the Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C.

New, revised and enlarged edition, fully illustrated, handsomely printed on enameled paper and bound in Vellum de Luxe cloth, 12 mo., 300 pages. Sample pages on application. Purely an American book by an American author.

The Book of Books for the Grower. Compact, concise, practical, containing all the information bearing on present day practice. You need it for yourself, for your foreman, for your men.

SPECIAL OFFER

To New Subscribers or to Subscribers Renewing: The Florists' Exchange two years and one copy of Plant Culture by mail, postpaid, $3.00.

To Present Subscribers: Plant Culture postpaid, per copy, $1.00.

Positively, Plant Culture will not be sold to non-subscribers at less than $1.50 per copy.

THE FLORISTS' EXCHANGE, P.O. BOX 1697 NEW YORK

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Prices Advertised in these Columns are for THE TRADE ONLY

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 6¾c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 11c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 600 ft., with couplings, 50 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 260 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 86c., glazed complete. $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 50 sq. ft. to the box, 8x10, 10x12 and 10x15 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Ave., BROOKLYN, N. Y

Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the Exchange when writing.

A RECORD TO BE PROUD OF

The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00

For full particulars address

JOHN G. ESLER, Saddle River, N. J.

Please mention the Exchange when writing.

We Pay the Freight

On Cut-Flower and Design Boxes

Prompt shipment our HOBBY.

CLIMAX MANUFACTURING CO.
CASTORLAND, N. Y.

Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

5000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft., for 5.45c. per ft., in any quantity.

15,000 ft. 2-in. pipe, in lengths of 18 ft. and up, with new threads and couplings, for 5.45c. per ft., any quantity.

25,000 ft. 2-in. standard pipe, with new threads and couplings, lengths of 20 ft., having been used for but a short time, for 6c. per ft.

All the above pipe are guaranteed to be in good condition, free from holes or splits.

All size second-hand pipe, and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.

Roebling & N. 11th Sts., BROOKLYN, N. Y

Please mention the Exchange when writing.

Your Money is well spent when you advertise in THE FLORISTS' EXCHANGE

Newport, R. I.

The Brown Tail Moth caterpillar has made its appearance here on stock received from Massachusetts, but a close watch is being kept to prevent its spread. Newport in the past has been fortunate in escaping the ravages of both the Gypsy and Brown Tail moths, but with both of these enemies on the northern border of the State it behooves all interested to be on the outlook.

With the florists the plant trade is opening up in good shape; there is as yet, however, little doing in the flower line outside of funeral work.

Ralph Armstrong of Wadley & Smyth leaves here on Saturday for New York to assist with the decorations for the marriage of Theodore Roosevelt, Jr.

Robert Hunnick, who was for over 20 years head gardener for Fred. W. Vanderbilt at Rough Point, has accepted a similar position with one of the Maxwell Brothers in Connecticut and has already gone there.

Murmurings are heard against the rule adopted by the school committee last year barring the presentation of flowers as a part of the exercises at the school commencements, but it is understood that the rule is again to be enforced.

ALEX. MACL.

Kalamazoo, Mich.

The first week in June found but little stock in the way of cut flowers going to waste, and prices maintained fairly high as the nights continued cold and the days rainy so that stock came along slowly. Now, however, the weather is more seasonable and so plenty of stock is on hand, but business remains very good. What with social events and the Memorial Sundays of the Friendly Associations things are moving quite lively. School and college commencements will also use up quite a lot of flowers during the next two weeks, so the cut flower trade may be expected to average up well.

The effect of the cold, rainy weather was bad for the bedding plant trade and I think quite a bit of business will be lost entirely for this reason. However the growers had a fairly good season and most of them feel satisfied with the business done. Truck gardeners and small fruit men are perhaps the hardest hit of all, as they have lost much stock in the way of early fruit and vegetables from the late frosts and wet weather, for this Spring has certainly been a record breaker.

The planting in of Roses is now going on busily and a nice healthy lot of stock is being set out by our growers here; at present it looks as if this part of the work will soon be completed. The practice of carrying over the old plants seems to be increasing and the results appear to justify this plan.

Carnations in the field have not made their usual progress and unless we get a lot more favorable weather small plants will be the rule in this neighborhood.

Van Bochove & Bro. have the frames up of a 40,000 ft. extension of their Rose Hill plant and expect to have it completed early in the season in ample time to plant for Carnations. They report another successful year of business.

S. B.

Rochester, N. Y.

Trade for the past week was not very satisfactory and "very little doing" has been the cry. In consequence, the market is pretty well loaded with all kinds of cut flowers, with the single exception of good pink Roses, and Sweet Peas. The demand for Peas, however, has been rather spasmodic, some days no demand for them whatever; then, when wanted, could not be got hold of easily. White Roses and American Beauty are altogether too much in evidence. Am. Beauty is coming in better quality than at anytime this season.

The coming week will, no doubt, see the wind-up of the bedding season. Although orders still come in for stock, the season is much later, due to the continued wet weather, which up to the present shows no signs of abating.

The regular monthly meeting of the Rochester Florists' Association, was held on Monday, June 13, President F. W. Vick presiding and about forty members being present. The principal business transacted was the hearing of the reports of committees in connection with the convention, which showed that satisfactory progress was being made. All are entering into the spirit of the thing and when the plans are complete they will, no doubt, be very satisfactory.

A. H. Secker added much to making the evening an enjoyable and interesting one, by reading a paper giving a brief account of his travels as representative of The Florists' Exchange. His observations and vivid descriptions of some of the establishments visited by him were much appreciated by all present and the members were unanimous in hoping that Mr. Secker would favor us again with a few remarks in the near future.

H. B. STRINGER.

Catalogs Received

JOHN S. WEAVER, Kinzers, Pa.—Retail Price List of Selected and High-grade Aster and Lettuce Plants.

THE UNION NURSERIES, Oudenbosch, Holland.—Wholesale Trade List of Forest and Ornamental Trees, Spring Flowering, Forcing and American Plants, Coniferæ and Evergreens. American agents: McHutchison & Co., 17 Murray st., New York.

VAN HEININGEN BROS. & CO., Boskoop, Holland.—General Trade Catalog of Choice Hardy and Ornamental Nursery Stock, Standard and Low Budded Roses, Azaleas, Clematis, Rhododendrons and Pot Grown Forcing Plants. Van Heiningen Bros. & Co. give notice that, having secured the entire collection of the, at one time well known, Kissena Nurseries (Parsons & Sons Co., Ltd., Flushing, L. I., N. Y.) containing many very rare hardy varieties, the majority of which have never been placed in commercial trade, they have continued to grow these, and are propagating them as fast as they can, feeling that when this collection is again introduced, it will be of great benefit to the list of varieties already in the trade.

THE UNITED STATES NURSERY CO., Roseacres, Coahoma Co., Miss.—Advanced List of Herbaceous Peonies for Autumn, 1910.

M. FROMOW & SONS, Windlesham, Surrey, England. (A. Rolker & Sons, New York, American Agents).—Special Offer of Nursery Stock to American and Canadian Buyers.

PETER HENDERSON & CO., New York.—Henderson's Midsummer Catalog offering Pot-Grown Strawberry and Vegetable Plants, Millet for Summer sowing, Vetch and other grains, together with a list of Perennial Flower Seeds for Summer Sowing.

SCHLEGEL & FOTTLER CO., Boston, Mass.—Wholesale Price List of Bulbs, covering Hyacinths, Tulips, Narcissus, Lilies and Miscellaneous Bulbs, also Flower Seeds for Summer Planting, Garden Requisites, Fertilizers, Insecticides and Fungicides.

HENRY A. DREER, Philadelphia, Pa.—Dreer's Midsummer Catalog, 1910. A 24-page book of Pot Grown Strawberry Plants, Miscellaneous Vegetable Plants, Decorative and Flowering Plants, Palms, Flower Seeds, Vegetable Seeds, Farm Seeds for Summer Sowing, Requisites, Fertilizers, Insecticides and Fungicides. With illustrated front cover showing a section of Dreer's Cactus Dahlia exhibit at the Alaska-Yukon Exposition.

Greenhouses Building

WAVERLY, MASS.—Edgar Bros. are building a new greenhouse.

DAYTON, IND.—S. P. Lentz is to build a large greenhouse here.

FOND DU LAC, Wis.—A. L. Bush & Co., are erecting four greenhouses, 16 by 100 ft., on Oak ave.

MAYNARD, MASS.—A. Batley & Son are to build an additional greenhouse.

ASHLAND, MASS.—Ernst Warren is building a large addition to his greenhouse establishment.

WEBSTER CITY, IA.—James Follett is building an additional greenhouse, 30 by 60 ft., and will shortly erect another, which is to be larger.

MONONGAHELA, PA.—The J. Shelby Crall Co. has contracted with the Lord & Burnham Co. for the erection of a new semi-iron greenhouse 40 by 100 ft.

Weed Killers

The following are among some of the formulas in vogue for such preparations:

1.—Alum 1
Ferrous Sulphate 1
Water 10

In use dilute the solution with 5 times its volume of water, and apply during dry weather.

2.—Sodium Hydroxide 5
Sodium Carbonate 15
Crude Carbolic Acid 2½
Water 100

For use dilute the solution with 20 times its volume of water.

3.—Slaked Lime (recent) ..... 1 lb.
Sublimed Sulphur ..... 4 oz.
Water ..... 3 gal.

Boil for some time, replacing the water from time to time as it evaporates. For use mix with an equal volume of water.—*Merck's Report.*

Seasonable Plants

ASPARAGUS Sprengeri, 3-in. pots, $4.00 per 100.

GERANIUMS, assorted, 3½-in. pots, $6.00 per 100.

CABBAGE PLANTS, field grown, Jersey Wakefield, Winningstadt, Early Summer, Fottler, All Seasons, Succession, Volga, Savoy, Flat Dutch, Danish Ballhead, Autumn King, Mann, Rock Red, 20c. per 100, $1.50 per 1000.

EGG PLANTS, Black Beauty, strong, from pots, $3.00 per 100.

TOMATO PLANTS, from cold frame, $4.00 per 1000.

Cash with order.

S. G. BENJAMIN, Fishkill, N. Y.

Please mention the Exchange when writing.

OWN ROOT ROSE PLANTS

Pink Killarney, 3-in., $60.00 per 1000.
American Beauty, 3-in., $80.00 per 1000.
American Beauty, 3½-in., $10.00 per 100.
Bridesmaid, 3-in., $40.00 per 1000.

All fine stock.

Cash with order unless known.

L. B. CODDINGTON, Murray Hill, N. J.

Please mention the Exchange when writing.

Coleus, Vincas and Salvias

COLEUS, Golden Bedder, Sunset and Verschaffeltii, 2½-in. pots, $2.00 per 100.

VINCAS, 3½-in. pots, $8.00 per 100.

SALVIA, 2½-in. pots, $2.00 per 100.

JOHN COOMBS, 118 Benton St. HARTFORD, CONN.

Please mention the Exchange when writing.

Notes

CLEVELAND, O.—The Ohio Floral Co. has reduced its capital from $50,000 to $10,000.

GREENFORD, O.—M. C. Clay, florist, has taken his son, Carl, into his business as a partner.

SOUTHAMPTON, CONN.—Olson & Lunden have sold their Buckland st. greenhouse to Wm. Fischer.

NEW KENSINGTON, PA.—McCrey, Jenkinson & Co., florists, suffered a $1500 loss by fire on June 7.

WASHINGTON, D. C.—The Washington Florists' Company has decreased its capital stock from $100,000 to $75,000.

BRYANTVILLE, MASS.—During a severe storm on Tuesday, June 7, the greenhouses of the Halifax Garden Co. were damaged.

SHAWANO, WIS.—Ed. Lenger, an expert horticulturist, has purchased a greenhouse here and will start in the florist business.

SOUTH SUDBURY, MASS.—Howard C. Burr has sold his greenhouses to Fred N. Eaton who will remove them to his own establishment.

WELLINGTON, O.—Albert Richter, florist, of Spurgis, has been succeeded in his business there by J. W. Dunn, who was for many years foreman in the Chicago Greenhouses of the J. A. Budlong est. Mr. Richter has taken over the Yale property here, and will continue the business.

Grow Mushrooms

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

THE FLORISTS' EXCHANGE
2 to 8 DUANE ST., NEW YORK

The
CHRYSANTHEMUM

By A. Herrington

A complete and comprehensive work on the cultivation of the Chrysanthemum. Handsomely illustrated, 168 pages, 6 x 7 inches. Price only 50 cents, postpaid.

A. T. DE LA MARE PTG. & PUB. CO., LTD.
P. O. Box 1697 - NEW YORK

THE NEEDED TOUCH
To Decorations, Bouquets, Baskets, etc., is secured through the use of
PINE TREE RIBBONS AND CHIFFONS
Rich Lustres, Florists' Shades, many widths and colors, right prices.
SAMPLES FREE
The Pine Tree Silk Mills Company
Philadelphia, Pa.
806-808-810 ARCH STREET

Please mention the Exchange when writing.

New Crop Ferns Now Ready Only $1.00 per 1000
Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.

Telegraph office; New Salem, Mass.
L. D. Phone Connection

GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. GREEN MOSS, $1.25 per barrel. Use our LAUREL FESTOONING, for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. SMILAX, 50 lb. cases, $6.00. PINE, 7c. per lb.

Nice, large bunch of Laurel Branches, 35c. Laurel and Pine wreaths, $2.00 to $3.00 per doz. Boxwood, $15.00 per 100 lbs.

CROWL FERN COMPANY, - MILLINGTON, MASS.

Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists

CUT FLOWERS OF ALL KINDS
HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES
Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.
New Crop Dagger and Fancy Ferns, $2.00 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.
A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.
Telephone: 2617--2618 Main, Fort Hill 25290.

15 PROVINCE STREET & 9 CHAPMAN PLACE, BOSTON, MASS.

Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK
WHOLESALE
ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Repings made on order, all kinds and sizes.
Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.
Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.
All Decorating Material in Season.

Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK
We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work
Please mention the Exchange when writing.

Florists' Refrigerators
Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.
McCRAY REFRIGERATOR COMPANY
167 Lake Street KENDALLVILLE, IND.
Please mention the Exchange when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.
Please mention the Exchange when writing.

E. A. BEAVEN
EVERGREEN, ALA.
LOG MOSSES
Natural and perpetuated. Orders booked now for future delivery.
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GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire
IGOE BROTHERS
Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes
63-71 Metropolitan Ave., BROOKLYN, N. Y.
Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED
LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.
Please mention the Exchange when writing.

Retail Notes

GREENFIELD, MASS.—F. J. Yettes, florist, will occupy the store now being remodelled in the Sheldon Block.

MINNEAPOLIS, MINN.—Miss Whitted, the florist of 34 Fifth st. S., has opened a new store at Tenth st. and Nicollet ave., in the new Meyers Arcade, and will conduct same in connection with her original store. The new store has been tastefully decorated, the motif of the decorations being the Easter Lily. The bronze hanging electroliers bear lamps in Lily cups of exquisite tints and in the floor the conventionalized Lily is carried out in mosaic. All of the most uptodate conveniences have been installed, and the largest floral refrigerator in the Northwest is hers to boast of; the entire rear of the store being devoted to it. The earth brown of the Oak finishings of the shop harmonizes artistically with the idea of the woodland home for the flowers.

Philadelphia Retail Notes

M. J. Callahan of 3804 Market st. has opened a branch store at 3924 Market, near the 40th st. station of elevated car line.

Geo. Craig, 211 So. 11th st., is enjoying a good share of commencement work, and reports Memorial Day trade as being as good as over.

Robt. Crawford, Jr., 235 So. 11th st., is about finishing up his 33d year in his present location. His place is now one of the most attractive and convenient of the downtown stores, and is arranged so that the conservatory is on the roof of the packing and storage shed, with steps running from rear of store toward the back, and allowing of easy access to conservatory.

Robert A. Stewart, 212 So. 13th st., reports some good funeral work and, for a short time, has been busy on commencement decorations.

P. Joseph Schembs, 629 No. 17th, is having special sales with Roses at 35c. per dozen as a leader and finds this increases his business considerably. Funeral work here has been exceedingly good of late.

Geo. J. Hoene has been located at 28th and Poplar sts. for about two years and reports business as increasing all along. Mr. Hoene spent several years with some of our well-known florists and his teachings all help in keeping his own trade up to standard. Memorial Day business was very fair and large quantities of potted stock was disposed of on that day.

Henry Meyn, 2045 Germantown ave., has enjoyed a good season.

Chas. N. Niemann, 2757 Germantown ave., has recently installed a Hill icebox, which is finished in white enamel; this, with his large show window, which was built during the past Winter, make the store very attractive.

C. Eisele, 11th and Westmoreland sts., reports some good orders for potted stock, and better trade than the previous year, especially in the shipping line. Window box trade is much more brisk than formerly.

M. A. Garrett, 2636 Germantown ave., reports the present season as "Big," especially in plant stock, which went exceedingly well before and on Memorial Day.

Robert A. Gilmore, Haines and Chew sts., Germantown, has been here for the past eighteen years; he has some 7000 sq. ft. of glass devoted to bedding stock. He reports trade as very brisk in both wholesale and retail.

Samuel V. Smith, 3323 Goodman st., is a large breeder of Paradise goldfish, as well as a grower of potted stock. He reports a splendid lot of young fish this year and carries about all varieties obtainable in this country.

Chas. H. Campbell, 3601 Germantown ave., had to stop selling at wholesale and kept it for his own retail trade Memorial Day, owing to the comparatively small quantity of good blooming stock obtainable.

E. Reynolds of 19th and Girard ave. enjoyed a good trade Memorial Day, most of which was in cut flowers for hospital trade.

Chas. Schuch & Bro., 2456 No. 8th st., have been hard at work all during past Spring and report trade as being ahead of previous years. A good stunt here is corner pieces made of small wheels, and round pieces of wood placed at lower end of all bench supports, allowing the hose to draw around the corners easily.

Henry Engler, 4651 Lancaster ave., reports almost a complete clean up of stock. P. M. R.

Get OUR PRICES on Cut Flower Boxes
Three Grades—Lowest Prices—Quick Delivery
We pay the freight on orders for $15.00 or more.
Climax Manufacturing Co.
CASTORLAND, N. Y.
Please mention the Exchange when writing.

WE MANUFACTURE
ICE BOXES The Latest Improved
Also Florists' Novelties. Window Boxes, Plant Tubs, Pedestals, Grill and Lattice work, Ribbon cases and other furniture. The only house manufacturing Art Wood Novelties exclusively for the florists' trade. Estimates submitted.
Forster Mansfield Mfg. Co. 143 West 28th St. NEW YORK
'Phone 4254 Madison Square
Please mention the Exchange when writing.

We Issue to Members a Credit List With Quarterly Supplements
The list now contains between 7000 and 8000 names. Membership fee $10.00, including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.
NATIONAL FLORISTS' BOARD OF TRADE
56 Pine Street, NEW YORK
Please mention the Exchange when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.
Wholesale Commission Florists
Dealers in Fancy Ferns
38-40 Broadway, Detroit, Mich.
Please mention the Exchange when writing.

New Crop Ferns
FANCY and DAGGER
Now ready for shipment.
Price, $1.25 per 1000
CALDWELL THE WOODSMAN DECORATING CO.
EVERGREEN, ALABAMA
Please mention the Exchange when writing.

KRICK'S Florist Novelties
Manufacturer and Patentee of
The only genuine IMMORTELLE LETTER on the market
For sale by all Supply Houses.
CHAS. AUG. KRICK
1164-66 Greene Avenue, BROOKLYN, N. Y.
Please mention the Exchange when writing.

WIRED TOOTHPICKS
10,000, $1.75; 50,000, $7.50
Manufactured by
W. J. COWEE, Berlin, N. Y.
Samples free. For sale by dealers
Please mention the Exchange when writing.

Design Book
It is handsomely printed on enameled stock, and contains 80 pages, size 9x12 inches, with strong paper cover
Every florist who has to "make up" Desgins will receive valuable ideas from its contents, which include over Two Hundred Illustrations, embracing nearly every variety of order that will come to you.
This Design Book can be obtained only through a subscription for this paper, the leading florists' trade organ of America, issued every Saturday, at $1.00 per annum. The Florists' Exchange two years, and one copy of the Design Book, $2.50. Paid up subscribers will be mailed one copy for 75 cents.
Positively this Design Book can be obtained only through becoming a subscriber.

SPECIAL GRAND Chrysanthemum Offer

1000 OCTOBER FROST or GOLDEN GLOW, out of 2¼-inch pots, $17.50; 500 for $9.00.

WHITE VARIETIES.	R. C. 100	R. C. 1000	2½-in. pots. 100	2½-in. pots. 1000
October Frost (500 for $9.00)	$2.00	$15.00	$2.50	$17.50
White Seedling No. 1	5.00	40.00	6.00	50.00
White Seedling No. 2	8.00	75.00	9.00	80.00
Virginia Poehlmann	3.00	25.00	4.00	35.00
Alice Roosevelt	3.00	25.00	4.00	35.00
Alice Byron	2.00	15.00	2.50	20.00
Minnie Wanamaker	2.00	15.00	2.50	20.00
Nonin	2.00	15.00	2.50	20.00
White Bonnaffon	2.00	15.00	2.50	20.00
Yanoma	4.00	30.00	6.00	45.00
John Burton (late)	4.00	30.00	6.00	45.00
Chadwick	3.00	25.00	4.00	35.00
Novelties.				
Lynnwood Hall	6.00	40.00	6.00	50.00
Pres. Taft	10.00		12.00	
Pompon Baby Margaret	10.00		12.00	
YELLOW VARIETIES.				
Golden Glow (500 for $9.00)	2.00	15.00	2.50	17.50
Monrovia	2.00	15.00	2.50	20.00
Appleton	2.00	15.00	2.50	20.00
Maj. Bonnaffon	2.00	15.00	2.50	20.00
Golden Engle (new)	4.00	35.00	5.00	45.00
Golden Chadwick	3.00	27.00	4.00	35.00
Mrs. W. E. Kelley (new)	10.00		12.00	
Virginia (new)	10.00		12.00	
Baby (Pompon)	5.00		6.00	
PINK VARIETIES.				
Roslere	2.00	15.00	2.50	20.00
Minnie Bailey	2.00	15.00	2.50	20.00
Dr. Enguehard	2.00	15.00	2.50	20.00
Hankey	4.00	35.00	5.00	40.00
RED VARIETIES.				
Calliogfordii	3.00	25.00	4.00	35.00
Black Hawk	3.00	25.00	4.00	35.00

BEDDING PLANTS

3-inch stock of following: Salvias, Lobellas, Petunias, Ice Pink, Salleroi Geraniums, German Ivies, Thunbergias, and all standard cutting and seedling stock, $3.00 per 100, $26.00 per 1000.

PRINCESS OF WALES VIOLETS, Rooted Runners, $2.00 per 100.

I. M. RAYNER
GREENPORT, N. Y.

Please mention the Exchange when writing.

GERANIUMS

Rooted Cuttings.

Ricard, Poitevine and S. A. Nutt, at $10.00 per 1000; delivery made any time wanted, let me book your order, or send for sample and see the class of stock I send out.

HARDY PHLOX

Rooted cuttings free by mail at $1.25 per 100; Mixed Varieties, all of them good ones.

SMILAX and SPRENGERI

Good stock, let me send you a sample. Smilax, $12.50 per 1000. Sprengeri, $15.00 per 1000.

ALBERT M. HERR
LANCASTER, PA.

Please mention the Exchange when writing.

GERANIUMS

3000, 2-in. pots, S. A. Nutt, Buchner, Ricard, Viaud, Doyle and Grant, at $2.00 per 100, $18.00 per 1000; also 3-in. of the following, S. A. Nutt, Buchner, Doyle, Grant, and Ricard, at $4.00 per 100, $36.00 per 1000. Cash with order.

FRED. W. RITCHY
Cor. First and Ruby Sts., LANCASTER, PA.

Please mention the Exchange when writing.

Geraniums

Nice, stocky, 2-in. stock, of the following varieties: Nutt, Ricard, Grant and Doyle, $3.50 per 100, $30.00 per 1000.

F. SCHELL & CO., Florists LANCASTER, PA

Please mention the Exchange when writing.

GERANIUMS Rooted Cuttings, in the Florist's best set, at $10.00 per 1000. Ricard, Nutt, Poitevine, Buchner, Grant, Bertha de Preseilly, Richmond, Beauty, Castellane, Perkins, E. G. Hill, Decorator and Mrs. Lawrence.

B. E. WADSWORTH, Box 224, Danville, Ill.

Please mention the Exchange when writing.

CHRYSANTHEMUMS ROOTED CUTTINGS READY NOW

WHITE	Per 100
OCTOBER FROST	$2.00
ESTELLE	2.00
POLLY ROSE	2.00
ROBINSON	2.00
WHITE CHADWICK	3.00
MERRY XMAS	3.00
YANOMA	2.00
MRS. BUCKBEE	2.50

	Per 100
WHITE BONNAFFON	$2.00
SNOW QUEEN	2.50
WHITE IVORY	2.00
C. TOUSET	2.00
PINK	
PINK IVORY	2.00
ROSIERE	2.00
DR. ENGUEHARD	2.00

YELLOW	Per 100
MONROVIA	$2.00
ROBT. HALLIDAY	2.50
GOLDEN BEAUTY	2.50
GOLDEN GLOW	3.00
YELLOW BONNAFFON	2.00
RED	
INTENSITY	2.00
BLACK HAWK	2.00

WIETOR BROTHERS, 51 Wabash Avenue, Chicago, Ill.

Please mention the Exchange when writing.

50,000 CHRYSANTHEMUMS

From 2¼-inch pots, also from soil. Propagated from strong, healthy, bench-grown stock. Our plants from pots are never stunted as they are shifted from pot to flats and placed in frames outside, insuring good working roots. We guarantee them.

WHITE	100	1000
White Cloud	$2.50	$25.00
White Bonnaffon	2.25	20.00
Polly Rose	2.25	20.00
Virginia Poehlmann	3.00	27.00
Robinson	2.25	20.00
T. Eaton	2.25	20.00
PINK		
Glory of the Pacific	2.25	20.00
Mayor Weaver	3.00	27.00
Pacific Supreme	2.50	25.00
Chadwick	2.50	25.00
Enguehard	2.25	20.00
C. Touset	2.25	20.00
H. Frick	2.50	25.00
YELLOW		
Yellow Bonnaffon	2.25	20.00
R. Halliday	2.25	20.00
Arline	2.25	20.00
Appleton	2.25	20.00
Nagoya	2.25	20.00
Monrovia	2.25	20.00
Golden Glow	2.50	25.00

From soil, $1.50 to $2.50 per 100; $15.00 to $20.00 per 1000.
From sand, $10.00 to $15.00 per 1000.

25,000 BOUVARDIAS, 2¼-in. pots, white, pink and red, $2.00 per 100; $18.00 per 1000.

TALL GROWING STEVIA, from sand, $1.00 per 100; $9.00 per 1000.

ASPARAGUS PLUMOSUS, from 2½-in. pots, strong, $10.00 per 100.

MOREL BROTHERS, 622 E. Market St., Scranton, Pa

Please mention the Exchange when writing.

FLORISTS' 'MUMS

EARLY.	From pots 100	From pots 1000
Clementine Touset	$3.00	$25.00
Gloria	4.00	30.00
Ivory	3.00	25.00
October Frost	3.00	25.00
Pacific Supreme	3.00	25.00
MID-SEASON.		
A. J. Balfour	3.00	25.00
Col. D. Appleton	3.00	25.00
Crocus	3.00	25.00
Mrs. W. E. Kelley	4.00	30.00
Major Bonnaffon	3.00	25.00
Pres. Roosevelt	4.00	35.00
Pres. Taft	10.00	
LATE.		
Intensity	4.00	30.00
Nagoya	4.00	30.00
Yanoma	3.00	25.00

Special fine lot of Anemones, Pompons and Singles, from pots, list of varieties on application; or our selection, $3.00 per 100, $25.00 per 1000.

Elmer D. Smith & Co.
Adrian, Mich.

Please mention the Exchange when writing.

Chrysanthemums

Polly Rose, Dr. Enguehard, 2¼-in., $2.50 per 100, $20.00 per 1000.
AOERATUM, Stella Gurney, 2¼-in., $2.00 per 100.
SMILAX SEEDLINGS, 50c. per 100, $4.00 per 1000.

Cash with order.

C. A. PETERSON, Madison, N. J.

Please mention the Exchange when writing.

CHRYSANTHEMUM STOCK

2¼-in. pots.

Our stock plants have been grown in solid benches in one of our best and lightest houses since December 1 last. We have largely increased our stock and can fill all orders promptly. We will quote you special prices on 1000 and 2500 lots.

PINK	Per 100
Glory of Pacific	$2.50
A. J. Balfour	2.50
Maud Dean	2.50
Pink Ivory	2.50
Pacific Supreme	3.00
YELLOW	
Col. Appleton	2.50
Monrovia	3.00
Major Bonnaffon	2.50
October Sunshine	2.50
Golden Glow	2.50

WHITE	Per 100
Alice Byron	$2.50
Jeanne Nonin	2.50
Ivory	2.25
Mrs. H. Robinson	2.50
Beatrice May	3.00
Polly Rose	2.50
Timothy Eaton	2.50
White Dean	3.00
Yanoma	3.00
CRIMSON	
Black Hawk	2.50
John Shrimpton	2.50

NEWER VARIETIES, $5.00 per 100.

Lynnwood Hall, Mrs. Kahn, Golden Glow, Money Maker, Yellow Miller, President Taft

SINGLES AND POMPONS

Rob Roy, Anna Spangle, Irene Cragg, Quinola, $2.00 per 100.

GRAFTED ROSES

100 My Maryland, 3½ inch, $15.00.

125 White Killarney, 2½ inch, at $12.00 per 100.

EDWARD J. TAYLOR, Greens Farms, Conn.

Please mention the Exchange when writing.

DO YOU GROW 'MUMS?

WHITE HELEN FRICK

(SPORT)

The best and only Late White, fine stock, from 2½ inch pots, $8.00 per 100, $75.00 per 1000.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Rooted Cuttings

White: Baby Margaret, Touset, A. Byron, Timothy Eaton, J. Nonin, Ivory, Desjouis.
Pink: Amorita (very early), Glory of the Pacific, M. Dean, Mary Mann, Rosette, P. Ivory.
Yellow: Golden Glow (very early), M. Bonnaffon, Y. Eaton, Cremo, Robt. Halliday, Golden Eagle, Yellow Jones, Golden Baby.

Send for Price List.

WILLIAM SWAYNE, P. O. Box 215, KENNETT SQ., PA.

Please mention the Exchange when writing.

50,000 CHRYSANTHEMUMS. Clean and Well-Rooted, From Sand and Soil. October Frost, Opal, Glory of Pacific, Monrovia, Touset, Pink Ivory, Ivory, White Bonnaffon, Timothy Eaton, Clay Frick, White Duckham, J. Nonin, Dr. Enguehard, Yellow Jones, Maj. Bonnaffon, Minnie Bailey, Maud Dean, Black Hawk, Estella, Whildren, Robt. Halliday. Price, $2.00 per 100; 500 or 1000 at $1.50 per 100.

BENJAMIN CONNELL, Merchantville, N. J.

Please mention the Exchange when writing.

Chrysanthemums

All Sold Out Except:

Polly Rose, Pacific, Robinson, Cheltoni, Ivory, Enguehard and Duckham, healthy stock.

$1.25 per 100, $10.00 per 1000.
Cash with order.

WILLIAM BECKER
Box 48 FARMINGDALE (L. I.), N. Y

Please mention the Exchange when writing.

Chrysanthemums

All the Standard Varieties
POMPONS and SINGLES
$2.00 per 100, $15.00 per 1000
Stock guaranteed true to name

GEO. B. HART
24 Stone St., ROCHESTER, N. Y.

Please mention the Exchange when writing.

Chrysanthemums

Extra fine young stock, out of 2¼-in. pots, $20.00 per 1000, of Bonnaffon, J. Nonin, Golden Glow, Ivory and Zimmer's Yellow, in great quantity.

POMPONS

Klondike, Diana (Queen of the White), Zenobia, Baby Marguerite and Yellow Baby, $20.00 per 1000. Also a good variety of best sorts for cut flowers.

Cash with order please.

CHARLES ZIMMER
West Collingswood, N. J.

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Owing to non-renewal of lease, following stock grown for own use is for sale: 3000 Pacific, 4000 Yellow Bonnaffon, 2000 White Bonnaffon, 1000 Pink Maud Dean, 1000 Enguehard, 1000 Monrovia, at $20.00 per 1000, out of 2-in. pots. Cash with order.

BAY VIEW GREENHOUSES
2300 Flatbush Avenue, BROOKLYN, N. Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

The treasurer being absent, his report was read by the secretary, and showed the Society was in a satisfactory condition financially.

The following report of the nomenclature committee was then presented by President Farr:

Report of the Nomenclature Committee

As Professor Craig, chairman of the nomenclature committee, cannot be present at this meeting, I have been requested to make a brief report of the work accomplished. Part of this report I have already covered. The two bulletins now published describe three hundred and forty varieties. In the second bulletin, also, a number of corrections have been made to the first list.

It was realized last year that the season of study was altogether too short for any one locality to carry on the work without extending it over a number of years, and Mr. Jos. Dauphin of the Cottage Gardens Co., and myself, were appointed a special committee to assist Professor Batchelor, and the season was greatly prolonged by beginning the work at Wyomissing, following it up at the Cottage Gardens Co., where the meeting was held, and finally at Ithaca. The immediate results of this course are shown in the large number of varieties added to our list in the new bulletin.

This year, the same plan has been followed. In addition to the work this season at the nurseries mentioned in my address, the committee has since visited the collection of Mr. Shaylor here in Boston, and it is the intention, if possible, to visit other collections in the vicinity of Boston before leaving for Ithaca, where the work will be continued until the close of the season there.

It is expected that by the close of the season there practically everything will be done in the old plot that it will be possible to do. There are still hundreds of names existing in the plot, which it will never be possible to trace to any distinct origin, but the vast number of names originally existing there has been reduced to a very large degree by the great number of synonyms found, all of which have been noted. As examples of this I might mention Edulis superba, Dr. Bretonneau, Queen Victoria, and others which have been duplicated under twenty-five or thirty different names each, to say nothing of the host of red varieties, most of them of inferior quality, which are to be found. It would seem as if everyone who has a red of any kind calls it Delachei or Francis Ortegat, or Louis Van Houtte, so that, strange as it may seem, these, our most common varieties, have been the hardest to determine as to which is the true variety. And of the many Delacheis it is a question if any of us are positively sure just which one is the true variety, unless it is the variety sent us by Dessert, which, as is usually the case, when we are able to fix upon the true variety, proves to be clearly one of its imitators.

There is a common pink Peony which among its many other names passes for Edouard Andre, but the true Edouard Andre is different in every way, being an immense very double flower, very late.

These are merely examples of some of the difficulties that the committee has had to contend with. Of the varieties left in the original plot, it is doubtful if there will be many remaining which will be worth giving any further consideration. Doubtless the larger part of these have been unnamed seedlings sold in mixtures, to which names have been given in order to distinguish them where they have been grown in nurseries.

It is not expected that no mistakes have been made, but the committee has had unusual facilities in making a wide range of comparison in every case, and has every reason to believe that in most instances it has reached conclusions, and that the errors existing will be detected and corrected before the final publication is complete. The decision of the committee may not in every way agree with individual opinion, but it will at least establish a basis upon which the work for the future may be done, and if it is adopted as a standard eventually it fulfils the object sought.

I wish to reiterate the splendid services Mr. Batchelor has rendered the Society in carrying out this work. I also wish to make mention of the fortunate selection of Mr. Jos. Dauphin, who by his remarkable memory and ability to retain his impression of distinctions in color and form of flowers, and the long years of study he has given to this subject, has been able to render us invaluable services.

The Peony plot at Cornell now comprises a number of acres, a large addition having been made for the new planting last Fall, which will eventually be the permanent planting belonging to the University, in accordance with the original agreement. The second planting donated for the purpose of selecting the "best hundred" varieties will be in prime condition and will doubtless be of great assistance.

A motion was made and carried that the Society pay one-half of the expense of the last bulletin issued by Cornell University, which was thought to be the best piece of work ever done in the direction of attaining the objects of the Society.

Mr. Fewkes moved that a committee be appointed to consider the best way in which seedlings of value could be looked after all over the country. The motion was carried and the chair appointed as such committee G. H. Peterson, R. T. Brown, and A. H. Fewkes.

Considerable discussion ensued in regard to the place of next meeting, and it was finally agreed that the meeting should be held at Philadelphia. A committee was appointed by the chair to make the necessary arrangements, for the meeting there, as follows: Andorra Nurseries and Henry A. Dreer of Philadelphia, and J. J. Syer, Concordville, Pa.

The next business was the election of officers, and the present officers were all re-elected, viz.: President, B. H. Farr, Wyomissing, Reading, Pa.; vice-president, C. J. Maloy, Rochester, N. Y.; secretary, A. H. Fewkes, Newton Highlands, Mass.; treasurer, J. Howes Humphreys, Chestnut Hill, Philadelphia.

Five new members were elected. It was reported to the meeting that one of the members, George Hollis of South Weymouth, Mass., was very sick.

A few men only are doing most creditable work on behalf of this Society in straightening out the names of the varieties. Outside of this, there seems to be very little life or enthusiasm in the Society. To keep an organization of this character alive requires not only active, energetic officers, but a goodly number of tradesmen and amateurs from every section throughout the country who will be active in forwarding its interests, for the Peony is a flower for the masses, one of the oldest of garden plants, needing no protection or special care, and there are very few large, or even small gardens, but cultivate them for their beauty in the early Summer. We sincere trust that, along with the good work of nomenclature, it will be possible within the near future to largely increase the membership.

The judges were those of the Mass. Hort. Soc., T. D. Hatfield, chairman, Peter Fisher, Thomas Roland, William Thatcher, assisted by Prof. A. P. Saunders, Hamilton College, Clinton, N. Y. ROBERT CAMERON.

The Exhibition

The Peony exhibition of the Massachusetts Horticultural Society, and the annual exhibition of the American Peony Society were held jointly in Horticultural Hall. The dates for the show had been changed from June 9 and 10 to June 14 and 15, owing to the lateness of the blooming season in New England this year. The deferred dates did not prove satisfactory to growers from distant States, therefore there was a poor showing made from growers at a distance. A week later, with good weather, would have suited every one in the vicinity of Boston much better, and there would have been a much better exhibition. The heavy rains of Saturday and Sunday played havoc with the flowers and those shown, with the exception of a few, were not up to the standard. But, on the whole, the showing made was quite good, considering the unfavorable weather.

The upper hall or lecture room was devoted almost entirely to the exhibits of the American Peony Society, and they made quite a good display. The most imposing exhibit was that of R. & J. Farquhar & Co., which was entered for the best display of Peonies arranged for decorative effect. James Farquhar's good taste was shown in this exhibit, as usual, and the result was very fine. It was the only exhibit in its class and was worthily awarded first prize.

At the farther end of the room, E. J. Shaylor of Wellesley Hills, Mass., made a splendid exhibit, filling one large table right across the room and showing some of his very finest varieties. This exhibit was of great interest, not only for its showiness but for educational purposes, each variety being legibly labeled, correctly. The Mass. Hort. Soc. awarded it a silver medal.

Walter Hunnewell of Wellesley (T. D. Hatfield, gdr.) showed in the alcoves of this room some remarkably fine Rhododendrons and was also awarded a silver medal.

The large, or main hall was very pleasingly arranged in garden fashion. Along the middle of the hall were very pleasingly arranged three large oval beds of Peonies from R. & J. Farquhar & Co. the flowers set in vases on the floor and the beds margined with green grass. The Peonies looked as natural as if they were grown outdoors. The front bed was made up of white; the second bed of pink; and the third bed of dark varieties. It was admitted by all that this was the most pleasing and best way to exhibit Peonies.

The exhibits for the Mass. Hort. Soc. prizes were mostly all in this room and were arranged on tables on the left hand side. In the first alcove, on the right, R. & J. Farquhar & Co. put up a grand display of hardy herbaceous plants, arranged artistically, and the whole display was margined by a large border of Foxgloves which were dug up and planted just as if they were in a border. They were much admired in this way. The exhibit won the silver medal of the Mass. Hort. Soc.

In the second alcove, William Whitman (Martin Sullivan, gdr.) exhibited very fine Delphiniums, Foxgloves and Irises, making a handsome display; and in front of this Mrs. Frederick Ayer (George Page, gdr.) exhibited a collection of well-grown young plants of Fuchsias in quite a number of varieties, which was awarded a silver medal.

At the rear of the hall the Eastern Nurseries of Jamaica Plain, had a lot of well-grown herbaceous plants which were tastefully arranged. The Blue Hill Nurseries of So. Braintree, Mass., made a capital display of double Pyrethrums which was much admired and ought to be of special interest to the trade, as there were many fine varieties that would make grand, good things for cutting. Mrs. E. M. Gill of Medford, who will be 80 years old on the 28th of this month, made a very creditable exhibit of miscellaneous seasonable flowers, and she arranged them, as usual, very pleasingly. George Page, gdr. to Mrs. Frederick Ayer, exhibited some wonderfully well-grown plants of Rex Begonias; there were six plants and each plant measured four feet in diameter.

T. C. Thurlow's Sons Co. of W. Newbury, Mass., made a display of single Peonies, which was quite interesting. The Old Town Nurseries of So. Natick, Mass., showed a fine vase of Iris Sibirica Snow Queen, which is a capital thing.

Awards of the American Peony Society

The awards of prizes offered by the American Peony Society in the commercial classes, were as follows:

Largest and best collection of named varieties, one flower of each—1, T. C. Thurlow's Sons Co.

Best fifty blooms, one variety, named, white—1, B. H. Farr with a good vase of Couronne d'Or; 2, Cottage Gardens for a vase of the same variety.

Best fifty blooms, dark pink or rose—1, George H. Peterson with Louise Renault; 2, Cottage Gardens with Muyssart.

Best fifty blooms, one variety, flesh or salmon pink—1, Cottage Gardens with Albert Crousse; 2, G. H. Peterson with Mme. de Galhau.

Best fifty blooms, one variety, named, crimson—1, S. G. Harris, Tarrytown, N. Y., with Prince Talmdike; 2, Cottage Gardens with Marechal Vaillant.

Awards by the Mass. Hort. Society

The best Peonies in the exhibition came from George H. Peterson of Fair Lawn, N. J. Some of his large vases were exquisite.

Best specimen bloom came from G. H. Peterson. It was a beauty and the color was a pleasing pink shade. The name of the variety is Mme. de Galhau.

Vase of twenty-five blooms, white or blush—1, S. G. Harris with Marie Lemoine; 2, Mrs. E. M. Gill with Festiva maxima; 3, B. H. Farr.

Vase of twenty-five blooms, double pink or rose—1, G. H. Peterson with Mme. de Galhau; Peterson was also second with Mathilde de Resenek; 3, William H. Whitman with Magnifica.

Vase of twenty-five blooms, double red or crimson—1, G. H. Peterson with Rubra superba; 2, G. H. Peterson with Constant Devered; 3, T. C. Thurlow's Sons Co. with Compte de Diesbach.

Vase of twenty-five blooms, double, any other color—1, T. C. Thurlow's Sons Co. with Mme. Costi. This was the most beautiful vase in the exhibition. 2, W. Whitman.

Collection of thirty or more varieties, double, one flower of each—1, Mrs. James McKissock; 2, T. C. Thurlow's Sons Co.

Collection of twelve named varieties, double, three flowers of each—1, G. H. Peterson; 2, Wm. Whitman; 3, Mrs. J. L. Gardner.

Vase of blooms on long stems, arranged for effect in the Society's large china vases—2, Mrs. J. L. Gardner.

Collection of six named double varieties, white, one flower of each—3, T. C. Thurlow's Sons Co. Rose pink, 2, T. C. Thurlow's Sons Co.; red or crimson, 2, T. C. Thurlow's Sons Co.

Best display of Peonies, arranged for decorative effect, to occupy a space not exceeding 100 sq. ft.—1, R. & J. Farquhar & Co.

Silver Medals—R. & J. Farquhar & Co., display of Peonies and Foxgloves; E. J. Shaylor, a display of Peonies. ROBERT CAMERON.

American Rose Society and Midsummer Meeting

The time fixed by the by-laws, for the annual change of officers of the American Rose Society is July 1, but, in practice, it has been found advisable to make the formal change during the annual convention of the Society of American Florists; this year it will be held in Rochester at which time a regular meeting of the American Rose Society will be held.

We, at that time, desire to start a list of special prizes for the coming great National Show at Boston.

Every special prize has been distributed. The man who carried off the largest number of prizes at the New York Show, held in the American Museum of Natural History, was H. C. Steinhoff of West Hoboken, N. J.; among others he took Mayor Breitmeyer's prize.

The Dorrance prize has been won only three times in ten years; first by Robert Simpson of Clifton, N. J.; second by Poehlmann Bros. Co. of Morton Grove, Ill., and third by Benjamin Dorrance of Dorranceton, Pa.

Among the school children who visited the last exhibition, after viewing the splendid showing of blooms in the vases, a group of lads came to the writer and asked this question, "Don't Roses have roots?" "Why, yes," was the reply. "Well, none of these have any!" This was from a child born in New York City who asked the solution of what to his mind was a puzzle.

A few days ago, two small girls had a bunch of Sweet Briars and, being asked where they got them, gave answer, "Over in your lot; don't they smell sweet! Why don't tame Roses smell as nice?" This is simply a bit of child life history, along the line of a—

"Rose for every Home,
And a Bush for every Garden."

BENJAMIN HAMMOND, Sec'y.

A PUBLIC HEARING

Will be held before the

Board of Aldermen's Committee on Streets, Highways and Sewers,

in the Aldermanic Chamber, City Hall, New York City, on

Monday, June 20, 1910,

AT 2 P. M.

ON THE RESOLUTION TO ESTABLISH A

PLANT and FLOWER MARKET

Under the Queensboro Bridge at 59th Street and First Avenue, New York City.

It is the duty of all Florists and Other Persons connected with the Trade, who favor the establishment of said market, to attend this hearing and bring as many others with them as possible. This is a matter of great importance to all Florists, and they are all urged to attend in person, if possible; and if not, then to write to the above named Committee and to their Alderman endorsing the resolution.

WILLIAM H. SIEBRECHT, JR.

Secretary of the Joint Committees of the New York Florists' Club, New York and New Jersey Association of Plant Growers, Cut Flower Exchange, Growers' Cut Flower Company, and the New York and New Jersey Market Florists' Association.

Please mention the Exchange when writing.

Auburn, N. Y.

All the florists here are very satisfied with their Spring trade. The long continued wet weather has seriously interfered with their work outside; the nights, too, are very cold, in fact a heavy frost on June 1 hurt tender stock in exposed places. Some Carnations are yet to be planted, and those who have them out are much worried as to the future, fearing stem rot later on.

Memorial Day trade was remarkably good, every one agreeing it was the best ever had, despite the fact that cut flowers were scarce, and consequently high.

I regret to say Joh Elletson is confined to his house by illness, and hope he will soon be out again.

W. J. Edmonds has made some extensive improvements on his grounds in front of the greenhouses which will be a splendid advertisement for him, as a great many cars pass daily. As soon as the bedding season is over he intends pulling down some of the houses and remodelling them. His bedding stock was all good, Geraniums, Petunias and Centaurias especially so.

Mrs. Morgan's place has wonderfully improved since my last visit. Her son Howard is a hard working, enterprising young man, and is bound to succeed. He is making great improvements, both inside and outside the houses. The stock was all looking good, and neatly arranged. Sweet Peas have done remarkably well. Some old plants of Perle Roses were covered with wonderfully fine flowers, which have been a great help in design work.

Geo. Clark's men are busy tearing down two old houses, 150 ft. long, which will be replaced by one house built on modern lines. Next year he intends to do the same with other houses. Tomatoes are a specialty with him and he grows them by the hundreds of thousands. Smilax and Asparagus are largely grown and were looking good.

Herbert Hills was just going in to dinner when I called, and had only time to tell me that trade was good, especially funeral work. I noticed a good block of Boston Ferns in his houses that will make nice stock for Fall sales.

Friend Patrick as usual is a very busy man, and regrets the bedding out season has been so protracted, as he is very anxious to get his Chrysanthemums out, of which he plants 10,000, all of which are looking good, and will be glad of more root room. A very large business in window boxes is done here, and I noticed some remarkably well filled ones, ready to go out. There has been a marked increase in the number handled the past two years. His Roses are looking good and he is cutting a grand lot. A house of Sweet Peas is a sight; so far they have cut nearly 20,000 blooms.

I put in some hard missionary work for the Convention at Rochester, and there will be a large delegation from Auburn. I believe every florist will take his wife and family along.

Dobbs & Son have a very compact up-to-date place. A new house, 150 ft. long by 50 ft. wide, King construction, was completed last year, and it certainly is a beauty, with all the latest improvements and with walls of concrete; in front is a very fine office built with concrete blocks.

In the office I saw an innovation, the like of which I cannot recall seeing before, and that is a splendid pool table, which the foreman told me the help were at liberty to use after hours. If more firms would follow this plan I honestly believe we should not hear of so much intemperance among the help. Were I to let my pen run I could write a chapter on this very serious question, which affects both employer and employees.

Messrs. Dobbs make a specialty of Carnations. Their stock is in fine shape and they are cutting some very good blooms. All the bedding stock is in good shape. Hothouse Grapes are quite a feature, a lean-to house, 100 ft. long, being devoted to their cultivation. It will not be many years before this industry will become quite a feature.

H. Y.

Albany, N. Y.

Morris Cohen of Wertheimer Bros., New York, was in town on his wedding tour, accompanied, of course, by his bride, who is a charming lady. The Rosary Flower Shop was very busy last week. It had six large wedding decorations and orders for bouquets. One wedding was very large, using up large amounts of white Peonies, Lilies, white Roses, etc. Eyres had the decoration for the wedding of Miss Mabel Brady, daughter of Mr. and Mrs. Anthony M. Brady, at the Cathedral of the Immaculate Conception, which was about the largest event held in Albany. The church was decorated with a profusion of Easter Lilies on pews and white Killarney Roses, white Peonies, Laurel and Palms on altar. The house was elaborately decorated with Cattleyas, Lilies, Adiantum Farleyense on mantels, and Peonies, Richmond Roses, Palms, Ferns, etc., elsewhere. A wedding breakfast followed, the table being decorated with Cattleyas and Adiantum Farleyense. W. C. K.

WE beg to announce that on and after July 1st, 1910, the premises on the first floor of the Coogan Building will be under the management of A. Moltz & Company, who will sell, at wholesale only, all Flowers in Season in addition to Roses.

A. MOLTZ & COMPANY,

Wholesale Florists

A. MOLTZ — MAURICE L. GLASS

Telephone 2921 Madison Square

Open from 5 a. m. to 6 p. m.

Coogan Building
55-57 West 26th Street
NEW YORK CITY

Please mention the Exchange when writing.

New Orleans

Jules Fonta, who recently retired from the superintendency of Audubon Park, will leave shortly, accompanied by Mrs. Fonta, for a three months' tour of Colorado and California and points of interest on the Pacific Coast. Although this is not the first visit of Mr. Fonta to the Golden State he is looking forward to this one with a great deal of pleasure as he will have the leisure to take in many sights not heretofore seen.

Mrs. Gruaz has purchased the Francois Gruaz establishment, corner of Carondelet and Washington sts., and will make some improvements and conduct an up-to-date floral establishment there.

Chas. Eble has lately installed the Wittbold system of watering at his garden. He recently imported several cases of Cattleyas to supply flowers for his Baronne st. store.

After a protracted drought of ten weeks when, in spite of all the watering, vegetation was almost at a standstill, we are getting copious showers two or three times a week and the gardens put on a more cheerful look. CRESCENT CITY.

A. L. YOUNG & CO., 54 West 28th St., NEW YORK
Telephone, 3559 Madison Square
WHOLESALE FLORISTS ☞ Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial
Please mention the Exchange when writing.

NEW YORK, June 15.—The "good old Summertime" is here and Summer conditions, qualities and prices exist in the cut flower market. One thing, however, should not be ignored, namely, that present conditions are not abnormal but are fully as good as they were in the corresponding season of other years.

There is a plentiful supply of American Beauty Roses, but only a moderate demand. The quality is fairly good, and specials bring 20c. each downward.

Killarney and My Maryland are plentiful, more so than necessary to supply every demand, and though they are the favorites now the price is down, no more than 5c. being realized for best grades, many sales on a much lower basis, and moving slowly at that. There is only a fair supply of Richmond but outside Jacqueminot takes its place for many purposes, with sales slow at 8c. each for the very choicest blooms, in small transactions; but really very few flowers change hands at a price above the 5c. mark for best grades. Bride and Bridesmaid are mostly of poor quality and the former suffers in comparison with white Killarney and Kaiserin, and the latter with pink Killarney and My Maryland; both, therefore, move slowly, and no more than 5c. each is obtained for the best grades, and from that down.

The supply of Carnations is only normal, but the quality is for the most part rather indifferent, and the demand slack. About 2c. is the highest price obtained for the best grade.

The present supply of Orchids is quite sufficient to satisfy every demand. These flowers are not moving very fast, and there is a tendency to "bear" the price. Cattleyas such as Trianæ, gigas, Mossiæ, and Mendelli, top grade, are selling for 50c. each and under. Few Gardenias are arriving, but there is almost no demand for them, consequently the price has fallen to $1 per dozen and under for the best grade.

The supply of Callas is not large, but there is enough, and 75c. per dozen is the highest price realized for the best. There is a very abundant supply of Lilies and a very slow sale; 5c. and under is the top notch price for the best grade, with most sales on even a lower basis. The supply of Lily of the Valley is very plentiful and it is no longer moving well; $3 per 100 is the highest price obtained for fancy stock, with most sales around the $2 per 100 mark.

Sweet Peas are coming in very plentifully indeed, and the quality is good, but the demand does not use up the supply, and the best grade is selling at 75c. per doz. bunches and under.

This week will finish the Peonies. There are still moderate arrivals of blooms of only fair quality, for which there is a slow demand at 5c. each for the very best, with most sales around the 3c. figure. Gladioli, for best grade brings about 75c. per doz., and from that down to 2c. each. The demand for greens is no longer brisk, and the supply is plentiful. Miscellaneous stock, such as Delphiniums, Ten-Week Stocks, Centaureas, etc., moves fairly well at low prices.

PHILADELPHIA, June 13.—Arrivals now are mostly of staples, very little, if anything, new appearing, and most all of the Spring flowers dropping out of sight.

There is a plentiful supply of good American Beauty Roses now coming in, with a fair demand, especially for shipment. Some few choice specials bring 25c. each, but 20c. and under is the ruling price. Killarney, and My Maryland are arriving in sufficient number to meet all demands; the quality holds up well, and sales are satisfactory, especially of the better grades. The best grades are bringing, in small quantities, as high as 10c. for the choicest blooms, but most sales are around the 6c. mark. The supply of Richmond is not so large, and the demand is fair, the prices realized being about the same as for Killarney. The supply of Kaiserin is a little shy; the quality is good, and some choice blooms realize 10c. each, but most sales are at about the 6c. figure. Some Bride and Bridesmaid of good quality are arriving, but for the most part the quality is medium to poor, and other varieties take precedence. Such specials of these as are received sell for 10c., but the supply is limited, and most sales of the best grades obtainable are made at 6c. and under.

There is a plentiful supply of Carnations, and for the season some blooms of very good quality are arriving, but the demand is slack, and they are moving slowly at 3c. each for top grade, with 2c. the ruling price for good blooms.

There is an abundant supply of Gardenias, and a small demand, with falling prices; the best grade changes hands at about $1.50 per dozen, with the bulk of sales at much lower figures. The supply of Orchids is not so great, and arrivals move better. Cattleyas are selling at 60c. each for some of the choicest varieties, but the ruling figure is 50c. and under.

Lily of the Valley is moving well. The supply is somewhat short, and some fancy blooms reach the $5 per 100 mark. There are few Callas at present arriving, but there is no special demand for them. Lilies are coming in in only moderate supply, but sufficient to meet the demand. The best grade, both of Callas and Lilies, sell at $1.50 per dozen.

Peonies are no longer arriving, but there is still in cold storage a good supply of choice blooms in fine condition.

Sweet Peas are damaged somewhat by the continued rains, but there is a good demand, and they are cleaning up well at $1 per 100 for the top grade, though most sales are made at around 75c.

BOSTON, June 15.—The market has been exceedingly dull this week; most of the wholesalers and retailers say the bad weather is the cause, and all are hoping for an improvement this week. One thing we are certain of—that it is not the fault of the goods that are sent to the market, all kinds being in the very best condition. A slight improvement in the way of sales was noticed on Saturday, probably brought about by large quantities of flowers being bought for the Firemen's Memorial on Sunday. The boys in the street are making great raids on flowers at this time and are a great help to keep stock from accumulating.

Roses of all kinds are of good quality and the supply is somewhat lessened with the planting of new stock in the houses. The Killarneys are still good sellers. Carnot is of excellent quality and realizes fairly good prices. Bride and Bridesmaid are selling poorly at low prices.

Carnations are quite plentiful and of good quality, owing to the cool moist weather. Good flowers are selling well, but it is hard to dispose of the poorer grades.

Peonies are quite plentiful now and prices are lower. The quality is not as good as we have seen it often. Sweet Peas are selling well and meet quite a good demand. Gladioli of the large types are more plentiful. Lilies are in good supply and in good demand. Lily of the Valley is in good demand, much of it being used for bridal bouquets. Orchids seem quite plentiful and move fairly well. Antirrhinums are poor and like Stocks and Candytuft, slow sellers.

There is quite a lot of miscellaneous material, such as Iris, Pyrethrums, Feverfew and the like. There is a better supply of Asparagus now and prices hold well. R. C.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager Consignments Solicited
41 West 28th Street, Telephone 6237 Madison Square NEW YORK
Please mention the Exchange when writing.

For JUNE WEDDINGS
Valley, Sweet Peas, Beauties, Richmonds, Brides, Maids, etc.
Fine Peonies and all outdoor stock.
There is no DULL SEASON with us; we want Summer stock of all kinds.
Henshaw & Fenrich
WHOLESALE FLORISTS
51 WEST 28th STREET
Phones 325-5582-5583 Madison Square NEW YORK
Please mention the Exchange when writing.

CHICAGO, June 14.—Since last writing the market has materially changed, and the settled warm weather is responsible for present conditions. The week opened with very little demand for flowers, and shipping orders not nearly so numerous. While prices have not changed, they only hold good for shipping orders, as ordinary stock is disposed of at almost any price. This is the first time this season that the supply of anything has approached the glut point.

Long and medium American Beauty Roses are still scarce, and are selling up to $3 per dozen. Other Roses are coming in considerably softer and in quantity greater than there is any use for. Carnations have become almost a drug on the market, and many find their way to the garbage barrels.

Peonies, perhaps, are the most sought for flowers at present, and are still bringing $1 per dozen for fancy stock, of which there is but little, although the past day or two has seen some better stock than heretofore this season.

Few Lilies or Callas are seen, and such as are available are hardly in demand.

There is only a mild assortment of stock in the small flower line. Cornflowers come in fine shape. Daisies are beginning to dwindle in quantity and are of poor quality. Orchids are in fair demand, as nearly every wedding is using them in some form. The new Ferns are in fine shape and are being used extensively.

INDIANAPOLIS, June 12.—A profitable outlet for the vast amount of flowers was the question which confronted the growers throughout the week. Perhaps at no other time in the year is there such an accumulation of varieties. Counter trade was enlivened on several days, only to again fall behind last year's record on others. June weddings are numerous enough, but those which run into the hundreds of dollars for decorations are conspicuous by their absence. Funeral work is most acceptable and profitable right now, but bright warm weather seldom brings much in that line. Local producers of Peonies say the season was not so bad after all, as the main portion of the supply brought an average of $1.50 per 100. Spanish Iris, in different colors, are a feature at $2 to $3 per 100 and find most retail patronage at 60c. to 75c. a dozen. Callas are about out of this market, such as come moving at $10 per 100; but Harrisii Lilies are still being cut in large quantities and go at the same price. Lilium rubrum, album and auratum have made their appearance, but the quantity is too small for quotations.

Commencements consume a liberal quantity of Roses, but the amount is small in proportion to the heavy supply. The best Richmond and Killarney are shipped in at $5 to $6 per 100. Bride and Bridesmaid are sold in surrounding markets at $3 to $6 per 100. American Beauty is moving slowly at $5 to $25 per 100. Dorothy Perkins, Ramblers and the various beautiful kinds of field Roses are available for all who would be artistic in their window trim. A recent window display of Syringas and pink Ramblers proved a decided novel success.

The quality of Carnations is good for so late a date, but it is altogether impossible to do justice to the number sent in; wholesale prices range from $1 to $3 per 100; retail from 35c. to 75c. a dozen.

Coreopsis and Yellow Daisies are a relief for customers at $1.50 per 100 wholesale, and 25c. per doz. retail. A few Cattleyas are offered but warm weather seldom improves the taste for them; prices are according to Eastern quotations on same. I. B.

ST. LOUIS, June 13.—Business with the local florists last week was extra good in weddings, school work and funerals. The weather is beginning to become hot and Summer-like, and, as this is the last week for school work, the season will practically be at an end, as society is leaving the city for its summer homes.

The commission houses had a large amount of stock consigned last week and they cleaned up pretty well each day with only the low grades left over.

Carnations, fancy, are still up to $3, firsts $2, and commons $1. Roses, American Beauty, $3 per dozen for long fancy and others ranging down from $10 to $3 per 100. Sweet Peas are most plentiful and sell well at from 35c. to 50c. per 100. Lily of the Valley, $3 to $4, Gladioli, $6 to $8 per 100. Fancy Ferns sell well, as do all other greens.

BLOOMINGTON, IA.—J. A. Delaney, formerly employed by the firm of Saddler Bros., nurserymen of this place, was arrested in Chicago, Ill., on June 7, on a warrant charging him with forging orders to the extent of $198.

J. K. ALLEN
COMMISSION DEALER IN CUT FLOWERS
Established 1887 106 West 28th Street, New York (NEAR 6th AVENUE ELEVATED R. R.)
Consignments of all varieties of Cut Flowers solicited.
Returns made daily where requested.
Best prices. Prompt payments.
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Wholesale Florists
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Telephones: 1193-1394 Main
We solicit consignments of cut flowers, especially of good ordinary carnations; prompt returns and payments. Out-of-town orders carefully attended to. Give us a trial.

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Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall space for advertising purposes to Rent.
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M. C. FORD
Successor to Ford Bros.
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121 West 28th Street,
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Telephones, 3870—3871 Madison Square

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GEORGE W. CRAWBUCK, Manager

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
110 West 28th Street
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Violets, Roses, Carnations, Orchids
Established 1888

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CUT FLOWERS
28 Willoughby Street
Tel. 4591 Main BROOKLYN, N. Y.

Alfred H. Langjahr
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
55 West 28th Street, NEW YORK
Telephones 4626, 4627 Mad. Sq. Established 1891.

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Telephone: 3393 Madison Square

MOORE, HENTZ & NASH, WHOLESALE COMMISSION FLORISTS, GROWER AGENT, ADJOINING New York Cut Flower Co's SALESROOM. 55 West 26th St., New York.

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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
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VIOLETS CARNATIONS AND ROSES
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THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664--1665 MADISON SQUARE
ENOUGH SAID

PHILIP F. KESSLER Commission Dealer in Cut Flowers
Open from 5 a. m. to 6 p. m. Sunday till 10 a. m.
55 & 57 West 26th Street, New York City
FINEST CALLAS AND LILIES EVERY DAY IN THE YEAR
Telephones:—5243 Madison Square. Residence, 345 J. Newtown.

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WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, June 15th, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	12.00 to 20.00
" extra	8.00 to 10.00
" No. 1	5.00 to 8.00
" No. 2	3.00 to 5.00
" No. 3	1.00 to 3.00
Killarney	.50 to 5.00
White Killarney	.50 to 5.00
My Maryland	.50 to 5.00
Richmond	.... to ....
Mme. Abel Chatenay	.... to ....
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	3.00 to 5.00
" extra	2.00 to 3.00
" No. 1	1.00 to 2.00
" No. 2	.50 to 1.00
Adiantum	.... to 1.00
Crowesnum	.... to 1.00
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosue, bunches	.12 to .20
Sprengeri, bunches	.12 to .20
Bouvardia	.... to ....
Callas	4.00 to 5.00
Daffodils	.... to ....
Daisies	.50 to 1.50
Ferns, per 1000	1.50 to 2.00
	.... to ....
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.50 to .75
Standard Varieties: White	1.00 to 1.50
Standard Varieties: Pinks	1.00 to 1.50
Standard Varieties: Red	1.00 to 1.50
Standard Varieties: Yel. & Var.	1.00 to 1.50
Fancy (The highest grades of Sta'd varieties): White	1.50 to 2.00
*Fancy: Pinks	1.50 to 2.00
*Fancy: Red	1.50 to 2.00
*Fancy: Yel. & Var.	1.50 to 2.00
Novelties	.... to ....
Gardenias, per doz.	.50 to 1.00
Lilacs, per bunch	.... to ....
Lilies, Harrisii and Longi.	3.00 to 5.00
Lily of the Valley	1.00 to 3.00
Mignonette, per doz.	.10 to .25
Narcissus	.... to ....
Orchids, Cattleyas	25.00 to 50.00
Cypripediums, per doz.	.... to ....
Dendrobium Formosum	.... to ....
Pansies, per doz. bunches	.... to ....
Poinsettias, per doz.	.... to ....
Hyacinths	.... to ....
Smilax (per doz. strings)	1.00 to 1.50
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.50 to .75
Tulips	.... to ....
Iris	.... to ....
Peonies	2.00 to 5.00

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 131 and 133 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Richmond, Lilies, Lily of the Valley, Carnations
Telephone, 1998 Madison Square P. J. SMITH, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE CUT FLOWERS AT WHOLESALE

ORCHIDS
The best of Orchids always on hand, also all kinds of Cut Flowers.
Gretsch & Ordonez Bros. Wholesale Florists
52 West 28th Street NEW YORK CITY
Telephone: 3327 Madison Square
We Solicit Consignments from Good Growers.

Please mention the Exchange when writing.

New York

F. R. Pierson, Tarrytown, president of the S. A. F. & O. H., recently spent four days in Boston, arranging for the National Flower Show in March, 1911. The committee in charge, of which Mr. Pierson is the chairman, has secured the Mechanics Building, Huntingdon ave., Back Bay, for the Show. This is considered the best building in Boston for this purpose. The Show will be held in the last week of March.

Wm. Elliott & Sons will hold their fifth annual trade auction sale of foliage plants next Tuesday, June 21, commencing, as usual, promptly at 12 o'clock. They will offer many fine stocks of decorative and foliage plants from growers with national reputations, and no florist should overlook this opportunity for stocking up, as it will be the last sale for the season. Among the plants offered will be Kentias, Latanias, Araucarias, Dracænas, Oranges, Ferns, Ardisias, Sagos, etc., all well grown and high class in every respect. Messrs. Elliott have for years, at the end of every Spring plant auction sale season, made a special offer for their last sale and this one will be no exception to former seasons, and it will afford capital opportunity to supply plant needs in quantity at the lowest market rates.

The Fruit Auction Co. will, next Tuesday, June 21, at 10.30 a.m., hold a special sale of Palms, Ferns, Rubbers, Bay trees and also a large and varied assortment of bedding plants, at their rooms, 202-204 Franklin st. A very large attendance is expected at this sale as all the plants will be of especially fine quality, having been supplied by many of the best growers. The sales which this company have held throughout the season, every Tuesday and Friday, have been remarkably well attended and now, as the season for plants commences to draw to a close, the last sales are attracting large numbers of buyers. The Bay trees which this company offer at their sales deserve more than passing mention. They are clean and well grown, in all desirable sizes, both standards, pyramids and Kaiser Kron shapes.

C. Platzek, Black Stump, Flushing, L. I., has been assigned a stand at the N. Y. Cut Flower Exchange.

John N. Hauser, son of L. A. Hauser, Freeport, L. I., and a West Point cadet, is home on a ten-weeks' furlough. He stands seventh in a class of 130.

The Aphine Mfg. Co. of Madison, N. J., expects to give a demonstration of the merits of Aphine at the S. A. F. convention at Rochester.

Charles F. Meyer, 99 Warren st., New York, sailed June 12 on the steamship Fatherland for Antwerp, for a three mouths' visit. His daughter accompanied him on his trip.

John H. Taylor, Bayside, L. I., sailed for Europe on June 11, for a sojourn of several months.

M. A. Bowe, 1294 Broadway, had a record breaker recently, in furnishing the decorations for seven weddings in two days. This, in addition to the regular work, made everyone hustle. Among these weddings may be mentioned the Rodenwald-Livingstone wedding at the Church of the Heavenly Rest; the Rosenfield-Hollander wedding, and also the Bowland-Wilson wedding at the Church of the Incarnation. At the last named wedding Kalmia latifolia was used in profusion, giving a beautiful effect. The Roman canopies used at these weddings were furnished by the Forster-Mansfield Mfg. Co., 143 West 28th st.

One of the most interesting displays at present in New York is to be seen in the corner show windows at Myer's, 609-611 Madison ave., where a rural scene is very skillfully depicted. In the background is a hillside with Kalmia latifolia growing among the decaying trunks of fallen trees, over which trail English Ivy vines. On a clearing on the hillside stands a thatched cottage. At the foot of the hill is a pond, bordered with stones, decayed logs and Ferns, in which fish are swimming around rocky islands;

and in the valley around there is a bush growth of Aralias, Ferns and vines, amid which can be seen some shy land terrapins. The work is by Henry Luhrs, Mr. Myer's right hand man. Within the store the icebox is well supplied with a variety of Orchids and other choice flowers.

John W. Hauser, 571 Madison ave., corner of 56th st., reports that he is kept reasonably busy with steamer orders and considerable funeral work.

The A. T. Bunyard Floral Co., corner of Madison ave. and 48th st., is displaying in its window an unusually large and fine Phoenix Roebelenii and some tastefully filled commencement baskets. Within the store there is a fine display of Phoenix reclinata and Kentias in large sizes. The company is busy with steamer orders, and commencement bouquets. The bouquets for the graduation exercises at the Carnegie Lyceum, recently, were furnished by this house.

Miss Florence Fenrich, sister of Joseph S. Fenrich of Henshaw & Fenrich, 51 W. 28th st., was married on Wednesday evening, June 15, at the home of her mother, 263 Tremont ave., to Charles Wittbeck. The house was handsomely decorated for the occasion by Herman Warendorff. There was a large number of guests, and the wedding presents were numerous.

The floral decorations for the Wheeler-Stubbs wedding, which recently took place at the Hotel Chelsea, were furnished by Harry Lewy, 784 Sixth ave. The rooms were trimmed with Oak leaves and field Daisies, and the bride carried a bouquet of Bride Roses showered with Lily of the Valley, while her attendants wore corsage bouquets of Orchids. Mr. Lewy reports that he has been quite busy with steamer orders and dinner decorations.

J. K. Duer, 644 Madison ave., reports a fairly good business along the regular lines.

Warrendorf, at the Tuxedo, 637 Madison ave., finds that business is keeping up well. Among other work he recently furnished a casket cover of Orchids and Lily of the Valley, and ten other large floral pieces for the funeral of Mr. Michel of West 28th st.

Charles A. Dards, 341 Madison ave., is very busy with steamer orders, weddings, funerals and commencements. Mr. Dards has a very large window box business, furnishing these decorations for close on to 100 hotels.

J. G. Panos, Fifth ave. and 125th st., reports a fairly good business, both in cut flowers and plants.

Tryforos Bros., 56 1-2 East 125th st., are handling a nice line of plants and cut flowers and find both business and prices much better than at this season last year.

Cable, Florist, is now in temporary quarters at 178 East 125th st., awaiting the finishing of the new building in September, when he will return to his old quarters at 188 West 125th st.

N. Fleesas, "Nick the Florist," 54 Manhattan st., is making a display of Ficus elastica from his greenhouse at Rutherford, N. J. He reports a reasonably good business, both here and at his other stores.

John Newall, 322 West 125th st., who has been more than thirty years in the florist business, is putting in a new store front. He feels that he is getting his share of business, and has no reason to complain.

The decorations for the Alexander-Roosevelt wedding, Monday, June 20, will be furnished by Wadley & Smythe. This will be one of the most notable events of the season. These florists are now displaying some very nice specimens of that odd, old, but little seen plant, Crassula, with its fleshy leaves and brilliant scarlet blooms. Their recent window display, consisting of a background of fine specimens of Cibotium Schiedei Ferns, and some white baskets filled with the choicest blooms of white Peonies, with a bowl of Spanish Iris, in blue, white and yellow, to give a touch of color, was simple and chaste, but very effective.

A partnership has recently been formed between R. Gretsch, 52 West 28th st. and Ordonez Bros., the Orchid growers at Madison, N. J. Mr. Gretsch and Manuel Ordonez will take care of the store part of the proposition at Mr. Gretsch's old stand, where he has been engaged in business for some time, and Miguel Ordonez will manage the Orchid houses at Madison, N. J. Ordonez Bros. grow a variety of Orchids, but give most attention to the Cattleyas, such as Mossiæ, Trianæ, gigas, and labiata. Vandas, Lælias and Dendrobiums are also grown. They are also importers as well as growers of Orchids.

Mr. and Mrs. E. C. Lounsbury of Tenafly, N. J., have recently gone on a three months' trip to California.

Michael Barker, editor of The American Florist, Chicago, was lately in town calling on his friends.

Pittsburgh Cut Flower Co.

Wholesale Florists and Growers

The House that Has and Sells Good Goods at Fair Prices

Salesroom: 222 Oliver Ave., PITTSBURGH, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Jun. 13, 1910	Pittsburgh Jun. 13, 1910	NAMES AND VARIETIES	Boston Jun. 14, 1910	Detroit Jun. 12, 1910	Cincinnati Jun. 13, 1910
—— to 35.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	18.00 to 25.00	20.00 to 25.00	—— to 25.00
18.00 to 25.00	12.50 to 15.00	" extra	8.00 to 12.00	18.00 to 20.00	—— to ——
12.50 to 15.00	6.00 to 10.00	" No. 1	6.00 to 10.00	12.00 to 18.00	—— to ——
4.00 to 8.00	—— to 3.00	" No. 2	—— to ——	6.00 to 10.00	—— to 2.00
4.00 to 8.00	8.00 to 10.00	Killarney	2.00 to 8.00	—— to ——	2.00 to 6.00
4.00 to 8.00	3.00 to 10.00	White Killarney	2.00 to 8.00	—— to ——	2.00 to 6.00
—— to ——	2.00 to 8.00	My Maryland	1.50 to 6.00	3.00 to 8.00	3.00 to 6.00
—— to ——	4.00 to 10.00	Richmond	1.50 to 6.00	4.00 to 10.00	4.00 to 6.00
4.00 to 6.00	—— to ——	Perle	—— to ——	—— to ——	—— to ——
—— to ——	—— to ——	Golden Gate	—— to ——	—— to ——	—— to ——
4.00 to 8.00	2.00 to 8.00	K. A. Victoria	—— to ——	4.00 to 10.00	—— to ——
—— to 8.00	—— to 10.00	Bride, Maid, fancy—special	—— to ——	8.00 to 10.00	—— to 5.00
—— to 6.00	6.00 to 8.00	" extra	2.00 to 3.00	6.00 to 8.00	—— to 2.00
—— to 4.00	—— to 4.00	" No. 1	1.00 to 1.50	4.00 to 6.00	—— to ——
—— to 2.00	—— to 2.00	" No. 2	—— to ——	3.00 to 4.00	—— to ——
—— to 1.00	1.00 to 1.50	Adiantum	.50 to 1.00	1.00 to 1.50	—— to ——
—— to 30.00	30.00 to 50.00	Asperagus, Plumosus, bunches	30.00 to 50.00	25.00 to 50.00	—— to 10.00
—— to 30.00	10.00 to 30.00	" Sprengeri, bunches	25.00 to 50.00	25.00 to 50.00	—— to ——
—— to ——	—— to ——	Bouvardia	—— to ——	—— to ——	—— to ——
—— to ——	—— to ——	Callas	6.00 to 8.00	12.50 to 15.00	—— to ——
—— to ——	—— to 1.50	Carnations—Inferior grades, all colors	—— to ——	—— to ——	—— to ——
—— to ——	—— to 2.00	Standard Varieties: White	1.00 to 3.00	1.00 to 2.00	—— to .60
—— to ——	—— to 1.50	Standard Varieties: Pink	1.00 to 3.00	1.00 to 2.00	1.00 to 1.50
—— to 1.00	—— to 1.50	Standard Varieties: Red	1.00 to 3.00	2.00 to 3.00	.75 to 1.50
—— to ——	—— to ——	Standard Varieties: Yellow and var.	—— to ——	—— to ——	—— to ——
—— to ——	2.50 to 4.00	*Fancy (*The highest grades of Sta'd vars.): White	1.00 to 3.00	2.00 to 3.00	—— to ——
2.00 to 3.00	2.50 to 4.00	*Fancy: Pink	1.00 to 3.00	2.00 to 3.00	—— to ——
—— to ——	2.50 to 4.00	*Fancy: Red	1.00 to 3.00	3.00 to 4.00	—— to ——
—— to ——	2.50 to 4.00	*Fancy: Yellow and var.	—— to ——	—— to ——	—— to ——
—— to ——	1.00 to 2.00	Daisies	—— to ——	.50 to 1.00	.35 to .50
—— to .30	—— to ——	Ferns, hardy	—— to ——	—— to .15	—— to ——
—— to .20	—— to ——	Galax, green and bronze	—— to ——	—— to .12	—— to ——
—— to ——	—— to ——	Gardenias, per doz.	—— to ——	—— to ——	—— to ——
—— to ——	—— to ——	Gladiolus	—— to ——	3.00 to 10.00	3.00 to 6.00
—— to 12.50	8.00 to 10.00	Lilies, Harrisii and Longi	6.00 to .800	12.50 to 15.00	—— to ——
—— to 3.00	2.00 to 4.00	Lily of the Valley	1.00 to 3.00	3.00 to 4.00	—— to 4.00
—— to ——	—— to ——	Mignonette	—— to ——	3.00 to 6.00	—— to ——
—— to ——	50.00 to 75.00	Orchids—Cattleyas	30.00 to 40.00	—— to ——	—— to ——
—— to ——	—— to ——	Orchids—Cypripediums	—— to ——	—— to ——	—— to ——
—— to 1.00	—— to .50	Pansies, per doz. bunches	—— to ——	1.00 to 1.50	—— to ——
3.00 to 6.00	4.00 to 6.00	Peonies	—— to ——	4.00 to 10.00	3.00 to 6.00
—— to 1.50	1.50 to 2.00	Smilax, (per doz. strings)	—— to ——	—— to 1.50	—— to 1.50
—— to 1.00	.25 to 1.00	Sweet Peas	.25 to 1.00	.50 to 1.00	.50 to .75
—— to ——	—— to ——	Tulips	—— to ——	—— to ——	—— to ——
—— to ——	—— to ——		—— to ——	—— to ——	—— to ——
—— to ——	—— to ——		—— to ——	—— to ——	—— to ——

BOSTON, MASS.

SPECIALTIES

CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY

And all other seasonable flowers in quantity

WELCH BROS.

226 Devonshire Street.

Please mention the Exchange when writing.

E. G. GILLETT

WHOLESALE FLORIST

Successor to Gillett & Ohmer

131 East 3rd St. CINCINNATI, O.

All Cut Flowers in Season

I Sell Heller Bros. Roses

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Illustrated Catalogue for the asking.

Get your order in now for

HANGING BASKETS

The Best—The Strongest—The Cheapest

Green Sheet Moss, $1.00 per Bundle

Sphagnum Moss, $1.00 per Bale

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GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

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WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C. C. Pollworth Co.

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Please mention the Exchange when writing.

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Headquarters of Western Pennsylvania Growers

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

Boston

The weather for June is almost unprecedented in this part of the country. In the early days of the month in some districts there was a severe frost, injuring many crops, such as Tomatoes, Beans, Egg Plants and many other tender crops which has caused a severe loss. Very strangely, in some places right near those injured some of the same kind were unhurt.

For the greatest part of this week we have had tremendous rainstorms with cold easterly winds which has damaged outdoor flowers considerably. Peonies have suffered considerably from the wind and rain and, although the exhibition was put back a week, they are still in poor shape and the show won't be what we expected.

All this has caused a serious stagnation and affairs have, indeed, been very discouraging; there are complaints from all departments of the trade.

For the next two weeks there are a great many weddings scheduled and we are all hoping that the weather man will give us some seasonable sunshine and make things more pleasant.

The Carnations from W. D. Howard of Milford, Mass., are of exceptionally fine quality at this time. His Harry Fenn, Beacon, Fair Maid and variegated Lawson have excellent stout strong stems and the flowers are of good size and substance.

There is some very good Feverfew in the market now, but that shipped by J. R. Jackson of Woburn will compare well with any we have seen. It has good long stems and the flowers are whiter than usual.

The first Sweet William seen in the market came from Paul E. Richwagen of Needham. The strain seems poor and anyone growing this plant should try some of Sutton's strain. Their pink and white are very good.

The longiflorum Lilies from the Worcester Rose Conservatories are as good as any we see around and there is quite a demand for this particular article at this time as they are used in church decorations.

H. Vose of Hyde Park is sending to market some good consignments of Peonies.

The baseball team of the market at Park st. is to play Thomas Rowland's men at Nahant on June 25.

Charles E. Evans of Watertown is going to dispose of his horses and is to purchase a Stanley automobile.

Arthur Griffin, late of Newport, has purchased a place at Woburn, Mass. There are two greenhouses now; more are to be erected at once to be devoted wholly to Carnations. Mr. Griffin is a good plantsman and we have no doubt but he will turn out some fine goods. We wish him much success and welcome him to the ranks of the trade.

James Wheeler of Natick has the construction of his large greenhouses far enough along to do glazing and painting; Robert M. Davis of West Somerville has the contract. With the hard work on his new place Mr. Wheeler's shadow has lessened somewhat, but he says he will be in good condition for some of the big events at the G. and F. picnic.

William S. Grassie of Waverly has trenched about two acres of land on his new place and has it all under crops now. He began on his new greenhouse this week. William is quite a good deal lighter in weight from hard work but feels in excellent trim to carry away the important prizes at the coming picnic. He holds a gold medal as the champion amateur ten mile runner of New England, and he won it without much training.

Joseph S. Chase of Malden has been shipping heavily to market early Peonies of which he has had a good supply.

Club meeting of the G. and F. will take place at Hort. Hall, on Tuesday evening, June 21, at the usual hour. It is ladies' night and there is a special entertainment prepared; it is hoped all members will be present with their ladies. The executive committee has decided to hold the picnic of the Club this year on July 27 at Pine Banks, Malden. It is hoped that all athletic members will at once go into training.

To show the keeping qualities of Or-

EARLY CLOSING! Commencing June the 20th, we will close at 6 p. m.

Sweet Peas
75c. to $1.00 per 100
All colors. You will find the better grade the most desirable and most profitable.

Valley
Fancy.....$4.00 per 100
First ..... 3.00 "
Large supply—excellent quality.

Rose Plants Prompt delivery.
Maids, 3½-in. pots.....$7.00 per 100
Brides, 3-in. pots..... 6.00 "
Richmonds, 3-in. pots ... 6.00 "

Cattleyas
$6.00 per dozen
Special price in quantity—very choice flowers.

DAGGER FERNS.....$1.00 per 100
BRONZE GALAX .....$7.50 per case

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA
Open from 7 A.M. to 6 P.M.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Jun. 13, 1910	Buffalo Jun. 13, 1910	NAMES AND VARIETIES	Phil'delphia Jun. 13, 1910	St. Louis Jun. 13, 1910
..... to 25.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	15.00 to 25.00	15.00 to 20.00
15.00 to 20.00	15.00 to 20.00	" extra	10.00 to 15.00	10.00 to 15.00
10.00 to 12.50	8.00 to 10.00	" No. 1	8.00 to 10.00	6.00 to 10.00
6.00 to 8.00	2.00 to 4.00	" No. 2	2.00 to 6.00	2.00 to 4.00
4.00 to 8.00	3.00 to 10.00	Killarney	4.00 to 10.00	3.00 to 6.00
4.00 to 8.00	3.00 to 10.00	White Killarney	4.00 to 10.00	3.00 to 6.00
4.00 to 8.00	3.00 to 10.00	My Maryland	3.00 to 10.00	3.00 to 6.00
3.00 to 8.00	3.00 to 10.00	Richmond	3.00 to 10.00	..... to .....
3.00 to 5.00	..... to	Perle	4.00 to 8.00	..... to .....
3.00 to 8.00	..... to	Golden Gate	2.00 to 5.00	..... to .....
4.00 to 8.00	..... to	K. A. Victoria	3.00 to 10.00	..... to .....
6.00 to 8.00	..... to 8.00	Bride, Maid, fancy—special	8.00 to 10.00	..... to 6.00
4.00 to 5.00	6.00 to 8.00	" extra	6.00 to 8.00	..... to .....
3.00 to 4.00	4.00 to 8.00	" No. 1	4.00 to 6.00	3.00 to 4.00
..... to 2.00	2.00 to 4.00	" No. 2	1.00 to 4.00	2.00 to 3.00
..... to 1.00	1.25 to 1.50	Adiantum	1.00 to 1.50	..... to .....
5.00 to 50.00	..... to	Asparagus, Plumosus, bunches	35.00 to 50.00	..... to .....
5.00 to 50.00	..... to	" Sprengeri, bunches	25.00 to 50.00	..... to .....
..... to 2.00	..... to	Bouvardia	..... to	..... to .....
8.00 to 10.00	8.00 to 12.00	Callas	8.00 to 12.50	..... to .....
..... to 1.00	1.50 to 2.50	Carnations—Inferior grades, all colors	.75 to 1.00	..... to .....
1.50 to 2.00	1.50 to 2.50	Standard Varieties: White	1.00 to 1.50	2.00 to 3.00
1.50 to 2.00	1.50 to 2.50	Standard Varieties: Pink	1.00 to 1.50	2.00 to 2.50
1.50 to 2.00	1.50 to 2.50	Standard Varieties: Red	1.00 to 1.50	2.00 to 3.00
1.50 to 2.00	1.50 to 2.50	Standard Varieties: Yellow and var.	1.00 to 1.50	..... to .....
..... to 2.50	..... to 3.00	*Fancy (*The highest grades of Sta'd vars.): White	2.00 to 3.00	2.00 to 3.00
..... to 2.50	..... to 8.00	*Fancy: Pink	2.00 to 3.00	2.00 to 2.50
..... to 2.50	..... to 3.00	*Fancy: Red	2.00 to 3.00	2.00 to 3.00
..... to 2.50	..... to 3.00	*Fancy: Yellow and var.	2.00 to 3.00	..... to .....
..... to	1.00 to 2.00	Galaxis	1.00 to 1.50	..... to .....
..... to	..... to .25	Ferns, hardy	.10 to .15	..... to .....
..... to	..... to .15	Galax, green and bronze	..... to .10	..... to .....
..... to 10.00	1.80 to 3.00	Gardenias, per doz.	.60 to 1.50	..... to .....
3.00 to 6.00	..... to	Gladiolus	5.00 to 12.50	..... to .....
..... to 12.50	10.00 to 12.50	Lilies, Harrisii and Longi	6.00 to 12.50	..... to .....
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 5.00	3.00 to 4.00
..... to	1.00 to 3.00	Mignonette	1.00 to 2.00	..... to .....
..... to	..... to	Orchids—Cattleyas	50.00 to 60.00	..... to .....
..... to	..... to	Cypripediums	..... to	..... to .....
..... to	.20 to .50	Pansies, per doz. bunches	..... to	..... to .....
3.00 to 4.00	3.00 to 6.00	Peonies	3.00 to 8.00	..... to .....
..... to 2.00	..... to 1.50	Smilax, (per doz. strings)	1.50 to 2.50	..... to .....
.35 to .75	.50 to 1.00	Sweet Peas	.60 to 1.00	..... to .....
..... to	1.00 to 3.00	Tulips	..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

WE ARE NOW BOOKING ORDERS FOR

BEGONIA LORRAINE
BEGONIA LORRAINE LONSDALE
BEGONIA AGATHA

JUNE DELIVERY

Our stock will be of the very highest quality, and we wish to impress upon our customers that all our Begonias will be **twice shifted.** Orders filled in rotation. 2½-in. pots, $15.00 per 100, $140.00 per 1000.

Special price on lots of 5000 or 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

BEAUTIES

Our growers are cutting freely all lengths (mostly Specials). Quality, Size and Color the best.

	Doz.	100
Specials	$3.00	$20.00
Fancy	2.50	17.50
Extra	2.00	15.00
First	1.50	10.00
Seconds	1.00	8.00

Specials in lots of 200 or more $17.50 per 100.

Still have some choice **PEONIES** to offer, mostly Whites and Pinks (the lighter shades); a few crimson too, $40.00 to $50.00 per thousand.

RIBBONS

Some of our choicest novelties, exclusive patterns, and an endless variety to choose from.

Supplies of all kinds

Catalogue on request

A price list of all Cut Flowers is issued every Saturday. If you are not on the list, let us have your name.

Open 7 a. m. to 6 p. m. Not open for business on Sundays.
Not responsible for flowers after delivery to express company.

S. S. Pennock-Meehan Co.
The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St. Philadelphia, Pa. — 1212 New York Ave. Washington, D. C.
Stores close at 6 p. m.

Please mention the Exchange when writing.

Headquarters in Western New York
For Roses, Carnations,
And all kinds of Seasonable Flowers

WM. F. KASTING CO.
Wholesale Commission Florists
Dealers in Florists' Supplies and Wire designs
383-87 Ellicott St., BUFFALO, N.Y.
Give us a trial—We can please you

Please mention the Exchange when writing.

EDWARD REID
Wholesale Florist
Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.
Our usual quality (the best)
1526 Ranstead St., Philadelphia, Pa.
Please mention the Exchange when writing.

chids many retail stores are still making a good exhibit of these flowers which were obtained at the time of the Orchid exhibition.

Thomas F. Galvin has been exceptionally busy with wedding decorations. In his Tremont st. store he had a very fine vase of Odontoglossum citrosmum.

George Hollis of Weymouth, Mass., has been on the sick list for some time past and although he is much interested in the Peony Society he could not attend the meeting.

Visitors this week: Joseph Dauphin, Cottage Gardens, Queens, N. Y.; Prof. Leon D. Batchelor, Cornell University, Ithaca, N. Y.; Albert Lahodny, Hempstead, N. Y.; George H. Peterson, Fair Lawn, N. J.; B. H. Farr, Reading, Pa.; J. J. Syer, Concordville, Pa.; Prof. A. P. Saunders, Clinton, N. Y.

Edward O. Orpet Goes West

We have learned with much regret that Edward O. Orpet is leaving New England and going to Illinois. We are, however, glad that an opportunity has come when Mr. Orpet can show his ability to even better advantage than he has in the past. There are great opportunities in the Middle West and we can safely say that E. O. Orpet will make a valuable addition to the gardeners' ranks in that part of the country or, in fact, to any part wherever he may go. He leaves South Lancaster after 20 years of faithful service. In his early days in that place we were much interested in the work he was doing among hardy plants and read many of his brilliant and instructive articles. Later, he became one of America's greatest Orchid growers and has done more valuable work in that line than any other man in the States. He has been a steady writer on horticultural subjects and is always right up to date with his articles. He leaves on July 1 to take charge of the estate of Cyrus H. McCormick, Lake Forest, Ill., and his friends wish him the greatest success. R. C.

Philadelphia

Wm. F. Gude of Washington, D. C., and two sons were recently visitors in town.

John F. Clements, Pittsburgh, Pa., with his bride, were recently stopping at the Bellevue-Stratford, en route to Atlantic City. Mr. Clements is receiving the hearty congratulations of his many friends.

Stephen Mortimer, Southhampton, Pa., recently sailed for Europe, accompanied by his wife.

Emile Gescheck, of the Pelham Greenhouses, Germantown, has recently added to his establishment a nice adjoining lot which will give him some needed room.

Morris Hoffman, who is with Alexander Campbell, the florist, was recently made happy by the arrival of a nice boy baby. Congratulations are in order.

Charles Poryzees, corner 15th and Chestnut sts., and Louis Polites, corner 13th and Chestnut sts., are spending their Summer in Greece.

Louis A. Couche, 72d st. and Haverford ave., died Thursday, June 9, and was buried the following Saturday. Mr. Couche was one of the largest Violet growers in this section.

Charles Henry Fox has been confined for three weeks in the Medico Chi Hospital, with typhoid fever. His recovery is hoped for, but he is not yet able to leave his bed.

Edward Reid, 1526 Ranstead st., is receiving some nice Ethel Crocker Carnation blooms. Heavy shipments of Roses continue. Mr. Reid may be seen on pleasant days autoing to and from Lansdowne.

The case of the Pennsylvania Horticultural Society came up in court on Thursday, June 9. A decision was reserved.

The Leo Niessen Co. is continuing to receive a choice cut of Sweet Peas. This company reports business as reasonably good, especially shipping orders.

The S. S. Pennock-Meehan Co. is receiving a very choice and large cut of American Beauty Roses. It also has a good supply, still, of the choicest varieties of Peonies, in excellent condition.

The Robert Craig Co. has on file 100 recently received orders for Begonia

Long Distance Phone, Central 6004

WINTERSON'S SEED STORE

45-47-49 Wabash Ave., CHICAGO

Seedsmen, Plantsmen, Nurserymen, Florists' Supplies

Illustrated SUPPLY CATALOG Free. We have the largest stock of Wire Work in the West.

We supply everything the FLORIST Uses.

There is nothing better than our Hardy Evergreen Lawn Seed. Write for prices on large lots.

Please mention the Exchange when writing.

CHAS. W. McKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND ALL CUT FLOWERS AND GREENS

51 Wabash Ave., Chicago

Please mention the Exchange when writing.

HOERBER BROTHERS

Wholesale Growers

ROSES and CARNATIONS a specialty

Prompt attention to all orders.

51 Wabash Ave., CHICAGO, ILL.

Greenhouses, Des Plaines, Ill.

Long distance telephone, Randolph 2785

Please mention the Exchange when writing.

"The Busiest House in Chicago"

J. B. DEAMUD CO.

Wholesale Florists

51 Wabash Ave.

Please mention the Exchange when writing.

Poehlmann Bros. Co.

WHOLESALE GROWERS OF and DEALERS IN CUT FLOWERS

All telegraph and telephone orders given prompt attention.

35-37 Randolph St., - CHICAGO

Greenhouses: MORTON GROVE, ILL.

Please mention the Exchange when writing.

E. G. HILL CO.

Wholesale Florists

RICHMOND, INDIANA

Please mention the Exchange when writing.

Wietor Bros.

Wholesale Growers of

CUT FLOWERS

All telegraph and Telephone orders given prompt attention.

51 WABASH AVENUE, CHICAGO

Please mention the Exchange when writing.

ST. PAUL, MINN.

Send us your orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO., FLORISTS ST. PAUL, MINN.

Please mention the Exchange when writing.

All Leading Varieties of ROSES AND CARNATIONS

PETER REINBERG

Wholesale Cut Flowers

51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Roses

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers, Chicago, June 14, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	.... to 3.00
30-inch stems.. "	.... to 2.50
24-inch stems.. "	.... to 2.00
20-inch stems.. "	.... to 1.50
18-inch stems.. "	.... to 1.25
12-inch stems.. "	.... to 1.00
8-in. stems and shorts "	.... to .75
Killarney	4.00 to 6.00
" extra	.... to 8.00
White Killarney	.... to 8.00
Richmond	5.00 to 8.00
My Maryland	5.00 to 8.00
Bride, Maid, fancy special	5.00 to 7.00
" extra	5.00 to 6.00
" No. 1	.... to 3.00
" No. 2	.... to 2.00
Perle	5.00 to 6.00
Chatenay	4.00 to 6.00
Kaiserin	5.00 to 7.00
Uncle John	.... to 6.00
Mrs. Marshall Field	.... to 6.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Calla Lily	10.00 to 12.50
Chrysanthemums, doz.	.... to ....
" fancy dnz.	.... to ....
Corn Flowers	.75 to 1.00
Daisies	.... to ....

CARNATIONS		
Standard Varieties	White	1.00 to 2.00
	Pink	1.00 to 2.00
	Red	1.00 to 2.00
	Yel. and Var.	.... to ....
*Fancy (*The highest grades of Sta'd varieties)	White	2.50 to 3.00
	Pink	2.50 to 3.00
	Red	2.50 to 3.00
	Yel. and Var.	.... to ....
Ferns, hardy, per 1000		.... to 3.00
Galax (green)		.... to 1.00
" (bronze)		.... to 1.00
Gardenias		20.00 to 30.00
Lilies, Harrisii and Longi.		10.00 to 12.50
Lily of the Valley		3.00 to 4.00
Mignonette		2.00 to 4.00
Narcissus—Paper White		.... to ....
Orchids—Cattleyas		50.00 to 60.00
" Cypripediums		15.00 to 20.00
Pansies		.... to .50
Peonies		5.00 to 8.00
Smilax		12.00 to 15.00
Sweet Peas		.50 to 1.50
....		.... to ....
Violets, single		.... to ....
" double		.... to ....
....		.... to ....
....		.... to ....
....		.... to ....
....		.... to ....
....		.... to ....

A. L. RANDALL CO.

Wholesale Florists and Headquarters for Florists' and Growers' Supplies

Write for catalogue

19-21 Randolph St., CHICAGO, ILL.

Please mention the Exchange when writing.

VAUGHAN & SPERRY

Wholesale Florists

Valley, Carnations and Roses

52-54 WABASH AVE., CHICAGO

Please mention the Exchange when writing.

DOMOTO BROS.

Wholesale Florists

Store, 2729 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.

Headquarters for Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.

We respectfully solicit your patronage.

Please mention the Exchange when writing.

Gloire de Lorraine, 50,000 of which they have in stock, in marvellously fine condition. Of their 40,000 Cyclamens some even now are in 6-in. pots and pans, and are the largest and best for this season of the year ever seen anywhere. There can be noticed at this establishment 100,000 Nephrolepis of different varieties, in 2-in. to 4-in. pots. The 7-in. Areca lutescens are in fine condition, and a block of about 2000 Dracæna Massangeana in large sizes are worth going a day's journey to see.

The friends of Samuel Lit, of the firm of Lit Bros., gave him, before sailing, a unique send-off in the way of a dinner at the "bottom of the sea," at the famous old Child's residence. The decorations were by J. J. Habermehl's Sons, the Bellevue-Stratford florists. The sides and ceilings of the rooms were covered with canvas, which in turn was covered with shells and seaweeds. There was a great tank of water, with aquatic plants, sand, life preservers and anchors lying about, and port and starboard ship lamps were used, instead of the usual candelabra, to light up the scene. Thunder roared and lightning flashed to represent a storm at sea, and old Neptune at the door received the guests. This was probably one of the most unique decorations ever furnished by a florist.

The book of WATER GARDENING

By Peter Bisset. Price, postpaid, $2.50

A. T. DELAMARE PTG. & PUB. CO., LTD

2 to 6 Duane Street, New York.

Chicago

The past few days of warm, clear and sunshiny weather has had a decided effect on market conditions, inasmuch as stock has increased, and there is a tendency to oversupply, creating practically a glut in some lines, especially in the case of Carnations. On Saturday last the Greeks bought Carnations by the thousands, and the wholesalers were glad to find even this outlet for them. Peonies, while not seen in such quantity as is usual at this season, are in sufficient supply. To the end of last week business was most satisfactory, to nearly all in the trade, but in the past three or four days there has been a decided change. Of course, this is not unexpected, and no one is showing any signs of discouragement owing to the reverse.

A visit to the Rose garden at Jackson Park proves that the weather experienced in March has had a most undesirable effect on the Roses, and many visitors will be disappointed this year through the poor quality of the flowers, as they are not coming on in anything like the usual grand showing for years back.

A photograph of Miss Lillie Tonner, of the A. L. Randall Co., in a daily paper last Saturday, depicting her as the discoverer of the "Straw Flower" was a dream of the reporter, and a scoop for the editor, to put one over New York, eclipsing the report that that city had something new, by the inference that we had had the same thing for some years in Chicago. It followed an item in a contemporary that a new Straw Flower had been discovered in New York City.

A novel feature in window advertising has been seen at A. Lange's store for two weeks. A bridal shower bouquet of white Sweet Peas and Maidenhair Fern, with ribbon attached, has been a great drawing card, and many orders for bridal bouquets of this order has been the result.

A unique finish for a wreath seen at J. Mangels was a bow knot made of Pansies and Asparagus, in place of the usual ribbon.

Friedman has had his usual share of weddings and commencement orders for the season, and the business has kept all hands busy in keeping up with the work. The decoration of the windows of this store is ever an attraction to the mass of people who throng Michigan ave.

The decorations for the Harris wedding, that takes place at Lake Geneva, Ill., June 23, and which is to be one of the most elaborate of the season, have fallen to the lot of C. A. Samuelson. The color scheme will be green and white. Peony Festiva maxima and Ferns are to be used. The bouquets for the entire bridal party will be of white Orchids.

G. E. Serviss of Batavia, Ill., had over 1000 blooms of Golden Glow Chrysanthemums for Memorial Day. The plants, it is stated, are all showing crown buds again, and he expects to have another crop in two or three weeks.

Every man interested in the Chicago Florists' Club should make it a point to have no other engagement for the evening of Juy 7, the date of the dinner given by the Club.

The many Chicago friends of Joe Pollworth, of the C. C. Pollworth Co., Milwaukee, Wis., were pleased to hear of his good fortune. Mr. Pollworth and his wife have fallen heirs to $350,000 through the death of Mrs. Pollworth's father.

Vaughan's greenhouses are now shipping Peonies; the flowers are consigned to the J. B. Deamud Co.

Winterson's Seed Store reports a very remarkable day's business last Saturday in the sale of all sorts of bedding plants.

Charles Stewart, of W. W. Barnard Co.'s Fifth ave. store, says the sales of Tomato plants are running away ahead of those of last year. The only difficulty they experience is in finding good plants. The Tomato plants in general have been very poor. He also says that the sales on all small bedding plants have far exceeded last year's.

Vaughan & Sperry are getting in a fine crop of American Beauty Roses. They are also handling quantities of Peonies, which as yet have held their own regarding price. Mr. Sperry says that in the Gladiolus line he finds that Augusta, while not bringing quite as high prices as Frances King, is a steady seller, being used considerably for sprays for funeral work.

That the Peonies were not damaged in the locality of Naperville, Ill., is evident, by the quality of stock shipped from there to Kennicott Brothers on Monday morning. These were exceptionally fine flowers, and far beyond the average seen on the market this season.

Hoerber Brothers are progressing nicely with their greenhouses at Des Plaines, but no such favorable report can be made regarding the water question. They have now drilled to the depth of over 900 ft. without striking water.

H. C. Blewitt of Des Plaines says he had hoped to have his new greenhouse well under way by this time, but he has been so busy with indoor stock that he has found it impossible to start.

Mr. Burke, of Clifford & Burke, says that up to last week they have been exceptionally busy with funeral work.

The Chicago Carnation Co. of Joliet, Ill., is cutting its Peony crop. The entire cut has been sold to Schiller the Florist. They loaded a large refrigerator car which was shipped the first of the week. Manager Pyfer says the late frosts did a great deal of damage, especially to the late varieties, of which they will have but half a crop. The company is building two new houses, 300 ft. long and is also replacing the wooden posts in the other houses with modern concrete ones, and painting and repairing the houses generally.

Bowling

The averages of the bowlers so far are as follows:

L. Vaughan ..	15	2553	170 3-15
T. C. Yarnall .	18	3056	169 14-18
J. Zech	6	1004	167 2-6
J. Huebner ...	21	3472	165 7-21
F. J. Pasternick.	21	3436	164 2-21
E. Farley	21	3436	164 2-21
Wm. Graff ...	21	3361	160 11-21
Geo. Asmus ..	9	1432	159 1-9
Ed. Winterson	9	1387	154 1-9
F. Ayres	18	2623	145 13-18

Visitors: Mr. Grimm of Grimm & Gorley, St. Louis, Mo.; Geo. C. Schmitt, Tuscola, Ill.; Geo. Franks, Champaign, Ill.; C. Nanz, Owensboro, Ky.; C. Wild, Sarcoxie, Mo.

Cincinnati

The Queen City is now very busy with conventions. Last week the traveling men were here with their wives and sweethearts, and as they are pretty good money spenders they helped the business to a certain extent.

This week, the celebrated Glidden tour starts from Government sq. on June 14, at 9 a.m. At this writing the cars are all lined up on the square and their experts are busy getting their horses in good trim for the race. Automobiles are to be seen on every street corner, in the middle of the streets, and every place else, and in order to cross the streets one almost has to have a policeman to help, to keep from getting killed. What aid this will be to the flower business remains to be seen. Tonight they have a "bougou fest" at Coney Island, the place where the S. A. F. was entertained last year—posaibly some of you have a vivid remembrance.

There will be quite a number of florists attending the convention at Rochester, and we are in hopes of having a bowling team to go in competition with other cities at this meet.

General business during the past week was only fair. We have had much rain, and it put a damper to a certain extent upon business; but weddings, funerals, and commencements keep the florists from complaining. The dry goods people are about the only class in a legitimate position; they claim that the five cent theaters, and people mortgaging their homes to buy automobiles, are causes for a financial stringency.

A Lord & Burnham Co. representative was here last week, and sold two houses to Oliver Murphy. Sidney Murphy is also re-erecting his houses.

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is pure plant food, immediately available. It permanently enriches the soil. It prevents the onslaughts of plant disease, or insects and pests. Can be used at any time during the growing season, dry or in solution.

Put up in 12 pound cans. Price $2.00

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	Price per crate		Price per crate		Price per crate
1500 2-in. pots in crate	$4.88	456 4½-in. pots in crate	$5.24	HAND MADE 48 9 in. pots in crate	$3.60
1500 2¼ " "	5.25	320 5 " "	4.51	48 10 " "	4 80
1500 2½ " "	6 00	210 5½ " "	3.78	24 11 " "	3 60
1000 3 " "	5 00	144 6 " "	3.18	24 12 " "	4.80
800 3½ " "	5.80	120 7 " "	4 20	12 14 " "	4.80
500 4 " "	4.50	60 8 " "	3.00	6 16 " "	4.50

Seed pans, same price as pots. Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Please remit by Money Order or New York Draft

HILFINGER BROS., Pottery, - - FORT EDWARD, N. Y.

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Send $3.00 at once for a sample package of fifteen pounds, enough to bind fifteen trees three feet around. Express paid anywhere East of the Mississippi; 50c. extra West of it.

Send for our illustrated booklet.

George Stratford Oakum Co.

165 Cornelison Avenue, Jersey City, N. J.

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F. E.—The Best Advertising Medium

Bloomhurst, under the supervision of Wm. Sunderbruch, is assuming better conditions, and will soon be ready for business.

The hailstorm which passed over this section a few weeks ago did no special damage to greenhouses, but several counties over which the storm passed suffered from it.

Uncle John Lodders of Hamilton, who has been very sick for quite a number of weeks, is reported to be improved, and I would not be surprised if you would see him at Rochester for a good time with the boys.

H. M. Altick of Dayton, O., "Harry," as he is well known by all the trade, was a caller last week. He is in the machine business at the present time, but still has a warm spot in his heart for our trade and claims to be a florist—and I might say a "shootist," as he generally captured all the prizes worth having at the S. A. F. contests.

Lester A. Benson, formerly of Newport, Ky., now of Indianapolis, was a caller June 10. He purchased the fixtures of the Bletcher Floral Co., and will ship the same to Indianapolis. This is the end of the Bletcher Floral Co.

R. D. Ruttle of Covington, Ky., was very busy on June 14, with commencement work, handling a large quantity of American Beauty and Killarney Roses, and other flowers. Any morning you can see Joe Grimm, looking like a packhorse, with the large bundle of flowers which he buys at the commission houses for Mr. Ruttle's trade. He has certainly built up a fine business in the past ten years. Joseph Saunders of Newport, who bought out Benson, is also a busy man in the trade of Newport, and also does considerable business in Cincinnati.

E. G. GILLETT.

We have been importing millions of dollars worth of nuts and nut products every year, but this country has now established at Cornell University, perhaps the first course in nut culture in the world, and it is probable that the "millions of dollars worth" will soon figure on the export side instead of the import side. For the course in nuci-culture at Cornell, there is an annual prize of twenty-five dollars for the best grafter. —ROBERT T. MORRIS in *Nut Notes*.

All the Clay

for our

Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.

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Red Standard Pots

Look ahead and see where you can get the **best Pot for your money** you are going to spend this Fall to stock your greenhouses.

Think of us.
Write us.
Try us.

THE KELLER POTTERY CO.

213-223 Pearl St., NORRISTOWN, PA.

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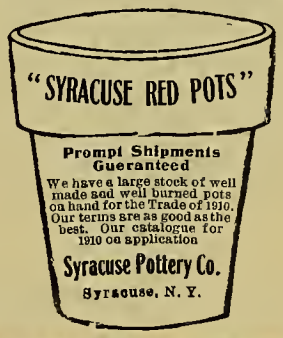

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The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog, and details; to Department C.

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Cattle Manure in Bags

Shredded or Pulverized

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Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company

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Estimates Cheerfully furnished

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MATERIAL
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Pecky Cypress for Benches
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20,000 Bxs. In Stock **GLASS** At Wholesale

LATEST UP-TO-DATE
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Pipe, Fittings, Valves
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WE INVITE COMPARISON

Everything for Erection
We carry the largest stock of
HOT-BED SASH In the United States

Our New
VENT APPARATUS Will Lift Easy 100 Feet

DOUBLE LIGHT
HOT-BED SASH Requires No Covers

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The Best BUG KILLER AND BLOOM SAVER
For PROOF Write to
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Green Flies and Black ones too
are easy to kill with
The Fumigating Kind Tobacco Powder
$3.00 per beg 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

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If you understand Modern Methods and FARM INTELLIGENTLY
Every reader of the Florists' Exchange who is interested in farming or gardening, in the growing of fruit or of flowers, is invited to send for a free copy of our 80-page catalogue and full information in regard to the Home Study Courses in Agriculture, Horticulture, Landscape Gardening and Floriculture which we offer under Prof. Brooke of the Massachusetts Agricultural College and Prof. Craig of the Cornell University.
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Write to us about your
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for any size and style of
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Hot-Bed Sash
in stock or any size required.

Pecky Cypress Benches
most lasting—least expensive.

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FOR PAINT, USE
"Hammond's Greenhouse White"

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Kills Bugs on Asters

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The Ideal Plant Food For Florists.

Write today for Prices and Booklet.
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Fertilizers
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At Wholesale Prices
WILLIAM M. DAVIDGE
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Indianapolis

The death of Charles Vollrath, although expected, was a sad blow for his many friends in this community. The end came Wednesday evening, June 8. Charlie, as he was familiarly called, had been connected with the trade in this city for nearly twenty years, after coming to this city from Conoquenessing Valley, Pa. He was laid to rest on Saturday, June 12, amid the many beautiful flowers he loved so well. He is survived by a wife, to whom the trade wishes to extend its sympathy.

Mr. and Mrs. Thomas Knipe of Kokomo, Ind., spent Sunday in visiting the local establishments. Tom is a hard worker and reports a good business in his city.

F. Smith, of Smith & Fetters, Cleveland, O., spent last Tuesday in Indianapolis, visiting the retail shops.

Wm. Craig of St. Louis was a recent visitor.

The State Florists' Association of Indiana, at its last monthly meeting, decided to hold a Chrysanthemum show this coming Autumn. The executive committee, composed of Messrs. Stuart, Junge, Wiegand and Baur, have the affair in charge. Premium lists are to be sent out immediately and preparations made for giving a successful exhibition. The details are all to be arranged and reported on at the next meeting, in July.

Henry C. Ruppel, representing D. U. Augspurger & Sons Co., of Peoria, Ill., is booking plant orders in this section.

Mr. and Mrs. Edward Bertermann are visiting in Detroit.

Alfred Brandt and The Palm Floral Co. are sporting fancy new delivery horses.

Messrs. Stuart and Haugh of Anderson, Ind., attended the State Florists' meeting on Tuesday. I. B.

MUSKOGEE, OKLA.—The finishing touches in the building of the big greenhouse at Hyde Park were completed May 25 and the structure turned over to painters and decorators. The new greenhouse is one of the largest in Eastern Oklahoma and has a vast space under glass. W. H. Mitchell, formerly a superintendent of gardens in Shaw's Gardens, St. Louis, is in charge of the greenhouse.

THE AMERICAN CARNATION
Price $3.50
A. T. DE LA MARE PTG & PUB CO. LTD

The Week's Work

BY

FRITZ BAHR

A Suggestion

Of Interest to the Man Who Fills Vases and Windowboxes

As to the success your customer has with a window box or lawn vase, it depends whether you will do more or less business in this line another year. It is certain that if a window or veranda box has given satisfaction, and has been enjoyed through the Summer months by the owner, the order will most likely be duplicated another year, perhaps increased; while, on the other hand, if failure, most likely due to neglect, has been the case, the boxes will remain either empty next year or, what is often the next thing, they will be filled by someone else. It is for these reasons, and to see stock which is sold do well, that we make it a practice after the rush of the bedding season is over to have a good man go over as many window boxes and vases, as well as hanging baskets, we have at our customers grounds, within a reasonable distance from the greenhouses, and inspect them. A little good soil, as well as a few flats full of such plants as Vincas, Ivies, Lobelia, Cuphea, Geraniums, etc., are taken along. Quite frequently, we find that the soil along the edges of a box has settled and refilling is necessary. The boxes may be found too wet or, what is more likely, too dry. Attention is called to this, and in almost every case such care is appreciated by the owner. With the wire hanging baskets we often find that a few pieces of sheet moss are necessary along the rim of a basket, and a little soil, so as to allow proper watering. Here and there a plant is needed to replace a stunted or dead one. In most cases it takes just a few minutes to go to or look over a place, and I am sure that it pays in more than one way to do so.

The Stock Plants

Select a Good Number for Propagating Next Winter.

It is high time now to remind you of the necessity for taking proper care of the plants which are to be used next Winter to furnish cuttings for another bedding season. Don't allow these plants to be scattered about on the benches. Select a few good Heliotropes, Ageratums, Cupheas, Petunias, Sweet Alyssums, and such other varieties as you may make use of, give them a shift and remove them to a proper place, where they will get the care they need and deserve. There are certain plants, such as Lobelias, Begonia Schmidti and others, which are as well, if not better off planted right out, if wanted for stock —and they will lift in Fall without losing a leaf, while a Heliotrope or Petunia would severely suffer when lifted from the field in September. But what is of the greatest importance at the present time is to select what is wanted for the stock. To wait until nothing but a few dried up plants are left is wrong; and while a few of each will furnish a great number of cuttings, if taken care of, it is always better to set aside enough of them. Also shift a few Forget-me-nots and Sweet Alyssums from 2's into 3½'s—you will want them later on to plant along some Carnation bench. While there isn't a great deal of money in them, they come in most handy and we can't afford to be without them during the Winter months. When giving the Alyssums a shift pinch them back close to the pots.

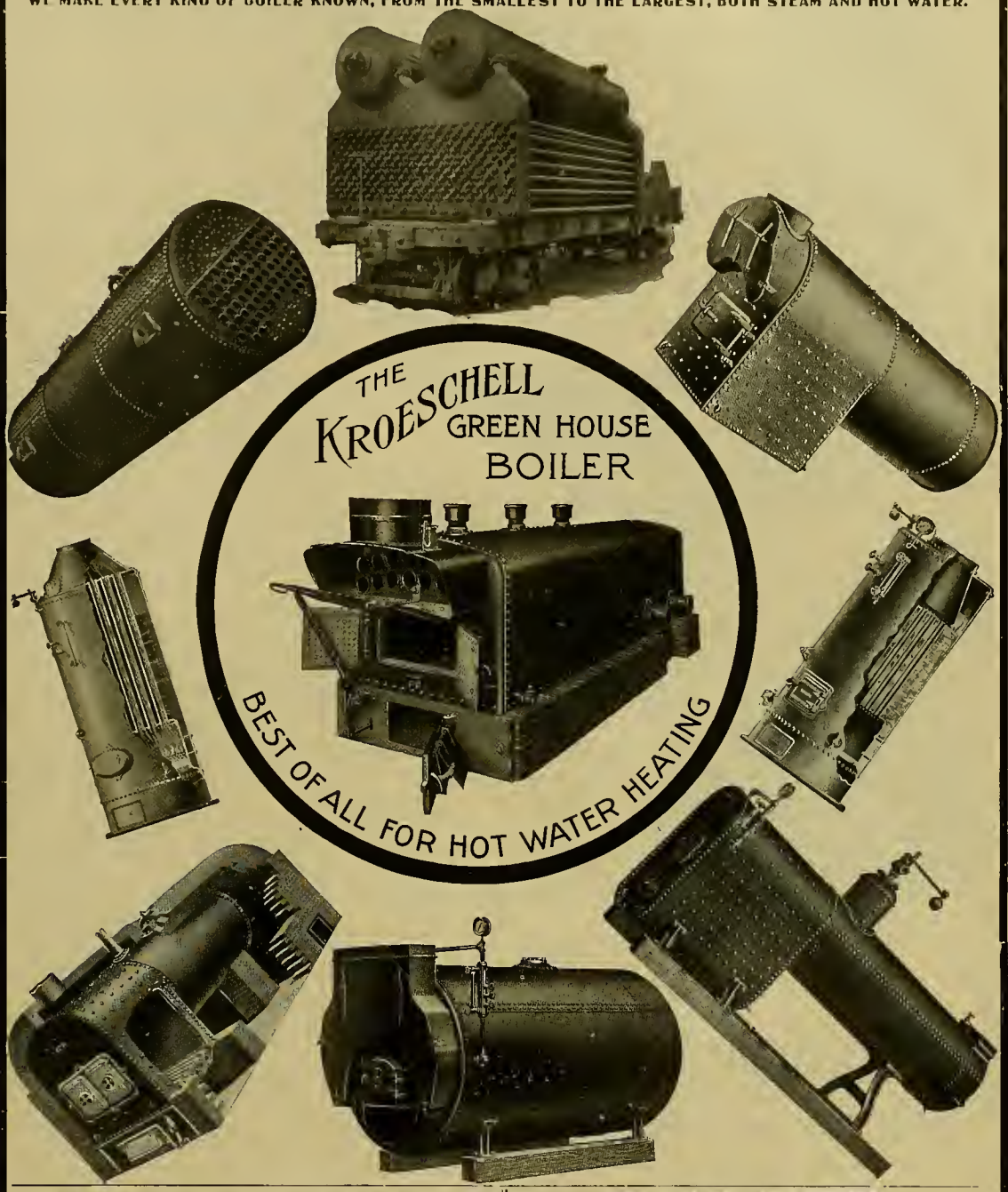
Cinerarias

Sow Now for the Early Plants

If you wish to get some extra strong plants, to bloom around Christmas, it is time to sow out seed now. One can have Cinerarias in bloom three weeks before Christmas. About seven years ago, Mr. Chas. Gebhard, of Lake Geneva, showed some magnificent specimens, in 8 in. and 10 in. pots, in full bloom at the Chicago Fall show, and while they were greatly admired by many, such plants are of but little use to the florist at so early a date, for we have so many other show flowers at that time of the year, and the Cinerarias would be almost out of place. We hardly ever sell a plant to a customer who wishes to purchase something to bloom for the house. Here and there we get a call, but not often. But as plants for the show house, the Cinerarias will always be grown by the retail florist. When purchasing your seed don't fail to get a packet of C. stellata. This is a great sort, and the lighter shades of it adapt themselves for cut flowers, and can be used for many purposes. Now, about the seed, every one will grow and germinate in about five days. Sow thinly—a trade pkt. goes quite a way when only a few plants are wanted. Don't sow out too many for this early date; rather make another sowing about July 15, for the main crop or batch to bloom during February and March, even up to Easter. Keep the little seedlings in a cool moist house, shaded a little from the hot sun during the next three months. They need good soil and plenty of water. Green fly is their worst enemy; never allow this pest to get a foot hold. Whether you use tobacco stems between the pots, fumigation, or spray with a nicotine solution, act in time and thereby avoid the appearance of this pest.

Take our Advice on Boilers

WE MAKE EVERY KIND OF BOILER KNOWN, FROM THE SMALLEST TO THE LARGEST, BOTH STEAM AND HOT WATER.



There is no boiler in the world today that can compare with our 1910 Model Greenhouse Boiler for hot water heating. The Kroeschell Greenhouse Boiler was installed to heat over 9,000,000 square feet of glass during the past four years, and it replaced over 1500 cast iron boilers in the short period of six years.

We have no agents; all boilers sold direct to the user—you save the dealer's profit.

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KROESCHELL GREENHOUSE BOILER
Honestly rated—and burns hard coal—soft coal, gas or wood.

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Gives more pressure than others, and holds it.

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Better than 1¼-in., 1½-in., 2-in., or 4-in. cast iron pipe.

Send for Catalogue.

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Please mention the Exchange when writing.

Dracaena Indivisa

Time to Sow Seed of this Valuable Vase Plant

Among the seeds to be sown this month you had better include some Dracæna indivisa, that is, if you have a call for the filling of vases or rustic tubs for lawn decorations or cemeteries. While there is a demand occasionally for a Phœnix, Latania or some other decorative foliage plant suitable for the center, there isn't anything quite as graceful as the old Dracæna indivisa, and more plants of it than ever are used for that purpose. Years ago, we sold quite a few of them for house plants, but the number of useful Palms and other foliage plants grown for house use caused the Dracænas, at least the indivisa type, to take a back seat. But for an ideal vase plant, whether expensive or cheap filling is desired, they will head the list. You will not be able to use any of the plants grown from seed sown now next Spring, they will be too small. The seedlings may either be grown on in pot during the second Summer, or

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Are you going to build a **Sash Bar, Semi-Iron Frame** or **Iron Frame Greenhouse?** We have interested others in our methods of construction and in our prices—why not you?

ISAAC CASSIDY,
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A. HERRMANN
Manufacturer of Floral Metal Designs
IMPORTER AND DEALER IN FLORISTS' SUPPLIES
FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK
Office and Warerooms: 404, 406, 408, 410, 412 East 34th St. Write for new catalogue

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PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, etc.
Send for Circulars **DILLER, CASKEY & KEEN.** Successors to JENNINGS BROS.
S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

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See the Point of
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.
FULL SIZE No 2

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GREENHOUSE GLASS
ALL SIZES
16x24 A. & B. Double a Specialty
C. S. WEBER & CO.,
10 Desbrosses St., New York

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SUMMER IN WINTER
BY USING
Standard Greenhouse Boilers
Ous cant gets our catalog.
GIBLIN & CO., Utica, N. Y.
Please mention the Exchange when writing.

planted out in the field and potted up in September. Kept over Winter in a cold house they will be ready for use the following Spring. The best plants are those grown entirely in pots; while they don't grow as rank as field plants, and on that account do not make such large plants, they grow more graceful in shape, which is a point to be considered, especially where moderate sized vases are a rule. Sow now, and pot the little grass-like seedlings into 2's as soon as large enough to handle, using a light sandy soil.

Marguerites

Preparing for Next Season's Stock

The flowers we get from the plants from now on until Fall don't amount to very much, they are usually short stemmed and small and on that account of little value when there are so many other things to be had. But we must not forget to prepare a stock, not alone to furnish flowers next Winter, but also a few plants for cuttings. For both these purposes field culture during Summer may be made use of to advantage. Plant any left over stock out, allowing plenty of space between the plants so as to keep them short and bushy. They will make excellent stock by next October, when they can be lifted and potted up. Some prefer pot culture, and for that purpose small stock, in 2½'s, giving a shift now into 4's, and properly attending to the plants so that they want for nothing, especially water, will make good stock, ready to furnish long stemmed flowers by October. The Daisies are what we are liable to term a cheap flower, and yet a good many dollars worth of them can be cut from a small batch during the Winter months. They are useful for almost any occasion where flowers are wanted, customers never seem to grow tired of them. Every retail grower should have a few plants of both the white and yellow varieties at hand. The time to get ready for next Winter is now—don't overlook the Marguerites.

Dahlias

Good Results from Late Planting

We are getting the last of the dormant Dahlias to the field. A few years ago we would have considered it wrong to plant out so late in the season. It was customary to look up the Dahlias and Gladiolus the first chance offering and plant them out, and while we do so with a small portion of the stock yet the bulk goes out later. It is too bad that the men located in the middle West, who grow for the Chicago market, have not more success with Dahlias as a whole. I inspected a field of them last September, belonging to one of our large growers, and while not all, yet most of the varieties planted out were newer sorts, such as planted in the East, and again near Denver, Col., where they had proved to be great bloomers, no sign of flowers could be noticed in that field. The stock was healthy, not over-grown, but plants which appeared to be in first-class condition in every respect. This same trouble is yearly experienced by many of us, whether we plant in clayey or light soil, or grow the plants from the old tubers or from cuttings—it doesn't seem to make a bit of difference. It is always better to have a label on each new sort, so one may know where to find it. One thing, however, we found by experience and that is that the late planting gives us better plants for blooming than the others, for such plants don't make their heavy growth before the cool nights of August come, while the others which make a good start during May and June get a set back during the hot weeks of July and early August.

A COMPLIMENT TO MR. FRITZ BAHR
"I receive more information from your writings in the EXCHANGE than from all other sources combined."
Name and address on application.

SPRINGFIELD (L. I.) N. Y.—A. F. Johnson has recently rented the Cox Farm, formerly a portion of the Mills Estate, a triangular shaped plot of some four acres. Mr. Johnson will plant about an acre of his new acquisition to flowers, such as Asters and early Chrysanthemums; the balance to vegetables, utilizing intensive farming methods so far as possible.

CONCRETE BENCHES
CHEAPER AND MORE DESIRABLE THAN WOOD.
ANY WIDTH—ANY LENGTH.
PERMANENT—NO REPAIRING.
PATENTED SYSTEM ALLOWS ANY AMOUNT DRAINAGE DESIRED.
WILSON-HOYT CO.
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NEW YORK

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MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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Greenhouse Material
STRICTLY RED GULF CYPRESS, milled to any detail.
SASH, BARS, in all lengths up to 32 feet.
HOT BED SASH a specialty.
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Wishing to do business with Europe should send for the
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This is The British Trade Paper being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. As the H. A. is a purely trade medium applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address
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That we manufacture Steam and Hot Water Boilers.
That we contract for and erect Heating Apparatus.
That we make a specialty of curing defective apparatus.
That our staff of Heating Engineers is reliable and competent
That our Mechanics—pipe fitters—boiler makers, etc., are all first-class.
That it will pay you to get our suggestions and estimates.

ESTABLISHED NEARLY 50 YEARS

JOHN A. SCOLLAY

74-76 Myrtle Ave. Borough Brooklyn New York City

U. G. SCOLLAY, Manager L. D. Telephone, 1492 Main

Please mention the Exchange when writing.

The Heating of Greenhouses

by a practical heating man, with years of experience, should appeal to you; and he should be the proper man to install this important part of your plant.

CHARLES H. DODD, Heating Engineer

576 to 580 Ocean Avenue, JERSEY CITY, N. J.

Cast Iron or Steel Boilers, Pipes, Valves, Fittings.

Estimates, Plans and Layouts.

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GLASS

Higher Prices Sure
Save on Construction or Repairs
Buy now. Write us for prices.

SHARP, PARTRIDGE & CO.

Long Distance Phone Canal 880

CHICAGO, ILL.

Please mention the Exchange when writing.

Washington, D.C.

The past week marked one of the most disagreeable in the history of June weather, with low thermometer and heavy rains. This being the height of the commencement season, trade was brisk accordingly, and, additionally, there were quite a few good wedding orders sent out by the various stores. The unseasonable weather has hurt a good many bedding plants, and at this date there is a good demand for such stock, but, so far as can be learned, the local supply is exhausted. One local grower stated he had never seen such a scarcity at this season, nor greenhouses so thoroughly emptied. There has also been an unusually good demand for young Roses this season, and while many continue to buy the cheap Holland grown Roses from the department stores, there are wiser ones who have learned by sore experience, the greater advantages of the home grown Roses, hence the yearly increasing demand for same.

W. R. Grey, the enterprising grower of Oakton, Va., is sending in some very fine Valley, which is eagerly sought. This is a slight departure from the usual mail order business conducted by Mr. Grey, but, like all else he has undertaken, is proving a success.

JAS. L. CARBERY.

Detroit

Locally, we have just finished a very busy week, which produced some astonishing effects in wedding decorations and commencement bouquets. There was nothing especially large or boastful but it was mostly medium priced work done very neatly.

During the last few days Carnations have been accumulating to an alarming extent. Iris and Gladioli are not appreciated enough to be considered as a marketable flower at this time. Peonies are yet of great scarcity and many an order is lost because of it; on the other hand Cape flowers seem to take better than in former years and sell well as corsage bouquets, either alone or combined with Mignonette or Sweet Peas. At some funerals very pretty wreaths of Galax, Cape flowers and red Roses could be seen.

The annual excursion of the local Board of Commerce caused a regular florists' convention at the dock before the boat sailed. Sullivan's, Breitmeyer's and Bemb's all had a share in decorating the boat or certain staterooms, and several hundred Beauties and many choice Palms went along on the trip.

Fred Bertermann of Indianapolis is in the city attending the Skat Players' Convention.

B. Schroder is the proud possessor of a new auto delivery wagon, very neatly painted in brown colors.

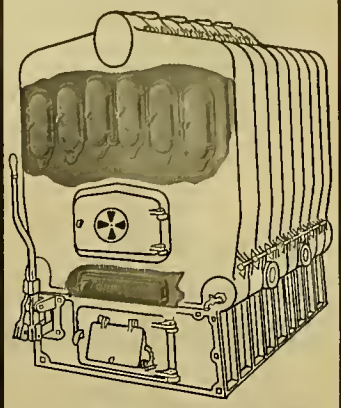
G. Pault, formerly with Chas. Plumb, who has just recently bought the greenhouse plant of the late Andrew Ferguson, reported a surprisingly good Memorial Day trade.

Wm. Gowanlock, formerly a bookkeeper in a local lumber yard, has returned home to take up his father's business, who died a short time ago as a consequence of a street car accident.

FRANK DANZER.

Prices Advertised in these Columns are for THE TRADE ONLY

The Burnham



Every flue has its own separate clean-out door—you can clean any flue at any time with any fire.

Do not warp out of shape like big doors and affect the draft.

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IRVINGTON, N. Y.
New York Boston Philadelphia Chicago

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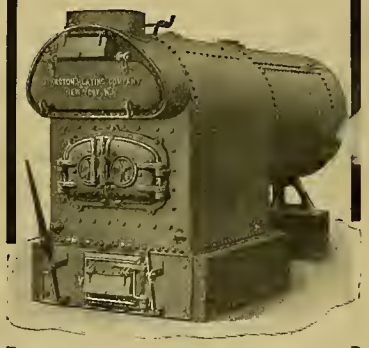
Steam and Water



The Most Economical and Efficient Boiler for Greenhouse Heating

JOHNSTON HEATING CO.
138 East 31st St., New York

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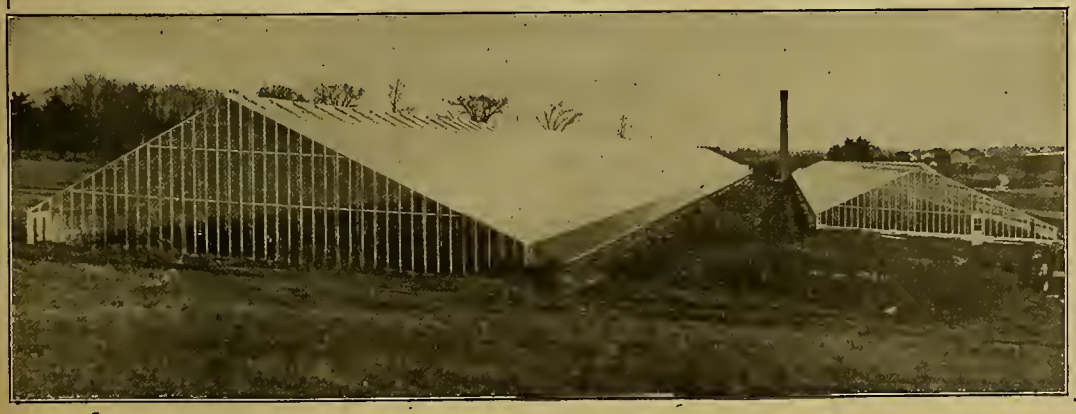
We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.



The A. T. Stearns Lumber Co.

NEPONSET, Boston, Mass.

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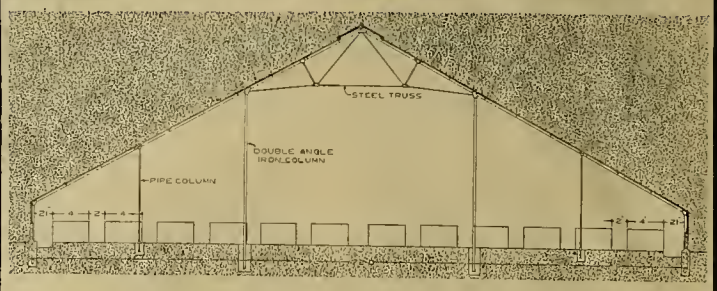
REPAIR TIME

Replace the old wooden gutter with the modern

King Channel Gutter

Any width glass.
Drip pan to take condensation.
Roof water carried down posts.
Malleable sash bar clips.
Best VALLEY GUTTER on market, and prices; write for BULLETIN No. 26, mailed on request
"Ask the man who has one."

KING CONSTRUCTION CO., NORTH TONAWANDA, N. Y



A HOUSE 72 FEET WIDE

Last week we showed you a house 60 feet wide, having but two columns, and now, true to our promise made then, here is a 72 "footer" with only four columns. Two of these are of angle iron, joined back to back, making a support that is much lighter in appearance than a pipe column its equal in strength. The side columns are 2 inch pipe.

The steel truss stiffens the long span of the frame between the angle iron columns. No net work of trussing, however, is necessary between the iron rafters.

The side posts are Guaranteed Wrought Bar Iron which are bolted to the iron rafters at the eaves by a double gusset plate.

There are twelve four foot benches.

If it is a wide house you want, give its construction the very careful consideration it deserves. The proper supporting of these wide roof spans demands a skilful greenhouse engineering knowledge, combined with long building experience. What does the guarentee of a firm having but little experience amount to, if your house eaves in and your labor and crop are lost? Let's get together and talk these matters over.

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Greenhouse Material

Should always be made of the very best Cypress, free of all sap or defects. Any old thing won't do for a Greenhouse, and you will find that a few dollars saved on the first cost is always spent several times over for repairs, later on. We have been making the good kind of Greenhouse Material for forty years, and if you want to start out right this year, don't buy from the local mill—it doesn't pay. We can furnish everything ready to set in place and will give you plans free with the order.

Send for our Catalogs:
No. 4—Greenhouse Materials
No. 5—Boilers
No. 6—Pipe and Fittings

John C. Moninger Co., Chicago

906 East Blackhawk Street

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JOHN A. PAYNE

Horticultural and Heating Engineer

Payne "T"-Bar Greenhouses

For Private and Commercial purposes.
Send for Circulars and Estimates

260-274 Culver Ave., JERSEY CITY, N. J.

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Evans Improved Challenge

Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

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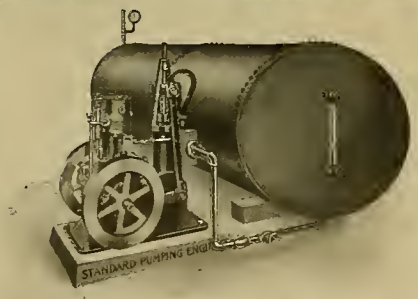

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is the water supply obtained with

A STANDARD PNEUMATIC WATER SUPPLY SYSTEM or A STANDARD PUMPING ENGINE

used with or without a tank. A few cents worth of gas or gasoline will give you plenty of water every day at **High Pressure** just when you want it.

Send for our catalogue.

THE STANDARD PUMP & ENGINE CO., 19 Michigan Avenue, Cleveland, Ohio

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FOR GOOD SERVICEABLE

SECOND-HAND PIPE

with couplings, guaranteed to be better than you can get elsewhere:
Our prices are—1-in. pipe, $2.25; 1¼-in., $3.08; 1½-in., $3.75; 2-in., $5.00; 2½-in., $8.00; 3-in., $10.50; 4-in., $15.00 per 100 feet. We also sell Boiler Tubes at low prices.

ALBERT & DAVIDSON
BROOKLYN, N. Y.
Tel. 2225 Williamsburg 68-70 Troutman St

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The Florists' Supply House of America

Thanking our many patrons for the largest volume of Memorial Day trade that we ever had; we will at the same time remind them that **June Weddings, School and College Commencements** are close at hand. We have every requisite for such occasions, and the variety and quality of our supplies is unexcelled. **Fancy Flower Baskets, Fancy Lace Bouquet Papers, Chiffon in all Flower Colors, Wedding Gates, Kneeling Stools, etc.**

ALL OTHER SUPPLIES IN ABUNDANCE. FOR SEND OUR NEW CATALOGUE

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THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

The American Seed Trade Convention at Atlantic City, N. J.

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous Plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXIX. NO. 26 — NEW YORK AND CHICAGO, JUNE 25, 1910 — One Dollar Per Year

Amherst Mass.

NEPHROLEPIS

Bostoniensis. We have a splendid lot of large specimen plants in 12-in. pots, at from **$5.00** to **$7.50** each; 6-in. at **50c.** each.

Elegantissima Improved. The finest of this type, never reverting to the Boston type. Fine plants, 2¼-in. pots, **$10.00** per 100; 4-in., **25c.** each; 6-in., **50c.** each; 8-in., **$1.00** each.

Superbissima. Extra heavy plants, 4-in. pots, **25c.** each; 6-in., **50c.** each; 8-in., **$1.00** each.

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	Per 100
ABUTILON Savitzi, 2¼-in. pots	$4.00
ACALYPHA Musaica, 2¼-in. pots	6.00
AGERATUM, three sorts, 2¼-in. pots	3.00
ALTERNANTHERAS, three sorts, 2¼-in. pots	3.00
ALYSSUM, SWEET, 2¼-in. pots	3.00
ASTERS, assorted, 2¼-in. pots	3.00
CANNAS, finest sorts—**Beaute de Poitevine, Buttercup, Souv. d'Antoine Crozy, Pierson's Premier,** and **Florence Vaughan,** strong plants, 3½-in. pots	6.00
COBEA Scandens, 2¼-in. pots	4.00
COLEUS, Golden Bedder, Verschaffeltii and asorted, 2¼-in. pots	3.00
CROTONS, assorted, 3½-in. pots	25.00
GERANIUMS, Dbl. assorted and Rose, 3½-in. pots	8.00
GERANIUMS, Mme. Salleroi, 2¼-in. pots	8.00
HELIOTROPE, 2¼-in. pots	3.00
MOONFLOWER, 2¼-in. pots	4.00
NASTURTIUMS, assorted, fine, 3-in. pots	4.00
PETUNIAS, 2¼-in. pots	4.00
SALVIA Splendens, 2¼-in. pots	3.00
VINCA variegata, 3½-in. pots	8.00
HYDRANGEA Otakea, 4-in. pots, in bud and bloom, one bloom per plant, $1.50 per dozen.	
EGG PLANTS, New York Improved	4.00

F. R. PIERSON CO.

Tarrytown-on-Hudson — **NEW YORK**

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A. N. PIERSON, Inc. Cromwell, Conn.

BEGONIA GLOIRE DE LORRAINE

2¼-inch pots, $15.00 per 100.

GARDENIAS

3-inch pots, $15.00 per 100; 4-inch pots, $25.00 per 100.

POINSETTIAS

2¼-inch pots, $8.00 per 100, $75.00 per 1000.

COLEUS

Golden Bedder, Golden Queen, Verschalleltii, Queen Victoria, Fire Brand and Beckwith's Gem, 2¼-inch pots, $2.50 per 100; $20.00 per 1000.

HELIOTROPE **AGERATUM**
SALVIA **ALTERNANTHERA,** red and yellow
2¼-inch pots, $2.50 per 100; $20.00 per 1000.

OWN ROOT STOCK

150 **Kaiserin,** 2¼-inch pots, at $45.00 per 1000. 750 **Ivory,** 2¼-inch pots, at $45.00 per 1000. 250 **'Maids,** 3-inch pots, at $50.00 per 1000.

We offer **Killarney** and **Richmond,** 2-year-old plants in 6-inch pots, at $25.00 per 100, excellent for outdoor use. **Killarney** from benches, 2 years old, at $10.00 per 100; $90.00 per 1,000.

CHRYSANTHEMUMS

From sand and from pots in quantity

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ASPARAGUS PLUMOSUS NANUS

Good Heavy Strings

50 Cents Each

W. H. ELLIOTT

BRIGHTON, MASS.

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To be Disposed of Quick

A No. 1 in Every Respect

			100	1000
10,000	COLEUS, Golden Bedder	3-in.	$3 00	$25.00
8,000	" Verschaffeltii	3-in.	3.00	25.00
8,000	" Golden Bedder	2-in.	2.00	17.50
7,000	" Verschaffeltii	2-in.	2.00	17.50
10,000	" In Variety	2-in.	2.00	17.50
2,000	CINERARIA MARITIMA CANDIDISSIMA	3-in.	3.00	25.00
4,000	" " "	2-in.	2.00	17.50
30,000	CANNAS, Eisele, Egandale, Louisiana, Florence Vaughan, etc	3-in.	3.00	25.00
1,000	GIANT DOUBLE ALYSSUM	2-in.	2.00	17.50
25,000	ALTERNANTHERA, Red and Yellow	2-in.	2.00	17.50
1,000	ABUTILON SAVITZII	2-in.	3.00	25.00
3,000	LEMON VERBENAS	2-in.	2.00	18.50

Cash or C. O. D. Inspection Invited. Satisfaction Guaranteed.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

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Contents and Index to Advertisers, Page 1109

Round, Green Painted Plant Stakes

	Per 100		Per 100
1½ feet Light Stakes	$0.80	4 feet Light Stakes	$4.35
2 " " "	1.55	5 " " "	5.10
2½ " " "	2.25	3 " Heavy Stakes	4.25
3 " " "	2.90	4 " " "	5.75
3½ " " "	3.85	5 " " "	7.25
		6 " " "	8.75

5 ft. long x 5/8 in. dia.
4 ft. x 5/16 in. "
3½ ft. x 5/16 in. "
3 ft. x 1/4 in. "
2½ ft. x 5/16 in. "
2 ft. x 3/8 in. "
1½ ft. x 5/16 in. "

Cold Storage Lily of the Valley Pips	$15.00 per 1000
Thompson's Special Chrysanthemum Manure	$6.00 per bag of 56 lbs
Rustic Hanging Baskets	14-inch, $1.50 each $15.00 per doz.
Clay's Fertilizer	$3.25 per bag of 56 lbs.
Scotch Soot	$3.50 per bag of 100 lbs.
Bamboo Canes	6-8 feet $7.00 per 1000
Tobacco Dust	$2.00 per 100 lbs.
Nitrate of Soda	$4.00 per 100 lb. bag
Rubber Hose	4 ply $9.00 per 100 feet

WM. ELLIOTT & SONS

42 Vesey Street, NEW YORK

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BODDINGTON'S QUALITY

Christmas-Flowering Sweet Peas

FOR IMMEDIATE DELIVERY

	Oz.	¼ lb.	½ lb.	Lb.
Boddington's Snowbird (Pure White)	$0.20	$0.75	$1.25	$2.00
Boddington's Christmas Pink	.10	.40	.75	1.00
Boddington's Christmas White	.15	.50	.85	1.50
Mrs. E. Wild (Carmine)	.15	.50	.85	1.50
Mrs. Geo. Lewis (White-waved)	.15	.50	.85	1.50

New crop of all other Winter-flowering varieties ready in August.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., N. Y. City

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June is the Best Time to Sow Cinerarias

RAWSON'S BEAUTY CINERARIAS

BOTH TALL AND DWARF, EVERY PLANT A PRIZE WINNER.

Trade Package $1.00

W. W. RAWSON & CO., Seedsmen

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CALLAS

Free from disease, carefully selected, sand grown bulbs.

We have the best lot of Callas grown in California this year

Write for prices

MacRORIE-McLAREN CO.

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Nitrate of Soda 5 lbs. 25c., 50 lbs. $2.25, 100 lbs. $4.00, ton (2000 lbs.) $65.00.

Blood Fertilizer Fourteen per cent. ammonia. Excellent for carnations. 10 lbs. 60c., 50 lbs. $2.50, 100 lbs. $4.00.

Clay's Celebrated Fertilizer On account of the high reputation which this fertilizer has in England, and as we have had many inquiries for it by gardeners here, we have imported some from Messrs. Clay & Son, which we offer at the following prices. It is undoubtedly one of the best manures for all horticultural purposes, either in greenhouse or garden, and we believe its high reputation is well deserved. It is productive and lasting, and notwithstanding its apparently high price, it is quite economical. Prices, in bags, 1 cwt. (112 lbs.) $5.50, ½ cwt. (56 lbs.) $3.25, ¼ cwt. (28 lbs.) $1.75, ⅛ cwt. (14 lbs.) $1.00.

General Use Bone This bone is ground to about pinhead size, with a fair percentage of flour bone, and, where a high grade bone for immediate and continuous use is wanted, would advise using this grade. 50 lbs. $1.50, 100 lbs. $2.50, ton $40.00.

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IMPROVED CHINESE

Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 500 seeds, $1.00; 1000 seeds, $1.50; half pkt., 50c. Have the varieties separate, also.

PRIMULA OBCONICA GRANDIFLORA, Finest New Giants Mixed, 1500 seeds, 50c.

PRIMULA Kewensis, the grand, new, sweet-scented, Yellow Primrose, pkt. 25c.

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CINERARIA Finest large-flowering dwarf, mixed, 1000 seeds, 50c.

GIANT PANSY The best large flowering varieties, critically selected, 6000 seeds, $1.00; half pkt., 50c.; oz., $2.50. 500 seeds of Giant Mme. Perret Pansy Seed added to every $1.00 pkt.

CASH. Liberal extra count.

We can please you.

JOHN F. RUPP, SHIREMANSTOWN, PA.

RUPPTON: The Home of Primroses

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Send me your lists for quotations.

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Seedsmen and Florist

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NEW YORK

Telephone, 2019 Cortlandt

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ROUTZAHN SEED CO.

Arroyo Grande, Cal.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of Full List of

Flower and Garden Seeds

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Import Orders

FRENCH AND DUTCH BULBS

Paper White Narcissus

Roman Hyacinths

Dutch Hyacinths

Tulips and Narcissus

Let Me Figure on Your Wants

CYCAS STEMS

Assorted Sizes—Fresh

25 lb. lots at 8c. a lb.; 100 lb. at 7½c.

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VAUGHAN'S SEED STORE

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Choice Mixed, Trade pkt. $1.00. If you want something extra choice, give this strain a trial; it cannot be excelled.

WEEBER & DON

SEEDSMEN and GROWERS

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Prices Advertised in these Columns are for THE TRADE ONLY

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BETTER THAN EVER. 1000 Seeds, 30c.; 2000 Seeds, 50c.; 5000 Seeds, $1.00; Per Oz., $5.00

This **Matchless Strain** is the product of the leading English, French and German Pansy Specialists, and absolutely unexcelled in size, form, texture and wide range of rich colors and markings

Quotations cheerfully given on High Grade French and Dutch Bulbs.

Kindly send in your list of Bulbs and let us get better acquainted.

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Strong and Durable. For Lilies, 'Mums, Gladioli, etc.

Natural Color, 6 feet, 65 cents per 100; $5.00 per 1000; $39.00 per 2000.
Dyed Green, 2 feet, 35 cents per 100; $2.50 per 1000.
Dyed Green, 3 feet, 50 cents per 100; $3.00 per 1000.

Ask prices on all Forcing Bulbs Fall Delivery.

H. H. BERGER & CO.
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"BUDS"

76 Barclay St, NEW YORK

Important to Florists:

New crop of High Grade Flower Seeds just arrived, (especially selected for Florists' use).

CARL R. GLOECKNER, Pres.

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BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

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WINTER FLOWERING SWEET PEAS

ALL COLORS.
SEND FOR LIST

ANTON C. ZVOLANEK, Bound Brook, N. J.

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CAULIFLOWER SEED
CABBAGE
MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.
COPENHAGEN, DENMARK

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SCHLEGEL & FOTTLER CO.
BOSTON, MASS.
SEEDS
For Florists, Market Gardeners and Critical Buyers
Wholesale list mailed to those using seeds in quantity

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RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
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Tel. 4235 Gramercy NEW YORK CITY

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—GROWER and DEALER—
Hempstead, L. I.
NEW YORK

Choice Seeds
For Gardeners, Truckers and Plant Growers
Long Island Cabbage Seed, Cauliflower, Egg, Pepper, Tomato, Etc.
Price Lists Free' Quality Finest Wholesale and Retai

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Try The Following

CINERARIA—Extra Choice Mixed.
CYCLAMEN—Persicum Giganteum.
MIGNONETTE—"New York Market."
STOCKS—"Burnett's Perpetual White.
CAULIFLOWER—Burnett's Selected "Snowball."
BURNETT'S LIBERTY TOMATO

Write for our Illustrated Catalogue

BURNETT BROS.,
Importers and Growers
72 Cortlandt St., New York City
Telephone 2223 Cortlandt

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SEEDS and BULBS

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103 Federal Street
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JACKSON, MICH.
Contract Seed Growers
BEAN, CUCUMBER, TOMATO, Radish, Pea, Muskmelon, Squash, Watermelon, Sweet Corn
Correspondence Solicited.

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Seasonable Seeds for the Florists
H. E. FISKE SEED CO., Boston, Mass.

Please mention the Exchange when writing.

Asparagus Plumosus Nanus
NEW CROP—GREENHOUSE GROWN
100 Seeds.....$0.50 500 Seeds.....$2.00
1000 Seeds.....$3.50

SPRENGERI, 25c. per 250 seeds, 75c. per 1000 seeds, $2.75 per 5000 seeds.

Our Flower Seed Catalog free on application

THE MOORE SEED CO., 559 Market Street PHILADELPHIA, PA

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

F. E.—Best Advertising Medium

AMERICAN SEED TRADE ASSOCIATION

President, J. C. Robinson, Waterloo, Neb.; first vice-pres., M. H. Duryea, New York; second vice-pres., F. W. Bolgiano, Washington, D. C.; sec.-treas., C. E. Kendel, Cleveland, O.; asst.-sec., Leonard H. Vaughan, Chicago. **28th Annual Convention at Atlantic City, N. J., June 21, 22 and 23.**

American Seed Trade Association

This week, at Atlantic City, N. J., was held the 28th Annual Convention of the American Seed Trade Association.

This meeting, from all reports, has been a very successful and interesting one and included the presentation of some remarkable papers on various subjects appealing closely to seed trade interests.

On Friday, the delegates were entertained by W. Atlee Burpee & Co. at their Fordhook Farms, Doylestown, Pa. A very full report of the meeting of the Association will be found in these columns up to the time of going to press.

IMPORTS, ETC.—June 13.—C. A. Haynes & Co., 7 cases plants; Maltus & Ware, 30 cases live plants; J. M. Thorburn & Co., 5 bags garden seed.

SALT LAKE CITY, UTAH.—The Great Western Seed and Produce Co. has been incorporated with a capital of $3000. The officers of the company are: Peter Frost, president; Alvin Johnson, vice-president; Avern R. Poulton, secretary and treasurer.

KINZERS, PA.—John S. Weaver of the Glen Mawr Seed Farms will leave early in July on a southern trip. He expects to purchase several thousand acres of land along the Patuxent River, southern Maryland, where his concern will engage in bulb, vegetable and flower seed growing on a large scale. It is also under prospect that large areas in Peaches and other fruits will be planted.

European Notes

Everything appears to be upside down this year, and one hardly knows how to summarize the situation in any other way. Generally speaking, the districts upon which we rely the least are those which at present appear to be the most promising; while, in spite of every care, in the quarters upon which we have always relied for the best results failure only is found.

The inevitable result of the persistent northeast winds during May is already in evidence in the alarming development of sickness and vermin in our growing crops. Take Beet and Mangel as illustrations of this. Readers of these notes have learned already how badly the roots suffered during the Winter and of the consequent limited acreage planted. Ig-

All successful men are optimistic.

They are diplomats, and real diplomacy is just plain, good, horse sense.

In buying your bulbs, reason, use your common sense. Whether you buy from us or not, buy the best and insist upon getting it.

If you want, write us for prices before ordering.

RALPH M. WARD & CO.
12 WEST BROADWAY
NEW YORK
"Not How Cheap—But How Good"

Please mention the Exchange when writing.

Thorburn's Bulbs

We Are Booking Orders Now For Harrisii, Formosum, and other Japan Lilies; also for Roman Hyacinths and Paper White Narcissus.

French Grown Pansy Seed
at reduced prices.

	Per ounce
Snow Queen	$0.75
Orchid-flowered	1.00
Masterpiece	1.00
Fire King	.60
Emperor William	.50
Fairy Queen	.50
Peacock	.50
Bugnot	1.50
Yellow Trimardeau	.75
White Trimardeau	.75

By mail on receipt of remittance. Not less than an ounce sold at ounce rates.

J. M. THORBURN & CO.
Seedsmen
33 Barclay Street, NEW YORK

Please mention the Exchange when writing.

RUSH ORDERS

Flower Seeds, Market Garden and Field Seeds, all kinds of Tender and Hardy Plants, Tuberoses, Dahlias, Gladioli, Small Fruits.

RUSH ORDERS

JAMES VICK'S SONS
ROCHESTER, N. Y.

Please mention the Exchange when writing.

HIGH GRADE SEEDS

	Per Oz.	Trade Pkt
Hollyhock, Allegheny, mixed	$0.50	$0.10
Hollyhock, Charters, sep. colors or mixed	.50	.10
Hollyhock, Everblooming, New Strain	.60	.10
Primrose, Chinese, Prize Strain.		.25
Cineraria, Sutton's Prize Strain..		.25
Mignonette, Imperial Strain, greenhouse grown	3.00	.25
Pansy Giant, the best of all....	3.00	.25
Calceolaria, Dwarf Giant		.25
Stocks, Beauty of Nice, etc.		.25

IMPERIAL SEED & PLANT CO., Greoge, BALTIMORE, MD

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Gladiolus Clearance

Gladiolus planted now will produce a late crop of blooms when the other fellow hasn't any. We offer till sold the following in sound dormant condition.

	100	1000
2300 Brenchleyensis	$0.75	$5.00
600 Shakespeare	3.00	
3000 Groff's Hybrids	1.00	7.50
4000 White and Light	1.00	7.50

250 AT 1000 RATES.

ARTHUR T. BODDINGTON, SEEDSMAN, 342 West 14th Street, New York City.

Please mention the Exchange when writing.

SEED PANSY SEED

Brown's Improved Giant Prize Pansies. The finest strain of Pansies in the market, surpassing all other strains as to variety of colors and size; they are unsurpassable, many being 3½ inches in diameter. **My own grown seed, new 1910 crop ready.**

MIXED SEED—3000 seeds **$1.00**; ¼ ounce **$1.50**; ½ ounce **$2.50**; ounce **$5.00**; ¼ pound **$14.00**; ½ pound **$25.00**; pound **$50.00.**

SEPARATE COLORS—Giant Yellow with dark Eye, same price. Plants ready September 1st. Cash with order.

PETER BROWN, PANSY SEED GROWER 124 Ruby Street, LANCASTER, PA.

Please mention the Exchange when writing.

Pansy Seed NEW CROP NOW READY

The Jenologs Strain, my own growing, saved only from the finest selected flowers. This strain is 50 per cent. better this season, as I have added many new and beautiful varieties, and am certain it will prove highly satisfactory.

Finest Mixed, $1.00 per package of 4000 seeds, $2.50 per ½ oz., $5.00 per oz., $9.00 per 2 oz., $12.00 per 3 oz.

Andromeda, new Apple blossom color, veined lilac and lavender, $1.00 per pkt. of 2000 seeds, $6.00 per oz., $3.00 per ½ oz.

Lord Beaconsfield, $2.00 per oz., $1.00 per ½ oz., ½ pkt. 50c.

I have several thousand small Pansy plants, just commencing to bloom, fine for all Summer blooming, $1.25 per 100; sample blooms send for 10c. Cash with order.

E. B. JENNINGS
Lock Box 254 SOUTHPORT, CONN.
Grower of the Finest Pansies

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

noring that which has since been destroyed by renewed floods and which cannot possibly revive, we find the best plants are simply smothered with the "Pousseron" which is sucking the life blood out of the plants and destroying all possibility of the production of well developed seed. Washing with Nicotine will perhaps minimize the mischief, but the low prices now paid for these articles do not admit of the necessary outlay. Some of the richer growers will do this to retain their clients, but the majority cannot afford it and simply bow to the inevitable.

Contracts for these articles will not be accepted except at a great advance in price, and in face of the complete exhaustion of the stock, and the natural desire to grow sufficient to carry over a year's supply, it may safely be affirmed that not more than one half of the quantity ordered can possibly be arranged for. This is a gloomy outlook; the reality is much worse and it is as well to face it as to bury our heads in the sand.

In Onion we are faced with a double disaster. First of all, the bulbs rotted immediately they began to grow, and now the mildew has attacked the stems in a terrible fashion and much of the seed that may eventually be produced will be worthless.

The Southern growers report that, all things considered, Cabbage is the most promising of their crops, but this is counterbalanced by failures in the North.

Of Carrot it is too early to speak with confidence, as the moist advanced fields are already attacked by the worm. It is possible that crops growing in the outside districts may make up part of the deficiency.

C. P. Braslan is one of the earliest arrivals from your side.

Theodore Roosevelt, having instructed Europeans in the way they should go, has packed up his big stick and departed.

EUROPEAN SEEDS.

American Notes

The June Business

In no year has the seed trade, taking every line of goods handled as a whole, experienced a more satisfactory general business than this season, when everything is considered. In some sections of the country the continued cool and rainy weather has, of course, more or less retarded vegetation but, on the other hand, such adverse growing conditions have resulted in the retail sales of seeds lasting very much longer than is usual. In fact, counter sales in a retail way, for everything sold by the seedsmen, have held well right up to the present time and consequently, the wholesale seedsmen have been busy with many filling-in orders much later this season than is customary, which, taken altogether, has rounded up a most satisfactory June for all.

June may be called the last month of the seedsmen's seed selling Spring, and it is the time when the seedsmen sell a little of everything. It is not so very many years ago when the Spring seed selling season was supposed to end at Memorial Day. Gradually, this condition has changed until now June is one of the best months we have for retail sales and it does much toward rounding out the large totals of business which of late years have been accomplished. It is always a difficult matter to compare corresponding months from one year to another when speaking of the seed sales of any particular locality or section, as the local conditions are always varying; but for the whole country, the reports are from every section that the entire Spring seed selling season now closing has been the best in years. At the closing of the season last year, the writer made a careful investigation of the stocks of seed remaining on hand and the result of such investigation was that not in over a decade had the general line of seed stocks been sold out so closely. This same condition applies to the present situation. Good seed stocks are very low, and, of course, this will affect prices for the future in continuing their present high level of values.

There is one feature of the ending month of the Spring season that is especially worthy of note, and that is the perfectly enormous quantities of both decorative, flowering and vegetable plants that the seed trade has disposed of. It was thought last year that the seedsmen had made wonderful gains in this direction but the business of a year ago does not compare with the quantities that have been handled this season, and this branch of the trade is certainly most pleasing to all concerned. There may not in many cases be as large a profit as would seem right in this line, but it does bring many customers for seeds proper. We are now entering the period of Summer dullness, and certainly with a most satisfied feeling regarding what has been accomplished. Employer and employee alike have worked hard, and on the whole the seed trade has every reason to congratulate itself on the result.

Peony Window Displays

It is well worthy of note that during the last two or three weeks many of our seedsmen, in the larger cities especially, have taken advantage of the Peony flowering season to decorate their show windows with these cut flowers. There have been many very elaborate displays made, in connection with which the enterprising firms making them have been

COW PEAS

All Varieties in Any Quantity, from a bushel to car lots.

J. BOLGIANO & SON
BALTIMORE, MD.

Please mention the Exchange when writing.

The Dearest Place in the United States
Pansy Crop of 1910

My Pansies are my specialty, and they have a National reputation. Every Florist who has them, praises them, from Maine to California.

	Tr. pkt.	Oz.
Special Mixture for Florists	$0.50	$5.00
The Woodhaven Mixed	.10	10.00
Genuine Mme. Perret, gold medal	.50	5.00
Lord Beaconsfield	.25	2.50
Lord Beaconsfield, Giant	.50	5.00
Parisienne, large stained	.50	5.00
Trimardeau Mixed	.25	2.50
Trimardeau, Giant yellow, black-eyed	.25	2.50
Choice Mixed	.20	10.00
Superior Mixture	.25	20.00
Odier, Cassier, Bugnot	.25	4.00
Germania Ruffled	.50	5.00
Falaise, Boulogne	.50	
Excelsior, large stained	.50	
La Brillante	.50	
Pretoisa	.50	
Striped Panaches	.50	
Separate colors, large flowering,		
Pure White Giant	.50	5.00
Black Centre	.25	2.50
Snow Queen	.25	2.00
Pure Yellow	.25	2.50
Sky Blue, La Perfectuelle	.25	2.50
Ultra-Marine Blue	.25	2.50
Violet, French Florist Variety	.25	2.50
Victoria, red	.25	2.50
Meteor, mahogany	.25	2.50
Black Faust	.25	2.50
Coquette de Poissy, Cattleya	.50	5.00
Half-Bronze Originale	.50	5.00
Fulgore, copper color	.50	5.00
Peacock Eye, reddish	.50	5.00
Marguerite	.25	5.00
Cecile Davy	.25	4.00
The Paon Peacock	.50	5.00
Bordé Blanc	.50	5.00
Trego, silvery-white	.50	5.00
Adonis, light blue-eyed	.50	5.00
Indigo, very large	.50	5.00
Ar-en-ciel, Rainbow	.50	5.00
Daisy, giant red, new	.50	
Daisy, giant pink	.50	3.00
Daisy, giant mixed	.50	3.00
Daisy, double white, or Snowball	.25	2.00
Daisy, double, Longfellow	.25	2.50
Daisy, double, Mixed	.20	2.00
Daisy, double, red quilled	.25	
Daisy, double, Mixed	.25	
MYOSOTIS, Dwarf Victoria	.50	3.00
PRIMULA, Cowslip, mixed	.25	3.00

	Oz.	Lb.
LETTUCE, Improved Big Boston; does not get red; a great seller	$0.50	$5.00
LETTUCE, Big Boston, black-seeded	.50	5.00
RADISH, Scarlet Globe		.50
RADISH, National		.50
SPINACH, Glory of France, new variety, very large, extra		.20
SPINACH, Victoria, French selected		.20
SPINACH, Savoy-leaved, selected		.20
SPINACH, Genuine Viroflay, selected		.20
ONION, Beaulieu's Hardy White	.20	2.50

Other seeds at market prices.

BEAULIEU, Woodhaven, N. Y.

Please mention the Exchange when writing.

Gladioli

Brenchleyensis, May, Ceres, Isaac Buchanan, LaMarck and Pactole.

LILIES, IRIS, CINNAMON VINES and other bulbs for Spring planting.

Send for prices.

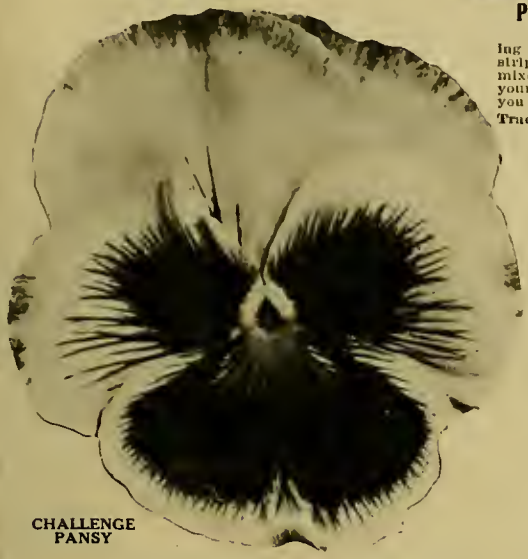
E. S. MILLER
WADING RIVER, LONG ISLAND, N. Y.

HEADQUARTERS FOR GLADIOLI and Other Bulbs

JOHN LEWIS CHILDS
FLORAL PARK, N. Y.

Please mention the Exchange when writing.

PANSY SEED TIME



CHALLENGE PANSY

PANSY—BODDINGTON'S "CHALLENGE"—ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy— the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c.; ⅛-oz., 75c.; ¼-oz., $1.50; ½-oz., $2.75; oz., $5.00.

	Tr. pkt.	¼ oz.	Oz.
Giant Rosy Lilac	$0.16	$0.50	$2.00
Giant Pretiosa. Crimson-rose, white margin, violet blotch	.16	.60	2.00
Giant White. Violet spot, the largest white	.10	.50	1.50

CHOICE VARIETIES OF GIANT PANSIES

	Tr. pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved Mammoth-flowering and in good range of color	$0.15	$0.60	$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors	.15	.86	3.00
Cassier's Giant. A fine strain of large highly colored flowers	.16	.86	3.00
Giant Bugnot's Stained Exhibition. Extra choice flowers, large and plenty of light colors	.60		
Giant Madam Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades	.15	.86	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes	.15	.86	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue	.15	.60	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color is a deep golden yellow and each petal is marked with a dark blotch	.15	.86	3.00
Giant Orchidaeflora, or Orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra-cotta, chamoise, etc.	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye	.16	.60	2.00
Giant Golden Yellow. Yellow, brown eye	.25	.75	2.50
Giant King of the Blocks (Faust). Black	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch	.16	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye	.25	.75	2.50

ARTHUR T. BODDINGTON, Seedsman, 342 WEST 14th STREET NEW YORK

Please mention the Exchange when writing.

ROEMER'S SUPERB PRIZE PANSIES

The finest strain of Pansies in the World. Introducer and Grower of all the Leading Novelties. Highest Award, at Mannheim 1907. Catalogue free on application.

FREDRICK ROEMER
Quedlinburg, Germany.

Please mention the Exchange when writing.

Turnip Seed

WE have a good supply in spite of crop shortages, and would be pleased to quote with samples.

THE BARTELDES SEED CO. LAWRENCE, KANSAS.

Please mention the Exchange when writing.

Sweet Potato Plants

A large stock of Sweet Potato Plants now ready. YELLOW NANSEMOND, BIG STEM JERSEY, and EARLY GOLDEN, 1000, $1.25; 10,000, $10.00.

H. AUSTIN CO.
FELTON, DELAWARE

Please mention the Exchange when writing.

Cabbage Plants

All-Head, Succession, Second Early, Early Summer, Flat Dutch, Surehead, Danish Round and Ball-Head, at 20 cents per 100, $1.00 per 1000; 10,000 and over at 85 cents per 1000.

Celery Plants

White Plume, Golden Self-Blanching, Giant Pascal, Golden Heart, and Boston Market, 20c. per 100, $1.00 per 1000, 10,000 and over 85c. per 1000.

Egg Plants

Black Beauty and New York Improved, 40 cents per 100, $2.00 per 1000.

Pepper Plants

Bull Nose, Ruby King, and Sweet Mountain, 40 cents per 100, $2.00 per 1000.

Cash with order.

R. VINCENT, Jr. & SONS CO.
WHITE MARSH, MD.

Please mention the Exchange when writing.

F. E.—Best Advertising Medium

booking a large number of orders for both Fall and next Spring's deliveries of the roots. Advantage should be taken by the trade of the blooming of the various flowers during the Summer season, as nothing will tend better to increase sales, not only in the particular line of the flowers displayed but in the general line of plants and nursery stock as well. The buying public is fast being educated to purchase everything from the seedsmen in the line, not only of seeds but plants and nursery stock as well, and the more this state of things can be encouraged the more satisfactory will be the general totals of business in every direction. Too much care and attention cannot be given to the window displays during the Summer.

V.

New York Seed Trade

At last the advent of Summer heat has put an end to most of the counter trade. Of course, it is now time to expect quiet business. Bedding plants are still selling, and so are some vegetable plants, but as with this week the auction sales for these begin to end, it will not be long now before sales in this direction are quiet also. Our seedsmen will next be taking stock and getting ready for the annual vacations.

From present indications there will be a very small percentage of large sized Calla bulbs in the contract deliveries this season.

Leonard Sutton of Sutton & Sons, London, Eng., while here a couple of weeks ago visiting A. T. Boddington (Mr. Boddington is the New York representative for Messrs. Sutton & Sons' seeds), was taken by Mr. Boddington to inspect several of the representative estates in this vicinity. Mr. Sutton was very much impressed with what he saw.

The Stumpp & Walter Co., in connection with their recent displays of Peonies, have been distributing a special list of Peony roots and taking many orders for future deliveries.

Much interest is being manifested in the coming exhibition of the National Sweet Pea Society of America, to be held early in July in this city. Our seedsmen feel that the meetings and exhibitions of this new Society will give great impetus to the sales of Sweet Pea seed. Speaking of the exhibition of this Society, the special prizes recently offered by J. M. Thorburn & Co., Stumpp & Walter Co., John Lewis Childs and Sutton & Sons of London, Eng., have been very much appreciated.

Vaughan's Seed Store has issued its special Import List of French and Dutch bulbs.

The F. O. Pierce Co., manufacturers of Mastica, have decorated their store at 121 West Broadway with a gorgeous window box, running the whole length of the building. This window box, which is some thirty feet in length is filled in the best manner and attracts much favorable comment.

With every day that passes more enthusiasm is manifest among the seed trade in the New York Florists' Club's Outing, and surely many of the craft will attend this annual bean feast and games on June 28.

The Aphine Manufacturing Co. of Madison, N. J., report that it is having excellent success with the small size cans of Aphine, recently put upon the market.

Our seedsmen, without exception, report that advance inquiries and orders for potted Strawberry plants are larger this year than for many seasons.

J. M. Thorburn & Co. are making special offers of their new crop of French-grown Pansy seed.

Wm. Elliott & Sons have experienced an unusually active demand for rustic work and hanging baskets this season.

Henri Beaulieu, seedsman, of Woodhaven, N. Y., sailed for France per S. S. La Lorraine on Thursday, June 23. Mr. Beaulieu expects to be gone for four or five weeks, and is visiting France for the purpose of cementing acquaintances with his growers there, his trip being essentially a business one. Mr. Beaulieu's address while abroad will be, Beaulieu, seedsman, à Creteil, Seine, Paris.

Philadelphia Seed Trade

The seedsmen now are busy taking inventory of stock. A few seeds are going out, such as Spinach for late planting; also Turnip and Millet, Cow Peas and Crimson Clover; and Stowell's Evergreen Corn still moves well. Cow Peas, which in some years have sold from $1 to $1.50 per bushel, are now selling at from $3.50 to $4 per bushel, and are moving fairly well at those seemingly prohibitive prices; even Crimson Clover, which is soaring around the $10 mark, meets with some sales.

Frederick J. Michell, Sr. has returned from a business trip among the seedsmen of Wilmington, Washington, Baltimore, Richmond, etc. He reports good sales, and an enjoyable trip. He is just now featuring, at 518 Market st., garden hose and sprinklers and all appliances for garden and lawn, and is offering the first potted Dahlias observed.

In the window of the H. F. Michell

Raffia

We are positively Headquarters for two best grades—bales or ten bales.

Samples free.

CHICAGO or NEW YORK,

Vaughan's Seed Store

Please mention the Exchange when writing.

Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

P. C. Trade Mark

American Spawn Co., St. Paul, Minn.

Please mention the Exchange when writing.

FLORISTS' ASTERS

Field-grown—Separate colors

CREGO, White, Shell-Pink and Rose.
SEMPLE'S, Purple and Lavender.
$2.50 per 1000 by express;
50c. per 100 by mail.

Cash with order.

A. & G. ROSBACH, Pemberton, N. J.

Please mention the Exchange when writing.

ASTER PLANTS From seed saved of blooms that showed no centre. Late Branching, white, purple, blue, lavender and pink, separate. Blooms in September. Ostrich Feather, finest of the Comet type, blooms in August. Four best colors in mixture. Field plants, 400 by mail or 500 by express for $1.00. Large lots of Late Branching, $1.75 per 1000. Cash.

DANIEL K. HERR, Lancaster, Pa.

Please mention the Exchange when writing.

A1 STOCK ASTERS, best varieties, transplanted, $5.00 per 1000; DRACAENA Indivisa, 4 inch, $16.00 per 100; IVY GERANIUMS Mixed, 2½ and 3 inch, $2.60 and $6.00 per 100; GERANIUMS, S. A. Nutt and Standard Varieties, 4 inch, $8.00 per 100; ASPARAGUS SPRENGERI, 4½ inch, $8.00 per 100; GERMAN IVY, 3 inch, $6.00 per 100; COLEUS, Golden Bedder and Verschaffeltii, 2 inch, $2.00 per 100; CANNAS from flats, Commercial Varieties, $4.00 per 100; VERBENAS, 2½ inch, $2.50 per 100.

F. C. RIEBE, Webster, Mass.

Please mention the Exchange when writing.

Aster Plants

Semple's Branching and Queen of the Market, fine plants from field, $1.75 per 1000.

GERANIUMS, HELIOTROPES and SCARLET SAGE, in bloom, out of 4-in. pots, $4.00 per 100.

ALYSSUM, VERBENAS, DUSTY MILLER, PHLOX, PRIMULA Obconica, 2½-in., $2.00 per 100; 300 for $5.00.

CABBAGE and TOMATOES, all kinds, $1.00 per 1000, $8.00 per 10,000.

PEPPERS, SWEET POTATOES and BRUSSELS SPROUTS, $1.50 per 1000.

CAULIFLOWER, Early Snowball, $2.50 per 1000.

J. C. SCHMIDT
BRISTOL, PA.

Please mention the Exchange when writing.

Peacock's

PEERLESS DAHLIAS

FIELD ROOTS, Jack Rose, Fringed 20th Century, Rose Pink Century, Virginia Maule, Big Chief, $3.50 per doz., $25.00 per 100. Best cut flower sorts, $1.00 per doz., $5.00 per 100.

PEACOCK DAHLIA FARMS
Williamstown Junction, N. J.

Please mention the Exchange when writing.

Readers will confer a favor upon us of more than passing value if, when ordering stock of our advertisers, they will mention seeing the advt. in the Exchange.

PANSY SEED ORDERS BOOKED NOW

MICHELL'S GIANT PRIZE STRAIN

Our Giant Prize Paneles ehould not be compared with the ordinary Giant Trimardeau, as the seed we offer will produce flowers of much heavier texture.

	Tr. pkt.	Oz.
Giant Prize Azure Blue	$0.40	$1.50
" " Black Blue	.40	1.50
" " Emperor William	.40	1.50
" " Hortensia Red	.40	2.00
" " Lord Beaconsfield	.40	1.50

	Tr. pkt.	Oz.
Giant Prize Snow Queen (pure white)	$0.40	$1.50
" " White, with Eye	.40	1.50
" " Pure Yellow	.40	1.50
" " Yellow, with Eye	.40	1.50

MICHELL'S GIANT EXHIBITION MIXED. A Giant Strain which we have secured from the leading Pansy Specialists in England, Germany and France, which for size of bloom, heavy texture, and varied shades and colors, cannot be excelled. Trade pkt. 50 cents, 75 cents per ⅛ ounce, per ounce $5.00.

Our Summer Wholesale List of Seeds, Bulbs, etc., free for the asking.

HENRY F. MICHELL CO., 10th and Market Sts. **Philadelphia, Pa.**

Please mention the Exchange when writing.

TRADE LIST

CLEMATIS paniculata, strong plants, $10.00 per 100.

ASPARAGUS Sprengeri, 2-in. pots, $2.00 per 100; 2½-in. pots, $3.00 per 100.

ASPARAGUS Sprengeri, 3-in. pots, $5.00 per 100.

PASSIFLORA coerulea, 3-in. pots, $5.00 per 100.

ALTERNANTHERAS, four varieties, 2-in. pots, $2.00 per 100.

ROSE GERANIUMS, 3-in. pots, $4.00 per 100.

CHRYSANTHEMUMS, Golden Glow, White Cloud, and Pacific Supreme, 2½-in. pots, $3.00 per 100.

CLEMATIS Vitalba, strong, seedlings $1.00 per 100; $8.00 per 1000. This is a very useful and fast growing variety of Clematis, bearing long sprays of sweet scented white flowers.

Plants from 2¼-in. pots, $3.00 per 100: **ACHYRANTHES; PARLOR IVY; COLEUS,** Verschaffeltii, Queen Victoria, Quatricolor; **SALVIA** Bonfire.

HONEYSUCKLE, WOODBINE. Plants, from 4-in. pots, $1.50 per doz.

SALVIA Bonfire, fine plants, from 3-in. pots, $4.00 per 100.

MOON VINES, 3-in. pots, $4.00 per 100.

C. EISELE

11th & Westmoreland Sts., PHILADELPHIA, PA.

Please mention the Exchange when writing.

SALVIA BONFIRE

Fine, Strong, Stocky Plants, $2.00 per 100. Cash with order.

E. B. JENNINGS

LOCK BOX 254 **Southport, Conn.**

Please mention the Exchange when writing.

SALVIAS

Bonfire and Splendens, fine strong plants, in bud, 2-4 in., $2.50 per 100.

CANNAS; HELIOTROPE; LEMON VERBENAS, 12-20 shoots; **GERANIUMS** in bud and bloom, Nutt, Buchner, Grant and Poitevine, strong 3½-in., $6.00 per 100; Mme. Sallerol, 2-in., $1.50 per 100; 3-in., $2.50 per 100; **COLEUS,** Red, Yellow and Mixed, strong 2-in., $1.50 per 100. Cash.

WM. S. HERZOG, Morris Plains, N. J.

Please mention the Exchange when writing.

DAHLIAS

We are growers of the very best, have a large collection to select from. Send for prices.

DAVID HERBERT & SON

ATCO, N. J.

Please mention the Exchange when writing.

COLEUS

Verschaffeltii and Victoria, 2-in., strong, transplanted stock, $1.75 per 100, $16.00 per 1000; Rooted Cuttings of same varieties, $5.00 per 1000. Cash please.

RUDOLF NAGEL, Lancaster, Pa.

Please mention the Exchange when writing.

COLEUS

Crimson Verschaffeltii, Golden Bedder and Assorted, $1.50 per 100.

GERANIUMS: Nutt, Poitevine, Doyle and Others, 3-in. pots, $3.00 per 100.

SALVIAS, HELIOTROPES, FEVERFEW, 2-in. pots, $2.00 per 100; 3-in., $3.00 per 100.

AGERATUM GURNEY, VERBENAS, 2-in., $1.50 per 100.

ASTERS, PHLOX and **SINGLE STAR PETUNIAS;** 2-in. pots, $1.00 per 100.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Please mention the Exchange when writing.

DON'T GET LEFT

Coleus!!! Coleus!!!

Verschaffeltii and Golden Bedder, 2¼-in. pots, $2.00 per 100; **Rooted Cuttings** of the same, $6.00 per 1000; **Rooted Cuttings** in variety, $5.00 per 1000.

Geraniums!! Geraniums!!

Our Selection, 3-in. pots, $5.00 per 100; 4-in. pots, $6.00 per 100.

Cash with order.

J. E. FELTHOUSEN

154 Van Vranken Ave., SCHENECTADY, N. Y.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Co., 1018 Market st., may be seen the handsome silver loving cup offered by this company as a prize in the "Sneak Box" class in the races of the Sea Side Yacht Club, to be sailed July 4. The company is featuring Araucarias, Ferns and Aster plants this week.

Henry A. Dreer is showing this week some blooms of Rambler Roses, namely, Lady Gay, Dorothy Perkins, Hiawatha, and Newport Fairy.

Philadelphia is this week full of out of town seedsmen, on their way to the convention at Atlantic City. Among these may be mentioned Burnett Landreth, Jr. of D. Landreth Seed Co., Bristol, Pa.; Harry Holmes of the Holmes Seed Co., Harrisburg, Pa.; Francis Brill, Hempstead, L. I., N. Y.; and James Hoyt of Jerome B. Rice Seed Co., Cambridge, N. Y.

The Philadelphia seed companies will be represented at the Seed Convention as follows: Henry F. Michell Co., by Henry F. Michell; the Michell Seed House by Frederick J. Michell, Sr.; Henry A. Dreer, by J. O. Thilow, John Ruppert and J. S. Hay; The Johnson Seed Co., by Mr. Johnson; the Moore Seed Co., by Mr. Moore and three of his employees; and the Stokes Seed Store by by Geo. A. Atkinson.

The Johnson Seed Co. will offer this year a fine line of Celery plants, such as Myers' White Plume and Johnson's Paris Blanching for early, and Columbia and Manhattan for late.

David Rust is representing the D. Landreth Seed Co. in and about Philadelphia.

W. Atlee Burpee & Co. have sent out invitations for a visit to Fordhook, by special train on Friday, June 24. This was so arranged as to accommodate guests from New York as well as Pennsylvania, New Jersey, etc.

Fraud Charges Dismissed

In our issue of April 23 mention was made that Jacs Smits, florist of Naarden, Holland, was under arrest in New York charged with presenting false consular invoices on importations of Blue Spruce, Japan Maples and Rhododendrons, the customs authorities contending that the invoice value was too low. We are pleased to say that the charges have been dismissed, and Mr. Smits fully exonerated.

A New Eschscholtzia

Another promising variety of Luther Burbank's being grown on trial at Floradale (Lompoc, Cal.), is a selection from the native E. Californica, and possesses combinations of coloring quite difficult to describe, says Mr. Lonsdale. "As nearly as I can put it it is a very rich orange brown and should prove as popular as the new Poppy."

A New Oenothera

Œnothera Burbanki, purchased by W. Atlee Burpee & Co. from Luther Burbank in 1909, is another new plant on trial at Floradale (Lompoc, Cal.). It is said to be the largest and most magnificent white Œnothera ever seen, and if introduced in 1911, as seems now to be quite possible, it will doubtless create quite a sensation.

A New Poppy

The new Poppy which was purchased in 1909 from Luther Burbank by W. Atlee Burpee & Co., and which is now being grown at the Floradale (Lompoc) ranch in California is a combination of the Shirley, the Tulip Poppy and a species found in the mountains of North Africa. It is described by Edwin Lonsdale, resident manager at Floradale, as a very promising variety, being a vast improvement over the very best Shirleys he has ever seen. The color combinations are most beautiful, consisting of all the gradations of cherry crimsons and pinks with no conflicting shades whatever, imparting a most charming color effect. Another distinctive feature in this new Poppy is the reversal of markings of the parti-colored flowers, in that instead of the white margins on the petals which is one of the principal characteristics of the Shirley selections, the base of the petals is white and the edges of same are pink colored, these details, with the crimped effect, giving them a grace which, so far as his knowledge goes, no other flower possesses. It should prove a valuable acquisition.

If this new Poppy does as well in the Burpee Eastern trial grounds it will be introduced in 1911.

To Stop Free Seed Distribution

An effectual way to put a stop to free seed distribution as at present conducted:

Return all packages of seeds received by you to the Senator or Congressman sending same, with the simple statement that if he repeats the offense he will lose your vote in the future.

If even a small percentage of those receiving these packages of common garden seed would pursue this policy, Congressmen and Senators generally would quickly awaken to the fact that their favors (?) were not appreciated. We know of no course to pursue that would bring about the desired results half as quickly as here indicated.

Seedsmen and the agricultural press could do much toward the conducting of an active campaign along these lines, with results that the public, coming to an understanding of the pettiness and ineffectiveness of the distribution would, through their action in returning the packets, quickly convince our lawmakers of the undesirability of their gifts.

Advertising Matter Received

BENJ. HAMMOND'S PAINT & SLUG SHOT WORKS, Fishkill-on-Hudson, N. Y. —Blotters, with the information printed thereon that Currant or Gooseberry bushes affected with Currant worms should be dusted with Slug Shot at the base just as soon as the early leaves show nicely; even if one waits until the bush is full-leaved and the Currant worm is active on the bush, Slug Shot will be found the most effective, economical and safe article to use.

SPECIAL OFFER

We will give one copy Plant Culture and The Florist's Exchange two years, all for $3.00.

Plant Culture

NEW, THOROUGHLY REVISED EDITION. JUST PUBLISHED

By Geo. W. Oliver, Propogator to the Bureau of Plant Industry, U. S. Department of Agriculture

Printed on enamelled paper and illustrated with one hundred plates and engravings. Strongly bound, 12 mo., cloth. By mail postpaid, **$1.50**

A WORKING handbook of every day practice for the Florist and Gardener, and those who intend to grow plants and flowers, in the greenhouse or garden, as a means of obtaining a livelihood. Each and every article is written in concise, simple language, and embodies wholly and solely the experience of the writer.

The plants dealt with comprise those which are commercially handled by Florists, Gardeners and Nurserymen, and include Florists' Flowers, Stove and Greenhouse Plants, Hardy Herbaceous Plants, Annuals, Shrubs, Hardy and Tender Vines and a chapter of General Directions, covering Propagation, Seeds, Grafting, Hybridization, etc.

This reliable cultural work has been gotten up for use, not ornament; therefore the price has been fixed at a figure within the reach of all. It contains more real practical information for those for whom it is intended than is found in much more pretentious works.

Send for sample pages, free.

A. T. DE LA MARE PRINTING AND PUBLISHING CO., Ltd.

Offices, 2 to 8 Duane Street, N. Y. Address P. O. Box 1697, New York City

ROSES

Own Root, Fine Stock

Killarney, Perle, Sunrise and Sunset, $8.00 per 100. Richmond and Chatenay, $7.00 per 100. Bride, Bridesmaid, Carnot, Golden Gate and Kaiserin, $6.00 per 100.

GRAFTED, Fine Stock

My Maryland, 3-in., $10.00 per 100. Bride, Bridesmaid, Carnot, Enchantor, Golden Gate, Kaiserin, La France, Mrs. Jardin, Rhea Reid, Uncle John, Wootton, strong 1 year, grafted, 3-in. pots, $15.00 per 100; strong 1 year, own root, $8.00 per 100. This stock is fine for planting outside.

CHRYSANTHEMUMS

Mrs. Clay Frick, Golden Dome, Golden Glow, Mlle. A. Lamont, Money Maker, White Shaw, Yellow Eaton. Rooted Cuttings, $2.00 per 100, $15.00 per 1000.

A. J. Balfour, Autumn Glory, Ada Spaulding, Chillingfordii, Dr. Enguehard, Dorothy Devens, Early Snow, Glory Pacific, Harry May, H. W. Rehman, Ivory, Jeanne Nonin, J. E. Lager, J. K. Shaw, Maud Dean, Meta, Mrs. Jerome Jones, Miss Alice Byron, Mrs. Dner, Mrs. R. McArthur, Maj. Bonnaffon, Nagoya, Polly Rose, Riverside, Robt. Halliday, Timothy Eaton. 2¼-in. pots, $3.00 per 100, $25.00 per 1000.

10,000 CANNAS, 30 fine varieties, from 3½ inch pots, fine stock $6.00 and $8.00 per 100.

MISCELLANEOUS PLANTS

Ready for Immediate Sales.

	Size Pots	100
ALYSSUM	2¼	$3.00
ACHYRANTHES, 5 sorts	2¼	3.00
AGERATUM Blue and White	3¼	3.00
AGERATUM, Blue and White	3½	4.00
AMPELOPSIS Veitchii	3	8.00
ASPARAGUS Sprengeri	3¼	4.00
ASPARAGUS Plumosus	3¼	4.00
ASPARAGUS Plumosus	3	8.00
BEGONIA Erfordi, Pink and White	2	3.00
BEGONIA Crimson Bedder	3	4.00
BEGONIA Flowering Sorts	3	6.00
BEGONIA, Flowering Sorts	3½	2.00
CUPHEA Platycentra	3¼	3.00
COLEUS, All leading sorts	2¼	3.00
COLEUS, All leading sorts	3	4.00
DRACAENA Indivisa	5	25.00
FEVERFEW, Double White	2¼	3.00
FORGET-ME-NOTS	2¼	3.00
FUCHSIAS, Dble and Single	2¼	3.00
GERANIUMS, Dble and Single	3½	7.00
Special Varieties	3½	6.00
Double and Single	2¼	3.00
Fancy-leaved	3½	8.00
HELIOTROPE, Light and Dark	2¼	$3.00
IMPATIENS Sultana	3¼	4.00
IVY, GERMAN	2¼	3.00
LANTANAS in variety	3	5.00
LOBELIAS, New Double Blue	3¼	4.00
LOBELIA, New Double Blue	3	5.00
MOONVINE, True White	2¼	4.00
PETUNIAS, Dreer's Single Fringed	2¼	3.00
SALVIAS, Splendens and Bedmann	4	6.00
Splendens and Bedman	2¼	3.00
SMILAX, strong	3	3.00
STEVIA compacta	2¼	6.00
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TRADESCANTIA	2¼	3.00
SWAINSONA alba	2¼	4.00
TROPAEOLUM, Double	2¼	4.00
VIOLETS, Marie Louise	2¼	3.00
VIOLETS, Prince of Wales	2½	4.00

Send for Catalog.

WOOD BROTHERS, FISHKILL NEW YORK

Please mention the Exchange when writing.

Unheard of Prices

The stock given below is all first-class in every respect. We need room to plant out our large stock of Ferns. Send your orders in and we know you will be satisfied with the plants we send you.

AGERATUM, exceptionally fine, beautiful tall and dwarf varieties, 3 in., $1.50 per 100, $12.50 per 1000.
NASTURTIUMS, 3 in., $1.25 per 100, $10.00 per 1000.
CANNAS, Mme. Crozy, Florence Vaughan, Queen Charlotte, Mme. Berat, Pillar of Fire, A. Bouvier, Pres. McKinley, Chas. Henderson, 4 in., strong, 12 in. to 18 in., $4.00 per 100, $40.00 per 1000.
COLEUS, Golden Bedder, Queen Victoria, Fire Brand, Butterfly, etc., 2½ in., fine strong stock, $1.25 per 100, $10.00 per 1000.
DRACÆNA INDIVISA, beautiful, clean stock, 18 in. to 2 ft., 5 in. pots, $1.50 per doz., $10.00 per 100.
DRACÆNA INDIVISA, 6 in. pots, perfect beauties, $2.00 per doz., $15.00 per 100.
GERANIUMS, Mad. Landry, S. A. Nutt, A. Ricard, J. Viaud, 4 in., strong in bud and bloom, $4.50 per 100, $40.00 per 1000.
HELIOTROPE, beautiful stock, 3 in., strong, $1.50 per 100, $12.50 per 1000.
MARIGOLDS, very strong, 3 in., $1.50 per 100, $12.50 per 1000.
MAD. SALLEROI, 2½ and 3 in., very fine, bushy stock, $1.50 per 100, $12.50 per 1000.
PARLOR IVY, 3 in., $1.50 per 100, $12.50 per 1000.
PERIWINKLE Var., 4 in., strong, $4.50 per 100.
PERIWINKLE Var., extra strong, $6.50 per 100.
SCARLET SAGE, 4 in., extra strong, $4.00 per 100.
SCARLET SAGE, 3 in., strong, $2.00 per 100.
VERBENAS, strong, 3 in., $1.25 per 100, $10.00 per 1000.

Cash with order, please!

THADDEUS N. YATES & CO., MT. AIRY, PHILADELPHIA, PA.

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Vincas=Vincas=Vincas

2,000 VINCA VINES

$2.00 per hundred, $18.00 per thousand.

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DRACAENA INDIVISA A Fine Stock In All Sizes. 4 in., 10c. and 12c.; 5 in., 20c. and 25c.; 6 in., 35c.
SCOTTII FERNS, 6 in., 40c. & 50c. each; 4 in., 15c. each; and 2¼ in., $4.00 per 100.
COCOS WEDDELLIANA, 2¼ in., 10c. each, $9.00 per 100.
ASPARAGUS PLUMOSUS, 2¼ in., strong, $3.00 per 100; 4 in., $10.00 per 100.
SALVIA BONFIRE, 2¼ in., $2.50 per 100.
TABLE FERNS, in nice assortment, bushy stock, $3.00 per 100.

HENRY WESTON, Hempstead, N. Y.

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FERNS MY SPECIALTY

Adiantum Cuneatum, best Maiden Hair Fern for cut fronds, 2¼-in., $3.50 per 100, $30.00 per 1000.

FERN SEEDLINGS

Over Million and a Half of Fern Seedlings, strong, healthy stock, now ready for potting; assortment of 15 Best Varieties for Fern Dish Filling, my selection, $1.00 per 100, $9.50 per 1000, $8.50 per 1000 in 25,000 and $8.00 per 1000 in 50,000 lots. Small orders of 100 and 200 plants can be sent by mail if desired, and postage of 10c. per 100 is remitted.

(Satisfaction and safe arrival guaranteed or money refunded.)

Assorted Ferns, for Fern Dishes, 2¼-in., $3.00 per 100, $25.00 per 1000.
Adiantum Farleyense, 2-in., $1.30 per dozen, $10.00 per 100.
Cibotium Schiedei, 2-in., $3.25 per dozen, $25.00 per 100, $240.00 per 1000; 5-in., $1.00, and 8-in., $1.75 each.

J. F. ANDERSON, Short Hills, N. J.

Fern Specialist

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PTERIS WILSONI

A few hundred fine bushy plants, in 3-inch pots, 7 cents each.

R. G. HANFORD, Norwalk, Conn.

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WE cannot book any more orders for Ferns, for delivery before July 10th.

HENRY H. BARROWS & SON
WHITMAN, MASS.

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Your Money is well spent when you advertise in THE FLORISTS' EXCHANGE

Destroying Ants and Wireworms

These pests can be cleared out by the aid of carbon bisulphide. It is dangerous on account of its fumes, and should not be allowed near a fire. The way to use this liquid, says a writer in an English journal is as follows:—Make a hole with an iron bar, for instance, about a foot deep or a foot and a half. Then pour into each hole a third of a cupful of it. Fill up the hole. Firm the earth over it, and get away from it, leaving the fumes to rise and clear out the pests by destroying them. Wherever these pests abound they may be got rid of in this way. It has been found an improvement to cover wet sacking or similar material over the earth after it has been filled in, as in this way the fumes are kept longer in the soil. The holes can be made from 1 ft. to 3 ft. apart, depending upon the nature of the infestation. It will not injuriously affect vegetable life or roots.

Indianapolis

Henry Davidson has accepted a position with Bertermann Bros. Co.

Robert Ellis is passing around two cigars to each of his friends. Mr. and Mrs. Ellis are the happy parents of a fine boy and girl.

Mr. Brenner, of the Brenner Floral Co., Shawnee, Okla., was a recent visitor.

Tomlinson Hall Market is receiving a full share of business these days. Much good material is sold early each day to the shop men through this generally accepted clearing house.

W. H. Elverson reports a good business in Indianapolis.

Alfred Brandt is sporting a new auto.

Bertermann Bros. Co. have begun the erection of a new green house at Cumberland which is to be of the same type as the others.

Homer Wiegand is busy obtaining money for the Fall flower show, to be held Nov. 7-11. The various committees have been selected by the executive staff of the State Florists' Association, and all effort is to be put forth to have a successful exhibition.

Mrs. E. A. Nelson is to leave shortly for Denver, Col., to spend the Summer.

Mrs. Edward Bertermann is spending several weeks in Detroit, Mich.

Vacations are being planned everywhere among the fraternity, and it will be but a short time until the exodus begins. I. B.

DRACAENA INDIVISA

$18.00 per hundred.
Vinca Variegata, 2¼-inch pots, **$2.50** per hundred.
Cash with orders please.

E. L. RILEY, Trenton, N. J.
R. F. D. No. 2.

Please mention the Exchange when writing.

Fern Seedlings in Flats

In best varieties, ready June 15.
20,000 KENTIA Belmoreana, in 2¼-in. pots, ready now.
Only 5000 ASPARAGUS plumosus nanus, left, 2¼-in., ready for shifting.
Prices on application.
NEW PANSY SEED READY JULY 1.

B. SOLTAU FERNERY,
199 Grant Avenue, JERSEY CITY, N. J.

Please mention the Exchange when writing.

FERNS

Assorted varieties for dishes, strong plants, from 2¼-in. pots, $3.00 per 100; $25.00 per 1000; 3-in., $6.00 per 100.
COCOS Weddelliana, strong plants, from 2¼-in., $10.00 per 100, $85.00 per 1000.
KENTIAS, 2¼-in., $8.00 per 100, $70.00 per 1000.
BEGONIA Vernon, 2¼-in., $2.50 per 100; $20.00 per 1000.
COLEUS Verschaffeltii, Golden Bedder and mixed, 2¼-in., $2.00 per 100.

FRANK N. ESKESEN, Madison, N. J.

Please mention the Exchange when writing.

DRACAENA INDIVISA

Strong, 4-inch, $10 00 per 100.
ASPARAGUS SPRENGERI, strong 2½-inch, $3 00 per 100.
ASPARAGUS PLUMOSUS, 2-inch, $2.00 per 100.

WETTLIN FLORAL CO., Hornell, N. Y.

Please mention the Exchange when writing.

Ferns in Flats

All The Leading Sorts

One hundred and ten large clumps in a flat, can be divided, ready June 1. Terms and price on application to,

EMIL LEULY, 528 Summit Avenue, West Hoboken, N. J.

Please mention the Exchange when writing.

FERNS FERNS

Assorted Ferns for Jardinieres, in 6 to 8 best varieties, good strong plants from 2¼-in. pots, at $3.00 per 100, or $25.00 per 1000.
Fern Seedlings in Flats, in 10 best varieties, each flat contains only one variety of Ferns; ready about the middle of July; price on application.

THOMAS P. CHRISTENSEN
SHORT HILLS, N. J.

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VINCA VARIEGATA

From 2 inch pots, $2.00 per 100.
Cash please.

LEONARD COUSINS, JR.
CONCORD JUNCTION, MASS.

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F. E.—The Best Advertising Medium

New England Trees and Plants

"New England Grown Means Quality"

High Grade Fruit and Ornamental Trees, Shrubs, Roses and Herbaceous Perennials

We grow everything required for Orchard, Garden, Lawn and Landscape Planting.

Catalog and Trade List on application.

The New England Nurseries, Inc.
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HOLLANDIA NURSERIES
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Koster's Blue Spruce, all sizes.
Rhododendron, select hardy varieties.

Catalogue free on demand.

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Somergem, Belgium
Special grower of High-Grade and new
Azaleas, Kentias, Araucarias, Bays, etc.

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Thousands and ten thousands, in all sizes, from straight young whips to large specimen trees.
Send for catalogue and special prices on choice TREES, EVERGREENS, etc.

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Proprietors { U. J. HEERMA VAN VOSS / H. A. M. SWELLENGREBEL

Write at once to our American Agent:

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Please mention the Exchange when writing.

Peach Trees

During the Spring of 1910 Peach Trees were very scarce; we will have a good supply of them for Fall and Spring delivery, and are prepared to enter orders now at reasonable prices.

CALIFORNIA PRIVET

We have a good prospect for next year and would like to have orders now from responsible parties with a moderate deposit.

RHUBARB

We will have some nice clumps for forcing this Fall.

Jos. H. Black, Son & Co.
Hightstown, N. J.

Please mention the Exchange when writing.

500,000 California Privet

FOR FALL OF 1910

A fine stock of 1 and 2 year plants, from 12 inches to 4 feet, will satisfy all in grade and price. Special low prices in car lots for Fall delivery; let me know your wants before purchasing.
Also a fine stock of AMPELOPSIS Veitchii, 2 years, transplanted.

CHAS. BLACK, Hightstown, N. J.

Please mention the Exchange when writing.

Nursery Stock for Florists' Trade

American Beauty
White La France
Baby Rambler Red
Baby Rambler White
Baby Rambler Pink
Crimson Rambler
Dorothy Perkins
Lady Gay
Wedding Bells

Roses on their own roots or budded, a specialty.

Fruit Trees, Ornamental Trees and Shrubs, Evergreens, Berries, and Herbaceous Plants

Write for trade list with prices

W. & T. SMITH COMPANY
64 Years GENEVA, N. Y. 600 Acres

Yellow Rambler
Cl. Victor Verdier
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Frau Karl Druschki
Killarney
Gen. Jacqueminot
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Mrs. J. Laing
Ulrich Brunner
Paul Neyron
Veilchenblau

Please mention the Exchange when writing.

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216 Jane Street
WEEHAWKEN HEIGHTS, N. J.
P. O. No. 1, Hoboken, N. J.
Just Received From Our Holland Nurseries
Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis, and H. P. Roses in the best Sorts.
PRICES MODERATE

Please mention the Exchange when writing.

PEONIES

From the Cottage Gardens Famous Collection

Send for descriptive catalogue and wholesale list.

Cottage Gardens Co. Inc.
Nurseries
QUEENS (L. I.), NEW YORK

Please mention the Exchange when writing.

PEONIES

Our Lists of One Hundred Choice Varieties For 1910 Have Already Been Mailed. Did you get your copy? If not, and if interested in Peonies, do not fail to send for one.
No finer or more healthy stock to be had, anywhere.

J. F. ROSENFIELD, Peony Specialist
WEST POINT, NEBRASKA

Please mention the Exchange when writing.

EBBINGE & VAN GROOS

Formerly THE HORTICULTURAL CO.
BOSKOOP, HOLLAND

Hardy Nursery Stock such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.
Ask for catalog.

Please mention the Exchange when writing.

Berberis, Snowball, Spirea and Other Fine Shrubs

Stock of unusual quality
Orders booked now for Fall delivery

THE CONARD & JONES CO., WEST GROVE PA.

Please mention the Exchange when writing.

Evergreens Shade Trees Shrubs Privet

100 Acres of Nursery. Ask for quotations upon your own list of wants.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Please mention the Exchange when writing.

Bay Trees—Boxwood

All shapes and sizes at lowest prices.
Write and be familiar with my bargains.

F. W. O. SCHMITZ, Prince Bay, N. Y.

Please mention the Exchange when writing.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES
WILLIAM WARNER HARPER, Proprietor
Chestnut Hill, PHILADELPHIA, PA.

Please mention the Exchange when writing.

THE NEW BLUE RAMBLER

(VEILCHENBLAU)

The Greatest Rose Novelty of the Age

Is Creating a Great Sensation and Selling Rapidly. They sell as soon as you describe them to your customers. Color a Violet Blue, perfectly hardy, free bloomer; strong, pot-grown plants, $2.50 per dozen, $18.00 per hundred, prepaid. Send your orders in at once, as our stock is limited.

T. N. YATES & COMPANY
7356 Germantown Avenue, PHILADELPHIA, PA.

Please mention the Exchange when writing.

A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy and free blooming.

Send for description and price.

ELLWANGER & BARRY
Mount Hope Nurseries ROCHESTER, N. Y.

Please mention the Exchange when writing.

ROSE PLANTS

FINE, STRONG AND HEALTHY

American Beauty, 3 inch pots	$7.00	per 100,	$65.00	per 1000
Brides and Maids, 3 inch pots	4.00	"	35.00	"
Brides and Maids, 4 inch pots, 1 year old	5.00	"	45.00	"
Smilax, 2 inch pots	2.00	"	18.00	"

Orders should be placed at once. Stock can be shipped now or when you are ready to plant.

Propagated from Prize Winning Stock, American Rose Society Exhibition, New York City, March 16, 17 and 18, 1910.

UNITED STATES CUT FLOWER COMPANY, ELMIRA, N. Y.

Please mention the Exchange when writing.

NORTHERN GROWN NURSERY STOCK

We Grow a General Assortment of
Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.

Prices Reasonable. Wholesale Trade List for the Asking

THE BAY STATE NURSERIES, North Abington, Mass.

Please mention the Exchange when writing.

THE PRICES ADVERTISED IN THESE COLUMNS ARE FOR THE TRADE ONLY

AMERICAN ASSOCIATION OF NURSERYMEN

W. P. Stark, Louisiana, Mo., President; E. S. Welch, Shenandoah, Ia., Vice-President; John Hall, Rochester, N. Y., Secretary; C. L. Yates, Rochester, N. Y., Treasurer. **26th Annual Convention at St. Louis, Mo., 1911.**

WILMINGTON, O.—G. H. Moores has resumed charge of his nursery on West Locust st., which has been operated for a year by H. E. Mitting.

DALLAS, TEX.—The Lang Floral and Nursery Co. of this city has been incorporated with a capital of $46,000. The incorporators are Otto Lang, W. W. Robinson, and A. B. Mayhew.

PIQUA, O.—Ira Carpenter has purchased an interest in the Frisch nursery on Washington ave., and hereafter the business will be conducted under the firm name of Frisch & Carpenter.

OUDENBOSCH, HOLLAND.—The Alma Nurseries are now represented in America by Leonard Oorthuys of Poughkeepsie, N. Y., except in the States of California, Oregon and Washington, where J. Meerkamp Van Embden will represent the firm, with address at Thornton, San Joaquin Co., Cal.

Pæonia Moutan Tree Peonies, as the Pæonia Moutan is called, have long been favorite shrubs in collections, but their number is as nothing compared to those of the herbaceous type. The reason is that their propagation is slowly effected, having to be done by layering, grafting or division of the plant. All the growth of a season is made in early Spring, at the same time as when it produces its flowers. It is, however, a much admired shrub, and those who propagate it for sale always dispose of all they raise.

In some catalogs this Peony is listed as Pæonia arborea, a name fitting its common one, Tree Peony, very well, but it will not do to pass it as its proper one, P. moutan.

Our Summers are very favorable to its flowering in its season, May, as it ripens its wood well, preventing the injury to its shoots in Winter, which occurs in cooler climates.

To increase it by grafting, pieces of root of the herbaceous varieties are used on which to set the cions. When well united and the plants established, they should be planted a little below the point of union, in order to permit of roots forming from the cion itself, as the shrub does better later on when it has rooted from its own wood. When under cover, grafting is successful if done toward the close of Summer.

Pruning Retinisporas When growing freely, as they are in the early part of Summer, it is a good time to prune evergreens to make them bushy. By pinching off a small portion of the lengthening growth the side shoots burst forth, perhaps a half-dozen in place of one only which would have been the case but for the process.

Retinisporas are among the most useful of evergreens, but as they vary in character greatly no one general system of pruning can be followed. The greater number of them, allowed to grow at will, get much too thin for beauty and effectiveness. When of a height of 20 ft. or so, if unpruned growth has been allowed them, such sorts as pisifera, obtusa, and the most of their varieties, are not as thickly foliaged as could be desired, and as most other evergreens would be. This denotes that a pruning in previous years would have been of much benefit to them. Unless height is desired, such evergreens as these would be better topped when of a height of about 6 ft., and a Summer pruning given them before the growth for the season had ceased. A moderate pruning every year or two would add enough to their bushiness to make them of good appearance when they had attained a more lofty height.

Care must be taken, when pruning them, not to prune so close as to take away the growth bearing the live foliage; for to do this to a serious extent would greatly check the vigor of a plant.

There are two Retinisporas often ruined by too much pruning, the R. plumosa aurea and R. squarrosa. These naturally make foliage clustered together, and when pruned it adds so to the quantity of the leaves that it is impossible for all to live, and it is then that is formed the mass of dead foliage which so disfigures these trees when from any cause there is a break in the outside layer of green shoots. So thick is the mass of dead foliage that air can hardly pass through the branches, and when this dead mass is exposed to view, as it often is, it is such a blemish as to make the tree unfit for a position on a lawn. These two varieties mentioned, particularly the squarrosa, should have little or no pruning at any time.

Budding June and July are usually good months in which to do budding successfully. The sap is running freely then, and with care the operation is usually successful. In olden times, gardeners made it a point to bud rather more towards the close of the budding season than at its beginning, believing that as the cambium, the perfected sap, was more abundant then than earlier, it was more to the advantage of the operation, the bud taking its new position better than any earlier period. This seems reasonable. The sap has to be perfected by the sun and light when it reaches the leaves of a plant, and it is only after this that cambium is formed and distributed to all parts of the tree, cementing the bud in its new position as it reaches it, and unless so cemented the bud cannot live. This would prove the wisdom of the old gardeners who taught that budding should be done while the bark lifted readily, but not in the earliest stages of the sap flow.

Amateurs will sometimes make the mistake of budding a vigorous shoot near its base and then topping the shoot several feet above it, leaving no foliage, or next to none, on it. No success can be looked for in this case, because the absence of foliage prevents the formation of cambium, to cement the union of the bud; and unless some is already stored up in the shoot the bud must fail.

Root Pruning Trees in Summer Every nurseryman is aware, as also are his customers, how much more care is taken to deliver trees, on orders, in good condition than was the case some years ago. This improved condition does not indicate that the nurseryman was much at fault before in not taking this care. In former days the prices for stock were so low that the proper care could not be given to the shipping of plants, whether by railroad or by wagon. It is very different today. The purchaser has come to know that it is to his interest to pay for proper care in digging and delivering stock as well as the price of the trees. This education of the purchaser has worked great benefit to the nursery trade, as well as to himself. It is now well understood all around that a tree must be dug well, the roots in good condition, and delivered and planted with care, all of which should be properly paid for; hence, it is that the business of the nurseryman is a much more satisfactory one now than it ever was before. One thing that has greatly helped along this generally satisfactory business is the system of root pruning in Summer, which many nurseries make a part of the season's operations. There is nothing like it to make transplanting safe. For every root cut off in early Summer perhaps a half-dozen smaller ones will form, making a well-rooted tree in place of one that would have been in no way sure to live. Even with good roots the life of a tree cannot be insured, but its chances are then infinitely better than before.

Early Summer is perhaps the best time to root prune a tree. Growth is still active then, and the foliage perfects the crude sap and it is stored partly in the remaining roots and used in the formation of new ones, so that by the time Autumn comes the tree has greater chances of surviving a transplanting than it ever had before.

The plan of root pruning has often been described. A trench is dug around a tree at a distance from the trunk such as would be the case if for immediate transplanting, cutting asunder all roots met with in the digging. The hole is then filled up with the same soil, or with better if it is not good, and then the tree given a year's rest before being dug out and transplanted.

Some Random Notes Under the heading "Some Random Notes," in the EXCHANGE of June 4, p. 991, there are several things mentioned by Prof. Massey I wish to refer to.

The pink Horse-Chestnut he refers to is Oaulus rubicunda. It is comparatively scarce, and yet quite a few specimens are to be seen on old estates hereabouts, and of late years many small trees have been planted. In England, where all Horse-Chestnuts flourish better than here, there are many of the rubicunda to be seen, and they are a grand sight when in flower. The origin of this tree is obscure. It is supposed to be a hybrid between the European and the dwarf Pavia rubra—so I have read; anyway, no one seems to know its origin.

Yes, we all know what a pretty hedge the Euonymus Japonicus makes, and we know, too, that it flourishes well by the shore in New Jersey; and likely, too, it makes a prettier hedge than the Privet, but in these cases it is not which is the prettier hedge, but which will thrive in certain localities. The Euonymus will not do in exposed positions, even in Pennsylvania; California Privet will, and nothing is as good about Philadelphia. But here again one has to draw the line farther north of us, for right before me is a letter from E. Y. Teas of Centerville, Ind., in which, speaking of this Privet, he says: "I have not seen a hedge of California Privet of one to five years growth, that was not absolutely ruined by the cold, in all central Indiana."

The evergreen Privet, Japonicum, Prof. Massey speaks of, can be used as a hedge plant at Philadelphia and it has been so used, being just hardy enough. Perhaps the reason nurserymen do not take hold of it is because it cannot be propagated as quickly as the Californian. The other one he mentions, lucidum, is barely hardy enough for us. Its tops get winter killed partly; it's a beautiful evergreen, and can be recommended for use as a tub plant among Hollies, Bays and various other evergreens now so much sought for Christmas, Easter, and other occasions.

Following his notes, let me say that Cerasus Caroliniana, the beautiful evergreen of the South, stood without the loss of a leaf last Winter, sheltered from the sun alongside my dwelling, and it, too, but a small plant, less than a foot high. I am much pleased with it.

Ilex cassine I have never tried for hardiness, but would like to have a small plant for trial. Our florists use it at Christmas time to some extent, its red berries are so pretty.

The best success with Figs, hereabouts, is had by my sister-in-law, Mrs. Thomas Meehan. She has a row of a half-dozen or so of different sorts, planted many years ago, and some of them now big bushes, 10 to 12 ft. high. On the approach of Winter these bushes are dug out on the one side, the branches tied together, plants thrown over to the opposite side, and then covered with leaves, soil, etc., to keep out frost. In Spring they are thrown back in place, and the Figs they produce and ripen are a sight to see. The cutting of the roots from the one side acts as a check to rank growth, and aids fruitfulness.

Paeonia Moutan. Double Pink Tree Peony

Special Auction Sale—To Make Room

We will offer, At Auction, Without Reserve, the following assortment of high class, well grown, seasonable stock; in perfect condition, suitable for immediate use, or for growing on.

THE PROPERTY OF (AND TO BE SOLD ON THE PREMISES OF) **F. H. Dressel, Gregory Avenue, Weehawken Heights, N. J.**

HOW TO GET THERE:—From New York, take 23rd Street Ferry to 14th Street, Hoboken, Boulevard car to Sunnyside Avenue; or, from Hoboken, Union Hill car to car stables, thence three blocks to the East.

MONDAY, JUNE 27th, 1910, PROMPTLY AT 1 P. M.

500 Boston Ferns, 5½ inch pots. **300 Boston Ferns,** 6 inch pots. **300 Boston Ferns,** 7 inch pots. **200 Boston Ferns,** 9-10 inch pots. **200 Dracaena Massangeana,** 1-1½ feet. **200 Dracaena Massangeana,** 2 feet. **100 Dracaena Massangeana,** 2½ feet. **200 Dracaena Gracilis,** various sizes. **200 Hydrangeas,** in Bud and Bloom, 18-30 flowers. **500 English Ivy,** in pots. **100 Hydrangeas,** in Bud and Bloom, 12-15 flowers. **500 Tradescantia,** in pots. **200 Dracaena Godseffiana,** in various sizes. **400 Aspidistra Variegated,** 15-30 leaves.

Also, other miscellaneous stock; details on day of sale. **NOTE:—Free delivery, within reasonable time, to New York.**

TERMS: CASH **NOTE THE DAY AND DATE**

The Fruit Auction Co.

200-204 Franklin Street
(Corner Washington Street)
NEW YORK CITY

Horticultural Department, J. P. CLEARY, Auctioneer

For other information, address the auctioneer, or F. H. Dressel, Station 1, Hoboken, N. J.

Please mention the Exchange when writing.

Men We Meet

C. S. Harrison, York, Neb.

C. S. Harrison of York, Neb., has had a somewhat remarkable career. He was born in Otsego County, New York, in 1832. When a lad of 11 years he moved with his parents, in 1844, to Illinois. He remembers one time when his father being sick, he hunted over the dirty little village of Chicago for a peck of Potatoes. He has seen the mighty West grow up from babyhood. In 1857, he commenced preaching, as a Congregational Church home missionary, on the frontiers of Minnesota. The country was very new, there were no roads or bridges. Often he was nearly frozen. Once a horse sank with him three times in deep water. He had the care of a country 100 miles in extent, preaching the first sermon in many places now prosperous. Sometimes, in the night journeys, the great wolves would howl along his track, almost broken hearted because they could not have missionary raw and warm for supper. He was 42 years in active ministry, building 16 churches, and receiving several hundreds into membership on confession of faith.

When about 40 years old, having a suburban home, his attention was called to horticulture. He made this a fad in connection with his profession. When 66 years old, on account of his strenuous work, his nerves gave out and he had to stop. All know the condition of the wornout minister—no place for him. In vain he looks for ads. calling for defunct preachers to act as clerks or to aid in business. He is as rubbish, ready for the brush pile—a sucked orange, juice all gone.

Mr. Harrison had been too busy to make money. He did not have enough to build a modest home, and the "wolf" was at the door; but he made up his mind that he was not dead yet and perhaps his best years were before him. He declared Osler a humbug. His church nerves were worn out, but he had another set he could use.

He believed in the educated hand as well as the educated brain. Park was his model. That mighty man was an empire in himself, a home and foreign missionary society, teacher, theological professor, all done up in one and, backed by a kit of tentmakers' tools, the devil was more afraid of his shears and needles than of all the armies of Rome.

In the early days, Mr. Harrison worked with his parishioners, helped them in haying and harvesting, and aided them in building their log houses, and they helped him in return. Incidentally, he had made a practical study of horticulture. Having charge of the Franklin Academy in western Nebraska, he had the "Academy Nursery," where he furnished work for quite a number of students. At the same time he kept a State experiment station. Called to Boston as one of the field secretaries of the Educational Society, he became a member of the Mass. Horticultural Society and got acquainted with the leading men of the profession. The late and lamented T. C. Thurlow, one of the sweetest souled men that ever lived, was an intimate friend. So, when health failed, he was sure he had a good nursery in his head and hands. With only $200 he began on a couple of town lots. He was strong and quick, and, knowing how, he could do the work of two men.

At first he did all the work himself. He commenced writing for papers having a circulation of half a million, advocating the "home beautiful." Since 70 years of age, he has published "The Gold Mine in the Front Yard," and "The Peony Manual," which has gone through two editions. So also has his "Phlox Manual." Last Fall, he issued the "Iris Manual." These are the only works of their kind, and have received the highest commendation from leading men. He boasts that though he had a pleasant time in the ministry, he has now the

C. S. Harrison, York, Neb.

finest parish he ever had. His delightful parishioners never grumble. They take the best care of him and in 12 years the little nursery has grown from a value of $200 to an incorporated company of $25,000, with a paid up capital of $15,000.

Mr. Harrison has given special attention to the propagation of perennials. Out of thousands of Peonies he has selected 30 of rare merit.

There was need of a hardier race of Phloxes for the trying climate of the West, and he has secured a very robust family of these glorious flowers. He has collected 150 kinds of Irises, and is all the while adding to them, and is now commencing to raise new sorts by the hundred.

Nearing the border land, he is more and more impressed with the thought of making the hither shore prophetic of the glory to be revealed. Those beautiful lines often come to him of the land "Where everlasting Spring abides and never withering flowers."

While on the frontiers, a dear little girl, a particular friend of his, only five years old, lay dying. Hers had always been a humble home. She never saw a flower garden, but to her there came a vision of indescribable loveliness. "Oh! Such a great, great farm all covered with such beautiful and lovely blooms." She was in an ecstacy of delight, and died in a rapture, trying to tell of the beauties "of the land that is fairer than day."

Once, he himself lay very sick, on the verge of the borderland. To him there came visions of matchless splendor, Roses were growing on trees which rivaled the giants of Yosemite avenues, overarched with all the colors and tints of Heaven reaching out in all directions. Flowers new and strange, and of marvelous and alluring loveliness, were beckoning everywhere. Intoxicated with delight, he hurried from place to place overwhelmed with astonishment of such splendor. When he awoke he was completely exhausted by his explorations in the land of enchantment. What wonder he is drawn to his flowers and that they love him.

He has nearly ready for the press "Adorning Beulah Land and How to Become an 'Extinguished' Minister."

He is often called to address horticultural and other gatherings. The press will often give tributes like this: "Mr. Harrison gave one of his characteristic addresses. It was a marvelous uplift. He joined the two worlds, making this the porch of heaven. He takes up the subject where others leave off. He has a clear voice, modulated to the different phases of his subject. He seems at times to hold his audience in the mid-heaven, while he pours in upon them the sweet evangel of beauty. When he has finished ovations and congratulations follow. His work is unique in the annals of horticulture. It is just what is needed. He awakens and thrills the people with a great subject."

The Edelweiss Industry

Some interesting facts regarding the Edelweiss industry, as discussed in a book recently published in Vienna, are quoted in the Handelsgaertner. At Breth, a small town on the Predil Pass in the Julian Alps, there are extensive establishments for the culture of Edelweiss, which market large quantities every year, sending them all over the world. Flowers of prime quality bring about 20c. a thousand, and even 25c. if especially fine. These establishments are at an altitude of from 1500 to 3000 ft., which has been demonstrated by experience to be required for the perfect development of the flower, for those grown on trial fields in lower altitudes lack the fine shape and lovely color of the former.

The cultivated Edelweiss, however, cannot compare with that growing wild in the high mountains, which bring, at their best, $4 to $5 per 1000. But it grows in such steep, inaccessible places that the picking is exceedingly dangerous, and many a hardy climber has lost his life in the attempt. Still, there is no lack of men willing to take the risk, many of whom are in the employ of foreign firms. Some of these firms have warehouses in Salzburg and the Tyrol, with millions of flowers in storage. There are some Edelweiss establishments in Germany, at Quedlinburg, Erfurt, and Berlin, but the flowers raised there are very inferior to the flowers growing wild on the heights of the Alps. The increasing industry of the Edelweiss has also given rise to much substitution.

HEADQUARTERS FOR BEST MARKET VARIETIES

PEONIES AND IRIS

ORDER NOW FOR SEPTEMBER DELIVERY

Our stock is guaranteed true to description and will **replace with three** any that prove not true. We can make this unparalleled guarantee because of the extreme care we have always used in growing our stock, and never have the trouble that some dealers complain of about their stock not proving true, because we never ship a Peony plant that has not already bloomed on our place. Any Peony is much surer to bloom, and will be twenty per cent. stronger, if moved in September, so that new rootlets may form before freezing down. This gives a great advantage to home-grown stock over imported plants, which invariably come too late.

SEND FOR ILLUSTRATED DESCRIPTIVE LIST

The prices in this list are for stock packed for shipment. We begin filling orders early in September. On Peony and Iris orders amounting to $100.00 or more, we will make a special discount of ten per cent. The sizes given are: **Divided**—Strong divided plants of two to four eyes. **Small**—Are plants of one or two stalks of this year's growth, one year since divided. **Medium**—Plants of three to five stalks, two years since divided. **Large**—Plants of six or more stalks, three years since divided.

Will supply six at dozen rate and twenty-five at hundred rate.

WHITE PEONIES

	Size	Per 12	Per 100
Alba Sulfurea—Very large, creamy white, bomb shape	Small	$8.00	$60.00
	Medium	13.50	100.00
Couronne d'Or—Large, late, creamy white, very fine	Divided	3.50	25.00
	Small	6.00	40.00
	Medium	10.00	75.00
	Large	13.50	100.00
Duchesse de Nemours—Pure white without markings, large guard petals, very fragrant	Small	6.00	35.00
	Medium	7.00	60.00
Festiva—Fine white, not so large as Festiva Maxima but very similar. Midseason, very fine	Divided	2.00	15.00
	Large	10.00	80.00
Festiva Maxima—The favorite white, true stock. Pure paper white with a few carmine flakes. Immense, very fragrant, very early and free.	Divided	1.60	12.00
	Small	3.00	20.00
	Medium	6.00	40.00
	Large	10.00	76.00
Golden Harvest—Blush guard, collar clear yellow, center white with carmine tips. A very showy variety, very fine	Divided	2.00	16.00
	Small	3.50	26.00
	Medium	6.00	40.00
Madame Crousse—Pure white, sometimes slight crimson markings in center. Very free, and one of the most fragrant. Midseason. Beautiful bud.	Divided	3.00	20.00
	Small	6.00	36.00
	Medium	7.00	60.00
	Large	10.00	75.00
Madame de Verneville—One of the most beautiful varieties we have. Pure white with faint blush tint in center, very delicate. Early, free, exceptionally fragrant	Divided	1.50	10.00
	Small	3.60	25.00
	Medium	6.00	40.00
	Large	10.00	75.00
Marie Lemoine—Delicate ivory white, very solid massive blooms of extra size. The very latest blooming white	Divided	3.50	25.00
	Small	7.00	50.00
	Medium	10.00	75.00
	Large	13.60	100.00
M. Dupont—Large ivory white, very tall, stiff stems, late, very free	Small	6.00	40.00
	Medium	10.00	80.00
Pasteur—Delicate blush, fading to white. Very tall and beautiful. Late.	Small	5.00	35.00
Queen Victoria (or Whitleyi)—A full strong white with creamy center. A most popular florists' variety, as it is the best keeper and shipper.	Divided	.90	6.00
	Large	6.00	35.00

PINK PEONIES

	Size	Per 12	Per 100
Albert Crousse—Like a large flesh pink carnation	Small	$8.00	$60.00
	Medium	20.00	150.00
Alexandriana—Early, clear light pink with silver edges; fragrant and a strong grower. Dark glossy foliage	Small	6.00	36.00
	Medium	7.00	60.00
Beauté Française—Early salmon pink, large guard. Paris market variety	Divided	2.00	16.00
	Large	7.00	50.00
Beauté de Villecante—Early rose pink, bright and showy	Divided	2.00	16.00
	Large	6.50	60.00
Bernard Palissy—Fine large, rose shaped flower of very delicate flesh pink, nearly white; very fragrant, late	Small	5.00	35.00
Carnea Elegans—Fine light flesh pink	Divided	1.25	9.00
	Large	5.00	40.00
Delicatissima—Large flower of fine flesh pink, fine bud, strong stem. Very fragrant	Small	4.50	30.00
	Medium	6.00	45.00
Edulis Superba—Soft pink; very early, large, fragrant	Divided	2.00	16.00
	Large	6.60	60.00
Eugenie Verdier—Also called Pottsii Alba. Very large flesh pink, bleaching desirably to pure white. Very tall and free	Divided	4.00	30.00
	Small	6.00	60.00
	Large	20.00	150.00
Grandiflora (Richardson's)—Fine flesh pink. Very large; very late	Small	10.00	80.00
	Medium	20.00	150.00
Lady Leonora Bramwell—Bright pink, good shade. Guard petals long and large. Mid-season. Very fine commercial sort	Divided	1.00	8.00
	Medium	4.00	30.00
	Large	6.00	45.00
Lamartine or Giganthea—Clear bright pink of rose shape. Strong, free, early, large	Small	6.00	45.00
La Tulipe—Blush guard with red tulip-like markings on outside of guard petals. Balance white. Beautiful in bud and bloom.	Divided	2.00	16.00
	Medium	7.00	50.00
	Large	10.00	76.00
Livingstone—An extra fine late pink, rich clear shade. One of the best varieties	Divided	7.00	50.00
	Small	10.00	80.00
	Medium	15.00	110.00
	Large	24.00	175.00
Madame Bollet—Deep pink of fresh color; late, fragrant	Divided	3.50	25.00
Madame Emile Galle—Good clear pink, lighter toward center, good bud, late.	Divided	2.00	16.00
	Small	4.50	30.00
	Medium	6.00	40.00
	Large	8.00	60.00
Madame Forel—Clear deep rose pink, midseason	Small	7.00	60.00
	Medium	10.00	80.00
Melanie Henry—Deep silvery rose; very large, fragrant, very early. Extra	Divided	2.00	16.00
	Medium	6.00	40.00
	Large	9.00	70.00

PINK PEONIES—Continued

	Size	Per 12	Per 100
M. Boucharlat aine—Bright lilac rose, very fragrant, rather late	Small	$6.00	$36.00
M. Jules Elie—Immense silvery pink, large guard and high center; early.	Small	9.00	70.00
	Medium	13.60	100.00
Princess Beatrice—Large clear pink with a few salmon petals. Early, fragrant, very pretty	Divided	2.00	16.00
	Small	3.60	26.00
	Large	9.00	70.00
Sully Prudhomme—Delicate light flesh pink, rare shade	Small	10.00	80.00
	Medium	15.00	120.00
Triomphe de l'Exposition de Lille—Light rose-pink or peach color, with mottled petals, very massive. Midseason	Small	5.00	30.00
	Medium	7.00	50.00
Virginie—Large flesh pink	Divided	1.00	8.00
	Large	6.00	46.00

RED PEONIES

	Size	Per 12	Per 100
Adolphe Rousseau—Dark amaranth; tall, fine	Small	$7.60	$60.00
	Medium	12.60	90.00
Atrosanguinea—Deep blood red, velvety petals	Small	6.00	40.00
August Villaume—Immense bloom. American Beauty shade	Small	6.00	40.00
Delachei—Deep amaranth, solid color, free, late. Fine variety	Divided	1.26	8.00
	Small	3.60	26.00
	Medium	5.00	35.00
Directeur Aubry—Fine light red without stamens	Small	10.00	75.00
	Medium	15.00	126.00
Edouard Andre—Dark blood red very fine	Small	3.50	26.00
Felix Crousse—Bright red, distinct color. Very large, bomb shape, no stamens. One of the best	Divided	4.00	30.00
	Small	6.00	46.00
	Medium	9.00	65.00
	Large	12.00	90.00
Madame Bucquet—Very dark amaranth maroon, one of the darkest and rarest. Late and free bloomer	Divided	3.00	20.00
	Small	5.00	36.00
	Medium	6.50	50.00
	Large	12.00	90.00
Modeste Guerin—Bright rose, solid color, American Beauty shade. Midseason	Divided	4.00	30.00
	Small	6.00	46.00
	Medium	9.00	65.00
	Large	12.00	90.00
M. du Ribert—Birght red bomb, very fine, no stamens	Divided	1.50	10.00
	Large	7.00	50.00
M. Krelage—Deep rose red, very fine shade and shape. Very free late midseason	Divided	5.00	36.00
	Small	7.00	50.00
	Medium	10.00	75.00
Purpurea Superba—Purplish crimson without stamens; tallest red variety	Small	6.00	40.00
Souvenir de l'Exposition Universelle—Fine clear rose red, very fresh color. Tall, fragrant, early	Divided	2.00	16.00
	Small	3.50	26.00
	Medium	6.00	40.00
	Large	7.50	60.00

FLEUR DE LIS OR IRIS

S. signifies standard or erect petals.
F. signifies falls or drooping petals.
These Iris prices are for single roots.

	Per 12	Per 100
Albert Victor—S. and F. lavender, very fine, midseason	$0.85	$6.00
Aurea—Solid chrome yellow	.85	6.00
Black Prince—S. soft lilac purple, F. rich velvety black, large bloom	1.26	8.00
Celeste—S. pale lavender, F. deeper lavender; fragrant, midseason	1.26	8.00
Cyanea (pumila)—Dwarf, purple. The earliest	.76	6.00
Dalmatica—Fine clear lavender, large, tall, very fragrant. Midseason	1.26	8.00
Darius—S. yellow, F. purple with yellow edges. Large flower, tall	.76	6.00
Excelsa (pumila)—Dwarf, yellow. First out	.75	6.00
Fairy—Ivory white with pale violet veining. Very delicate and fine. Very tall and fragrant. Midseason	1.26	8.00
Florentina—Pearly white, very large and fragrant. One of the earliest and best	.76	5.00
Gertrude—Rare violet blue, very beautiful. A Peterson seedling. Early	1.26	8.00
Gracchus—S. pale yellow, F. yellow reticulated purple. Early	.60	4.00
Harlequin Milanais—White and violet blue; beautifully marked like an orchid	.60	4.00
Judith—S. sulphur yellow, F. rich purple; midseason	1.60	10.00
Madame Cherean—White, each petal elegantly frilled with violet. The tallest of all; midseason, fragrant. Extra fine variety	.50	3.00
Orientalis—A very late Iris of a distinct type. Flowers small, deep blue purple. Foliage very narrow	.60	4.00
Pseudacorus—Clear yellow, flat bloom, distinct from others. Fine long foliage	.40	2.50
Queen of May—S. lilac pink, F. lilac blended with white, rare color, very fragrant, early. One of the best	.60	4.00
Sans Souci—Brightest yellow of all. Brown veining on F. petals. Early	.40	2.50
Sapho—S. violet blue, F. rich blue-purple. First except the dwarf pumilas. Very large	.76	6.00
Sibirica Alba—Similar to Orientalis only white	.60	4.00
Sir Walter Scott—S. yellow, F. rich crimson brown. Very late, very tall	.85	6.00
Speciosa—Deep reddish purple, very fragrant. Many flowers on a stalk, late	.60	3.00
Ulysse—S. drab, tinged bronze, F. purple. Very odd and striking combination. Midseason	.60	3.00

Collections—Twenty-three clumps of blooming size, all different and all correctly labeled for $5.00.

PETERSON NURSERY

Lincoln and Peterson Aves. WM. A. PETERSON, Proprietor ESTABLISHED 1856 **CHICAGO, ILL.**

New York Florists' Club Outing, Tuesday, June 28

Without a doubt the outing of the New York Florists' Club, which takes place next Tuesday, June 28, will, if the day is fine, eclipse, in point of attendance, all previous outings of the Club. With accommodations such as exist at the famous Witzel's Point View Grove even unfavorable weather should not diminish the attendance, for with slight modifications in the program most, if not all the sports could be pulled off under cover. But it is to be hoped that the day will be one of bright skies, and the chances are certainly more in favor of this condition than the reverse.

This annual "frolycke" includes, beside a breakfast and dinner, upward of 35 sporting events and games, with prizes galore, and substantial ones at that.

A prompt appearance is called for at the wharf, as the boat is scheduled to sail at 10 a.m. sharp, and as arrangements have been made this year to obviate the necessity for ticket censors at the gang plank—*for those who have complied with the committee's requirements in regard to vouching of tickets*—there is no reason why the boat should not leave sharply on time.

Secretary Bunyard has issued the following invitation to all members of the Club, their families and friends:

WELCOME!

Once again we join together to gambol on the green. Thrice welcome to the annual frolycke! "Let joy be unconfined."

Every member of our Club should be present with his family and extend the glad hand of fellowship and comradeship; let us forget our differences and business for the day and meet upon a common ground for a common cause, and mutual friendship and entertainment.

Let employer and employee mingle and exchange friendly greetings, remembering that we all have souls, are dependent one upon the other and are not "mere tools to make things"; let us all be children on this glorious day, aye, men and women too, but with the heart of a child, guileless and with the smile and happiness of youth, eager for the game and the sport of the hour and the gladness of it all.

And so we repeat—Thrice welcome, come one and all! Leave dull care behind and enter into the spirit of this joyous occasion. Let the members of The New York Florists' Club be proud of their committee and the committee be proud of the members, and the whole trade be proud of one of the greatest organizations for the advancement of horticulture and good fellowship.

All hail, and again thrice welcome! H. A. B.

Pittsburgh, Pa.

The cut flower and bedding plant market has been slow this week.

Transient trade is very quiet; school commencements and weddings seem to be the only means of disposing of the stock. Everything has been plentiful and of good quality.

Carnations are holding up fine. Killarney Roses are in splendid shape. Bride and Bridesmaid very poor. Lilies are plentiful and the quality up to the standard. Short Roses are coming in in large quantities, of good quality, and the supply is beyond sufficiency; they can be had at the buyers' price. The sudden warm weather has brought on this crop. American Beauty Roses are in demand and the stock is in pretty good shape. Lily of the Valley is selling steadily owing to so many weddings.

The demand for bedding plants is very slow at present.

Outdoor stock has been kept back by the constant rains and cool weather; but conditions have been changed the last few days by the hot sunshine and now everything is in the pink of condition.

D. W. L.

St. Louis

Mr. and Mrs. Fred J. Meinhardt spent the last week at their cottage at Chautauqua. Fred says the fishing was fine. They will make several trips there this Summer.

J. F. Windt is making preparations for a trip to his old home in Germany this Summer. It will be hard for grandpa to leave his grandchild that long, and he might change his mind.

Mrs. Wm. Ellison, of the Ellison Floral Co., will start early this year for her vacation up North, near Grand Rapids, Mich., where she and her daughter have a cottage for the Summer.

Mrs. J. Austin Shaw of New York spent the last two days in the city visiting her daughter, Mrs. E. P. Noel of 5672 Van Versen ave.

H. G. Berning is receiving some good consignments of Roses from Heller Bros., consisting of American Beauty and all other varieties.

All four of our commission men will, from now on until September 1, close at 5 p.m. each day excepting Saturday, when the hour will be 12 m. The start was made June 18.

Fred Aloes of Angermueller's, who was hurt quite badly recently by falling from a street car, is out again attending to business. Al. Gunns of the same place will take his vacation soon and go on a ten-day fishing trip.

The Ladies' Home Circle will hold its meeting on July 13 at Mrs. John Steidel's at Central, Mo. All ladies are requested to bring their better halves with them for this meeting.

At Kuehn's we find some nice consignments of Carnations and Roses of which the best meet a fairly good demand. Some of the best Valley is found at this place, a kind which was in good demand all during the month.

The Bentzen and Sanders ball teams are practicing every afternoon for the big game at the Florists' Club picnic, July 21.

Ernest Sthrelle has at last been appointed Superintendent of Public Parks by Commissioner Scanlan. Mr. Sthrelle has been acting since the death of George W. Ostertag. His term will run until next March when new appointments will be made.

The W. C. Smith Wholesale Floral Co. announced in the last week that they had leased the whole building of their present quarters and will start alterations at once. The lower floor will be for cut flowers exclusively, the second floor for wire work and the other three floors for florists' supplies. All alterations are to be complete by September 1.

Do not forget the Florists' Picnic, July 21, at Romona Park. All florists invited.

ST. PATRICK.

PORTLAND, ORE.—Estimates made by the local Rose Society, through commercial bodies of the State, indicate that more than 5,000,000 Rose trees have been planted in Oregon since the movement was started three years ago by the Rose Festival Association.

SOUTH BETHLEHEM, PA.—At the annual flower show here, on June 14, the professional florists had notably fine exhibits, including John E. Haines, whose beautiful display of Palms, Ferns, Petunias, Sweet Williams, Cornflowers, etc., was grouped about the fountain. Franz Weiskopf and other West Side florists had pretty Roses, Petunias, Lilies and other cut flowers on view; and Fries had Palms, Rubbers and flowers.

Catalogs Received

JOHN S. WEAVER, Glen Mawr Seed Farms, Kinzers, Pa. Retail Price List of High-grade Lettuce and Aster Plants.

D'ALCORN, Washington, D. C.—Wholesale Bulb Catalog, of both domestic and imported varieties in all the leading named sorts.

Growing Nephrolepis and Other Ferns Outdoors

"Will you kindly let us hear from you as to the best method of growing Nephrolepis Ferns and other varieties outside? Would it be best to construct frames and how much shade is required? Could they be grown under laths or must they be placed under glass?—Y., Pa.

One method of growing Nephrolepis outdoors in the Summer is that of plunging the pots or pans in a bed of spent Hops. The latter being procurable from any brewery, and sold at a moderate price for fertilizing purposes. A bed of coal ashes will also answer for plunging material, keeping the roots cool and moist, but the Ferns will make more growth when plunged in Hops.

Some slight protection from the full sunshine and strong winds is best for the plants, and it is, therefore, advisable to grow them in frames and to cover them with either lath shades or thin muslin. The shading material being raised above the frame high enough to permit a good circulation of air.

The Ferns could be grown without any covering if they were placed in such a position as would shade them from the full sun for part of the day, but this plan does not give them any protection from strong wind and beating rain by which the fronds of the Nephrolepis may be battered or broken down.

Small Ferns should be placed in frames, and covered with shaded sash, the latter being raised on a light framework about one foot above the sides of the frame, so that the plants get an abundance of ventilation. W.

N. ABINGTON, MASS.—The Boston Evening Globe's correspondent in this town, in the issue of June 18 of that paper says. "There will be a meeting of leading citizens this evening to discuss the question of calling a public mass meeting for the purpose of seeing what can be done about acts of vandalism in town the past few months. The recent depredations at the Bay State Nurseries, whereby many trees and shrubs were destroyed, to the value of several hundred dollars, has aroused the ire of the citizens. Mr. Wyman, the proprietor of the nurseries, is the object of the hoodlumism. He was formerly pastor of the Baptist Church, was prominent in the agitation against the selling of liquor in town some years ago, and he served one year as chief of police. Since then he has been made the object of various attacks. One of his packing houses has been burned, a bomb was discovered in the cellar of one of his buildings, and repeatedly he has suffered by having his nursery stock destroyed. The men interested in calling a public mass meeting are in favor of offering a reward for the arrest of those who have committed the depredations.

Coming Exhibitions

Minneapolis, Minn., Nov. 10-16, 1910.—Flower Show of the Minnesota State Florists' Association. Secretary, J. P. Jorgenson, 3501 Portland ave., Minneapolis.

Morristown, N. J., Nov. 2-4, 1910.—Exhibition of the Morris Co. (N. J.) Gdrs. & Florists' Soc., in conjunction with the exhibition of the Chrysanthemum Soc. of America. Secretary Edward Reagan, Box 334, Morristown, N. J.

New Bedford, Mass., Sept. 15-17, 1910. Annual exhibition of the New Bedford Hort. Soc.

Newport, R. I., June 23 and 24.—June exhibition of the Newport Horticultural Society at Masonic Hall. Secretary, Daniel J. Coughlin.

Orange, N. J., October 1, 1910.—Fifth Annual Dahlia Show of the New Jersey Floricultural Society, from 4 to 10 p.m. Schedules on application to William Reid, secretary.

St. Louis, Mo., Nov. 8-12, 1910.—St. Louis Horticultural Society, Fourth Fall Floral Exhibition and Pomological Display at the Coliseum, Jefferson & Washington ave. Otto G. Koenig, Secretary, 6473 Florissant ave., St. Louis.

Tarrytown, N. Y., Nov. 1, 2 and 3, 1910.—Exhibition of Chrysanthemums, Roses, Violets, Fruits, Vegetables, etc., by the Tarrytown Horticultural Society. E. W. Neubrand, secretary.

ALL ABOARD!

Ticket admitting Lady and Gentleman . .	$5.00
Gentlemen's Ticket . .	3.50
Ladies' Ticket . . .	2.00
Juvenile Ticket . . .	1.00
Babies	Free

The tickets include everything.

$350.00 in Cash Prizes

Breakfast, Dinner and Boat Ride included in tickets.

Souvenirs and Prizes for all.

For The New York Florists' Club Outing, Bean Feast and Games

TUESDAY, JUNE 28th, 1910

Witzel's Point View Grove, College Point, Long Island

Steamboat Isabel Leaves Foot East 31st Street, New York City, 10 A. M. Sharp

The Outing will be bigger and better than ever, and the Outing Committee cordially invites all members of the Trade to be present; including Nurserymen, Seedsmen, Florists, Private Gardeners, Employees, etc. Let us all get together on this glorious day! For further particulars write to

HARRY A. BUNYARD, Chairman
342 West 14th Street, New York City

PROGRAMME OF YE FROLYCKE

PRESIDENT MILLER'S CONSOLATION PRIZES

For *members* and *members'* families only who have not won or competed for any prizes during the day. President Miller will provide the games, which will be a novelty at this outing—and are a profound secret. That they will be exciting, exhilarating and amusing goes without saying, for President Miller says so and will award prizes as follows: For men—1st prize, $5.00 in gold; 2d prize, $3.00; 3d prize, $2.00. For ladies—1st prize, $5.00 in gold; 2d prize, $3.00; 3d prize, $2.00. Conests will take place after the games and races are completed—about 5 p.m.

Class 1. 12.30 p. m.—Baseball Game, for Boys under 14 years, five innings. 1st prize, Regulation Ball to each boy of winning team, by the Outing Committee.

Class 2. 12.30 p. m.—Ladies' Individual Bowling Match, three full frames. 1st prize, $10.00 in gold, by Samuel Thorne; 2d prize, $5.00 in gold, by Arthur T. Boddington; 3d prize, $5.00 in gold, by Philip Kessler; 4th prize, $3.00, by Alfred Zeller; 5th prize, $2.00, by Henry Hornecker.

Class 3. 12.30 p. m.—Baseball Game, Benedicts vs. Bachelors, five innings. 9 bottles of wine to winners, 1 box of cigars to losers, given by our Host, Mr. Joseph Witzel.

Class 4. 12.30 p. m.—Girls' Race, 4 years and under, 25 yards. 1st prize, $2.50; 2d prize, $1.50; 3d prize, $1.00; by John Coan.

Class 5. 12.45 p. m.—Girls' Race, 5 to 6 years, 35 yards. 1st prize, $2.50; 2d prize, $1.50; 3d prize, $1.00; by Robert Simpson.

Class 6. 1.15 p. m.—Girls' Race, 7 to 9 years, 75 yards. 1st prize, $2.50; 2d prize, $1.50; 3d prize, $1.00; by William Hageman Co.

Class 7. 1.30 p. m.—Girls' Race, 10 to 12 years, 90 yards. 1st prize, $2.50; 2d prize, $1.50; 3d prize, $1.00; by Charles Schenck.

Class 8. 1.45 p. m.—Young Ladies' Race, 13 to 15 years, 100 yards. 1st prize, $3.00; 2d prize, $2.00; by J. A. Rassbach.

Class 9. 2 p. m.—Young Ladies' Race, 16 to 19 years, 100 yards. 1st prize, $5.00, by Harry Turner; 2d prize, $3.00; 3d prize, $2.00; by E. C. Horan.

Class 10. 2.15 p. m.—Ladies' Race, 20 to 25 years, 100 yards. 1st prize, $10.00, by Patrick O'Mara; 2d prize, $5.00, by J. L. Jones.

Class 11. 2.30 p. m.—Race for Members' Wives and Daughters only, 100 yards. 1st prize, a handsome embroidered centerpiece, 23 inches in diameter, by Mrs. J. H. Pepper, (value $10.00); 2d prize, $5.00 in gold, by Anton Schultheis.

Class 12. 2.30 p. m.—Exhibition Dancing. 1st prize, $3.00, by Chas. B. Weathered; 2d prize, $2.00; 3d prize, $1.00; by C. Lenker.

Class 13. 2.30 p. m.—Married Ladies' Race, 75 yards. 1st prize, $10.00, by President (S. A. F.) F. R. Pierson; 2d prize, $5.00, by J. Austin Shaw; 3d prize, $3.00; 4th prize, $2.00, by Alfred Langjahr.

Class 14. 2.45 p. m.—Ladies' Race, over 40 years, 25 yards. 1st prize, Bolt Ribbon, value $5.00, by Schloss Bros.; 2d prize, $3.00; 3d prize, $2.00; by W. G. Badgley.

Class 15. 2.55 p. m.—Ladies' Walking Match, 150 yards. 1st prize, Silver loving cup, value $10.00, by M. A. Bowe.

Class 16. 3.00 p. m.—Ladies' Race, weight 175 pounds or over, 35 yards. 1st prize, $3.00; 2d prize, $2.00; by Austin Franklin Faulkner.

Class 17. 3.00 p. m.—Tug of War, best two in three. Seedsmen vs. Florists, 10 men a side. $10.00 in gold to winning team. Prize given by Henry & Lee.

Class 18. 3.15 p. m.—Boys' Race, 4 years and under, 35 yards. 1st prize, $2.50; 2d prize, $1.50; 3d prize, $1.00; by Burnett Bros.

Class 19. 3.30 p. m.—Gentlemen's Individual Bowling Match, three full frames only. 1st prize, $5.00 in gold, by John I. Raynor; 2d prize, Revero Hose, value $5.00, by E. W. Holt; 3d prize, $4.00, by Treasurer Rickards; 4th prize, $3.00; 5th prize, $2.00, by Louis Schmutz.

Class 20. 3.30 p. m.—Running Hop, Step and Jump. 1st prize, $3.00; 2d prize, $2.00, by Joseph Manda.

Class 21. 3.30 p. m.—Boys' Race, 5 to 6 years, 50 yards. 1st prize, $2.50; 2d prize, $1.50; 3d prize, $1.00; by W. H. Siebrecht.

Class 22. 3.45 p. m.—Boys' Race, 7 to 9 years, 75 yards. 1st prize, $2.50; 2d prize, $1.50; 3d prize, $1.00; by Frank H. Traendly.

Class 23. 4 p. m.—Boys' Race, 10 to 12 years, 100 yards. 1st prize, $5.00, by W. B. DuRie; 2d prize, $3.00; 3d prize, $2.00; by Gunther Bros.

Class 24. 4.15 p. m.—Race, Cut Flower Growers only, 100 yards. 1st prize, $5.00, by Moore, Hentz & Nash; 2d prize, $3.00; 3d prize, $2.00; by Alex. McConnell.

Class 25. 4.20 p. m.—Boys' Race, 13 to 15 years, 125 yards. 1st prize, $5.00, by Kessler Bros.; 2d prize, $3.00; 3d prize, $2.00; by John Donaldson.

Class 26. 4.30 p. m.—Quarter Mile Race. Men 19 years and over. 1st prize, $5.00; 2d prize, $3.00; 3d prize, $2.00; by The Yokohama Nursery Co.

Class 27. 4.40 p. m.—Boys' Race, 16 to 18 years, 150 yards. 1st prize, $5.00, by A. R. Kennedy; 2d prize, $3.00, by J. G. Esler; 3d prize, $2.00, by P. F. Kessler.

Class 28. 4.45 p. m.—Fat Men's Race (Members only), 200 lbs. or over. For each pound over 200 lbs. one foot handicap allowed, 100 yards. 1st prize, $5.00, by W. F. Sheridan; 2d prize, $3.00 3d prize, $2.00; by J. Birnie.

Class 29. 4.55 p. m.—Married Men's Race, members only, 75 yards. 1st prize, $3.00; 2d prize, $2.00; by M. C. Ford.

Class 30. 5 p. m.—Growers' Race, 100 yards. 1st prize, "American Carnation," by C. W. Ward; 2d prize, "Book of Water Gardening," by Peter Bisset; 3d prize, "Plant Culture," by Geo. W. Oliver. Prizes donated by The Florists' Exchange.

Class 31. 5.10 p. m.—Three-Legged Race, men and boys only. 1st prize, $5.00 ($2.50 each), by H. Weston.

Class 32. 5 p. m.—Press Bowling Prize, five frames. 1st prize, $3.00; 2d prize, $2.00; by M. C. Ebel. To representatives of the Horticultural press.

Class 33. 5.15 p. m.—The Sack Race. Boys only. 1st prize, $3.00; 2d prize, $2.00; by Robert Koehne.

Class 34. 5.25 p. m.—Race for Seedsmen only, 100 yards. 1st prize, $3.00; 2d prize, $2.00; by Chairman Harry A. Bunyard.

Class 35. 6 p. m.—For the largest family at the Outing. Members to be present. $5.00 in gold, by Vaughan's Seed Store.

WE call special attention to our large stock of **FERNS,** in all the leading varieties. We particularly mention **NEPHROLEPIS SCHOLZELI** and **NEPHROLEPIS COMPACTA,** both of which are exceptionally fine varieties for growing on.

Neph. Scholzeli
2¼-in. pots, strong plants..$3.00 per 100; $75.00 per 1000
4-in. pots, strong plants..$25.00 per 100; $225.00 per 1000
6-in. pots .....$6.00 per doz.; $45.00 per 100

Neph. Scottii
2¼-in. pots, strong plants..$5.00 per 100; $45.00 per 1000
4-in. pots, strong plants..$15.00 per 100; $120.00 per 1000
7-in. pots, strong plants....$9.00 per doz.;$65.00 per 100
8-in. pans, strong plants...$12.00 per doz.; $90.00 per 100
10-in. pans, strong plants .....$24.00 per doz.

Neph. Todeaoides
2¼-in. pots, strong .....$6.00 per 100; $50.00 per 1000
4-in. pots .....$20.00 per 100
8-in. pans .....$12.00 per doz.
11-in. tubs, very handsome .....$36.00 per doz.

Neph. Amerpohlii
4-in. pots .....$20.00 per 100
6-in. pots .....$6.00 and $9.00 per doz.

Neph. Compacta
2¼-in. pots, strong plants.$15.00 per 100; $125.00 per 1000

Neph. Elegantissima Compacta
4-in. pots .....$25.00 per 100

Areca Lutescens
Very strong, 3 plants to pot, 30-34 in. tall, at $1.50 and $2.00 each.

Dracaena Massangeana
6-in. pots .....$18.00 per doz.
7-in. pots .....$24.00 per doz.
8-in. pots .....$30.00 to $36.00 per doz.

Ficus Pandurata, at $2.00, $3.00, $4.00 and $5.00 each
(Branch), at .....$2.50, $3.00, $4.00 and $5.00 each

Crotons
4-in., well colored .....$25.00 per 100
5-in., well colored .....$50.00 and $75.00 per 100
6-in., well colored .....$9.00, $12.00 and $15.00 per doz.
Well colored specimens at $1.50, $2.00, $2.50, $3.00, $3.50 and $4.00 each.

Pandanus Veitchii
Beautifully colored .....$6.00 per doz.; $45.00 per 100

Cyclamen.
We are the largest growers of Cyclamen in America. The stock offered this year is the very highest quality.
2½-in. pots, very strong....$8.00 per 100; $75.00 per 1000
3-in. pots, very strong.....$10.00 per 100; $90.00 per 1000
This stock is much heavier than is generally offered in the above sized pots and will make specimen plants for Christmas sales.

Gardenia Veitchii
2¼-in. pots .....$8.00 per 100; $75.00 per 1000
5-in. pots .....$5.00 per doz.;$35.00 per 100
6-in. pots .....$6.00 per doz.

Standard Baby Ramblers, Crimson, very strong, $1.25 each.
Standard Baby Ramblers, White, very strong, $1.25 each.

CHRYSANTHEMUMS
General Collection, 2¼-in. pots, $3.00 per 100, $25.00 per 1000.

ROBERT CRAIG COMPANY, 4900 Market Street, **PHILADELPHIA, PA.**

Please mention the Exchange when writing.

Ampelopsis Veitchii

4 inch pots, grown and staked, strong plants, $10.00 per 100.

CHAS. H. CAMPBELL
3601 Germantown Avenue
PHILADELPHIA, PA.

Please mention the Exchange when writing.

Why Delay Ordering Your Begonia Gloire de Lorraine?

You will soon want them sore. We are equipped better than ever to supply Excellent Stock; 2½-inch pots, twice transplanted, at $15.00 per 100, $140.00 per 1000.
CYCLAMEN, 3-inch pots, $7.00 per 100; 4-inch pots, $15.00 per 100.
POINSETTIAS, 2½-inch pots $5.00 per 100; $45.00 per 1000.
Write us for Katalog.

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

Please mention the Exchange when writing.

Begonia Gloire de Lorraine

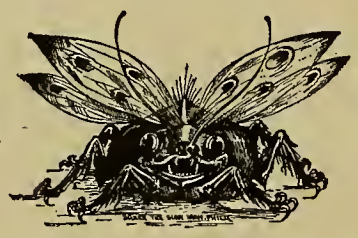
FOR JUNE DELIVERY
2¼-inch repotted Stock
Price, $15.00 per 100

SCOTT BROS.
Elmsford Nurseries, ELMSFORD, N. Y.

Please mention the Exchange when writing.

LOOK! LOOK!

Surplus Stock of Bedding Plants at Stinging Prices



I Offer These to Make Room for Arriving Importations

LAST CALL

CANNAS, J. D. Eisele, 4-in., $7.00 per 100; **Bismarck, Richard Wallace, Kate Gray,** 4-in. pots, $7.00 per 100.
BEGONIA FLAMBEAU, 6-in. pots, 18 to 24 in. high, for boxes and vases, 25c.
BEGONIA VERNON, best double pink, 4-in. 7c.
SCARLET SAGE, Clara Bedman, 3-in., 3c.
AGERATUM, blue, 4-in., 7c.
HELIOTROPE, blue, 4-in. pots, $7.00 per 100.
ENGLISH IVY, 3-in. pots, 18 to 25 in. high, $5.00 per 100.
FUCHSIAS, assorted colors, 4-in., $7.00 per 100.
GERANIUMS, La Favorite, best double white, in bloom, 4-in., $6.00 per 100; **Beaute Poitevine,** 4-in., 7c.
PETUNIAS, double, assorted colors, 4-in., $7.00 per 100, in bloom.
LANTANAS, assorted, 4-in., 7c.
NASTURTIUM, Empress of India, 3-in., 4c.
ECHEVERIA GLAUCA, good strong plants, $3.00, $4.00, $5.00 per 100.
ASTERS, German, Queen Victoria, 4 separate colors, 2-in. pots, $3.00 per 100.
ZINNIA elegans, 2½-in., $3.00 per 100.

Small plants, 2½ to 3-in., $3.00 per 100:
VERBENAS, assorted colors, **PHLOX DRUMMONDI,** dwarf or grandiflora, **COSMOS,** assorted; **COLEUS, Queen Victoria** and **Golden Bedder,** $4.00 per 100; **SWEET ALYSSUM, Little Gem** or **Carpet of Snow; LOBELIA, Crystal Palace** (blue), dwarf or trailing; **DUSTY MILLER** or **CENTAUREA Gymnocarpa.**
BAY TREES, 7 ft. high, $6.00 per pair.
PETUNIAS, Cal. Giant, 3-in., best strain, 3c.

In **NEPHROLEPIS** or **FERNS** we have the following: **Scottii, Whitmani** and **Boston,** medium size, 4-in., 20c. **Scholzeli,** medium, 4-in., 25c.

PRIMULA Obconica, 3-in., 7c.
KENTIA Forsteriana and **Belmoreana,** 25-30-48 in., $1.00, $1.25, $1.50, $1.75 to $2.00.
CRIMSON RAMBLER, Dorothy Perkins and **Lady Gay,** pot grown, 6-7 in., 35c., 40c., 50c.
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G. and F. Club of Boston

Tuesday, June 21, was not only the longest day according to the calendar, but also the hottest of the year in Boston, the temperature recorded being 93° in the shade; this fact notwithstanding, the meeting of the Gardeners and Florists' Club attracted an attendance of over 250 to Horticultural Hall. It was ladies' night and the fair sex were out in numbers, as they always are at the special functions.

Four new members were elected. A communication was read from E. Allan Peirce regarding the Rochester convention of the S. A. F., and it was very evident from remarks made that Boston will send a rousing delegation there. All who are planning to go should notify Mr. Peirce in good season, who will also be glad to receive new applications for membership in the S. A. F. The coming Boston National Show was also boomed, and all who attend Rochester will hear plenty about it. The committee appointed to consider S. A. F. entertainment in connection with the Spring show brought in a progressive report, and rather favored a banquet, on condition that the necessary trade support to finance the same be forthcoming. Definite action was deferred until a later meeting.

The coming picnic at Pine Banks Park, Malden, was announced, and everyone present seemed to want to attend the same. The committee on sports are already hard at work on the program, which will be one of the best ever gotten up. The secretary stated that Mrs. E. M. Gill of Medford, one of the Club members, would attain her 80th birthday on June 28, and on his motion, by a rising and enthusiastic vote, a letter of congratulation and good wishes was ordered to be sent her in the Club's name.

Exhibits were abundant, as usual, and included splendid Cattleya gigas, carrying 7 flowers to the sheath, from William Davies; the charming Lupinus polyphyllus Moerheimii and Campanula persicifolia Hermosa from Blue Hill Nurseries; Dahlia Jack Rose from Wm. C. Ward; and a collection of Strawberries from Wilfrid Wheeler. In addition, there were numerous contributions of hardy and indoor Roses, Sweet Peas, Carnations, Spanish Iris and other seasonable flowers, which were at the close of the meeting distributed among the ladies.

Regular business being curtailed, the entertainment for the evening was commenced and, thanks to the energy of vice-president Miller, this was the best ever had on any similar occasion. Remarks from members were judiciously sandwiched in between the songs, among the speakers being E. O. Orpet, who bade farewell with regrets to the Club on his going to Lake Forest, Ill., but he hoped to come back at intervals and visit them. He recalled the many pleasant meetings he had attended. Ex-president W. Wheeler, Messrs. Davies, Westwood, Wm. J. Stewart, and Thomas J. Grey, as well as the secretary, each made suitable addresses, the last, and Mr. Stewart, calling special attention to the Rochester convention and the National Show.

The musical talent of the evening included Miss Margaret Alexander, whose songs literally brought down the house. This young lady is the finest soprano soloist the Club has yet had the pleasure of listening to, and we hope to have her again on some bigger occasion. Mr. Neil Miller sang "Anchored" in fine style, and was warmly encored. George Collins rendered "McNab's Wedding" and one or two other Lauder songs finely; he is in many ways not unlike Lauder himself, his face being, however, a little lacking in ruddiness. John Miller, younger brother of the vice-president, sang with a clear, sweet voice and will make a fine soloist. Misses Bessie Ferguson and Edna Boyd gave several Scotch costume dances, which brought forth vigorous plaudits. Miss Rifford made, as usual, a very efficient pianist.

Refreshments very suitable for a hot night, such as Strawberries, ice cream, lemonade, etc., were served, and everyone went home in good season more than satisfied with the Club's ladies night of June, 1910. The next regular Club meeting will be held on Sept. 20. HUB.

Past, Present and Prospective of the Seed Trade of America

A paper by Francis Brill, Hempstead, N. Y., read before the convention of the American Seed Trade Association, at Atlantic City, June 21-23, 1910.

Some five years ago, when nearing the time of life allotted to the human race, I began to realize that after an experience of half a century in the seed business I knew but very little thereof as compared with the younger generation in the trade, and the thought suggested itself that what little I did know of "The Past, Present, and Future of the Seed Business of America" might interest the members of our Association and perchance some non-members.

Some Pioneer Seedsmen

As to the past, my memory goes back fully sixty years, when, as a boy, I knew personally several of the pioneer seedsmen of America, among them: Grant Thorburn, Sr., his sons George C. and William, and later on the sons of George C. of the well-known firm of James M. Thorburn & Co.; Thomas Bridgeman, and later his son Alfred, for whom I clerked in the early fifties at the old seed store, Broadway and 18th st., which locality was in those days considered "away up town," and was, in fact, in close proximity to many small market gardens, where today stand great hotels and theaters, grand residences and lofty skyscrapers, monuments to the wonderful advance of civilization and progress of the new world, and the rapid and substantial growth of the city of New York practically within three-quarters of a century; Alexander Smith, Thomas Dunlap, and Young & Elliott of New York; Robert Buist, Sr., later Robert Buist, Jr.; David Landreth, and Pascal Morris & Co. (by whom I was employed as clerk in 1857) all of Philadelphia; John Stair of Cleveland, founder of the present house of Kendel; and James Vick of Rochester. I remember well when, in 1847, Peter Henderson and his brother James came to Jersey City and bought out my uncle's establishment—market gardening and two or three small greenhouses, on rented land immediately adjoining my father's patch on the Van Vorst property. They were young men without much capital but with plenty of grit. James died early, and the business was continued by Peter, who later on was associated with one Fleming in the seed trade in Nassau st., New York, and later was the head of the well-known firm of Peter Henderson & Co.

I am writing from memory and may have overlooked some of the solid "old timers," but they will not feel slighted, for undoubtedly they have passed away, and, in company with those above named who have gone before, are now enjoying the reward promised to all who sell honest seeds, in that beautiful land "where neither moth nor rust doth corrupt nor thieves break through and steal," (Matt. 6:20), nor over-zealous Congressmen and State legislators meddle with the seedsman's business.

Futility of Seed Legislation

In this connection, I desire to say that seedsmen who deal in vegetable and flower seeds, and who handle only stocks of undoubted purity, need have no fear of any laws hatched out by members of Congress or members of State legislatures, which are absurd, uncalled for, and unnecessary, as to get rid of dishonest dealers, who sell "any old thing" that can be bought for "any old price"; just give them rope enough and they will hang themselves.

I do not handle grass seeds, but it seems to me it must be very difficult to detect foul seeds in most varieties thereof, and, undoubtedly, some of the laws enacted or proposed are very unjust.

Old Time Legitimate Prices

In my boyhood days, and even up to thirty years ago, prices were higher and profits much greater than now. Seedsmen turn their money, practically, but once a year, and in former days seeds were sold at the seedsmen's legitimate profit and not, as now too often the case, on the grocer's or dry goods merchant's margins, or along other lines where capital is turned monthly or weekly; and why have conditions changed? Simply because some of our craft, not satisfied to do a legitimate competitive business have adopted a system of cut-throat opposition. I endeavored to procure several old-time catalogs to help me out, but have been disappointed, some claiming that such had not been preserved, and a few failing to respond, although in each case I complied with the usual custom demanded. My thanks are due and hereby tendered to Mr. Fred'k W. Bruggerhof, of J. M. Thorburn & Co., for a copy of the catalog of G. Thorburn & Son—1827, 4x7 in., 96 pages—in large part a treatise on the cultivation of vegetables and flowers; also catalog of seeds by James M. Thorburn & Co.—1847—and a bound volume of their catalogs from 1864 to 1877. Mr. S. F. Willard has also kindly loaned me a "Wholesale Price Sheet" of seeds for sale by Comstock, Ferre & Co.—1849.

It is interesting to compare these with the catalogs and price lists of the present day. For instance, to take a few leaders: Comstock, Ferre & Co., wholesale—Beet, per pound, including Mangels and Sugar, 50c.; and the "Bassano" (now scarcely known) 75c.; Cabbage, mostly imported varieties, $1.25 to $1.50; Carrot, 75c. to $1; Cucumber, 75c.; Lettuce, $1.25 to $2; Melon, about 75c.; Onion, 75c. to $1; Pepper, $2.50; Radish, 50c.; Spinach, 40c. to 50c.; Squash, 50c.; Tomato, $1.50; Turnip, 50c. to 60c. In the catalog of G. Thorburn & Son—1827—there are enumerated a line of seeds, some names of varieties still familiar, while others, having served their day and generation, are no longer in vogue; for instance, the list of Cabbage seeds, mainly imported, comprises more than twenty varieties, fifteen of which cannot now be found in any American seed catalog. The various articles are not priced as now, but are prefaced by characters such as the ellipsis, or star, dagger, double dagger, parallel sign, section mark, etc., and letters (a), (b), (c) and (d), which refer to "A Key to the Prices of Esculent Vegetable Seeds" on the fly leaf at the front of the book. No pictures, no paint in those days. Prices were 12½c., 25c., 37½c. and $1 an ounce, and 12½c., 25c., 37½c., and 50c. per quart; nothing said about packets, pecks or bushels.

The subsidiary coins of those days, and up to 1857, were largely Spanish: sixpence, 6¼c., and shilling, 12½c., which accounts for the fractions. By an Act of Congress passed in 1857, the value of these foreign coins was fixed at 5c., 10c., 20c. and 40c., which soon drove them out of the country.

Flower seeds were sold at 6c. per paper, 100 papers for $5. In the 1847 catalog of James M. Thorburn & Co., we find prices quoted: Beans, per quart, Dwarf or Bush, 25c.; Pole varieties, 25c., 37½c. and 50c.; Indian Corn, seven varieties, including but one of Sweet or Sugar, 25c. per quart, 6c. per ear; Peas, fourteen varieties at 25c., twelve varieties at 50c. per quart, and seven new varieties at 25c. per packet. Very few of the names of varieties are now familiar. Beet, seven varieties, including Swiss Chard, Mangel, and two of Sugar Beet, 12½c.; Yellow Turnip and Bassano, classed as new, 25c. per ounce; Cabbage, twenty-six varieties, including Kohl-Rahi and Savoys, two-thirds of which are now unlisted, 25c. per ounce; Carrot, two varieties for table use, 12½c. per ounce, two varieties for cattle, 75c. per pound; Celery, 25c.; Cucumber, Early Frame and Early White Spine, 12½c.; Long Green Southgate, Long Green and Long White Turkey, 50c. per ounce; Lettuce, twelve varieties, six at 25c. and six at 50c. per ounce; Egg Plant, $1 per ounce; Melon, 25c.; Onion, 25c. and 50c.; Parsley and Parsnip, 12½c.; Pepper, four varieties, 50c., Sweet Spanish and Sweet Mountain, $1 per ounce; Radish, twelve varieties, 12½c.; Spinach, 12½c.; Squash, 12½c., 25c. and 50c. per ounce; Tomato, Large Red, Large Yellow, Cherry and Pear, only four varieties, probably enough for those days, as I have heard my father say that he could well remember when there was not a half peck of Tomatoes sold in New York City—he was born in New York City in 1800, and as a market gardener dated back to 1828 at Jersey City, N. J.—Turnips, sixteen varieties, including two Ruta-Baga, are listed at 12½c. per ounce; Flower Seeds, 6¼c., and a very few at 25c. per packet. There are too many kinds of flower seeds to enumerate, but I must note, by way of comparison, the universal favorite Sweet Peas, of which hardly a dozen varieties, including everything under the head of "Lathyrus" are mentioned, while today there are varieties and sub-varieties, types and strains, running into the hundreds.

I have a daughter married to a member of an extensive seed growing firm in California. A few years ago in writing home she said: "The soil of this section does not admit of our having such magnificent lawns as are common in the East, but we have one hundred and forty acres of Sweet Peas in our back yard." The next year three hundred and sixty acres were grown, last year five hundred acres, and still a greater acreage soon to be harvested in 1910. This is only on one ranch, and probably not one-fifth of the annual output of Sweet Peas in the wonderful State of California, where thousands upon thousands, yea, hundreds of thousands of acres are cultivated for seeds of every description, from Beans and all sorts of vegetable to the very finest in flowers.

By chance I have found a copy of my 1860 List—a one-sided sheet, 5x9 inches—with prices to market gardeners: Asparagus, 75c.; Beet, 75c.; Cabbage, $5 to $6; Carrot, $1.25; Cucumber, $2; Celery, $4; Leek, $2.50; Lettuce, $4; Melon, $1.50 to $2; Onion, $1.50 to $2; Parsley, $1; Parsnip, 75c.; Pumpkin, $1.50; Radish, 75c. to $1; Spinach, 63c.; Squash, $1.50; Tomato, $3 and Turnip, 75c. per pound; Egg Plant and Pepper, 50c. per ounce.

All figures are by way of comparison with prices ruling at the present day. It is true that conditions have changed, and very materially so within the past twenty-five or thirty years.

Sources of Seed Supply in the Fifties

Seventy-five years back there were very few regular seedsmen in America, and they depended mainly upon Europe for their supplies. Sixty, and even up to fifty years ago market gardeners, to a great extent, grew seeds for their own sowing and aimed to have a plenty, hence frequently they had a surplus which was eagerly sought for by the few seed dealers, who were willing to pay good round prices, and did not "kick," as is sometimes the case in these days, if a few pounds were sold here and there to neighbors who chanced to be short. I well remember, sixty years ago, how the five market gardeners on the VanVorst property at Jersey City interchanged seeds, each one growing one or more kinds and selling surplus to seedsmen. Dr. Tracy of the Department of Agriculture, whom all of you know, writing of "Vegetable Seed Growing as a Business" asserts: "Records of only about forty-five firms that were in business in this country as distinctly seed merchants previous to 1862 can be found, while a list of American seedsmen published in 1908 includes the names of over eight hundred American firms whose sole business is the growing and handling of seeds; with more than six hundred and fifty other firms making seeds an important part of their business."

Were it not for making my paper too lengthy, I would like to quote further from Dr. Tracy, whose article is full of information, and as a whole very interesting. I must, however, beg to differ with him, wherein he says: "Fifty years ago there was little general appreciation, even among experienced gardeners, of the importance of the quality of the seed used (provided it only would grow) as a factor in determining the real profit in growing a crop." My observations were quite to the contrary. I will cite just one instance: My father and my uncle were the first to grow the Early Wakefield Cabbage in this country, having received it from Europe about 65 or 70 years ago, and it remained in the hands of the five Jersey City market gardeners for a number of years. Among those who were eventually attracted to its good qualities was one John Lundergan of Watervliet, near Albany, N. Y., whose custom it was for several years to come down to my father every Fall and buy seeds of various kinds, especially Early Wakefield Cabbage. Upon one occasion my father's crop thereof was almost a total failure, so when Mr. Lundergan came there was no seed of that variety for him. My father had explained to him that his entire crop was but a single pound, which he must retain for his own sowing for market and for growing seed in subsequent years. After trying all sorts of persuasive argument, Mr. Lundergan drew from his wallet a $50 bill which he offered my father for that one pound of seed, but without avail.

That was a matter of *confidence*, the corner-stone upon which the seed business, more than almost any other, must rest for a successful upbuilding.

I am writing hurriedly and somewhat disconnectedly. I am very busy, and my health none too good; so you will kindly pardon any imperfections.

The Government Free Seed Distribution

In regard to the Government free seed distribution: If such must exist, why not confine it to seeds of American production, the best of their kind that can be procured, ignoring entirely all commonplace stocks, and importing, if at all, only new and rare things, not yet introduced into this country? But "Uncle Sam" will have to get around early to get ahead of the enterprising, hustling seedsmen.

A Policy of "Live and Let Live" Desirable

Now, in conclusion, why is it that while almost every other business is protected in some manner, working along in perfect harmony, so many of our craft are at sword's points, cutting and slashing? I am utterly and unalterably opposed to trusts and combinations organized for the purpose of greed and robbery, but as "self-preservation is the first law of nature" why should not we work together for our mutual benefit? If I am correctly informed, the members of the Wholesale Seedsmen's League have an understanding among themselves as to prices at which seeds shall be sold, not exorbitant, but giving legitimate profits. Why should not our Association formulate some plan whereby every branch of our business can be honestly protected? Ridiculously low prices are not an incentive to gardeners and farmers to buy large quantities—each one knows for himself just how much seed he must have to produce a certain number of plants, or to seed a given acreage, and whether the seed costs $1 or $10 per pound he buys the necessary quantity, entirely unlike living commodities, meats, for instance. If beef sells for ten cents per pound the laborer will buy more beef for his family than he will at twenty cents per pound. The same argument applies in the purchase of wearing apparel and other necessaries of life.

I have given you an idea of prices prevailing half a century and more ago. You know what they are in these days. Of course Europe with its cheap labor, and California with its even climate and many other superior advantages, are important factors in making prices with which other sections have to compete; still, I am of the opinion that it is up to our Association to take action whereby all may live and let live.

At the age of seventy-four, I can hardly expect to attend many more conventions. My relations with my fellow seedsmen, as a whole, have been pleasant. I thank you for your patience in listening to such a dry and "seedy" subject. If I never again meet with you in convention, I trust that we may one and all meet in the Good Seedsman's Paradise. I shall endeavor to at least be entitled to a rear seat.

THE FLORISTS' EXCHANGE
A Business Paper For Business Man

Greenhouse Construction and Heating

Copyright, 1910, by A. T. De La Mare Ptg. & Pub. Co. Ltd.

By JOHN A. PAYNE

[Readers desirous of further information on any subject mentioned in this series will have their questions freely answered. Address your envelopes Construction Dept., care of this paper]

Article IV—Continued

Material and Construction

The sections, Fig. 28, show another type of sash roof house supported on wooden rafters, the whole construction being of wood, but a little farther advanced than the house shown in Fig. 27. The inner section shows the complete outline of the house, and the larger broken scale section illustrates the details of the various parts. The house shown in the drawing is 14 ft. wide outside of the posts, and is intended for the use of one hotbed sash and the special vent sash at ridge, but the dimensions given are such that it is possible, by the use of a longer sash at ridge, to extend this house to a width of 20 ft.

The general construction of the sides of the house, from the eaves to the grade, is the same as that described for the house shown in Fig. 27; that is, the posts are placed in the ground, and to them is secured the siding, covered with asphalt felt paper, but in this instance the eaves of the house are raised up 4 ft. above the grade so that the house may be used for raised benches, if desired, without sinking a walk.

The posts, "A," shown are 3 in. x 3 in., placed 6 ft. apart, but midway between these it is well to place a 3 in. x 2 in. post so as to stiffen the siding. These posts may be either of Locust, Chestnut, Cedar or Cypress, to which is secured the matched sheathing "G," with the asphalt paper "H," from the top of the sheathing to the grade line. A Cedar or Cypress outside siding would make a much better finish, as before mentioned, but would increase the cost; and as our object in connection with the cheaper grade of houses now being considered is to present the lowest priced house that can be constructed, the felt paper only is employed, owing to its cheapness, and it will be found to give fairly satisfactory results.

The rafters shown at "C" should be of 2 in. x 4 in. Cypress and be placed 6 ft. centers and secured to the top of the posts "A." These rafters are cut away at the eaves line as shown, to receive the 2 in. x 3 in. eaves plate "B," which extends the entire length of the house. These plates should be spliced with a long splice over a post, the splice being painted with white lead before being put together. The rafters are also cut at the top, as shown, so as to receive the 2 in. x 5 in. Cypress ridge, which also extends the full length of the house. These members being all nailed together form a wooden framework which will stand alone.

The Cypress purlins, "F," are made from 2 in. x 3 in. material and extend between the rafters, to which they should be securely nailed. These purlins are used to support the roof sash as shown on section. On top of the ridge is placed a 1 in. x 3 in. Cypress cap, which is securely nailed in place, and to which the top sash are hinged for ventilating purposes, galvanized steel butts with brass centers being used, and two butts being allowed to each 3 ft. wide sash. As before stated, the roof of the house is constructed completely of sash, supported on the rafters and purlins as shown in the drawing.

The lower sash, marked "J," is an ordinary 3 in. x 6 in. Cypress hotbed sash, which should be constructed with not over three lights in width, if possible, and each sash should be firmly secured to the eaves plate, "B," and purlin, "F."

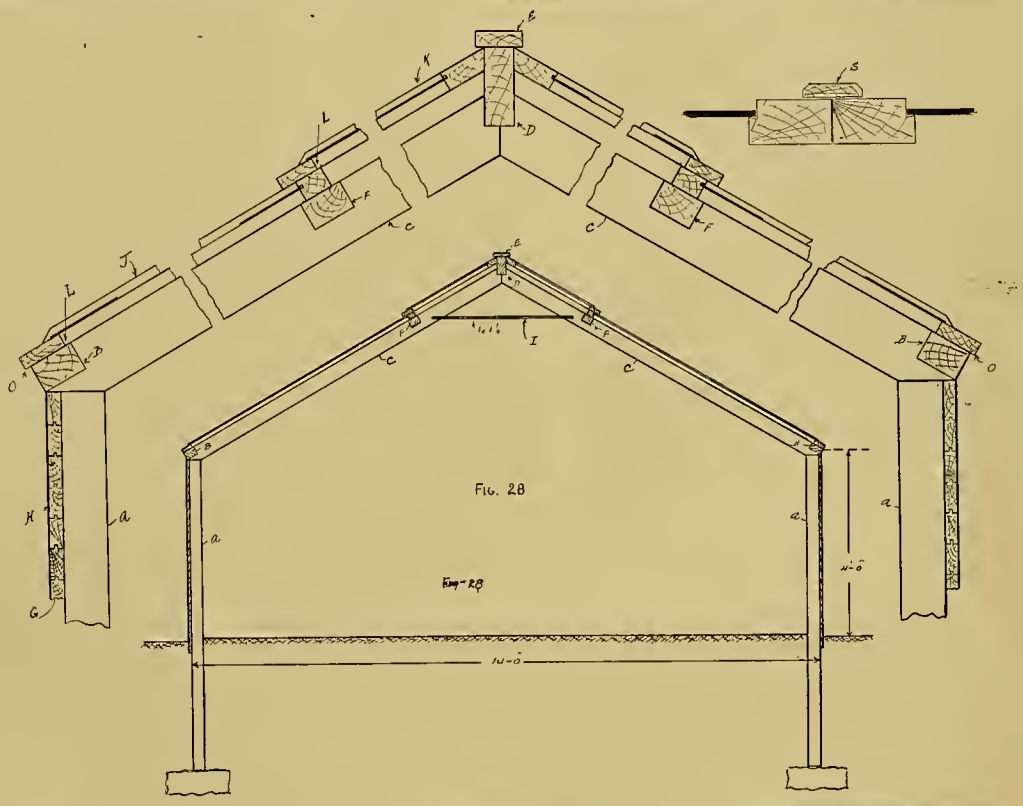
"K" shows a shorter sash reaching between the top rail of sash "J" to the ridge. Each alternate sash on both sides of the ridge is used for ventilation. The other alternate sash should be firmly secured to the top rail of sash, "J," and to the ridge.

These ventilating sash can be secured from the manufacturers who furnish hotbed sash; or, of course, if it is desired to use regular bed sash instead of these special ventilating sash, this can be done by increasing the width of the house; but it would be advisable, if the width of the house is increased to admit of using two hotbed sash on each side of the house, to place a pipe support beneath the center of each of the 2 in. x 4 in. rafters, "C," about midway between the ridge and the eaves.

The top sash could be operated with push rods, which should be drilled with several holes so as to admit of opening the sash the required amount. This, of course, is the cheapest means of opening the ventilating sash; but if the house is of considerable length, it consumes a good deal of time to operate these singly by hand, and, if it is desired, the sash may be operated with a line of pipe shafting and the regular ventilation machinery which, while they add a little to the cost of the house, save considerable in the matter of labor in the opening and closing of the sash.

Drip channels, "L," are formed by placing the bottom rail of the sash a short distance below the top edge of eaves plate, "B," and by placing the top edge of the bottom rail of sash "K" below the edge of the top rail of sash "J," thus forming two channels in which the water of condensation will collect; and by grooving at intervals the under side of the bottom rail of sash "J," and of "K," this water is allowed to pass directly outside, thus the house, in a very simple manner, is made absolutely free from drip.

Each of the rafters should be tied together with a flat iron 1¼ in. x ¼ in. tie rod, "T," as shown, each one of the tie rods being secured to the rafter by means of a lag screw at both ends. In placing these in position it is well to force the rafters up a little in the center, so that when the lag screws are screwed up and the support is removed from the rafters the pull will come on the tie rod.



Ideal Bench Construction Reported Not Solved

Readers, Please Note!

Having received a communication from a correspondent bringing before us the fact that improvements in bench construction had not kept pace with the improvements in the construction of the greenhouse itself, and stating that at the present time he did not know of any form of bench construction which was thoroughly coming up to the requirements, and with the object of securing an expression of opinion from those who have built benches and who can furnish the necessary data, we have formulated the following questions:

1—Cost of the materials
2—Cost of erection
3—Durability

and so as to get this information in as concise a form as possible we have divided the various makes of benches into classes as follows:

Wood { Cypress, Hemlock, Pecky Cypress

Iron { Pipe or angle iron frames, wood sides and bottoms; Pipe or angle iron frames, tile bottoms, wood sides; Pipe or angle iron frames, cast iron bottoms and sides

Concrete { Solid poured in forms; Built up with blocks

Brick

Tile

If some of our readers, having used any one or more than one style of bench of those enumerated above, would send us in whatever information possible regarding each of the constructions (bearing in mind points 1, 2 and 3), their material will be collated and published in such shape so as to be available for reference, and we feel sure that in this way we will be able to get at considerable information which will be of benefit to all growers, and no doubt some information will be elicited to assist in solving the bench problem, so as to bring this part of the construction up to the present day standard of the balance of greenhouse construction work.

[Bench Construction is one of the most important details in connection with greenhouse building. We ask you, reader, to write us your experience; no names will be mentioned but from the mass of information received Mr. Payne will undoubtedly be enabled to reach conclusions that will be of dollars and cents value in his summary of the most advisable forms of bench erection. For your own benefit and that of your brother florists let us have your experience.—ED.]

The American Gladiolus Society

The officers of the American Gladiolus Society are extremely busy these days. The large volume of inquiries and requests for membership application blanks demonstrates the great popularity of the Gladiolus today, and the importance and necessity for such a society. The interest in this movement is not confined to America, for two of the great specialists of Europe are among our charter members, and our first meeting at Boston developed a strong sentiment for an international society.

There is much encouragement in the fact that the amateurs have taken hold of this movement so enthusiastically. This was evidenced by the large enrollment of amateurs on the charter list at the Boston meeting. Since I sent in the list of prizes for the Rochester exhibition, contributed last week, the following have been received:

Stumpp & Walter Co., New York.—$10 in gold for the best 12 shades in any varieties.

Weeber & Don, New York.—$10 in gold for the best 10 varieties to include Baron Hulot, Princeps and Contrast, 3 spikes each.

A. L. Miller, Brooklyn, N. Y.—$5 in gold for the best display of pink and white varieties, 3 spikes each of at least 6 varieties.

F. R. Pierson Co., Tarrytown, N. Y.—$10 in gold, class to be decided later.

E. H. Cushman, Sylvania, O.—$5 in gold for the best vase of 25 spikes white, any variety.

Arthur T. Boddington, New York.—$10 in gold, class to be decided.

John Lewis Childs, Floral Park, N. Y.—$10 in gold for the best collection of Gladioli, Childsii varieties, 3 spikes each, to include Attraction, Blanche, Cardinal and Wild Rose; and $5 in gold for the best vase of America, not less than 12 spikes.

I. S. Hendrickson, Floral Park, N. Y.—$5 in gold for the best vase of Contrast, not less than 12 spikes.

J. M. Thorburn & Co., New York.—Silver cup for the best collection of Gladiolus Primulinus, type and hybrids, exhibit to be made by an amateur.

L. MERTON GAGE, Cor. Sec.

Orange, Mass.

FOUNDED IN 1888

THE FLORISTS' EXCHANGE

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Telegrams.—Telegrams received in this office up to 3 p.m. Wednesday, containing changes in advertising, will receive attention for the issue of the Saturday following; likewise, telegrams having informative matter intended for our news columns will be received up to Thursday 9 a.m. News telegrams should be forwarded after 5 p.m. Wednesday and marked "Night Press Message, Collect." These will be forwarded by the Telegraph companies at their newspaper rate, providing the material so forwarded contains news for the paper.

The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

The American Carnation Society

Registrations

The following Carnations have been registered by F. Dorner & Sons Co., Lafayette, Ind.:

Gloriosa (No. 42 '06).—Parentage, cross between seedlings under number. The color is a magnificent shade of pure light pink; growth is a true commercial type; early and continuous flowering; excellent stem and calyx; has a working habit that produces quantities of bloom without a break; size 3¼ ins. and over.

White Wonder.—Parentage, White Perfection×Seedling under number. Color pure white; size 3½ ins. and over; has all the White Perfection qualities improved, larger flower, stronger stem, stronger growth; makes nearly double the sized plant in the same length of time, thereby largely increasing its productiveness.

A. F. J. BAUR, Secretary.

Indianapolis, June 18, 1910.

Publications Received

CHRYSANTHEMUM SOCIETY OF AMERICA: Proceedings of the Eighth Annual Meeting held at the American Institute, New York, Nov. 10-12, 1909. This publication, in addition to the full report of the proceedings and papers read at the time of that meeting, gives a list of American and foreign varieties of Chrysanthemums disseminated in the year 1909. This list seems to have been carefully prepared. Foreign varieties named as having been disseminated in 1909 comprise only those varieties which have been disseminated in America.

EVANS' ANNUAL FOR 1910: Plant Diseases and Insect Pests.—This is a very interesting and attractive brochure which has been prepared and printed by R. E. Evans, F. R. H. S., Stratford-on-Avon, England. Mr. Evans is a chemist of considerable reputation and an extensive manufacturer of sprays and preparations wherewith to combat insects and fungous diseases; therefore, the information reported in the pages of this little book can be looked upon as authoritative. Condensed information is supplied as to the various ills of which the advertised preparations are preventives or cures; the diseases and insect pests are described and in many cases illustrated, rendering it a simple matter to ascertain how to locate the source of the trouble and then apply the remedy. The publication is unique in that it admits the advertisements of many other concerns manufacturing a similar line of goods, as well as those of specialists in sprayers, etc., making of this book quite a handy reference.

S. A. F. Bowling

A. F. Vick, chairman of the bowling and sports committee wishes to get in touch with the various bowling clubs who contemplate taking part in the contests in August. It is therefore desired that the captains of teams will communicate with Mr. Vick at once, to enable him to have some idea as to how many will attend.

Rochester, N. Y. H. B. STRINGER, Sec. R. F. A.

Wholesale Grass Seed Dealers' Association

The Wholesale Grass Seed Dealers' Association held its second annual meeting at Atlantic City, N. J., at the Hotel Strand, on June 21 and 22. Albert McCullough of Cincinnati is the president; C. F. Wood, Louisville, Ky., secretary.

Reports of the officers and the proceedings of the Executive Committee during the year passed showed much work done of substantial benefit to the entire seed trade in the way of enlightening our law-givers as to the needs of the trade generally, and an earnest desire was manifested to carry on the good work in the future so auspiciously commenced. The following directors were elected on June 22 to serve for three years: Chas. D. Boyles, Chicago; John A. Smith, Toledo, O.; A. E. Reynolds, Crawfordsville, Ind.

The National Spring Flower Show

To Be Held in Boston Last Week in March, 1911, Under the Auspices of the S. A. F. & O. H.

Acting as chairman of the Board of Control, which will have an active supervision of all matters in connection with the approaching great show, Mr. Frank R. Pierson has appointed the following gentlemen as members thereof: J. K. L. M. Farquhar, Patrick Welch, Thos. Roland, E. Allan Peirce. The above are all local men, thus able to get together at short notice and guarantee quick dispatch of any and all pressing business.

The gentleman who has been appointed as manager and secretary of the Flower Show, Chester J. Campbell, has been eminently successful in handling automobile and other large shows, and thus has the experience necessary for success in this direction. This gentleman's principal duties will be to obtain a publicity for the exhibition that will draw visitors in paying numbers and to look after the thousand and one little things which make for a successful outcome. He is to receive no salary, but for his work will be paid one-third of the profits after all expenses have been settled; as a further inducement to create and bring about a large trade exhibition, the manager will receive one-third of the rentals paid by exhibitors.

Mechanics' Building, in which the exhibition is to be held, is extremely well fitted for the purpose selected. Its first floor is sufficiently lofty to allow of liberal decorative treatment, and the structure itself is sufficiently large to hold the entire exhibition under one roof almost without regard to the size the said exhibition may assume. There are also several separate halls so that four or five separate meetings or functions can be going on at the same time.

The American Rose Society and the American Carnation Society will formulate schedules for their own exhibition at this show.

Mr. Pierson is a very busy man these days and has been worked to the limit. He considers that the preliminaries of the National Spring Flower Show are now well in hand and his mind is somewhat relieved on that point. In addition to this onerous duty, Mr. Pierson is, as the majority of our readers know, mayor of Tarrytown. Just now he is as well chairman of a committee that is endeavoring to raise a fund of $75,000 for a hospital in Tarrytown, and is also chairman of the Y. M. C. A. of Tarrytown fund which is endeavoring to raise $100,000, John D. Rockefeller promising to give $35,000 of this providing the remaining $65,000 is raised by July 1.

The Proposed New York Plant and Flower Market

There was a public hearing before the Board of Aldermen's committee on streets, highways and sewers, at City Hall, New York, on Monday afternoon, June 20, on the resolution to establish a plant and flower market under the Queensboro Bridge at 59th st. and First ave. About forty growers, and many other interested persons were in attendance.

The chief opposition came from the growers of Staten Island. Borough-president Cromwell of Richmond opened the proceedings for the opposition, stating that he had been requested by the florists of his borough to object to the location of the market, owing to the distance of their establishments, the haul to the Canal st. market being now as much as their horses could stand. Queens and Brooklyn florists were, he said, just as well served by the Canal st. market, and to make the proposed change would present an unnecessary hardship to the Staten Islanders.

Chas. Hunt, florist, of Port Richmond, made a lengthy address endorsing Mr. Cromwell's remarks. He and his neighbors wanted a market, but wanted one they could get to. Staten Island itself, he said, had many disadvantages in comparison with the other boroughs. He went into mileages and other particulars in support of his contention that the haul to Canal st. was the limit of the draught horses' possibilities; but later, upon cross examination he admitted that deliveries of stock were continuously made around the 28th st. district.

Alderman Cole of Richmond also supported the opposition.

The venerable John D. Crimmins opened the case for the market supporters with a long address which was largely of a historical character, tending to show that the new location was, geographically, a correct one, and had been a recognized horticultural center from the earliest days of the city. In his opinion the market would enable poor people to purchase flowers much more cheaply than they could now.

Alderman John F. Walsh, of the Borough of Manhattan, spoke strongly in favor of the new market. Relief of congestion, easy transportation and centralization were his main arguments. Centralization he said, was particularly important, especially to dealers, who necessarily largely outnumbered the producers. There was hardly a phase of the question, he declared, which could be taken up where the evidence was not in favor of the 59th st. location as against Canal st.

A. L. Miller, president of the N. Y. Florists' Club appealed strongly for the new market. Such a market, he said, should be in the most convenient neighborhood. If a permanent market was established at Canal st. he believed very few florists would go there, as conditions would not be improved.

Alderman Ehrtholt of Queens also made an address favoring the 59th st. location.

John Birnie pointed out the need in New York for a plant market, something the city had never had. The plant and flower markets of European cities were show places. Plants and flowers should not be luxuries, he thought; they should come to the public with the least possible expense. Staten Island's difficulty could hardly be helped. Long Island florists, many of them, were equally handicapped in regard to distance. A proper plant market would not be for the growers' use alone, but also for the people of the city. The establishment of the market would bring with it not only the flower trade, but kindred interests would be represented in the neighborhood, and the value of property all around would be enhanced.

W. H. Siebrecht, Jr. pointed out that many more growers would be benefited by the shorter haul than would suffer by the longer one, as the growers on Staten Island were exceedingly few in number.

A Mr. Schorz, a business man in the neighborhood of the bridge, supported the market project on account of the increased value of property around the market which would result, and which would offset, in a degree, the loss of business which had been sustained through residents moving over to Long Island.

Another resident of the neighborhood favored the market proposition through the influence it would have on the children of the neighborhood who, he said, "hardly knew a flower from a bull's head." Have the flower market there and a great educational influence would be at work. It would be a blessing to the children, and to their parents and others as well. There could be nothing more beautiful than flowers and music.

Anton Schultheis said it seemed to him that it was "in the air" that the market would be established. There had not been a real flower show in New York City for a number of years. At the proposed site a grand show could be held and the children could see the flowers. It would elevate their characters and ennoble them. The market would embrace an area of 32,000 sq. ft. and more, and every grower, no matter how small, could add his little mite to the stock offered, and show what he could do. There would be shows there that would beat the park shows.

A. L. Miller, speaking of the movement to use the property in request for playground purposes pointed out that the market proper would be over early in the mornings, and there would be lots of room for the children to play in the open in the afternoons.

Park Commissioner Stover was present, and stated the position of his commission in the matter.

After the hearing the committee went into executive session, and decided to report the proposition favorably to the full board.

The influence of different colors of light on the growth of plants has been made the subject of experiment in the Botanical Garden of Dresden, Germany. The Mimosa was selected, as being peculiarly sensitive, and plants of the same were exposed to various colored panes in the hothouses. The tests, as summed up, showed that the several parts of the plant stood up under white light; carmine exerted a similar influence, although the formation of the leaves was diminished; orange stimulated the growth of the plant, especially that of the flowers, while the leaves developed insufficiently under green light. Violet, blue and brownish tints exerted a very unfavorable influence, for under all these colors the plants deteriorated and remained dwarf.—*Der Handelsgaertner.*

Florists' Hail Association

Reports continue to reach Secretary John G. Esler of damages to greenhouse glass through the heavy hailstorm of last Saturday. In addition to our report headed "Hailstorms," printed on page 1135, losses resulted at Mount Pleasant and Tamaqua, Pa. and Marlboro, N. Y.

A. N. Pierson's New Roses

It has already been noted in these columns that A. N. Pierson, Inc., has registered a sport of Killarney, originating with him in 1908, which has been named "Red Killarney." This sport is identical with Killarney, except in color, which is of a much brighter tone and shows a strong tendency toward red; in fact, some blooms have been cut as dark as Richmond, while the average for the entire year has been somewhat lighter than that of Richmond. This variety will probably not be disseminated until after 1911.

Mr. Pierson has still another Rose which he will register and which he describes as a Dark Pink Killarney, to be disseminated in 1911. This Rose was purchased from the Montrose Greenhouse, Montrose, Mass., and it is understood to be a great improvement over Killarney in color all through the year, being especially bright throughout the Winter. This is an entirely distinct sport from the Red Killarney which originated at Cromwell.

Mr. Pierson also has a very valuable light pink sport of My Maryland which he is getting out for 1912 dissemination and which will be registered later.

Among the Growers

NYACK, N. Y.—Continued

R. C. Pye

Fourteen houses, with about 35,000 ft. of glass, make up Mr. Pye's range, which is divided into two sections, one of east and west houses, and another of north and south houses, by his working and packing shed. In one house of the north and south section is grown yellow and white Antirrhinum, obtained first from planting seed one season, and then after the bloom and habit of plant is observed the same Summer cuttings are taken which give the stock from which to grow the following year, because Antirrhinum cannot be depended upon to come exactly true from the seed. About four houses are used for growing Carnations, about 10,000 plants, white and pink Enchantress only, in solid beds. This season some Dorothy Gordon and Alma Ward will be tried. Some Beauty of Nice Stocks and some Christmas pink and white Sweet Peas are grown. A sash house of Beauty of Nice and Queen Alexandra Stocks, grown as cool as possible, are now looking very fine. Some bedding plants are also grown.

In the east and west section of the range Roses are grown. The varieties are My Maryland, mostly own root plants, pink and white Killarney, and Kaiserin. The third crop of Kaiserin is now on and the plants are in excellent condition, but white Killarney is such a strong rival of Kaiserin in the earlier crops that Mr. Pye raises the question whether Kaiserin will pay.

A house of My Maryland, mostly own root stock, but with enough grafted stock so that a comparison can be made, is in very nice condition and is giving a good cut of fine blooms. On some plants five to seven fancy blooms are coming from one break. It is noted that the own root plants are giving better results than the grafted plants, and furthermore that where some My Maryland and Killarney are in the same house the former is entirely free from mildew, while it is very difficult to keep mildew off the Killarney. A house of white Killarney is looking particularly good and giving fine blooms.

The side walls of these Rose houses have been torn away and the space between them—they are three-quarter span houses—has been glassed over, making, practically, lean-to houses in which Asparagus plumosus is successfully grown. Mr. Pye is beginning to grow some Water Lilies, mostly of the hardy varieties, and also has taken up some landscape work.

One of the attractive features of this establishment is a handsome bungalow made out of field stone. Mr. Pye constructed it with his own force of men, from his own plans. A substantial arched cellar extends under the whole bungalow. The inside arrangement of rooms is very convenient, and they are nicely finished, including a neat fireplace built of stone taken from the Hudson.

A substantial luncheon spread in the dining room of this new bungalow by Mrs. Pye was partaken of with that relish that comes to an EXCHANGE representative when out on a tramp among the growers, and a drive afterwards with Mr. Pye to some other growers, and through some parts of beautiful Nyack, added still further to his pleasure.

The Florists' Exchange is exclusively a Trade Paper Prices at which stock is offered in these columns are intended for the Trade only.

E. H. Pye

The establishment of E. H. Pye, brother of R. C. Pye, in whose company the place was visited, is beautifully situated right at the foot of Hook Mountain and above the Hudson, in Upper Nyack. Mr. Pye's range consists of seven houses, with 20,000 ft. of glass. Four houses are used for growing Sweet Peas. The varieties used are Christmas Pink, Florence Denzer, which is found to be a week earlier than Christmas Pink, and Watchung, which is found to be earlier than any other, and a few Mrs. Alexander Wallace. The Sweet Peas are grown directly in the soil of the greenhouse. The seeds are sown in August, and some of the earlier varieties bloom in the last of October. Asparagus plumosus nanus is growing in one house, and is in very fine condition, in fact it is some of the best observed.

One house, with solid beds on a stone foundation, affording good drainage, is used for Roses; one bed to My Maryland, and the rest to Kaiserin, part grafted and part own root stock. The Kaiserins are carried over stock. The Roses show good culture and are looking well.

Adiantum Crowenanum grown in one lean-to house is now producing some good fronds. Some Stocks also are grown.

English Plant Notes

Arabis albida fl. pl.

A hardy plant I have not seen referred to in the EXCHANGE is Arabis albida fl. pl. It is only a few years since this double form was introduced, but owing to its rapid growth and easy rooting qualities, there is scarcely a garden in this country that does not possess it. I remember, when first it appeared, a friend purchased one plant, and in three years he was throwing away barrow loads of it. Although as free as the old single form, commonly called "Snow on the Mountain," the variety referred to is infinitely superior, for the flowers are carried on longer stems, and at a short distance might easily be mistaken for Lily of the Valley. Planted on banks or rockeries, Arabis albida fl. pl. becomes a thing of beauty; but it lends itself to pot culture, and is also extensively used for covering beds planted to Tulips. In many English parks one may see this Arabis covering such beds, the snow-white flowers making a charming groundwork for the Tulips. The flowers are largely used for florists' work, being only a little inferior to good double Stocks. Arabis is perfectly hardy and after flowering every shoot will root in the open ground, if kept shaded and watered.

I might add that a new form recently introduced is Arabis albida fl. pl. variegata, this novelty having beautifully variegated foliage.

Strangely enough, when propagating my own plants recently, I found a plant with one variegated shoot, but unfortunately for me it has appeared a bit too late.

Mulleins

The term "Mullein" is used by many to define the popular hardy plant botanically known as Verbascum. One of the natural species is frequently found in our hedgerows, but although pretty it is not comparable with some of the wonderful varieties now being evolved. The most striking of these is Caledonia, which carries 4 ft. spikes of deep amber, or coffee colored flowers. It is a most striking garden plant, perfectly hardy, and therefore worthy of notice. Up to date the nearest to a white Mullein has been V. phlomoides. Harkness & Sons of Bedale, Yorks., are shortly to introduce a new white, believed to be a hybrid between V. phlomoides and V. longifolium. It grows 6 ft. to 8 ft. high, and makes a noble border plant. The best yellow Mullein is V. densiflorum, which produces giant spikes of glowing yellow.

Two New Rambler Roses

It appears somewhat strange that the Rambler Roses introduced in America should be overlooked, somewhat, until their value is made known in this country. Numerous varieties, especially those raised by the one and only Walsh have conquered the British growers, not only in private circles, but in the market establishments also. Few of the great growers in the United States appear to specialize in the growing of these wonderful Ramblers, and those who do, apparently do not keep up with the novelties being introduced. That wonderful variety, American Pillar, ought to have caught on, immediately, yet until it reached this side, and was shown by H. Cannell & Sons, no one, save the raisers, Conard & Jones Co., seemed to handle it.

In the same way Coquina has been overlooked; but it is a certain fact that after consideration of the wonderful plants shown by Paul & Son, at the Temple Show, this variety is going to be a winner. Nothing like it has ever been seen, and if your Rose forcers want something in pink shades that will cause a commotion, let them grow Coquina. As shown by Messrs. Paul it is a sheer mass of bloom, and, being single, it makes a fine companion to Hiawatha. The color is variously termed porcelain pink, salmon pink, buff pink, etc. Certainly, it is the loveliest pink Rambler I have seen; and although I am enthralled by the charms of Lyon Rambler as a double variety, Coquina is too lovely to be slighted.

Speaking of Lyon Rambler, I might add that this variety has a worthy companion in Excelsa, a new crimson pink double, raised by Paul & Son. The fact that it secured an award of merit proves it to be a worthy novelty.

New Introductions in Trollius

Among the May-flowering hardy plants nothing finer than the Trollius can be found, and it is worth recording that several firms, both here and on the Continent, are busily working upon this brilliant yellow Buttercup. A few of the very latest and most striking novelties were recently shown by James Cocker & Sons of Aberdeen, and their names are: Bronze Queen, vivid orange; King George, Golden Sun, and Golden Crown, each a shade paler than the other; Springhill Beauty, deep rich yellow; and Yellow Prince and Lemon Queen, paler shades. Hitherto Orange Globe has been my favorite, but I must confess that the novelties named captivate me.

Incarvillea Growing in Popularity

Another hardy plant that has won many friends since its introduction is Incarvillea Delavayi. It has, however, a great rival in the new I. grandiflora brevipes, the color of which is richer and brighter. The Incarvillea is not entirely hardy in very cold or wet situations, but with a little care it can easily be kept alive through the Winter. A simple but definite description of this plant is "hardy Gloxinia," the flowers bearing some resemblance to the Gloxinia. T. A. WESTON.

PETUNIA HYBRIDA FL. PL. CONCORDIA.—The Concordia Petunias introduced three years ago by the firm of F. Roemer of Quedlinburg, Germany, have been improved within this time, by careful selection, to a notable degree. This year the firm is introducing two further improvements, C. fimbriata kermesina and C. fimbriata inimitable. Like the parent plant, these two varieties are worthy of especial notice, as all the good qualities of the former have been transmitted to them. At least 60%, and sometimes as much as 75%, come true from the seed. The double varieties of Petunias formerly on the market developed no seed on account of the form of the pistil and, in order to obtain seed from them, their pollen had to be transferred to the ripe stigma of single flowers of which the stamens had been previously removed. But even then only 25 to 30% of double plants were obtained in this way. The Concordia Petunias, however, have a well-developed pistil, so that the different double varieties can be cross-fertilized without the aid of single-flowering varieties.—*Der Handelsgaertner.*

Obituary

Charles Eissner

Charles Eissner, aged 56, a well-known confectioner and florist of the East End, Pittsburgh, Pa., died recently at his home, 224 Emerson st. He conducted stores at 6103 Penn ave., Pittsburgh, and at 827 Wood st., Wilkinsburg. He was a member of the Knights of the Maccabees and of the Pittsburgh Board of Trade. He never was married and leaves one sister and a brother.

Alfred Tilton

Alfred Tilton, for seventy years a resident of Cleveland, O., died June 8 at his home, 3329 Walton ave., S. W., Mr. Tilton was born in 1834, and came to Cleveland when he was but six years old. For many years, and until a few months ago, Mr. Tilton had been engaged in the seed business. He was well known in Cleveland, and from 1886 to 1890, was a member of the Board of Education. Two daughters and three sons survive.

Dr. Levi Lesslie Lamborn

Dr. Levi Lesslie Lamborn, 83 years old, died at his home in Alliance, O., on June 14. He was born in Chester County, Pa., in 1827, and had resided in Alliance over fifty years. At one time he was a prominent banker there and laid out the first allotment of land there for real estate speculation. In 1876 he ran against the late President McKinley for Congress, lacking 200 votes of winning. As an orator and writer he ranked among the best in the State and in latter years wrote extensively for magazines and newspapers. He became well known as the author of "American Carnation Culture."

The late President McKinley's love for the Carnation was developed by Dr. Lamborn, who, while campaigning against the late President in the Congressional fight, distributed boutonnieres of Carnations. Dr. Lamborn and President McKinley were warm personal friends. Dr. Lamborn's wife, who died five years ago, was a niece of General Grant.

THAT subscription to F. E. you have been thinking of taking out for a brother florist! Why not send it in now?

Dimorphotheca aurantiaca at Burpee's Seed Farm at Floradale, Lompoc, Cal.

Photographed expressly for The Florists' Exchange

Burpee's California Seed Farm

In order that our readers might be kept informed of the work going on and progress made on one of the latest established seed farms in California by an Eastern house, and, too, that the many friends of Edwin Lonsdale might be given an idea as to how he was succeeding in his new surroundings, we recently had our Los Angeles representative, P. D. Barnhart, editor of the Pacific Garden, visit Floradale, and the results of his investigation follows:

This recent acquisition of the W. Atlee Burpee & Co. of Philadelphia is located in the Lompoc Valley three milest west of Lompoc. To any one not familiar with this State and its peculiar climates—I use the plural of the word for the sake of accuracy—the mere statement of fact regarding the location would not be of much importance, therefore I shall be specific as to the locality and some of its peculiar climatic conditions. David Starr Jordan, president of our university is reported to have said that in forty miles of territory of California as many varieties of climate could be found. Approximately, the statement is true.

The Lompoc Valley is ten miles long and about half as wide. It is located on the Coast, 172 miles north of Los Angeles, 303 miles south of San Francisco. At that particular point on this coast the word Pacific is a misnomer. The contour of the land is such that the wind is more incessant and more violent than at any other place between the two cities named of which I have any knowledge. As an evidence of the correctness of that statement, the beach at the entrance of the valley is piled high with driftwood, Lompoc is 93 ft. above sea level. The valley is enclosed by hills which are probably 200 ft. high and these are the sides of the channel through which the sea breezes flow in volume, and with a velocity not met with elsewhere in southern California. Consequently, the atmosphere is more humid and the average annual temperature lower than elsewhere south of San Francisco, and because of these favorable climatic conditions Sweet Peas grow here to perfection.

The size of the farm at Floradale is forty acres. Not large, to be sure, as compared with other seed growing establishments on this coast, but kept in such perfect order that the managers of some others we know of could pattern after it greatly to the improvement of their places. Twenty-five acres are in Sweet Peas, which are in beds 900 ft. long and 6 to 12 ft. wide. They are separated from each other by beds of Onions, Beans, Centaurea moschata, crimson-flowering California Poppies and a strain of Shirleys, reference to which will be made later on.

He who looks upon that field covered as it is with ribbons of red, crimson, scarlet, pink, white, primrose, mauve and maroon, without a spot upon them to mar their beauty, must be a dullard indeed if his heart is not enraptured with the scene and the word "beautiful" does not escape his lips. The seed sown seems to have been so pure and the types so fixed and reversions are so few that the work of "roguing" was a very small part of the bill of expense in connection with growing the crop to the present time.

A strange reversion occurred in the George Herbert lot of seed, a beautiful brilliant carmine pink flowering variety. From some unaccountable cause, it had a few pure white flowering plants among them. The seeds of a few of these are to be saved for future experiments.

The majority of the varieties grown are of the Spencer type, and Countess Spencer, the original, is there in quantity in all its glory and is hard to beat.

To describe the different shades of different colors which distinguish the different varieties one from the other is a difficult thing to do. I shall leave that part of the work which has been assigned me by the editor of The Florists' Exchange, to the man or woman who shall make up Burpee's catalog for 1911. I shall only give the predominating color of the twenty varieties of which I made note, and what more could be desired by the most fastidious florist who grows Sweet Peas. No pen is capable of conveying to the mind of any reader an intelligent idea of the exquisite shadings of the flowers of the Sweet Pea; they must be seen to be appreciated, and understood.

COUNTESS SPENCER. A soft rose pink.
AURORA SPENCER. Variegated white and pink.
APPLE BLOSSOM SPENCER. Deep pink and soft rose on silvery white.
ASTA OHN. Soft lavender; this is a wonderfully beautiful colored variety.
TENNANT SPENCER. Light purple of peculiar shade.
FLORENCE MORSE SPENCER. A light pink-edged Countess Spencer.
PRIMROSE SPENCER. A pronounced primrose or creamy-yellow throughout, both standard and wings.
MRS. ROUTZAHN SPENCER. Apricot, suffused with delicate pink.
ELSIE HERBERT. White ground, picotee edging.
OTHELLO SPENCER. Rich deep maroon.
WHITE SPENCER.
GEORGE HERBERT SPENCER. Bright rosy carmine.
KING EDWARD. Deep carmine scarlet.
ROSE DU BARRI. Red.
ST. GEORGE. Standard pure orange; wings orange carmine.
BEATRICE SPENCER. White ground tinted with pink and buff.
HELEN LEWIS. Rosy pink.
MRS. A. IRELAND. Standard rosy pink; wings of a lighter shade. For a soft colored Sweet Pea, this is a beauty.
EVELYN HEMUS. Which is probably even superior to Mrs. Ireland.
JAMES GRIEVE. White shaded cream color.

A strain of Shirley Poppies is grown here with the intent of eliminating the white margins from the edges of the petals. The crimson-flowering California Poppy occupies two beds, 6 ft. wide by 900 ft. long, and is very true to the type. To be sure, there are varying shades in so many plants, yet not a reversion to the original type is seen. As a novelty this is promising and desirable. Personally, the only shade in our Eschscholtzia which appeals to me is the dark orange color which makes our landscape, when they are in bloom on sunny days, appear as though it were covered with fire without smoke.

A native Phacelia with indigo colored limb and white throat, the flowers twice the size of P. Whitlavia, is being grown and will be heard from in the future. Here, for the first time, have I seen Physalis Peruviana grown for sale. It is of more than ordinary merit as an economic plant where the temperature does not go below 28° nor the humidity above 50 per cent. when the temperature is low. It is one of the few plants which blooms and bears fruit continually—and the fruit is delicious. It is a perennial and drought resistant to a remarkable degree. If Mr. Burpee shall succeed in inducing horticulturists who live in countries having climatic conditions such as I have descried to plant this fruit he will be a public benefactor.

Work was not begun on this farm until late in last December (1909) and, considering the short space of time, the achievements are marvelous, and I venture to say that within five years the acreage will be quadrupled, and the production of high-grade seeds in great variety will be the result, for it is a well established fact that nowhere else in the world can certain lines of seeds be produced with as high germinating power as are grown in the matchless soil and climate of California.

This thought of germinating power had a singular illustration of the vicissitudes of plant growing on this place this season in the case of the crimson California Poppies. Three rows were sown on the same day, from the same seed, one hundred ft. away from the two beds previously referred to and here illustrated, and not over ten per cent. of it grew. The cause of the failure is what the superintendent is trying to figure out. So also with a number of Sweet Pea trials, seeds of which were sent here for testing.

Three thousand acres of Kentucky Wonder Beans are growing in this valley this season, and probably as much mustard. The height of this crop is about six feet and the tops are so dense that it would be difficult for a bird to penetrate them; it will soon be ready to harvest.

Cherries grow here to perfection. Whether Currants and Gooseberries, for which we pay fabulous prices in Los Angeles, would do well I have not learned; I have reason to believe that they would.

Begonias, Bougainvilleas and Fuchsias are not seen about the town, and I was reliably informed that Lima Beans will not ripen seed in this valley, yet 96 miles farther South is located the great Lima Bean section of the State—Ventura and the country surrounding—another instance which may be cited as illuminating this thought of the varied climate of the State.

Clematis Jackmanni does better at Lompoc than in any other section in which I have seen it tried. The temperature at 7 a.m. has not been above 51° to the present time this season, and at noon June 13 it was but ten degrees higher.

And now about the superintendent, Edwin Lonsdale. Some men never grow old and he is one of the number. The right man in the right place with the enthusiasm of youth, the wisdom of manhood, and endowed with the ability to carry out to perfection, large plans with all the details essential to the production of good seed, true to name. Handicapped by a late beginning, a new and strange climate, which had to be studied, inexperienced help and lack of equipment, he showed his ability to overcome difficulties. If his life is prolonged and his health remains good, here is a combination: Lonsdale, California soil and climate of superior excellence for producing seeds of the hardy and half-hardy class of plants, which will furnish the seed trade of the United States with certain kinds of stock of the greatest excellence.

Two native plants of more than ordinary merit, the one a member of the family Papaveraceæ, an annual, seeds of which I shall furnish; the other, one of the Caryophyllaceæ, a perennial, of wonderful beauty, seeds of which Mr. Lonsdale will collect from the plants grow-

Comprehensive View of Burpee's Sweet Pea Field at Floradale, Lompoc, Cal.

Photographed expressly for The Florists' Exchange

ing in the hills near by, will be grown the coming season, and if Burpee's catalog for 1912 contains two novelties, natives of California, don't be surprised.

The photo showing a bed of Dimorphotheca aurantiaca was taken for the express purpose of illustrating a feature of plant growing in this State. This subject, like Calendula, is of no good in the southern part of this State if the seeds are sown after December, but when planted in September, both are gorgeous during our Winter months. At Lompoc, with its lower temperature and no hot winds to interfere with its development, the plant is all that could be desired, in a yellow flower, at this season of the year. It, like our Eschscholtzia, does not open during dark cloudy days.

The C. C. Morse Seed Co. of San Francisco has 60 acres of Sweet Peas growing in this valley. A representative of the firm was there to inspect the crop and, to my question as to which of the two places showed the best results, he said the Lompoc Valley was superior to the Santa Clara Valley this season. Certainly the same is true in regard to the great acreage devoted to this crop near my own city of Los Angeles.

P. D. BARNHART.

Bone Meal as a Fertilizer

The advantages of bone meal as a fertilizer are set forth in an article in a recent number of the Revue Horticole, from which we quote the following paragraphs.

1. It is an economic fertilizer. It is cheap as compared with horse manure, for instance, and taken quantity for quantity has a much greater fertilizing power than the very best stable manure; the latter should be kept as a luxury for hotbeds or for forcing.

2. It is convenient. Every gardener knows what trouble it takes to get good stable manure. But there is no such difficulty with bone meal, nor with chemical fertilizers. Bone meal will keep indefinitely in a dry cellar, in a barn, under a wagon shed, or in any other protected place, the only thing to be guarded against being dampness.

3. The decomposition is slow and lasting; the effects extending over three, four or five years, at least. This has been proved under the most unfavorable conditions; for instance, in a nursery there is nothing more ruinous to the soil than the raising of young trees. Yet plots receiving a single treatment of bone meal (50 kilos per are=1100 pounds to the acre) remained extraordinarily fertile for a period of five or six years without the application of any other fertilizer, and at the end of that time they still produced fine vegetables.

4. Bone meal is a perfect fertilizer, especially to be recommended for clayey soils, but also good and complete for any other kind. Considered scientifically, it is rich in mineral salts of all kinds, limestone, phosphates, fluorides, manganese, etc. This chemical composition will become clear, if we consider the way in which bones are made. On being born, the animal whose skeleton will some day furnish the bone meal, has a flabby, mucous, cartilaginous or fibro-cartilaginous body; little by little, this skeleton absorbs mineral elements, which are introduced into the body by food and becomes more and more solid, substantial and hard, as the animal's growth continues. While the food consumed may be either flesh or vegetable, the vegetable elements will sooner or later appear as the elements constituting the skeleton. For the carnivorous animals eat the substances which the herbivorous animals have assimilated from their vegetable food. And this is the important point to note: the mineral elements of the bones are furnished exclusively by the vegetables. The elements found in the bones are therefore identical with those found in the vegetables, and consequently bones are the best and most perfect fertilizer for vegetables.

5. Bone meal is a slow but very easily assimilable fertilizer. Unlike animals, which take only salt and water directly from the mineral kingdom, depending on vegetables to assimilate for them the mineral matter they need for their sustenance, vegetables can take their nourishment direct from the mineral kingdom, out of the rock and the soil; but they must expend an enormous amount of energy in order to combine the elements in the proportion needed, and they must labor to send out roots, often many and far away, to find what they want; and it is this demand on their strength which hampers the free growth of the plants. But this work of finding their living is greatly lessened for them if they are provided with those same elements in a form already combined, organized, and vitalized, namely as bone meal. Moreover, this meal being in the form of a fine powder, mixes easily with the soil and is at once accessible to the roots.

Bone meal has abundantly proved its value in practice. Aside from the results in a nursery, as stated above, it has given excellent results in the culture of Asparagus and other vegetables, small fruits and flowers. In orchards it must be applied a little more carefully. Being largely calcareous in its constitution, it must be fed only sparingly to trees like the Pear, Apple or Chestnut, which do not thrive well with limestone. But it is excellent for fruit with pits, like the Peach, for the Grape, and the Fig, promoting a vigorous growth and abundant crops. Gardeners of experience say unhesitatingly that nut trees and Cherry trees, planted in soil enriched with bone meal, are good for twenty years, instead of the ordinary twelve.

Taken all in all, bone meal is a fertilizer that has stood the test, and it should recommend itself even to the most skeptical.

English Horticultural Notes

Plant Novelties Among the numerous plants certificated at the R. H. S. meeting on June 7, none are likely to fill much of a place on your side. Your American Robinia Kelseyi, making a new tree with rosy purple flowers, received an award of merit. It is doing well at Kew. A pale yellow Persian Ranunculus (from Clark, Dover), called Evening Star, won a card; also Veitch's dwarf zonal Geranium White Queen, with pure white flowering, freely produced. An improved pot Heliotrope called Favorite, from the King's Acre Nurseries, Hereford, will find a place, and some new Sweet Peas, Autumn sown seeds, from Hemus, Upton-on-Severn, German Irises, from Wallace, Colchester, and a Carnation or two, were each good in their way.

Orchids A collection of 180 large paintings of Orchid flowers, from a lady artist, got a gold medal. These paintings were representations of certificated varieties, and were lent on show by the various owners thereof. It may interest some of your Orchid people to know that the Royal Horticultural Society pays for and keeps carefully executed paintings of many of the distinct and good Orchids which obtain certificates. The full record of percentage, etc., is put upon the back of the painting, and is there in case of any query arising in the future. * * * In my former notes I said that Rochford's Orchids were to be sold. The plants went at a very cheap rate, possibly because so many were put on the market at one time. Mrs. Cookson's duplicates of famous varieties were also recently put to auction, and the rich collection of the late Baron Schroeder may also be disposed of. Enormous progress is being made in hybridization here and in France and Belgium. * * * A book on Orchids is now being written by Mr. Charles H. Curtis (who is secretary also of the Sweet Pea Society). The publishers are Messrs. Dent & Co., who have also connections in America, and the price will be one guinea ($5). There will be a goodly number of colored plates, but the publication cannot take place for some months.

Roses An English publishing firm, Stothard, Piccadilly, London, also announces a great work on "Roses of the Old and New World," sumptuously prepared, with drawings and colored plates, the output limited to 1000 (subscribed) copies.

J. HARRISON DICK.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: "Saw your advt. in F. E."

W. P. Stark

Elected President American Association of Nurserymen at Denver, June 9, 1910

We present herewith a portrait of W. P. Stark, who was elected president of the American Association of Nurserymen at its recent convention at Denver. Mr. Stark is treasurer of Stark Bro's Nurseries and Orchards Co. of Louisiana, Mo., which firm was established in 1825 and is now under management of the third and fourth generations of the Stark family. Mr. W. P. Stark is well known throughout the country as a progressive nurseryman, and the company of which he is an officer is one of the largest, if not the largest nursery concern, in the world. Mr. Stark was formerly president of the Missouri State Board of Horticulture and last year was vice-president and chairman of the Traffic Committee of the American Association of Nurserymen. He has all his life been connected with Stark Bro's Nurseries & Orchards Co., and is the leading spirit in that institution.

The Rock Garden

Perhaps the most popular feature in gardens of any pretension is the rock garden, and the specialists who deal with this phase of gardening are very numerous on this side, and include ladies. Rock gardens are always to be seen at R. H. S. Spring meetings and at the Temple Show they are done on a large scale.

T. A. W., Eng.

View at the W. Atlee Burpee & Co.'s Floradale Seed Farm, Lompoc, Cal.

George Herbert Sweet Pea Row containing a few plants of a white variety, the seeds of which are to be experimented with next season. Crimson-flowering California Poppies on either side.

Photographed expressly for The Florists' Exchange.

American Seed Trade Association

TWENTY-EIGHTH ANNUAL CONVENTION

Hotel Strand, Atlantic City, N. J., June 21, 22, 23, 1910

THE AMERICAN SEED TRADE ASSOCIATION closed a successful meeting at Atlantic City on Thursday, June 23. Seven years ago they held a meeting at Atlantic City, at which time Walter P. Stokes of Philadelphia was the president, Hon. S. F. Willard secretary. They then elected Mr. Willard to the presidency and he was highly commended by Mr. Stokes when installing him into that office. Both these gentlemen are now away in Europe, it being perhaps the first meeting that Mr. Willard has ever failed to attend.

The weather throughout the dates of the meeting was delightful and all other conditions favorable. There was a representative attendance and, under the leadership of Mr. J. C. Robinson, and prompted by his genial personality, every feature of the three meetings moved along smoothly and harmoniously. His address at the opening was sound and wholesome and thoroughly practical, and of itself confirmed the good judgment displayed in his election a year ago. Reports by the secretary and treasurer, C. E. Kendel of Cleveland, showed that the membership was holding its own, and that the finances were in an encouraging condition.

Election of New Members

The following new members were duly elected: Herman Simmers of J. A. Simmers, Toronto; J. Edward Schultz, Washington, D. C.; Diggs & Beadles Co., Inc., Richmond, Va.; J. F. Noll & Co., Newark, N. J.; H. G. Hastings, Atlanta, Ga.; Frank W. Howard, Pittsfield, Mass.

President Robinson proposed for honorary membership F. W. Bruggerhof of New York City, who was unanimously elected; that gentleman was informed by telegram and returned his acknowledgements and regret at inability to be present at convention and banquet.

Membership Fee in Future, $15

In order to carry out certain proposed good works it was proposed to raise the membership fee to twenty dollars (double the former dues); this was amended to fifteen dollars and in such amended form unanimously adopted.

Report of Delegates to National Board of Trade

Albert McCullough, one of the delegates to the National Board of Trade, the other being W. Atlee Burpee of Philadelphia, presented their report, in part as follows: It is the aim of the National Board of Trade, of which the American Seed Trade Association is a constituent member, to keep all of the trade bodies supporting the Washington headquarters informed of what is going on. This will enable every commercial organization in the United States to come in direct contact with the various committees of Congress to arrange for hearings before committees of the House of Representatives and the Senate and to co-operate with a representative committee of the National Board of Trade, so that opinions and the influence of the business men of the country may be exerted during the entire session of Congress. The transportation interests, conservation of national resources, diplomatic and consular service, banking and currency, renewal of trade treaties, and postal affairs were among the important questions and subjects taken up at the last meeting. Mr. Frank D. La Lanne, president of the National Board of Trade, has been appointed by Secretary of State Knox as delegate to represent the United States at the Fourth International Congress of Chambers of Commerce and Commercial and Industrial Associations, to be held in London, England, June 21, 22 and 23, 1911.

The questions to be taken up by the Congress are many and all of national interest. W. Atlee Burpee has been appointed a member of the council, and Albert McCullough one of the managers of the National Board of Trade. Under the presidency of Mr. La Lanne the Board has taken on new life and, through its commissioner, Mr. Anderson, its work will be felt this coming year more than ever before. The American Seed Trade Association is at liberty, at all times, to call upon the commissioners for information as to what is going on in Congress and in this way can keep posted and properly advised when there is any bill introduced in which it is directly interested.

Miscellaneous Business and Committee Reports

Chas. H. Breck, C. H. Coy and W. F. Jones were appointed as an Obituary Committee.

Chas. H. Breck, E. L. Page and C. F. Wood were named as Committee on Recommendations in president's address.

The Committee on Customs and Tariffs, J. C. Vaughan, chairman, reported they had received no complaints as to the workings of the present Payne law, although the average advance in duties is probably from thirty to thirty-five per cent. over what was paid on an ad valorem basis. The customs operations, as to seed importations, are being handled with less friction than ever before.

The next proceeding was the reading of Francis Brill's paper; this will be found in full on page 1110.

No report was presented from the Committee on Irrigation of old Eastern sections nor from that appointed to confer with the national organizations of nurserymen and florists.

The Auditing Committee, Simon F. Leonard, John W. May and Harvey Mixon reported the Association's books to be O. K.

The delegates to the National Council of Horticulture presented their report through Secretary Kendel, showing continued good work and progress, and the usual sum was voted for use of the Press Bureau of the Council in the interests of the seed trade.

President Robinson announced that Prof. Chas. D. Woods of Orono, Me., was unable to be present to deliver an address on "State Legislation, Present and Future," and expressed his regret, in which the convention joined.

Reports of Committees on Seed Legislation

George E. Green, chairman of the Committee on Seed Legislation, submitted a comprehensive report showing the condition of present and probable future legislation and the work done in enlightening Legislatures and Congressmen as to the true conditions of supply. He recounted the work done in Boston last December through the conference of representatives of various seed organizations and the National Association of Official Seed Analysts. At that meeting it was the unanimous conclusion that when seed legislation was enacted by the various States it should be reasonably uniform in character, so that interstate transactions shall be restricted as little as possible. It was quite generally conceded that if reference to germination can be kept out of seed laws it will tend to unify efforts all along the line to protect the public and the trade as well. The committee believes that quality restrictions should be only such as are necessary to protect against fraud, but should leave commerce free. A bill was prepared and is being considered that will include these views and which, it is hoped, will tend to uniformity in legislation on seed subjects.

Correspondence was read showing a liberal attitude on the part of Congressmen and a desire to inform themselves fully before enacting laws which otherwise, without due consideration and information, could not help but be hurtful to all interests and futile to safeguard the public. Representative Mann expressed his determination to refrain from hasty and ill-considered action and is willing to receive views of seedsmen and others. No legislation should include, under the same provisions, the widely different classes in production and use, such as garden seeds and bulbs on the one hand as opposed to Grass and Clover seeds on the other. Arbitrary standards are declared against for the reasons given that the best methods of testing seeds for purity and germination now in use are not sufficiently uniform and accurate, and the vitality of seeds is not sufficiently staple to warrant imposing heavy penalties for sale of seeds falling below a certain arbitrary standard. While purity and germination constitute the only basis available for arbitrary standards, they are by no means a complete or accurate measure of the actual value of seeds to the user thereof. Many other qualities enter into the value of seeds, such as color, size, locality of production, trueness to type, excellence of strain, etc. These considerations make it manifestly unjust to allow the terms "United States Standard" to be applied indiscriminately to all classes of seeds of certain varieties which might reach certain standards of purity and germination. This is but reasonable under conditions where the apparatus and methods for making tests are only now in process of evolution and not by any means perfect. No legislation should restrict or prohibit exportation of any class of seeds having commercial value in any foreign country; for example, there are climates and countries where Dodder does not thrive and there is no sound reason, either commercial or moral, for absolutely prohibiting exportation of such seeds. On the contrary, such prohibition would tend to cause such seed to be re-sown within our own country. If the original Mann Bill had become a law it would have absolutely disorganized all existing methods of handling the seed business. If any large proportion of many proposed State laws had passed it would have had the same result. But the prospects are that future State laws will be guided by wisdom; this is ardently hoped for.

Chas. N. Page, vice-chairman in charge of State seed legislation, in his report dealt with the State aspect. He declared that seed dealers have never seriously objected, as a class, to reasonable legislation which was intended to serve a good purpose, but most of the earlier bills introduced were unjust, ill considered and unfair and therefore merited condemnation at the hands of legislators, as the purpose of such bills showed an ignorance of the conditions under which the seed trade is conducted, and it would be absolutely impossible in many cases for seed dealers to carry out the projected provisions. The seed trade protests against any legislation which would make law-breakers or criminals of honest men who are engaged in a reputable and useful calling and who are willing at all times to assist in the preparation of reasonable legislation.

A paper by Curtis Nye Smith of Boston, counsel for the American Seed Trade Association, entitled "The Relation of State Seed Laws to Interstate Commerce" was read. This is printed in full on page 1119. The essayist received a vote of thanks from the Association and Mr. Smith was re-employed as its counsel for the ensuing year.

W. Atlee Burpee's paper entitled "The Spencer Type of Sweet Peas" was then read and is here given.

The Spencer Type of Sweet Peas

Last month, on the very day that we were leaving for California, I received the program for this convention and regretted to find that your president had put me down for a paper on "The Spencer Type of Sweet Peas." I felt then that the proper preparation of a paper would be impossible, as I could only return from California a few days before your convention. However, in taking a walk in the early morning of May 31, around the village of Lompoc, I was so impressed with the fact that while there were acres of the finest Spencers grown in that beautiful valley, both upon our own and other seed farms, yet nearly all the Sweet Peas in the village gardens were of the old grandiflora type. I determined then that if time would possibly allow before your convention I would certainly try to say something that might help increase the enthusiasm for this wonderful new race of gigantic Orchid-flowered Sweet Peas.

Returning yesterday, I was pleased to find that, despite the unfavorable and backward season, most varieties of Spencers in our trials at Fordhook are now sufficiently in bloom to illustrate to all of you who may favor us with a visit on Friday the wonderful distinction of this unique type.

Last evening, in considering how I could best say anything to still further advance the growing interest in Sweet Peas of the Spencer type, I picked up the book about Sweet Peas published this year by my friend Walter P. Wright of England, and upon reading his introductory remarks felt that no words of mine could so well express, as he has done, the wondrous beauty of the seedlings of Countess Spencer. With your permission, therefore, I shall first quote from Mr. Wright:

"It was Henry Eckford who made the Sweet Pea the great flower that it is. It was he who gave it its huge public. He delighted amateurs with new and beautiful colors and with improved form. He enlarged the flower, and added grace, substance and symmetry to it. It was loose—he gave it regularity. It was flimsy—he made it solid. It was ragged—he knit it together. The standard was badly notched—he went a great way to filling the gap up. But, mark you, he did all this without robbing the flower of its fragrance. If he had done that—but why speculate? He did not; he kept it as sweet as he found it.

"Eckford did so much that there really seemed little more to do when he drew towards the close of his busy and beneficent life. But the Sweet Pea was ever a secretive flower, and at long last, when the secret of her loves, so long held inviolable, had been wrested from her, when all about her seemed known, and when a hundred beautiful daughters surrounded her—then she laid down another card.

"Something came with a vengeance, but it was not the Buttercup yellow, nor yet the Gentian blue. It was not the development of color at all, but of form. We gaaped in sheer amazement. This astonishing flower had made an absolutely new, revolutionary, cataclysmic, prestidigitatory, thaumaturgic change in the form of its standard. Left comfortably smooth and flat by Eckford, it suddenly threw a variety with a standard that was heavily waved or crinkled.

"A waved standard! And with it increased size of flower! A crinkled standard in itself might not have vanquished us, for it might have meant a flower of shrivelled and meagre appearance; but Nature seemed to have resolved to carry her new Sweet Pea scheme through thoroughly, and increased the material in the petal to allow for the folds.

"The waved flower reigns. While my pen flows along the paper in shaping these words, the thought crossea my mind: Has the Sweet Pea other revolutionary secrets in her keeping? Shall I have to modify the first sentence of this paragraph when I write an introduction to the twenty-fifth edition of the present work? I know not. All I know is that in this, the tenth year of the twentieth century, the waved Sweet Pea reigns.

"It reigns supreme, unchallenged. It has taken the Sweet Pea world by storm, and by the appeal of its wonderful beauty has brought thousands of new devotees

into the fold. All the world yields to its beauty and grace."

The original Sweet Pea of this new Giant Waved type was found in 1900 at Althorp Park, Northampton, England, by Mr. Silas Cole, gardener to Countess Spencer—after whom it was named. Mr. Cole seems to think it was the result of a cross of Prima Donna with another seedling, made in 1899. The fact, however, that the same waved form of flower, although of smaller size (Gladys Unwin) was found by W. J. Unwin of Histon, Cambridgeshire, England, and also identically the same variety as Cole's Spencer was found in a row of Prima Donna in the gardens of Henry Eckford, would seem to prove that this new type has been entirely "created" by Nature without any immediate aid from man—a sort of natural, or rather ought I to say unnatural and most remarkable evolution?

My friend, Mr. Robert Sydenham of Birmingham, England, purchased the original stock of Countess Spencer from Mr. Cole and sent the seed to us, in 1902, to grow for him. He introduced this variety in England in 1904. With his kind permission we first offered it the following year (1905) in America, and at the same time introduced also Mrs. Sydenham or Orange Countess (which is now known as Helen Lewis) and Florence Spencer, a selected strain of which is now known as Florence Morse Spencer. In this same season of 1905 we introduced a mixture which we called "The New Race of Gigantic Orchid-flowered Sweet Pea Seedlings of Countess Spencer." At the same time we had, of course, advised our friend, Mr. Sydenham, of the remarkable "break" in Countess Spencer, and told him that in a few years, from separate selections being made, we hoped to have many different colors. We did not realize then how difficult it would be to fix these sports of Countess Spencer, nor in fact how much careful selection and re-selection would be necessary to really establish even the original Countess Spencer and the other two varieties introduced that year (1905) on a basis of fixity where they could be depended upon to come true from seed.

The tendency of the original Countess, and all her children, to sport has been, however, really a blessing in disguise, for now by careful work on the part of American and English growers not less than forty or fifty varieties have been fixed so that they come practically true from seed. None but the grower, or those in close touch with the growing of Sweet Peas, can have any idea, however, of the amount of patience and time involved in this selecting and re-selecting.

In the grandiflora type of Sweet Peas it was rarely that the same sport, or seedling of the same character, occurred in more than one place. The same year that Henry Eckford introduced the Duchess of Sutherland we introduced Modesty, and both proved identical. The same year Messrs. House & Son introduced Lord Nelson we introduced Burpee's Brilliant Blue, and both proved identical. The only other case of identity in new varieties of the grandiflora type which I can now recall is that after introducing Aurora, the next season in visiting my friend, the late Henry Eckford, at his home in Wem, he showed me where he had the same variety but had not up to that time introduced it.

The fact that frequently the same colors in Spencers have occurred simultaneously with different growers in England and in America shows almost conclusively that these were all "creations" of Nature, or sports, rather than the result of cross-breeding by man, although, of course, such new varieties were only made possible by the breaking up into different colors and advancing of the grandiflora type by the late Henry Eckford who well deserves his imperishable fame as the "Father of Sweet Peas."

In most cases the new varieties of the Spencer type have retained the same coloring as the grandiflora varieties. For this reason and to prevent confusion we adopted the plan of giving descriptive names with the word "Spencer" added, as in the case of Burpee's White and Primrose Spencer, Apple Blossom Spencer, Aurora Spencer and King Edward Spencer. One illustration of the occurrence of practically the same new Spencers in England and America it might be worth while to give. In 1908, at the luncheon given by Mr. Leonard Sutton, at Reading, England, to the visiting members of The National Sweet Pea Society of England, in his introductory remarks he said that while the Spencer type of Sweet Peas was making wonderful progress, he thought it would be a long while before any Sweet Pea could become more popular, or more beautiful than that named for His Majesty King Edward VII. In replying, I told Mr. Sutton and his guests that the vice-president of the Society, Mr. Cuthbertson, whose gardens I had just visited in Essex, and ourselves each had a Spencer form of King Edward VII ready for introduction in 1909, but that I would gladly agree to call it King Edward Spencer. After further consultation with Mr. Cuthbertson he thought, however, that his was a little different from ours, therefore, his firm (Messrs. Dobbie & Co. of Scotland) introduced theirs the same year as "The King."

It is worthy of note that the varieties of Spencer Sweet Peas, which are of the same color as existing varieties of the grandiflora type, generally come more readily true to color than do those which combine with the distinctive large waved form of the Spencers, also new colorings. While King Edward Spencer and The King both came quite true from seed, yet Mrs. Routzahn, which we introduced the same year, being of an entirely new combination of colors (light apricot and straw) sported so badly that an entirely new re-selection was necessary. Similar coloring introduced in England (Mrs. Henry Bell) behaved in like manner. We have had a similar experience, much to our regret, the past season. Of the four varieties introduced this season by Messrs. Morse and ourselves, Senator Spencer, Marie Corelli and W. T. Hutchins come quite true, while the beautiful Miriam Beaver (deep apricot and straw) has broken so completely that we shall have to withdraw this variety from sale, probably for several years at least.

Our trials show that new English varieties, possessing new combinations of coloring, sent out this season with equally good faith, have also behaved in a similar manner, so that it will require considerable courage and patience to persist in re-selection and establishment of these new colors.

One word more about the curious sportive character of the Spencer type. We were very pleased with the trueness to type of the selected stocks of Spencers this season on our own farm and the farms of several other growers in Santa Barbara and Santa Clara counties, but noticed one of the most remarkable examples of sporting that we have ever seen. The best re-selected stock of George Herbert, in fact, a stock that originated with our friends, Messrs. C. C. Morse & Co. (and to which their Chinese gardener, Henry Chu, in his enthusiasm had given the name of James Lick) we found both growing on their grounds and on our own, came absolutely true except for one sport and that was a *white-seeded white Spencer* of which there was fully 5 to 8 per cent. Examination of the seed left over from planting showed that there was not a single white seed in the lot. We have allowed a few plants of this white to stand, marking same to see whether we should have to lose all faith in being able to tell, when in bloom, a white-seeded white from a black-seeded white!

With the splendid work now being done by the National Sweet Pea Society of England, seconded by our own new American Sweet Pea Society, growers, generally, are awakening to the fact that the fair fame of new introductions in the Spencer type rests largely with them in being able to restrain their enthusiasm for at least a year after they consider they have sufficiently established a new color ready for introduction.

The seed of Sweet Peas of the true Spencer type can never be produced nearly so cheaply as the grandiflora type. The roguing that is necessary is not merely to remove off colors, but also to see that the type be not allowed to deteriorate to the grandiflora form. While most free blooming, the true Spencers have the unfortunate characteristic of dropping the majority of their blooms without setting pods. So noticeable is this that the Gardeners' Chronicle, of London, last September said: "It would not be an exaggeration to say that some of the choicest Spencers do not yield a tenth of what the old varieties do, and this in a favorable season."

If the Spencer type of Sweet Pea is to maintain and extend its present popularity, growers, generally, must aim at quality and be satisfied with a much smaller quantity of seed from a given area than has ever been recognized as a good crop of the older types.

This paper is already longer than intended and I shall not attempt, therefore, to enter into any description as to the different varieties of Spencers, but shall have a number of assistants with "Finders" in our trials at Fordhook, when we have the pleasure of your visit on Friday, and I shall have there, also, several hundred copies of our little book "Sweet Peas Up to Date," in which all those who are interested can check the varieties that appeal most pleasingly to each.

Dr. W. W. Tracey, of the Department of Agriculture, Washington, D. C., in commenting on W. Atlee Burpee's paper, said: "It was especially interesting because it brought out some principles of seed growing which are not generally recognized, namely that there is a gradual development in a species as a result of which we have a sudden break in varietal character. Such breaks may occur in a number of different locations, yet be identically in each case the same variation and, when occurring, it is comparatively easy to establish an entire new race based on such variation. The same principle is illustrated as developed in the case of Beans where there was an occurrence of the dwarf form of Lima Beans which was previously unknown and, in a single year, developed in a number of different places and from a number of different varieties the same dwarf habits.

This paper was further discussed by Messrs. Vaughan, Tracy, Keeney and Leonard. On request, Mr. Burpee made a report on the California crop conditions as observed by him in his recent travels through that State. Other crop reports were made by Messrs. Keeney, E. B. Clark, S. F. Leonard and J. C. Robinson. This was a much appreciated feature and will be enlarged upon in future conventions.

Assistant Secretary of Agriculture Hon. W. M. Hays referred to the new departure in statistics adopted by the International Institute at Rome, as being similar to reports in this country by the Department of Agriculture. It will be valuable as to crops such as Cow Peas, he said, which are widely shipped across international borders of different countries, and dissemination of prices will tend to increased employment of same crops as fertilizers.

Report of Committee on Postal Laws

The report of the Committee on Postal Laws was presented by Leonard Vaughan. An interesting feature of the report, and the discussion following, was the matter of the recent more stringent enforcement, somewhat extensively, of an old regulation regarding the requirement of enclosing seeds in transparent coverings. Messrs. Allen, Burpee, Robinson, Ford, Maule, Hastings, Bolgiano and Page took part in the discussion. The regulation, it was pointed out, only applied to sealed packages or packets. Paper manufacturers, it was learned, are taking interest in the finding of proper materials for envelopes and covers to meet the regulation. Postmasters of the larger cities were liberally disposed, but unable to do away with the regulation, while postmasters of small places at destinations rigidly and literally enforce the regulation oftentimes. Some general remedy was necessary and in the absence of modification by the postal department it seemed that seedsmen must find practicable means to comply with the law, which they were endeavoring to do as speedily as possible, but in many cases large stocks of packing material on hand would entail loss in compliance.

The Canadian Seed Commissioner's Paper

An interesting paper on "Methods and Apparatus for Seed Testing by Seed Merchants," by George H. Clark, Canadian Seed Commissioner, was read. In an interview with our reporter, Mr. Clark said: "The attitude of the American Seed Trade Association, both at the Boston conference with the National Association of Official Seed Analysts and at this convention, seems a clear indication of a desire on its part to deal fairly with the question of seed trade legislation. It is my opinion that, after a few years, the present difficulties will clarify themselves and with a thorough education on seed matters will resolve themselves favorably to all concerned through a better understanding of the conditions of supply. I am informed that the quality of seeds now demanded throughout the United States, as in Canada, is markedly superior to that of five years ago. Our Canadian experience has been that we are not able to make good farmers by legislation; the principal benefits derived from the Canadian seed legislation have arisen in the protection of the legitimate trade against careless or unscrupulous and designing venders. Today there is a wider range of prices paid to farmers, as between high-class seeds and lower grades, which has had a marked effect in discouraging production of seeds in lands that are foul with noxious weeds."

Mr. Clark's paper was discussed by Messrs. Page, Robinson, Kendel and others, and many interesting points were brought out with reference to the effect of striation on germination of hard-shelled seeds and the difference in percentage of germination in seeds of varying ages, those of greatest age sometimes showing greatest percentage of germination. Replying to a query by Asst. Sec. of Agriculture Hays, the speaker said sweating, if not too prolonged, favored germination, otherwise it depleted the vitality of seeds.

The Banquet

The banquet was held on Wednesday night at the Strand Hotel. Covers were laid for 175 persons. Albert McCullough was toastmaster. Responses were made by Pres. J. C. Robinson, Frank C. Woodruff, C. F. Wood, Kirby White and Herbert Quick, editor Farm and Fireside. The menu was interspersed with monologues on Irish humor and satire by Lawrence Sharkey; vocal music by La Favorita Concert Quartette. The function was not concluded until after midnight.

The credit for the banquet arrangements is due to Leonard Vaughan and Chas. D. Boyles of Chicago.

On Wednesday afternoon a number of members and their ladies enjoyed sailing trips on the yachts Princeton and Viking, while others went to Philadelphia to visit the establishment of Wm. H. Maule and Floracroft.

Thursday's Business

The Obituary Committee will report at Thursday morning session, on the deaths of William Eber, Quincy, Ill.; James J. H. Gregory, Marblehead, Mass.; John H. Allan, Picton, Ont.; Isaac Funk, Bloomington, Ill.

The paper by Assistant Secretary of Agriculture Hon. W. M. Hays, Washington, D. C., entitled "Recent Science in Plant and Animal Breeding," was read at the Thursday morning session. It will be found in full on page 1118.

The report of the meeting of the National Association of Official Seed Analysts and the report of the committee on the president's address were then taken up.

Result of the Election

President, **E. L. Page**, Greene, N. Y.
1st Vice-Pres., **Leonard Vaughan**, Chicago, Ill.
2d Vice-Pres., **M. H. Duryea**, New York, N. Y.
Sec.-Treas., **C. E. Kendel**, Cleveland, O.
Asst.-Sec., **Leonard Vaughan**, Chicago, Ill.

Executive Committee: J. C. ROBINSON, Waterloo, Neb.; S. F. WILLARD, Wethersfield, Conn.; C. N. PAGE, Des Moines, Ia.; S. F. LEONARD, Chicago, Ill.; KEEBY B. WHITE, Detroit, Mich.

Membership Committee: ALBERT MCCULLOUGH, Cincinnati, O.; FRANK C. WOODRUFF, Orange, Conn.; S. A. WILSON, Madison, Wis.

Recent Science in Plant and Animal Breeding

A paper prepared by Hon. Willet M. Hays, Assistant Secretary of Agriculture, Washington, D. C., and read before the Convention of the American Seed Trade Association at Atlantic City, N. J., June 21 to 23, 1910.

To give values to the various scientific facts and theories in relation to their use in the actual work of improving plants is no easy task. Practical breeders have their not too clearly defined theories but poorly co-ordinated with their main lines of efforts in breeding. Scientists, on the other hand, often assume to apply their facts and theories to breeding in the practice of which many of them have not had experience. We have few men who combine a thorough knowledge of existing science of heredity and breeding with the best practice. The public agricultural service is developing a class of men who, under public auspices and in private interests, are rapidly learning the application of science to the creative breeding of both plants and animals.

Civilized countries are discovering that, by breeding, the annual product of domesticated plants and animals may be increased several billions of dollars in value, thus lessening to some extent the inevitable increase in the cost of food and clothing to the consumer, while not decreasing the returns per acre of the producer. This economic concern, and the interest men take in delving into science, are uniting to impel men to develop the science of breeding and to utilize this new knowledge on a scale commensurate with the interests of the nearly two billions of people which the world must feed.

Modern facilities for the transportation of thought, of men, and of materials, will soon have obliterated the partitions between the countries of the earth, throwing all of mankind into one community. Already science knows no national lines. Commerce is constantly increasing the fluidity of trade between nations as well as between States. Men not only bring the ideas of all countries to one new country, but they mingle the blood of many races of men into a common stream. Domesticated and wild plants and animals are being transferred from their original habitats to all other regions where they may respectively prove of value, either in their purity or when recombined into new types. Under modern science the Mendelian unit characters are being sought out, transported and, by breeding, assembled into newly fashioned varieties, breeds, and even species with enlarged economic values for each given locality and purpose. And science is not only organizing the vocational education, even of all the productive classes, but it has begun to study heredity in man and to at least dream of the possibility of recombining the virtues of the different families in grander races of people.

For the most part, variety and breed improvement is and probably ever must be a relatively slow and tedious process. In most lines there has been discovered no method of making rapid improvements. None better knows the falsity of claims of marvelous and rapid changes by breeding than those who make these claims.

Exaggeration is the most dangerous enemy to plant and animal improvement and to the sane consideration of eugenics. On the other hand, modest increases in plant and animal products, when applied to hundreds of millions of farms, give increased billions of products. The day is rapidly coming when public authorities and private interests will be justified, by achieved results in breeding, in making all needed investments of money and time in creative breeding along lines of economic improvement.

The breeding of living things cannot be wrought out under the rigid application of scientific facts and formulas as can the construction of a drainage system, a railroad or a manufacturing plant. Under the guiding hand of science, art in breeding must also have scope. In fact, in no other line is there such large and complete union of science and art. Along with the broad scientific conceptions of Darwin, the mathematical precision of Mendel, and the statistical records of performance of the modern plant breeder, there must be the art of the sculptor, of the painter, and even of the musician, all put into operation with somewhat of the genius of a Burbank.

Breeding is becoming so much of a technical profession that a close division of labor is rapidly becoming important. It may be expedient for a few men to work with a large number of species and genera that they may perform the special service of giving a broad scope to the general subject of breeding; but, for the most part, more rapid and larger results will be achieved by each worker concentrating on a given species or on a group of related species. Many men have already fully demonstrated that scattering, discontinuous efforts, using small numbers of each of a number of unrelated species, is the way to get nowhere in creating improved forms of plants and animals. No doubt that even as great a genius as Burbank would have to his credit a far larger economic addition to America's plant products had he confined his efforts to half a dozen important species. Your humble servant worked for twenty years with about twenty species, the purpose being in part to gain a broad view of the subject of breeding, and to prove the large economic value of plant and animal improvement. The creation of new forms of the great staple crops was rather a secondary consideration. But even in this case better scientific as well as far larger immediate economic results would have accrued if the work had been confined to not more than one-third of the species used.

The creative breeder who works with one or a few species can compass the collection of all needed basic materials from all parts of the world. He can not only learn the unit characters of each acquired variety, but he can, with a fair degree of success, follow these unit characters in the recombined forms which he produces by hybridizing. In other words, without a too extended variety of basal materials, he can gain an intimate knowledge of the basal unit characters, as does the painter of the primary colors which he blends to represent on the canvas the desired forms and tones. It is true there are some species, as Wheat and Barley, yeast and bacteria, the breeding of which can be done in larger part under scientific performance, where it may be that mere art takes second place. On the other hand, in the breeding of Strawberries, Peaches, Chrysanthemums and Orchids, the eye of the sculptor and painter and the taste and smell of the epicure are at least of equal importance with scientific records. The art-expression of a people is said to be the highest means of expressing civilization. Once the breeding of living things reaches that development of which it is capable, it may be that those most brilliant in creative breeding will have the highest place at the head of the class of artists. Certain it is that the molding of living things which express the greatest beauty of form, color, and fragrance, will give to him who can apply science and art to living protoplasm a scope for scientific knowledge, prophetic vision and artistic skill far beyond that possible to apply through the chisel or through the brush alone. We need so to organize our work of creative breeding that the nations can command the talents of men with the greatest genius for all the phases of the betterment of plants and animals by breeding.

During the past decade or so science and practice have begun a re-statement of the principles underlying heredity and breeding. The analysis of the subject, the nomenclature and the philosophy of Miles' Stock Breeding, which for the third of a century was the accepted textbook along this line, are now being rapidly reorganized. Mendel's laws of segregation, dominance, and recombination; DeVries' mutation theory and its corollary amply proven in practice; the need of using very large numbers in breeding; the possibility of organizing large and efficient breeding establishments; the introduction of the subject of practical breeding into agricultural colleges and schools; and the development of men trained in the science and art of breeding; also the beginnings of a usable literature based on the technique developed in scientific plant and animal breeding, are all combining to make a new world for human efforts. And the facts should not be lost to sight that men of many nations are beginning to seek the truth concerning the breeding of the human family. All along the line, modern science and art have finally begun to attack in a systematic way the reorganization of unit characters in living forms into more useful types; and, if possible, to create new unit characters not before existent.

Mendel's discoveries, and the discoveries of his disciples following his methods of research, have given us some valuable principles which have use at least in a narrow range of breeding operations. But in addition to this, these investigations have most profoundly aroused science to the possibilities of investigating operations of heredity, both concerning natural evolution and artificial evolution or breeding. DeVries' investigations, with possibly even a larger immediate value than Mendel's, have also done much to attract men with a scientific bent to delve into the secrets of those elusive somethings which carry units of heredity from one generation to the next, and often lie dormant, to appear possibly in their original purity after two or even many generations of recessive somnolence. While Darwin developed the fact of the evolution of species, these men have sharply turned attention both as to how Nature's evolution may be studied, and also as to how man may rapidly recombine and evolve Nature's forms into types of higher economic value.

The work of Bateson, Tschermak, C. B. Davenport, Castle, Webber, and many others who are making a specialty of the science of heredity, the work of Neilson, Zavitz, Galton, Burbank, Swingle, Williams, Gentry, Eckels, Craig, and many other breeders of plants and animals, is rapidly expressing the possibilities of science and art in the terms both of beautiful forms and of dollars. And here and there we find a man who may be laying the foundation for a reputation for large public service in the pedagogics of breeding.

The aggregate efforts in the breeding of plants of the United States Department of Agriculture and of the State Experiment Stations, and of similar institutions in other countries, are year by year increasing into a public work of large magnitude. These institutions are by no means usurping the field. They are in fact rapidly increasing the field for private efforts in plant breeding. As yet much less is being done in a public way for animal breeding; and theory and technical practice of plant breeding has within a decade far outstripped the theory and practice of animal breeding. It would seem easy to predict that public institutions concerned with animal improvement will rapidly take the new and inspirational point of view from the brilliant investigations in plant breeding and will lead to a rapid development of the science and art of improvement of domestic animals. It is of interest to note that a dozen years ago the plant breeders received their best inspiration from animal breeders, and that now the tables are turned and that breeders of animals need the inspiration from the accelerated work of the breeders of plants.

Probably the most important recent development in relation to plant and animal breeding is the revision of methods of teaching this subject which is now going on, and we may hope ere another decade passes that our colleges of agriculture and universities will have supplied a group of young men well grounded in all that is known regarding research in heredity and in method of breeding plants and animals. Certainly, this field offers a most enticing prospect to young men with a liking for and with a genius for either research in heredity or for the work of creative breeding in public institutions or on private plant and animal breeding farms. And the field for amateurs who desire an interesting avocation is most enticing not only in relation to pet animals and ornamental plants but in relation to many minor staple crops, fowls, and smaller animals, and even with beneficial insects.

I was asked specifically to say a word regarding the utility of the Mendelian theories as applied to economic breeding. The range of the use of Mendelian philosophy in recombining in new types the most desirable of the unit characters found in available types, forms a much less portion of the field of economic breeding than Mendelian enthusiasts at first claimed. On the other hand, there is no doubt that formal recombination of desired characters in the hybrid breeding of Wheats, Barleys, and many other crops can be carried out to large economic results. Spillman's work in the State of Washington clearly demonstrates this fact in a large commercial way.

Swingle has made many most promising recombinations of Citrus fruits, and Hansen and other daring compounders of radically different species and types within species, are recording results which promise new forms in which the recombinations of characters will give new values, and the recombinations made by those engaged in theoretical research give both direction and inspiration to the radical Mendelian breeder.

It is proper to recognize, however, that the largest value growing out of these discoveries, lies in clarifying our plans for effecting the informal recombination of characters. At first, the then astounding facts concerning the segregation of definite characters and the possibilities of their formal recombination, almost as chemical atoms recombine into new compounds, served to blind us from the larger concept of the very complex network of descent which makes up most of our economic types of plants and animals. We have now gotten back to the fact that only under peculiar circumstances and in particular cases, can hybridizing be worked out with definite unit characters. In the great bulk of recombining first and second generation hybrids, in uniting the blood of three or more original forms, and especially in blending related forms, and forms recently and much hybridized, and in the vast amount of necessary selection work, the art of breeding must be carried out without adhering closely to formal recombinations.

Often the network of descent which happens to most happily produce the most valuable combination does not always appear like the formula which represented the ideal toward which we started. Very often the new acquisition breaks in upon us with an unexpected combination of forms which resist our attempts at analysis. The wise breeder chooses that which has the largest economic value, somewhat regardless of whether he can trace all the threads of both woof and warp in the new network of descent. And, as the years go by, the newly bred materials, many of which are highly complex compounds, increase in numbers, the breeder will have at his command larger and larger supplies of basic materials. In some cases the breeder will work down or back or up to pure-bred homozygotic basic materials along the lines pointed out by Shull's work with Corn, and here formal Mendelian breeding can be practiced most effectively. But it would appear that the larger part of the plan, and of the humdrum details of the work of making over America's plant and animal forces, would be outside the practical work of formal Mendelian recombination. And I reiterate that the larger value of Mendel's discoveries and of DeVries' mutation theory will be to clarify our plans of doing the bulk of this less systematic work.

The new philosophy will be expressed in a new nomenclature and, as the years go by, breeding will be taught with more of the simplicity with which arithmetic is taught. It will always be an abstruse subject, and while the Mendelian philosophy may seem to simplify the recombination of Nature's original types, DeVries' mutation theory will continue to relate in a larger and larger way to the importance of using immense numbers, both in Mendelian hybridizing and in the extensive less formal breeding, that occasional superior foundation-plants of exceedingly great variety-producing-potencies may be secured.

We need not be surprised if the researches of Mendel, DeVries, and others lead to other discoveries of still wider practical application in the improvement of plants and animals. Enough is already known to enable the world to add 10 per cent. to its food products at very little cost, thus materially reducing the expense of living,

and the need of the hour is that we work out methods of utilizing the new knowledge already existing, and that which promises rapidly to come, and that we apply these methods on hundreds of thousands of breeding farms throughout the world. A project which has as its goal increasing of the world's farm products by some billions of dollars, at very little cost, thus preventing the rise in the cost of living in all countries, is of world-wide and permanent economic and political interest. The conservation of half a billion of wasted American resources of heredity forms no small portion of our conservation problem. Laws and methods of breeding, once they are worked out, will help increase production in other countries that they need not draw so heavily on the supplies of foods our soils should supply cheaply to our own people.

Taking all these statements at their face value, it is clear that there is good reason for finding ways of promoting the mode of creative breeding and of distributing all established and new forms of plants and animals to all growers in whose hands they will produce increased values of the products. Never before did public and non-public agencies, engaged in securing and disseminating the best seeds, plants and animals, appear so important as now. The Seed and Plant Introduction Division of the U. S. Department of Agriculture, assisted by the Federal and State and private plant testing stations, has now been well organized, and its work unfolds larger and larger in scope with every year. The breeding work of the Federal department, of the State experiment stations, and of those private breeders who do creative work, is rapidly gaining a large status based on substantial achievements. To realize the rapidity of the development of scientific plant breeding one needs only to learn that, two decades ago, the botanists of the U. S. Department of Agriculture were debating amongst themselves as to whether it was proper to use the term plant breeding in their bulletins, and it was only a few years earlier when such an intrepid horticulturist as Prof. J. S. Budd of Iowa was giving inspiration to the first classes taught plant breeding in our State Colleges of Agriculture. Now there is no more highly accredited scientific subject in our universities than the subject of heredity, and special practice courses in plant breeding are being offered in some of our State Colleges of Agriculture. Legislative bodies are ready to appropriate public money for use by men who can show that they can improve the producing potencies of our crops and of live stock. Even the conservatism of our older school men, often still in charge of State Colleges and universities, has been overcome. The farmers are learning that even everyday crops, like Alfalfa and Clover, as well as Wheat and Apples, can be so bred that they will produce larger yields, preponderate in certain nutritive elements, show higher color, form, keeping quality and resistance to disease than do the common types which were dumbly supposed to be all efficient. The breeders of yeasts are making beers and wines of staple flavor. The breeders of bacteria are giving cheesemakers pure cultures of new varieties of bacteria which produce cleanly cheese of the soft types which run uniform and can be safely purchased on sample. Men are laying hold of the Pecan tree—the Chestnut, and are putting Nut growing on a new basis. Others are devising ways of breeding Curly Walnut and Curly Maple, that the artistic merit of furniture made therefrom be enhanced even if that be for the future generation.

Foresters have learned that heredity works in making forest products along the same line that it works in producing the 200 egg hen and the 400 pounds of butter cow. They are not only devising ways of utilizing cuttings from only the most rapidly growing Cottonwood parent tree, but they are finding relatively rapid methods of breeding up rapidly growing races of Catalpas, Pines and other trees which are planted for profit. It is worthy of passing notice that much of the effective earlier breeding of plants was with less important, mainly ornamental species, fruits and vegetables. The greenhouse man and the horticulturist who dealt with individual plants earliest took to following up variations and propagating those from which the seeds came true to the type of the parent.

But now the grower, economist, scientist, and the breeder all see that the large problems concern the improvement of the great staple crops which feed the nations and which give us our balance of trade. By improving the heredity of our Cotton seed ten per cent. more Cotton is grown and we have an increase worth fifty to seventy-five millions of dollars, and the world has cheaper clothing. By adding ten per cent. to the yielding power of the heredity of our Corn seed the crop is increased by more than a hundred million dollars. Therefore the breeding, both of plants and of animals, is taking a place in national economics. Our State Experiment Stations, and the legislatures of the States, are focal centers in this scientific economic project. Organizations like this American Seed Trade Association, and other National, State and local organizations, made up of men who clearly see in detail as well as in a national way the meaning of improved varieties of plants and improved breeds of animals, are responsible for pushing the work of introducing, breeding, testing, and distributing seeds and plants which will produce larger crops and eventually will supply cheaper foods to all people. If our experiment station men do not clearly see the magnitude of their opportunity let them be shown. If our legislators do not see the large profits to the State from the use of public funds in breeding better crops for the State, who can better show them than the men interested in growing and selling pure bred seed and plants.

The Relation of State Seed Laws to Interstate Commerce

Paper prepared by Curtis Nye Smith of Boston, Counsel for the American Seed Trade Association, and read before that body in convention assembled at Atlantic City, N. J., June 21 to 23, 1910.

It is perhaps unnecessary to call the attention of seedsmen to the new order of things caused by the so-called "pure seed legislation" in many of the States. It is a good sign to see the very recently awakened and effective interest of the members of this and of kindred associations in these matters. This interest will be of as much benefit to the public as to seedsmen for it is no good advertisement to a State to enact unwise or unconstitutional laws. From the reports of your officers you have noticed that their perfectly legitimate efforts to discount and avoid meaningless and unwise restrictions on a most honorable business have met with considerable success from the outset, and that, as the new work unfolds, further advancement and protection of the trade will be forthcoming. But the unfortunate circumstance is, that many States, in the last two or three years have already placed on the statute books so called pure seed laws, furthermore providing the machinery for the execution of these laws, and the State officers have exhibited due zeal (sometimes misapplied), in requiring conformity to the statutes.

Inasmuch as most seedsmen transact business in States other than their own, why is it not of practical use to them to understand the relationship of the laws of those foreign States to their interstate transactions? Indeed, the mere statement of the question indicates an affirmative answer. To appreciate a few legal principles defining the essential differences between the powers of a State and of the Federal Government over commerce, must obviously be of advantage to the merchant, giving him assurance in new ventures, or protection in his former lines of business, or eliminating the expense and friction of contests with State officers. Another reason for the propriety of considering the subject before us is that the question is a novel one to the seed trade. Up to a brief time ago, merchants brought and sold in any part of the country "ad libitum," with no necessary consideration of a regulative statute in the foreign State. Now, the merchant suddenly finds himself called upon to pay a license fee in one State or buy some tax stamps in another, or an ex-State debtor refuses to pay his account, setting up a defense of non-compliance with the State law, or, if the seedsmen be caught traveling in the foreign State, to prosecution and imprisonment, and so forth. With these problems in mind, and fortified by the knowledge of the great number of queries on this subject sent to the Association's counsel, I submit the following observations.

One of the most interesting and, in some ways, perplexing questions is to state the legal relationship of the laws of a State to Federal laws. Under our republican form of government the scheme of our forefathers was to separate the duties and privileges of the Federal Government from those of the several States, limiting and defining such duties under the Constitution, and intending that such written constitution should be the authority to be consulted in cases of dispute or misunderstanding between these two great elements in our political scheme. It was the object of the framers of our Government to permit the States full authority to govern their local affairs, but in the relations between the States and foreign countries, the Federal Government was to be supreme. This scheme fitted quite easily into the simple conditions of that time when there was little intercommunication between States and the States were few in number. However, as the country expanded in territory, in business activities and inter-dependence, the problem of separation of powers became difficult. The laws of the State were found to conflict or interfere with the higher authority of Congress to regulate interstate and foreign commerce. The Supreme Court of the United States, the final arbiter of all these questions, was called upon to decide the questions, and, in many cases reversing the Supreme Courts of the several States, laid down the doctrine that the Congress alone has the right to impose regulations on the commerce between States and with foreign countries, and that, in the absence of such Federal legislation, it was to be inferred that Congress intended that such commerce should be unrestricted. This judicial interpretation of the superiority of Federal over State powers in the matter of interstate commerce is very well illustrated by the decisions of the Federal Supreme Court on the question of the right of States to interfere in interstate commerce in liquors. Some States determined not to have liquors sold in their States. To this end sales, solicitation of orders, delivery and so forth, were prohibited. The State courts upheld the laws. The Federal Supreme Court reversed all these decisions and held all those laws unconstitutional in so far as they interfered with interstate commerce. How, then, is there any doubt about the mastery of the Congress to control interstate commerce in seeds as in all other merchantable articles?

We all know that the Congress has not, so far, prescribed regulations for interstate commerce in seeds and, under the rule just above stated, such traffic should be entirely free from direct or indirect restrictions under State seed laws. I say indirect restriction advisedly, for it is held that the right to sell in the original package in which the article is imported into the State is as much an inherent and necessary part of interstate commerce as is the actual transportation of the article between the States. The answer to our query is, that States have the power to enact and execute regulative laws affecting even interstate commerce under its inherent power, called the Police Power, which has been judicially and wittily defined as *the power to pass unconstitutional laws.* (ex Rel. Jones-v-Froelich 115 Wis. 32, 42).

To make a long story short, the Federal Supreme Court has gradually enunciated the doctrine, which is practically judicial legislation, that the States, in the exercise of this inherent Police Power, can pass laws for the safety, order, morals, and to prevent fraud, even if such laws indirectly interfere with interstate commerce, but with the very important provisos, however, that these laws must be reasonable, they must not discriminate against interstate commerce, and they must not violate any express enactment of Congress on the same subject, or the provisions of the Constitution of the United States.

To my mind the briefest and clearest illustrations of this doctrine are three cases decided by the Federal Supreme Court. Pennsylvania absolutely prohibited the manufacture and sale of oleomargarine in Pennsylvania. The Federal Supreme Court sustained the Pennsylvania courts in prohibiting a Penusylvania manufacturer of oleomargarine from making and selling this article. (Powell-v-Penn. 127 U. S. 678.) The Federal Supreme Court reversed the local courts in another case, holding that this State law could not prevent the importation and sale in original packages of oleomargarine in Pennsylvania because oleomargarine was a legitimate article of interstate commerce. (Schollenberger-v-Penn. 171 U. S. 1.) On the other hand, a Massachusetts law prohibiting the sale of oleomargarine *when colored to resemble butter*, even though this law interfered with interstate commerce, was upheld by the Supreme Court of the United States (Plumley-v-Mass. 155 Mass. 461).

Is it not fairly clear then that the Federal Supreme Court will allow the States to enact regulations to provide purity, or genuineness of articles carried in interstate trade, in the absence of conflicting Federal legislation, but will condemn any State laws as unconstitutional which restrain or prohibit interstate commerce in well-recognized merchantable goods which are genuine and pure or as pure as reasonable care can secure?

The obvious conclusions from this brief discussion is that States, in the absence of prohibitory enactments by Congress, may pass and enforce reasonable laws regulating commerce in seeds even if incidentally such laws may affect interstate commerce. Mark the importance of the word "reasonable," for most of the present seed laws would not fall within the class denoted by that adjective.

If I am not taxing the patience of my listeners too much, perhaps a few practical, general suggestions to seedsmen regarding this interstate commerce in seeds may be of some interest.

It is profitable, briefly to note what these State seed laws pretend to regulate.

Most of these laws regulate "the sale" or "offer or exposing for sale" to which some State laws add restrictions to the mere "distribution" or "giving away" of seeds, and some States go so far as to attempt to regulate the "delivery" or importation of seeds in or into the State. One State even prevents having possession of specified seeds. Then some States specifically limit the operation of the law to those "sales" or "offers" "within the State" while some State laws narrow this limitation even more by adding the further restriction, "*for seeding purposes within this State.*"

It almost seems too simple even to state that a seedsman of one State receiving an order for seeds from a customer in another State and completing the sale by delivery F. O. B., is not selling or offering for sale in the other State and consequently has no interest in that State's law. Yet during the last year we were amazed to note that a high official of a State expected to reach such a transaction under the law of his State. It is needless to add that such claims are not tenable. *A fortiori*, if the statute limits the offers or sales "*within the State*," and for "*seedling purposes within the State*," the ex-State seedsman is more distinctly uninterested in the seed statute. Indeed there can be no ex-State statute which can affect him in a sale of this nature. Of course, the purchaser must protect himself from the law, which, as noted in some States, restricts "importation" or "possession" of seeds. Such law, in my opinion, is so harsh that there may be grave doubts of its constitutionality.

If, on the other hand, the facts of the foregoing illustration are changed so that the seller pays the transportation charges, there being no other agreement about point of delivery, the seller has committed an offense under the law.

Questions have been asked, under the above statement of facts, whether payment for the seeds is an issue.

(*Continued on page 1124*)

CLASSIFIED ADVERTISEMENTS

Cash with Order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cts. per line; count 12 lines agate to the inch, 6 words to the line.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cts. to cover expense of forwarding.]

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SITUATION WANTED—As a steady worker on private or commercial estate; excellent potter; also familiar with decorative work; no drinker. Please state wages. Address "Gardener," Box 51, Colchester, Conn.

SITUATION WANTED—As assistant; eight years' experience. Address, "F," care Marshall & Co., Seed Store, 146 W. 23d st., N. Y. City.

SITUATION WANTED—By first-class storeman and decorator. High class city experience. Address, "L", 217 W. 68th st., N. Y. City.

SITUATION WANTED—By German, experienced in Carnations, 'Mums and pot plants. References. Address, L. Geh, care Hesse's Printery, 248 Hamburg ave., Brooklyn, N. Y.

SITUATION WANTED—By Working Foreman who is thoroughly acquainted with any line of the business; advertiser took charge for 18 years of leading places where plants for N. Y. market were grown. Best of references.

Address U. B., care the Florists' Exchange

SITUATION WANTED—By single Rose and Carnation Grower who has some experience in pot flowers; willing to go as assistant. Address, W. Billetter, 2529 Eighth ave., New York City.

SITUATION WANTED—By florist, single, age 22, with 8 years' practical experience; honest, sober, willing worker for employers' interest; commercial or private place. Please state particulars in first letter. Address, U. E., care The Florists' Exchange.

SITUATION WANTED—By German; good grower, 21 years' practical experience, honest, sober, and competent to take full charge. Worker for employers' interest. Kindly state wages and particulars. Address, U. D., care The Florists' Exchange.

SITUATION WANTED—By Hollander, 23, who has had 8 years experience in nursery work in Holland, Germany, England and America. Good references. Please state wages. Address, C. Schüller, care Mrs. Gaucher, 45 Park st., Worcester, Mass.

HELP WANTED

WANTED—Man with experience to help in greenhouses, growing commercial stock. State wages and references in first letter. Address, U. A., care The Florists' Exchange.

WANTED AT ONCE.—A first-class grower of Roses, Carnations, 'Mums, Violets and bedding plants; must be maker-up and designer, sober, honest, industrious and capable of taking charge, if necessary. Wages $15.00 per week. Address, giving references, T. S. Tripp, 100 East St., Walton, N. Y.

WANTED

Young men with thorough ornamental nursery stock training. Splendid opening for right party. Must furnish the best recommendation.

Address

THE ELM CITY NURSERY CO., New Haven, Conn.

Please mention the Exchange when writing.

WANTED AT ONCE.

Thoroughly competent man on up-to-date place of 32,000 sq. ft. of glass, where Carnations, Roses, 'Mums, bedding stock and a general stock are grown. Send references and wages wanted, with inquiry. Aug. von Boeselager, Mt. Clemens, Mich.

WANTED—Gardener, one familiar with Orchid Culture. Wages, $15.00 per week. Address, Geo. Reinberg, 2057 Balmoral ave., Chicago, Ill.

Continued to Next Column

HELP WANTED

WANTED—The present address of Andrew Magher, gardener. C. B. L., 2863-3rd ave., New York City.

WANTED—A thoroughly competent head gardener, over five men, who knows how to grow Roses and to take care of the greenhouse and gardens. Send all particulars of experience and full references to U. F., care The Florists' Exchange.

SEEDSMAN WANTED

Experienced man. Apply with reference, "Boston" care The Florists' Exchange.

WANTED—Man for general greenhouse work, $12.00 per week, and steady employment for the right man. Carnations and Chrysanthemums grown principally, none but sober, and industrious man need apply, reference required. Address, Frank Schneider, Station F, Price Hill, Cincinnati, Ohio.

WANTED—Gardener, single, small private place, must make himself useful around the house. German preferred. Box 86, New Rochelle, N. Y.

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Smilax, extra large young plants, cut back the second time, 2¼-in. pots, $15.00 per 1000 or $2.00 per 100. Cash with order.

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ROSES, STRONG, CLEAN STOCK

Own root: Bride, Bridesmaid, Chatenay, Golden Gate and Kaiserin, $6.00 per 100; Grafted White Killarney, $14.00 per 100. P. R. Quinlan, Syracuse, N. Y.

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Fine healthy stock, 4 inch pots, $10 00 per 100; or will take $50 00 for the lot.

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Please mention the Exchange when writing.

MISCELLANEOUS

STOCK FOR SALE—2,000 Maid Plants, in 4-in. pots, at 6c. each; 300 one year old Gardenia Plants, in 4-in. pots, at 25c. each. All elegant plants; also 10 second hand 4-in. hot water valves, at $2.50 each. Brant-Hentz Flower Co., Madison, N. J.

SMILAX—Strong plants, several times cut back, 2-in. pots, $2.00 per 100. Sample on request. M. S. Foreman, Louisiana, Mo.

POINSETTIAS.

Fine young Poinsettia stock in 2½-in. pots. Correspondence solicited.

W. H. Siebrecht, Astoria, L. I., N. Y.

STOCK FOR SALE—40,000 Verbena plants in bud and bloom, $20.00 per 1000. Coleus plants at same price. J. L. Dillon, Bloomsburg, Pa.

BEGONIA Lorraine and Agatha—2½-in., twice transplanted, $12.00 per 100; in 500 lots, $50.00 per 500.

Box Trees, all sizes. Ask for special list.

Cyclamens, finest stock, in separate colors, 3½-in. pots, $10.00 per 100.

Orchids, largest stock in the country.

Stove Plants and Crotons, finest collection.

Julius Roehrs Co., Rutherford, N. Y.

HYDRANGEA OTAKSA—2¼-in. pots, $3.00 per 100; also table Ferns, good varieties, $3.50 per 100. Cash with order please. J. H. Fiesser, Hamilton ave., Guttenberg, N. J.

CHRYSANTHEMUMS.

Estelle, Pacific, A. J. Balfour, R. Halliday, Byron, Golden Glow, from soil, the best you ever had, $2.00 per 100, $18.00 per 1000. Cash with order please. Geo. A. Relyea, Poughkeepsie, N. Y.

700 GERANIUMS, 3½-in. pots, mostly Double Grant, in bud and bloom, $6.00 per 100; 1500, 2½-in., $2.50 per 100. Cash please. Arthur Cornelis, Somerville, N. J.

GERANIUMS—Several thousand S. A. Nutt, assorted, fine 3½ and 4-in., 6c. each. Salvia Zurich, 4-in., 5c. each. Heliotrope, 2½-in., 2c. each; Salvia Bonfire, 3-in., 2½c. each. Coleus, 2½, 3 and 2-in., 3c. each. Stafford Floral Co., Stafford Springs, Conn.

500 SALVIA BONFIRE—Strong plants, 2½ and 3-in. pots, $2.50 per 100. W. W. Nash, Montrose, Pa.

Advertise your Stock For Sale in this column.

Continued to Next Column

STOCK FOR SALE

MISCELLANEOUS

FERNS

Ferns in flats, ready for immediate delivery, separate varieties; Pteris adiantoides, P. magnifica, P. Mayii, P. Wilsonii, P. Wimsetti, Aspidium Tsussimense, and Cyrtomium Falcatum.

KESSLER BROS.

450 Sixth Avenue, NEW YORK

Please mention the Exchange when writing.

VEGETABLE PLANTS

VEGETABLE PLANTS

Millions of fine large stocky Cabbage Plants of early or late varieties, including all the best standard sorts: $1.25 per 1,000, $5.00 per 5,000. Try them. Also Pepper, Brussels Sprouts, Kale, Celery Plants, etc. Alonzo J. Bryan, Washington, New Jersey.

VEGETABLE PLANTS. **TOMATO.** Best Early Varieties Strong, Transplanted, **50c.** per 100. **CAULIFLOWER.** Favorite and Snowball, **50c.** per 100, **CABBAGE.** in large variety, **25c.** per 100, $2.25 per 1000. Cash with order.

WM. C. LESTER, PLAINVILLE, CONN.

Please mention the Exchange when writing.

STOCK WANTED

A small advertisement in this department, will quickly secure for you any stock needed in Plants, Bulbs or Nursery Stock.

WANTED—Latania Borbonica, 3½ to 5 feet tall; also Hydrangea Otaksa, in half barrels or butter tubs. N. A. Corlin, Elheron, N. J.

FOR SALE OR RENT

FOR SALE—A 10 acres farm and 6 greenhouses; a rare bargain. John Lealman, Box 23, Route 1, Vineland, New Jersey.

FLORISTS' AND SEED BUSINESS FOR SALE

Florists' and Seed business, in a wealthy town 50 miles from New York City. Profits from $3000 to $4000 per year. House, store greenhouse and barn. $5000 Cash—$5000 mortgage. Reasons for selling, sickness.

Address U. C. care The Florists' Exchange

FOR SALE OR RENT—Greenhouses situated near city limits, Harrisburg, Pa. Electric line passes door and easy access to four railroads. 20,000 feet of glass with southern exposure. Inspection invited. A good proposition for right party if taken now. GEO. E. ETTER, 213 Walnut Street, Harrisburg, Pa.

FOR RENT—About 5 acres with dwelling and barn, choice ground for florist or truck gardener; location in Secaucus, N. J. Apply to Boulanger, 323 Canal st., N. Y. City.

WANTED TO SELL

Wishing to retire from business, I will sell, on easy terms, my greenhouse establishment consisting of 12 houses, about 30,000 feet of glass, stock and tools, 10 acres of land, centrally located to four large cities, Boston, New York, Providence and Worcester. I mean business, triflers do not apply. The place must be seen to be appreciated as a bargain. Address,

T. E., care The Florists' Exchange

BUSINESS OPPORTUNITY PACIFIC COAST

Controlling interest may be acquired in old established Florist and Nursery Business. Splendid properties, 25,000 feet of glass, 20,000 feet of new modern, best construction. Town 16,000, with large cities nearby. Property is well stocked, with all buildings in first-class condition; doing a very profitable business, which can be increased to any extent. Splendid reputation and no embarrassment of any kind. Address for particulars,

P. G., care The Florists' Exchange, New York City

SEED BUSINESS FOR SALE

FOR SALE:—A mail order and retail seed business, well established and well equipped; mailing list of 35,000 names in Kansas and adjoining states, 15,000 of these actual buyers last season. Splendid opportunity for a man with a small capital. Address.

ZIMMERMAN SEED CO., Topeka Kans.

Please mention the Exchange when writing.

FOR SALE OR RENT

FOR SALE ON EASY TERMS—Greenhouse establishment, about 10,000 ft. of glass, doing most excellent home business in very wealthy section, near New York. Address, R. D., care The Florists' Exchange.

TO LEASE—In Brooklyn, 10,000 to 12,000 sq. ft. of glass in good condition. Place fully stocked. Handy to cars. For further particulars address R. B., care The Florists' Exchange.

FOR SALE IN MADISON, N. J.

$4000.00, easy terms, will buy 3 greenhouses, each 20x150, with 4 rooms attached, plot 75x250 feet, south exposure, desirable. Local Express to N. Y. City. A. L. Reynolds, Madison, N. J.

FOR SALE—Greenhouse property of 10,000 ft. of glass, A 1 condition. Steam heating, electric light; the same is stocked with Roses, Carnations and bedding plants. The reason for selling: I have two establishments and must dispose of one. Inquire of W. D. Snell, Herkimer, N. Y.

MISCELLANEOUS WANTS

WANTED—Greenhouses to be torn down and removed at once, for spot cash. Address, Cash, care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, L. I., care The Florists' Exchange.

WANTED TO BUY—Retail greenhouse establishment in good condition. State terms. Address Box 97, Jersey City, N. J.

WANTED

An Agency for First Class Vegetable Fertilizer

Write with full details and samples to

ALBERTO R. LANGWITH & CO.

Seedsmen and Florists

66 Obispo Street, Havana, Cuba

Please mention the Exchange when writing.

ADVERTISER

would like to communicate with a

Florist or Nurseryman

with ten or twelve thousand dollars who would like to go into business on the Pacific Coast. Address,

S. C., care The Florists' Exchange

Please mention the Exchange when writing.

SUNDRIES FOR SALE

FOR SALE—One No. 50 sectional steam boiler, makers Giblin & Co. One No. 16 Hitchings corrugated hot water boiler in A1 condition. Address, R. Lockwood, Park Ridge, N. J.

FOR SALE—No. 6 Kroeschell hot water boiler, will heat 12,000 feet of glass. Boiler 4 years old and good as new. 1 Furman hot water boiler No. 8, in good condition. Come and see them working. L. Cousins, Jr., Concord Junction, Mass.

FOR SALE—Modern greenhouse, 22x80, with propagating house, 6x80, attached, Hitchings all iron construction, complete, cheap; also 25,000 feet 1¼, 1½, 2 and 3 in., wrought pipe; 1,000 feet Vent. Apparatus; 2 No. 17 Hitchings and 3 sectional cast boilers; 60 boxes 10x14 and 60 boxes 16x24 double thick glass; 800 boxes 10x12 double thick glass in big lots at $1.66 per box. Sash bars, etc. Suessermann, 229 Livingston st., Newark, N. J.

FOR SALE—10x14 double thick glass, $1.70 the box; also 5 No. 16 Hitchings boilers and about 9,000 feet of 4-in. pipe; a lot of greenhouse material at hand. R. Gelb & Sons, 229 Livingston st., Newark, N. J.

SUBSCRIBERS PLEASE NOTE.—The Florists' Exchange is a trade paper, and its advts. quote wholesale prices. For that reason it should be treated with care. Copies should not be left lying where they will be seen by outsiders, nor should they on any account be used as wrapping or packing material. Further, the fact that a purchaser not in the trade may seek to obtain goods at trade prices by no means compels you to sell him at wholesale.

Purchasers of stock from advts. in these columns will confer a favor by making this statement in their order: Saw your advt. in the EXCHANGE.

Prices Advertised in these Columns are for THE TRADE ONLY

FOR SALE

BOILERS Large stock, new and second-hand, sectional and round cast iron; also horizontal return tubular self-contained fire box; and upright steel boilers.

PIPE Good, serviceable second-hand, no junk; ¾-in., 1¾c. per ft.; 1-in., 2½c. per ft.; 1¼-in., 3 1-3c. per ft.; 1½-in., 4c. per ft.; 2-in., 5¼c. per ft.; 2½-in., 8½c. per ft.; 3-in., 11c. per ft.; 4-in., 16c. per ft. New 2-in. standard black, 8½c. Old 4-in. greenhouse pipe, 14c. per ft.; 4-in. boiler tubes, 7c. per ft. All kinds of fittings for 4-in. cast iron. All sizes, new, black and galvanized wrought iron pipe carried in stock. Pipe cut to sketch.

PIPE TOOLS Large stock—all makes and sizes—send for special prices.

GARDEN HOSE In lengths up to 500 ft., with couplings, 60 ft. lengths carried in stock. ¾ in., 3 ply guaranteed 100 lbs. pressure, 8½c. 4 ply guaranteed 150 lbs. pressure, 9c. 5 ply guaranteed 250 lbs. pressure, 12½c.

HOT-BED SASH New, 1½ in. x 3 x 6 ft., 85c., glazed complete, $1.60 and up. New, 1¾ in. 3 x 6 ft., glazed with 7 x 9 glass at $1.65. Glazed with 10 x 12 double thick glass at $1.85. Second hand sash glazed with 6 x 8 glass at $1.25, and glazed with 10 in. glass at $1.35.

PANSY AND FLOWER BOXES All sizes. Send for prices.

GLASS New American natural gas made glass, packed 60 sq. ft. to the box, 8x10, 10x12 and 10x16 B double; 12x14 to 12x20, 14x14 to 14x18 B double; 16x16, 16x18, 14x20 B double; 16x20 to 16x24 B double. Write for prices.

Discount on large quantities.

PECKY CYPRESS Best bench board known. $23.00 per 1000; in car load lots $19.00 per 1000 sq. ft.

Send for question blank and get our estimate for gulf Cypress material. Get our prices on roofing, wire, tanks, pumps, plumbers' supplies and wrecking materials.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Ave., BROOKLYN, N. Y
Please mention the Exchange when writing.

FOR SALE

One 125 h.p. return tubular boiler. In first class condition, ready for immediate use. Guaranteed working pressure 100 lbs. steam. City Inspector's certificate. We will quote price f.o.b. Pittsburgh. A rare bargain. Address,

THE H. WEBER & SONS CO., Oakland, Md.
Please mention the Exchange when writing.

Pipe—Second-Hand—For Sale

25,000 ft. 1-in. pipe, perfectly new, with threads and couplings, in lengths of 15 ft. and up, at 2.95c. per ft.

50,000 ft. 1¼-in. pipe, second-hand, in very good condition, with new threads and couplings in lengths of 15 ft. and up, at 3.95c. per ft.

5,000 ft. 2-in. extra heavy pipe, weighing 5 lbs. per ft., with threads and couplings, in lengths of 20 ft. at 5.45c. per ft.

25,000 ft. 2-in. pipe, second-hand, in very good condition, with new threads and couplings, in lengths of 15 ft. and up, at 6c. per ft.

All the above pipe is guaranteed free from holes and splits, and in good condition.

All sizes second-hand pipe and boiler tubes at low prices.

EAGLE METAL & SUPPLY CO.
Roebling & N. 11th Sts., BROOKLYN, N. Y
Please mention the Exchange when writing.

Cultural Directions

For the benefit of Seedsmen and all who retail Seeds, Bulbs, Trees, Shrubs, Fruits, etc., we have had written by experts over fifty single page leaflets covering the raising and care of these various subjects. Their free use will save your clerks much valuable time. A sample set will be forwarded on application.

THE FLORISTS' EXCHANGE
2 to 8 DUANE ST., NEW YORK

GROW
MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office.

Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
2 Duane Street NEW YORK

We wish to impress upon our readers that all questions intended for this department must bear the name of the sender, not necessarily for publication but as a guarantee of good faith. We will endeavor to answer all questions submitted to us by subscribers, but we cannot recognise anonymous communications.

IDENTIFICATION OF PLANTS

When sending specimens for names correspondents should send some lower leaves of herbaceous plants as well as upper ones, and of all plants, flowers and seed vessels if possible. In addition to this, if stated whether it be shrub, tree, herbaceous, wild or cultivated, location where growing, it would often enable identification of specimens difficult to determine otherwise.

(141) **Questionable Chrysanthemum Stock.**—The first of the month I received from a large grower of Chrysanthemums 2500 plants. Over half of them were 12 to 18 ins. high; they were out of 2¼-in. pots, the varieties Dean, Appleton, Yanoma, Bonnaffon, Robinson and Nonin. The lower leaves were yellow. I cut them back to 3 or 4 leaves from the pot. Will they start and come along all right? Have taken cuttings from the tops. Which will produce the best flowers? I wish to grow most of them to single stem. An early reply will ease my mind.—W. H. F., R. I.

—With the exception of Appleton, Bonnaffon and Robinson, I would just as soon have the rooted cuttings as the cut down, stunted 2¼" pot plants. The wood of them, however, will no doubt break in a short time. Select the strongest shoot, or if not too particular as to size of flowers, allow two shoots to grow. To send out stock for growing on 12 to 15" in height out of 2¼" pots is wrong, and you did the right thing in cutting them back. The varieties Dean, Yanoma, and Nonin, being late ones, will have plenty of time yet to make good stock from rooted cuttings, planted around the 20th of this month. Bonnaffon, Robinson, and Appleton, and especially Appleton, do best when planted early, that is, if large flowers are wanted, and I should expect better results from the cut down stock than the cuttings now in the sand. The one objection I have against stock which was for some reason or another cut back is the unevenness of growth, which is not the case with the others; but the largest 'Mums I ever had were Appletons grown from pinched back stock. They were planted out late in May, in a heavy fibrous loam, and had no other feeding than several mulchings of well-rotted cow manure, and also four or five applications of liquid cow manure. F. B.

(142) **Pulverized Sheep Manure for Carnations, etc.**—A subscriber informs us that he has noticed that some of his friends in the same line of business have had very good success with pulverized sheep manure in growing Carnations and Roses, especially the former, and he wants to know what we think of it for this use, and also wishes complete directions for mixing it. He further wants to know if this pulverized sheep manure is as good on all bench crops as it is for Carnations.—Troy, N. Y.

—Pulverized sheep manure is a valuable fertilizer for greenhouse crops, and according to investigations made at the Cornell Experiment Station, several years ago, this manure is about one third more valuable than horse or cow manure, the value being estimated by the relative proportions of nitrogen, potash and phosphoric acid contained in these various manures. In Carnation growing, there are two chief methods by which the sheep manure may be applied, the first being in a liquid form and used in the proportion of half a bushel of the manure to a barrel of water; and the second as a topdressing on the benches, the manure being mixed with soil in the proportion of one part of manure to two parts of soil, and applied to the surface of the bench thickly enough to cover the soil. But in either case it is not applied until the plants are well established, the liquid being given at intervals of a week or ten days, and the topdressing being renewed at longer intervals, according to the growth of the plants and the condition of the soil. So much depends upon the quality and condition of the soil in the benches that it is practically impossible to lay down positive rules for the application of these additional fertilizers, and with our imperfect knowledge of the contents of the soils we use it becomes necessary for each grower to experiment for himself, bearing in mind that an excess of feeding is likely to produce soft flowers in Carnations, and also excessively brittle stems. W. H. T.

Own Root Rose Plants

Pink Killarney, 3-in., $60.00 per 1000.
American Beauty, 3-in., $80.00 per 1000.
All fine stock.
American Beauty, 3½-in., $10.00 per 100.
Bridesmaid, 3-in., $40.00 per 1000.
Cash with order unless known.

L. B. CODDINGTON, Murray Hill, N. J.
Please mention the Exchange when writing.

This Kills Mildew Every Time

For particulars write to
Benjamin Dorrance
Rose Growers
Dorranceton, Pa
Please mention the Exchange when writing.

(143) **Fertilizer for Gladioli.**—I would like to have you name a fertilizer for Gladioli which will produce the best blooms.—J. B. H., N. J.

We have not had any satisfactory results from the use of commercial fertilizer on Gladioli bulbs. Our experience has been that good, rich soil, with plenty of manure, produces the best blooms. JOHN LEWIS CHILDS.

To Obtain Seeds from Double German Stocks

I have noticed your reply to Question No. 125. Allow me to say that it is not quite correct. Examine a flower of a Ten-Weeks Stock or of any other Stock and you will notice that the double blooms have no pollen and, as well, no pistil; therefore they are of no use for the production of seed. They have no influence at all on the single flowering or seed-producing plants. The seed grower must select the seeding plants and choose only those from which he is sure to receive a good percentage of double flowering plants. It takes years of experience to become an adept at this selection. Errors and disappointments will be the result if your questioner does grow his Ten-Weeks Stocks in the manner reported in your issue of May 21. It is understood, of course, that all Stocks revert to singles if the seeding plants are not selected most carefully, therefore your questioner will have a pretty big percentage of singles in the coming season if he does not carefully select his seeding plants.—FREDERICK ROEMER, Quedlinburg, Germany.

Elberon (N. J.) Hort. Society

The annual Rose and Strawberry show of the Elberon Horticultural Society was held in Elberon on June 16. There was a fine display of Roses, Orchids and vegetables, but few Strawberries, due to the wet weather we have been having this past week.

The awards were as follows: Collection of Hybrid Perpetual Roses—1, Charles O. Duncan; 2, Anthony Bauer.

Twenty-four Roses, distinct vars., 6 of each—1, C. O. Duncan; 2, A. Bauer.

Twelve Roses, 3 vars., 4 of each—1, James Kennedy; 2, A. Bauer.

Six Roses, 2 vars., 4 of each—1, Edward O'Rourke.

Six white Roses, distinct—1, Ed. O'Rourke.

Six pink Roses, distinct—1, A. Bauer; 2, C. O. Duncan.

Six any other color—1, A. Bauer; 2, C. O. Duncan.

Best bunch of Sweet Peas—C. O. Duncan.

Vase of Roses for effect—1, C. O. Duncan; 2, J. Kennedy.

Henry A. Dreer of Philadelphia was awarded a certificate of merit for a display of 52 vars. of Roses, all novelties, which was very fine.

Julius Roehrs Co. of Rutherford, N. J., was awarded a certificate of merit for a very fine collection of cut Orchids.

Peter Murray gained a certificate of culture for a display of Gloxinias; and James Kennedy the same for a collection of Rambler Roses, also for a vase of Agrostemma coronaria.

ALEX. FLEMING, Rec. Sec.

Alternanthera Jewel

We can still supply first class plants of this magnificent new bedding plant. If you buy now, you will be able to have stock for another year. To clean out, we will make a special price of $1.50 per dozen, $10.00 per hundred.

Gardenias

We can quote you in any quantity, 3 inch, $18.00 per hundred, 2½ inch, $12.00 per hundred.

Getting Down on 'Mums

but still have a few thousand at $25.00 per thousand.

CHARLES H. TOTTY
MADISON, N. J.
Please mention the Exchange when writing.

FERNS

BOSTON, SCOTTII and WHITMANI

September delivery. Get our prices.

SEA CLIFF NURSERIES, Sea Cliff, N. Y.
Please mention the Exchange when writing.

Marie Louise Violet Cuttings

Fine healthy stock, out of soil, $12.00 per 1000. Cash with order.

JOHN COOMBS, West Hartford, Conn.
Please mention the Exchange when writing.

VIOLETS—VIOLETS

Ready July 15th.
MARIE LOUISE, clean and healthy in every particular, 3-in. pots, $6.00 per 100.
Cash with order.

WM. J. CHINNICK, Trenton, N. J.
Please mention the Exchange when writing.

S. Kinder & Bro.

Bristol, R. I.

Surplus Bedding Stock. A No. 1 Quality. Cash with order.

1000 GERANIUMS, S. A. Nutt, 4-in. pots, $6.00 per 100, $50.00 per 1000.
1000 COLEUS Verschaffeltii, 3-in. pots, $3.00 per 100, $25.00 per 1000.
500 COLEUS, Golden Bedder, 2½-in. pots, $3.00 per 100, $25.00 per 1000.
500 CANNAS, Florence Vaughan, Mme. Crozy and A. Bouvier, 4-in. pots, $6.00 per 100.
150 CALADIUMS, $6.00 per 100.

Please mention the Exchange when writing.

Fall River Florists' Association

A meeting of the florists of this city was held on the evening of June 17, in the store of Chatterton Warburton on North Main st., Fall River, Mass., for the purpose of forming a new organization. About 25 florists were in attendance and it was decided to call the association the Fall River Florists' Association, and weekly meetings will be held. At the meeting officers were elected for the ensuing year as follows: President, C. W. Warburton; vice-president, Edward Lawton; secretary, John R. Pee; treasurer, John Cross. It was intimated that certain conditions exist in Fall River which are not to the liking of the florists, and it is with the object of removing these that the organization was formed.

Prices Advertised in these Columns are for THE TRADE ONLY

Among the Growers

ENGLEWOOD AND TENAFLY, N. J.

Edward G. Burrows, Tenafly and Englewood

Mr. Burrows' range of five greenhouses, 20,000 ft. of glass, is at Tenafly. Two houses are devoted to growing pink and white Enchantress, Winsor, Queen and Victory Carnations. Mr. Burrows is also trying some Kaiserin Roses this Summer. Three houses are used for growing Sweet Peas, which are planted directly in the soil of the greenhouse. The varieties used are Christmas, pink and white, for Winter, and Snow Bird for Spring, and these are now followed by Katherine Tracey.

About 15,000 assorted bulbs will be tried next Winter.

Mr. Burrows has a very neat florists' store in Englewood, just across the street from the station, which he opened in November, 1909. To this store he will soon add a conservatory. He has an excellent retail trade at Englewood, and markets his own surplus. The recent school commencements, especially the one of the Dwight School for Girls, have kept him busy.

T. W. Lydecker & Co., Englewood

The Lydeckers were among the first settlers of Englewood, when the now beautiful Grand ave., on which they are located, was only an Indian trail. The well-preserved dwelling house, now between one and two hundred years old, and the twelve hot water heated greenhouses, with 40,000 ft. of glass are on a part of the original estate.

The range of greenhouses is a substantial one, built some years ago by Lord & Burnham, and is being made now still more so by the substitution of concrete side walls in place of the original wooden sides. This range used to be devoted to Roses only, but now six houses only are used for Roses, Richmond, and white and pink Killarney varieties, and the remaining six houses are devoted to Carnations, of the varieties white, pink and rose pink Enchantress, Beacon and Winsor. It would be very difficulty to find, anywhere, Carnation plants in such fine condition as those seen in the six houses, or any giving a crop of blooms so large or of such superior quality. Tankage and horse manure were incorporated with the soil before the plants were benched, and they are now regularly treated to liquid sheep manure. It is expected that good blooms will be cut until August. This company has a good retail trade, and they also consign to Dutcher & Son, Coogan Building, 50 West 26th st., New York City.

August L. Hanke, Tenafly

Mr. Hanke is renting, for the present, three greenhouses of Garrett De Matt. Winsor, O. P. Bassett, and white Enchantress Carnations are grown in one house. La France and Princess of Wales Violets, the latter being preferred, are grown in two houses in solid beds. Mr. Hanke began his work here in February, 1910. He markets his own products.

NYACK, N. Y.

In towns of even 10,000 population it is noted that where there are a number of growers frequently no retail florist store is found, and that a good local business is divided among such growers as care to give some attention to a retail trade. Such is the case in the beautiful residential town of Nyack, which is only about an hour's ride from New York City and which on one side is overlooked by Hook Mountain, and itself overlooking the historic Hudson River. It is a town of well kept, attractive homes, of fine estates, and picturesque natural scenery.

Jacob Kuhn

Mr. Kuhn is a Swiss florist, born in Rosschach, on "Blue Lake Constance," Switzerland. Beginning at the age of thirteen he learned the florist business under the well-known William Pfitzer of Stuttgart, Würtemberg. After being engaged in the florist business twenty-eight years in this country, he visited his fatherland last year for the first time. In his six greenhouses, with 6000 ft. of glass, he grows a general line of stock for the local retail trade only. Queen, Lawson and Enchantress Carnations are grown in considerable numbers; also Major Bonnaffon, Glory of Pacific, Polly Rose, and Halliday 'Mums. Ricard, S. A. Nutt, Beauté Poitevine and Mme. Buchner Geraniums, to the number of 8000, are produced, also Coleus, Alternantheras, Echeverias, and Begonia Vernon in considerable numbers, and a general collection of plants such as a local trade demands.

Frank Grant

Mr. Grant's range consists of two greenhouses, in which he used to grow Violets. He is now growing, in one house, Mignonette. He plants the seed in August, and begins to cut blooms in October, and continues to cut until about June 1. In his other house he grows Freesias. He saves his bulbs, digging about July 1, after the tops have dried off. He then dries off the bulbs and replants these old bulbs and the larger sized new bulbs the last of August. These usually begin to bloom in January and blooms are cut until about April 1. The same bulb is used two years.

Depew Brothers

The Depews came to Nyack way back in 1790, and the father and grandfather of the Depew brothers were engaged in the greenhouse business, beginning back in 1860, when they grew Grapes under glass. The nine houses of their range are used as follows: Two houses of Lawson, Enchantress, Queen and Victory Carnations; two houses of Asparagus plumosus, and two of Asparagus Sprengeri, the former of which is found to be the more profitable; one house to Smilax, which is looking very well at this time. The Smilax, which is grown in solid beds, is sometimes carried through the second year, but when grown on benches, new plants are used each year. Seed is usually sown in February in flats; the young plants are then pricked out into pots, and from the pots, in June and July, it is transplanted to the benches. About 15,000 Aster plants now growing on the benches are in first-class condition. Vick's Early Upright, pink and white, are the varieties used. After the Asters are over Sweet Peas are planted. In one house Antirrhinum is grown and is considered a profitable crop. Some bedding plants are also grown. Depew Bros., consign to several New York wholesalers, and also have a good local trade.

August Sauter

Mr. Sauter recently had seven greenhouses, with 16,000 ft. of glass, but now he has only six, because he has torn down two houses, and is building a new house, from material furnished by Lord & Burnham Co., to cover the same ground occupied by the two old ones. One house is used for growing Antirrhinum. The procedure is as follows: First plant seeds, then select for color and type, and take cuttings from these plants. After a few years it is necessary to go over the same process again, as there is, from continual propagation by cuttings, a tendency toward deterioration of the stock.

Mignonette is grown in the five remaining houses, and this is Mr. Sauter's specialty. He started with seeds of Allen's Defiance and crossed this with another variety obtained from a seedsman named McMillan, then saved his own seed making careful selection each year. The seed is planted from July to September, so as to have it give a crop of blooms at different seasons, and blooms are cut from October till June. The flowers from this range are consigned to Andrew Sauter, Coogan Building, New York City.

The Florists' Exchange is exclusively a Trade Paper. Prices at which stock is offered in these columns are intended for the Trade only.

The Alexander-Roosevelt Wedding

There was an elaborate and gorgeous decoration in the Fifth ave. Presbyterian Church on the marriage of Miss Eleanor Alexander to Theo. Roosevelt, Jr., son of ex-Pres. Roosevelt. The floral decorations were carried out by Wadley & Smythe of 491 Fifth ave., New York City, and were entirely of pink and white flowers.

Beginning at the entrance to the church with large Palms and tropical plants and continuing up the center aisle with masses of white Roses and Lily of the Valley was an avenue of white flowers for the bridal party to walk through. Large bunches of white Roses, tied with bows of white satin ribbon, were placed on the pews on either side of the aisle. The white decoration reached to the altar, both altar and chancel being garlanded with Bride Roses. Garlands of white Roses on the altar rail reached to the step, which was massed with Bride Roses, leaving a space only large enough for the white satin cushions upon which the bridal couple knelt.

Above this prie-dieu an arch was festooned with white Peonies, this white decoration being carried up as far as the organ loft, where it gradually faded away into the pale pink tint of Rambler Roses, favorites of the bride, and for which Messrs. Wadley & Smythe scoured the whole of the South, in order to obtain sufficient quantities for the occasion. There were large bushes of this beautiful Rambler, filled with masses of bloom, at the rear of the organ loft, forming a most effective background, then trailing around the back of the arches down into groups of large tree Palms on each side. The numerous large columns throughout the church were garlanded with pink Ramblers. At the bases of the windows were banks of soft plumes of Farleyense Fern, with bunches of the pink Roses. All the rails of the gallery were festooned with pink Roses

THE BOOK OF WATER GARDENING. By Peter Bisset. The only recognized authority on aquatics. Profusely illustrated. Price, postpaid, $2.50 A. T. DeLaMare Ptg. & Pub. Co., 2 Duane St., N. Y.

Church Decoration by Gude Bros. Co., Washington, D. C.

Florists in good standing throughout the country can avail themselves of the advertisers' offers in this Department and accept, without hesitation, orders from their local customers, transmit same to an advertiser in these columns, and thus avail themselves of the opportunities for extension of trade which are open to all. Let your customers know you fill orders by telegraph to any part of the country.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail firms advertising under this heading are all considered by the publishers of The Florists' Exchange as being responsible, and will accept and fill orders for Flowers, Plants and Floral Designs for Steamer Orders, departing Trains, or any given point within their reach, forwarded them by mail, telegraph or telephone, in the respective districts to which their trade extends, the usual commission being allowed. While no guarantee is expressed or implied by this paper as to the satisfactory fulfillment of orders sent to parties whose names appear in this Directory, we will state that only concerns of known good standing will be admitted in this Department. The use of Arnold's Telegraph Code No. 16, a copy of which is placed in the hands of every advertiser, will greatly facilitate this interchange of business.

Eyres — ALBANY, N. Y. — 11 North Pearl Street
Cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Hatcher — Leading Florist — AMSTERDAM, N. Y. — SCHENECTADY, N. Y. — Estab. 1877

Atlanta Floral Co. — ATLANTA, GEORGIA — 41 Peachtree Street
We cover all of Georgia and are within easy reach of New Orleans, Jacksonville, Birmingham, Chattanooga and Charleston. Retail orders placed with us will receive careful attention.

Thos. F. Galvin — BOSTON, MASS. — 124 Tremont Street
We cover all New England points. Retail orders placed with us receive careful attention. The delivery of flowers and plants to Boston sailing steamers a specialty.

J. Newman & Sons Corporation — BOSTON, MASS. — 24 Tremont Street
Orders by wire receive prompt and careful execution. We can refer to leading florists in all principal cities. Established 1870.

Zinn the Florist — BOSTON, MASS. — No. 1, Park St. No. 2 Beacon St.
Equipped with best facilities for quick delivery to any part of NEW ENGLAND. Also special delivery to any outgoing steamship without extra charge.

Robt. G. Wilson — BROOKLYN, N. Y. — Fulton St. and Greene Ave
Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders cared for from all parts of the country and delivered at Theatre, Hotel, Steamer or Residence. Tel.: Prospect 2840 and 4065.

Palmer's Flowers of Quality — BUFFALO, N. Y. — W. J. PALMER & SON, 304 Main St.

Friedman Flowers — CHICAGO ILL. — 185 Michigan Avenue
Courtesies extended to all Florists

JULIUS BAER, CINCINNATI, O. — Fourth St.

Frank E. Crump — COLORADO SPRINGS, COLO. — Retail Florist
Telegraphic orders will be carefully and promptly filled; personal attention given. Usual discounts allowed.

J. N. Champion & Co. — NEW HAVEN, CONN. — 1026 Chapel St., Opposite Yale College
Every facility for prompt deliveries in all parts of Connecticut. Cut Flower and Funeral work solicited.

W. G. Matthews — DAYTON, OHIO — Florist, 16 West Third Street
Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Standing Wreath of White Killarney Roses and Lily of the Valley. Base of Bronze Galax and Gladiolus

The entire effect of the color scheme of the upper part of the sanctuary was of this pale tint of pink, carried down gradually to where the pink merged into the pure white decorations of the entire lower part.

The bride carried a bouquet of rare white Orchids showered with Orange blossoms. The five bridesmaids carried large bunches of the pink Rambler Rose, tied with the palest shade of blue ribbon to match their gowns, and the maid of honor carried a large bouquet of Forget-me-not against a gown of old rose.

The floral decorations of the house were almost entirely of pink; in fact, "a study in pink," with the exception of a white Rose canopy, under which the bridal couple received their friends, and the decorations of the bride's table in the breakfast room, which was beautifully decorated with Bride Roses and Lily of the Valley. All the other tables were decorated with pink Roses of the same variety as those at the church. Large vases of pink Roses were in all the effective places throughout the house. The mantels were banked with pink Roses, and mirrors and arches were garlanded and festooned with pink Ramblers. The fireplaces in the different rooms were banked with plumes of Farleyense Fern and sprays of pink Roses. The stair rails were twined and festooned with pink Peonies and sprays of pink Rambler Roses. In the entrance halls were groups of large Palms and tropical plants and pink Roses trailed from large Oriental vases.

For "Supply" Advertisements see page 1127

Advertisers in this Directory are provided with Arnold's Florists' Telegraph Code No. 16.

John Breitmeyer's Sons — DETROIT, MICH. — Broadway and Gratiot Ave.
We cover all MICHIGAN points and large sections of OHIO, INDIANA and CANADA. Retail orders placed with us will receive careful attention.

Bertermann Bros. Co. — INDIANAPOLIS, IND. — 241 Massachusetts Ave.
Prompt and efficient service rendered points in Illinois, Ohio and Indiana. Bertermanns' flowers excel.

Jacksonville Floral Co. — JACKSONVILLE, FLA. — 20 Laura St.
We cover all Florida—St. Augustine, Palm Beach, Miami, Tampa, etc.; also lower Georgia. Choice seasonable flowers always on hand.

Samuel Murray — KANSAS CITY, MO. — 1017 Broadway
I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers on hand. Wire me your orders.

The Park Floral Co. — DENVER, COLORADO — 1706 Broadway
J. A. VALENTINE, Prest. Orders by wire or mail carefully filled; usual discounts allowed. COLORADO, UTAH, WESTERN NEBRASKA and WYOMING points reached by express.

Jacob Schulz — LOUISVILLE, KY. — 644 Fourth Avenue
Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of flowers always in stock; delivery facilities perfect.

Hall & Robinson — MONTREAL, CANADA — 855 St. Catherine St., West
We can fill all orders for cut flowers, designs, etc., and can ship to any city as far as Halifax to the East and Windsor, Ont., in the West.

Alex. McConnell — NEW YORK — 571 Fifth Avenue

Young & Nugent — NEW YORK — 42 West 28th Street
We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

J. B. Keller Sons — ROCHESTER, N. Y. — 25 Clinton Avenue, North
We can deliver flowers at any time, promptly, in Rochester, and surrounding territory. A first-class line of seasonable flowers always on hand.

Clark, Florist — SCRANTON, PA. — 122 and 124 Washington Ave
Telephone or telegraphic orders for any city or town in Northeastern Pennsylvania will receive prompt execution. Usual discount. Phone No. 2454, on either Bell or Consolidated phones.

Holm & Olson — ST. PAUL, MINN. — 20-22-24 West Fifth Street
We fill orders for any place in the TWIN CITIES and for all points in the NORTHWEST. THE LARGEST STORE IN AMERICA; the largest stock, the greatest variety. Write, wire, or phone. We are alive night and day.

PASSENGER STEAMSHIP SAILINGS

From New York	Sailing Day	Hour	Pier	Destination
Columbia	Jun. 25	9.00 am.	W. 24th St., N. Y.	Glasgow
Minnetonka	" 25	9.30 am.	W. 16th St., N. Y.	London
St. Paul	" 25	10.00 am.	W. 23rd St., N. Y.	Southampton
Carmania	" 25	10.00 am.	W. 14th St., N. Y.	Liverpool
Kroonland	" 25	11.00 am.	W. 18th St., N. Y.	Antwerp
Neckar	" 25	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
K. Aug. Victoria	" 25	11.00 am.	1st St., Hoboken	Hamburg
Cedric	" 25	12.00 m.	W. 14th St., N. Y.	Liverpool
D'a D' Abr'zzi	" 25	12.00 m.	W. 34th St., N. Y.	Naples-Genoa
Caroline	" 25	3.00 pm.	W. 44th St., N. Y.	Havre
Chicago	" 25	3.00 pm.	W. 15th St., N. Y.	Havre
Kronpr. Wilhelm	" 28	10.00 am.	3rd St., Hoboken	Bremen
Rotterdam	" 28	10.00 am.	5th St., Hoboken	Rotterdam
Lusitania	" 29	9.00 am.	W. 14th St., N. Y.	Liverpool
Bleucher	" 29	10.00 am.	1st St., Hoboken	Hamburg
Adriatic	" 29	11.00 am.	W. 21st St., N. Y.	Southampton
Oceania	" 29	1.00 pm.	Bush Dks, Bklyn	Napls-Trieste
Venezia	" 29	12.00 m.	Pier 33, Bklyn	Naples
Estonia	" 29		Bush Dks. Bklyn	Rotdam-Libau
La Savoie	" 30	10.00 am.	W. 15th St., N. Y	Havre
Pr. F'd'k Wilhelm	" 30	10.00 am.	3rd St., Hoboken	Bremen
T'm'so di Savoia	" 30	12.00 m.	Gr'nd St., Jer. Cy	Naples-Genoa
Mesaba	July 2	9.00 am.	W. 16th St., N. Y.	London
Philadelphia	" 2	10.00 am.	W. 23rd St., N. Y.	Southampton
Prinzess Irene	" 2	11.00 am.	3rd St., Hoboken	Gib-Nap-Geno
Finland	" 2	11.00 am.	W. 18th St., N. Y.	Antwerp
Cretic	" 2	12.00 m.	W. 21st St., N. Y.	Gib-Nap-Geno
Deutschland	" 2	1.00 pm.	1st St., Hoboken	Hamburg
Arabic	" 2	2.00 pm.	W. 21st St., N. Y.	Liverpool
Caledonia	" 2	2.00 pm.	W. 24th St., N. Y.	Glasgow
Hudson	" 2		W. 44th St., N. Y.	Bord'x-Dunk'k
Ka. Wilhelm II.	" 5	10.00 am.	3rd St., Hoboken	Bremen
Ryndam	" 5	10.00 am.	5th St., Hoboken	Rotterdam
America	" 5	12.00 m.	Bush Dks. Bklyn	Naples-Genoa
Pres. Lincoln	" 6	9.00 am.	1st St., Hoboken	Hamburg
Campania	" 6	9.00 am.	W. 14th St., N. Y.	Liverpool
Teutonic	" 6	9.30 am.	W. 21st St., N. Y.	Southampton
Argentina	" 6	1.00 pm.	Bush Dks. Bklyn	Naples Patras Venice-Trieste
Buenos Aires	" 6		Pier 8, E. River	Cadiz-Barcel'a Genoa-Naples
Barbarossa	" 7	10.00 am.	3rd St., Hoboken	Bremen
Carpathia	" 7	12.00 m.	W. 14th St., N. Y.	Gib-Genoa Naples-Tri'ste
United States	" 7	2.00 pm.	17th St. Hoboken	Copenhagen
Volturno	" 7		Pier 38, Bklyn	Rotterdam
Minnewaska	" 9	9.30 am.	W. 16th St., N. Y.	London
From Boston				
Romanic	Jun. 25	12.00 m.	B & M Dks. Char	Gib-Nap-Geno
Zeeland	" 28	3.00 pm.	B & M Dks. Char.	Liverpool
Bohemian	" 29	3.00 pm.	B & A Dks, E. Bos	Liverpool
Anglian	July 1	5.00 am.	B & M Dks. Char	London
Ivernia	" 5	8.00 am.	B & A Dks. E. Bos	Liverpool
Parisian	" 8	10.00 am.	Mystic Whf, Char	Glasgow
Philadelphia				
Carthagenian	Jun. 25		24 No. Wharves	Glasgow
Veronia	" 29		80 So. Wharves	Naples-Genoa
Merion	July 2	10.00 am.	53 So. Wharves	Liverpool
Marquette	" 8	10.00 am.	55 So. Wharves	Antwerp
Friesland	" 9	10.00 am.	53 So. Wharves	Liverpool
Siberian	" 9		24 No. Wharves	Glasgow
San Francisco				
Siberia	Jun. 28	1.00 pm.	1st Street	Honolulu
China	July 6	1.00 pm.	1st Street	Japan
Manchuria	" 12	1.00 pm.	1st Street	China

(*Concluded from page 1119*)

It is not. A sale on credit creates simply the relationship of debtor and creditor. An interesting side issue on this question is how does a C. O. D. sale affect the responsibility of the seedsman under the seed law of the foreign State? As above suggested, F. O. B. means the delivery to the transportation company. Such delivery passes the title to the goods and further risk and ownership (except stoppage in transitu for insolvency of buyer) is in the buyer. Delivery, therefore, is the keynote of the question. In C. O. D. sales does the vendor still retain title, risk and responsibility, on the ground that the carrier is his agent, or does the buyer assume such rights and responsibility? The courts of the several States have been in irreconcilable conflict on this question, but the weight of authority favors the proposition that the buyer assumes all those risks and that the carrier is simply the agent of the seller to collect the purchase price. Because of the decisions of the State Supreme Courts it is inadvisable for seedsmen to sell C. O. D. to customers in the States of Iowa, Missouri, Georgia and Vermont and, possibly, Colorado. C. O. D. sales are safe in Alabama, Arkansas, Illinois, Kansas, Kentucky, Maine, Massachusetts, Nebraska, New Hampshire, New York, North Carolina, Pennsylvania, Texas and West Virginia. The Supreme Court of the United States in effect follows the decisions of the latter States. (Caldwell-v-No. Car. 187 U. S. 622.)

The arrangement of attaching sight or time draft to bill of lading in consignor's name obviously discloses the situation where the seller postpones the time and place of delivery, consequently the title to the goods until within the boundaries of the foreign State, and the seedsman naturally falls within the purview of the statute for there is no such thing as a sale unless there be a "delivery." An arrangement securing the protection of these methods of collecting the purchase price without assuming the risks is not under discussion.

The practice of shipping seeds to the foreign State to abide the purchaser's right of inspection and acceptance also postpones the time and place of delivery to the foreign State.

Is the general advertising of an ex-State dealer in another State an "offer" within the meaning of the seed statute of the foreign State? No.

Is the solicitation of orders by an agent under above stated laws, which are sent to the home office by the customer or by the agent where they are accepted or rejected according to discretion, an "offer" by the ex-State seed dealer in the foreign State? No.

Can the seed merchant himself solicit orders in another State having seed laws of the above stated character without offending said laws? Yes and no, depending on the facts of the case and the jurisdiction. The decisions in various jurisdictions are conflicting on this point. It often happens that the merchant himself takes orders in other States which orders he sends to the home office for execution. These orders are taken subject to examination of credit or of a supply of article on hand and so forth. Under the advisable conditions of delivery above indicated there is no sale or offer of sale in the foreign State. Solicitation of orders, whether by principal or agent, is not a "sale" or an agreement to sell, or an offer or exposing for sale.

The foregoing remarks and suggestions, which I have perhaps miscalled "practical," are not intended to cover every situation, for perhaps the most important thing in deciding a legal point is to have all the facts. Slight variation of facts may swing the decision from one result to another. Then, again, your Counsel, if he covered every situation, would not have the pleasure of hearing from seedsmen.

It seems to be an appropriate way to close this discussion is to call attention to the simplest way of avoiding the many difficulties, legal and otherwise, of this interstate commerce in seeds when this commerce is annoyed by a miscellaneous lot of good, bad or indifferent State laws. When there is an irresistible demand for seed legislation, pass a law which can be, with necessary minor adaptations to local needs, uniform in all the States. Repeal or amend the present laws which are admittedly unpracticable or unconstitutional and substitute laws which the State officers can enforce. Then the seedsman, who is in thought and action an honorable, law abiding citizen, can carry on his business at home or abroad safely, sanely and at less expense. He can then fill an order without consulting a lawyer or a compilation of State laws. This Association and the Association of Official Seed Analysts are to be congratulated upon their cordial co-operation along these lines.

A beginning is always necessary and what a remarkable step in advance was taken last December at the conference between these two Associations is as yet hardly appreciated. My opinion is that this Association is perfectly capable of taking a leading part in the rational adjustment of good laws for wrong conditions, and your efforts will merit and receive the hearty approval and praise of the present and future generations of seedsmen.

THE ADVTS. IN THE FLORISTS' EXCHANGE are ALWAYS read.

The circular generally goes into the waste basket WITHOUT BEING READ.

The Attendance

Among the houses represented were:

Adams, T. Lee, Kansas City, Mo.—E. C. Luck and wife.
Allen, C. L., Floral Park, N. Y.
Ayer, N. W., & Son, Philadelphia, Pa.—Frank B. White.
Beckley, O. P., Harrisburg, Pa.
Bolgiano, F. W. & Co., Washington, D. C.—F. W. Bolgiano.
Bolgiano & Sons, J., Baltimore, Md.—Chas. Bolgiano.
Breck, Joseph & Son, Boston, Mass.—C. H. Breck.
Briggs Bros. & Co., Rochester, N. Y.—C. S. Briggs and wife.
Brill, Francis, Hempstead, N. Y.
Brown Bag Filling Machine Co., Fitchburg, Mass.—B. F. Brown, Jos. C. Brown.
Brown, Douglas A., Cincinnati, O.
Brunjes, M. H. & Son, Brooklyn, N. Y.—Geo. R. Brunjes and daughter, M. H. Brunjes.
Buffington, J. J., & Co., Baltimore, Md.—J. J. Buffington.
Burpee, W. Atlee, & Co., Philadelphia, Pa.—W. Atlee Burpee, A. E. Brown, Howard M. Earl.
Cadwell & Jones, Hartford, Conn.—W. Frank Cadwell.
Carson & Son, G. W., Philadelphia, Pa.—J. Carson.
Childs, J. L., Floral Park, N. Y.—Arthur H. Goldsmith.
Clark, George H., Commissioner Dept. of Agriculture, Ottawa, Ont.
Clark Co., The, E. B., Milford, Conn.—Herbert Clark and Fred M. Clark.
Chilton Co., Philadelphia, Pa.—A. L. Ball.
Coy, C. Herbert, Seed Co., Valley, Neb.—C. H. Coy and wife.
Crabbs-Reynolds-Taylor Co., Crawfordsville, Ind.—A. E. Reynolds.
De La Mare, Ptg. & Pub. Co., A. T., New York.—E. W. Dorey.
Dickinson, Chas., Chicago, Ill.
Dickinson, The Albert Co., Chicago, Ill.—E. F. Squires. A. W. Schaefer, Frank Lukes, Chas. D. Boyles.
Diggs & Beadles, Richmond, Va.—Albert C. Diggs.
Dunham Co., Berea, O.—A. J. Kennedy.

Candytuft White Empress

Eberle, F. W., Albany, N. Y.
Farm & Fireside, New York.—G. Herbert Potter.
Faulkner, A. F., New York.
Ferry & Co., D. M., Detroit, Mich.—C. B. Coe.
Florists' Exchange, New York.—M. B. Faxon.
Flower, S. W. & Co., Toledo, O.—John A. Smith.
Ford Seed Co., Ravenna, O.—J. H. Ford.
Grenell, W. H., Pierrepont Manor, N. Y.
Griffith & Turner Co., Baltimore, Md.—Melvin S. Griffith and wife.
Gurney Seed Co., Yankton, S. D.—Geo. W. Gurney, D. B. Gurney.
Hastings, H. G., & Co., Atlanta, Ga.—H. G. Hastings.
Henderson, Peter & Co., New York.—Alexander Forbes.
Hogg & Lytle, Toronto, Can.—A. O. Hogg.
Holmes Seed Co., Harrisburg, Pa.—H. Holmes.
Illinois Seed Co., Chicago, Ill.—George S. Green.
Isbell, S. M. & Co., Jackson, Mich.—F. G. Johnson.
Jefferson, J. Will, Louisville, Ky.
Jefferson, Thomas, Harrisburg, Pa.
Johnson Seed Co., Philadelphia, Pa.—Herbert W. Johnson.
Keeney, N. B., & Son, Leroy, N. Y.
Kendel, A. C., Cleveland, O.
Lambert, S. L., Co., Baltimore, Md.—S. L. Lambert and wife.
Landreth Seed Co., The, D., Bristol, Pa.—Burnett Landreth, Jr.
W. C. Langbridge and wife, Miss M. I. Johnson, C. P. Guelph.
Leonard, S. F., Chicago, Ill.—S. F. Leonard, Ed. S. Leonard and wife.
Livingston Seed Co., Columbus O.—Josiah Livingston, A. Kruhm.
Luki, A. W., Washington, D. C.
McCullough's, J. M., Sons Co., Cincinnati, O.—Albert McCullough.
McCullough, J. Chas., Cincinnati, O., wife and daughter.
McGowan, S. H., Lebanon, Pa.
Mandeville & King, Rochester, N. Y.—W. T. Fenda.
Maule, Wm. Henry, Philadelphia, Pa.
May, W. H., & Son, Alexandria, Va.—John W. May.
Miami Valley Seed Co., New Carlisle, Ohio.—C. C. Vale.
Michell Co., Henry F., Philadelphia, Pa.
Mingle, P. B. Co., Philadelphia, Pa.—C. R. Koch.
Mixon, W. H., Seed Co., Charleston, S. C.—Harry Mixson.
Moore Seed Co., Philadelphia, Pa.—Max A. Feierstein, Jerome Wills.
Moore Seed Co., Philadelphia, Pa.—Clarence W. Moore and Geo. Hagenbach.
Nebraska Seed Co., Omaha, Neb.—H. G. Windheim.
Northrup, King & Co., Minneapolis, Minn.—C. C. Massie.
Nungesser, Henry & Co., New York City.—W. A. Preschold.
Olds, L. L., Seed Co., Madison, Wis.—S. A. Wilson, wife and daughter.
Page Seed Co., Greene, N. Y.—E. L. Page, wife and two sons, Mr. and Mrs. C. W. Gray.
Parker, J. A., and wife, Toledo, O.
Phillips-Thompson Co., Wilmington, Del.—G. R. Thompson.
Phillips, W. T., & Co., Toledo, O.
Platt, F. S., Co., New Haven, Conn.—F. S. Platt and wife.
Plant, Fred S., St. Louis, Mo.
Rice, J. B., Seed Co., Cambridge, N. Y.—J. B. Rice and wife, J. B. Rice, Jr., Miss Rice.
Robinson, J. C., Seed Co., Waterloo, Neb.—J. C. Robinson and wife, E. T. Robinson.
Rogers Bros., Alpena, Mich.—A. L. Rogers and Miss Mabel Rogers.
Ross Bros., Worcester, Mass.—W. D. Ross.
Rowe, Chas. H., Philadelphia, Pa.
Sackett & Wilhelm Co., Brooklyn, N. Y.—H. Wall.
Scarlett, Wm. G., & Co., Baltimore, Md.—W. G. Scarlett and wife.
Schisler, Corneli Seed Co., St. Louis, Mo.—Adolph Corneli and wife.
Schisler Grain Co., A. W., St. Louis, Mo.—A. W. Schisler.
Schultz, G. Edward, Washington, D. C.
Schwill, Otto, & Co., Memphis, Tenn.—Chas. E. Hecke.
Scultborpe & Sons, H. A., Port Hope, Ont.
Shea, J. F., Boston, Mass.
Simmers, J. A., Toronto, Ont.
Smith, Curtis Nye, Boston, Mass.
Steele, Briggs Seed Co., Toronto, Ont.—A. W. Annandale.
Steele, Briggs Seed Co., Toronto, Ont.—E. F. Crossland.
Stokes, Walter P., Philadelphia, Pa.
Storrs & Harrison Co., Painesville, O.—Robert George.
Streher Lithograph Co., Rochester, N. Y.—Chas. A. Boller and wife.
Tracy, Hon. W. W., Dept. of Agriculture, Washington, D. C.
Vaughan's Seed Store, Chicago, Ill.—Leonard H. Vaughan.
Vick's, James, Sons, Rochester, N. Y.—C. H. Vick.
Vincent, Jr. & Sons Co., R., White Marsh, Md.—R. Vincent, Jr.
White, Kirby B., Detroit, Mich.
Will, Oscar H., & Co., Bismarck, N. D.—Oscar H. Will.
Williams Seed Co., Norfolk, Va.—Lyons H. Williams.
Wood, T. W., & Sons, Richmond, Va.—Robert Wood and wife.
Wood, Stubbs & Co., Louisville, Ky.—C. F. Wood.
Woodruff, S. D., & Sons, Orange, Conn.—Frank C. Wnodruff, Frank W. Woodruff.
Woodward & Son, Wm. H., Latham, N. Y.
Zahm, J. F., & Co., Toledo, O.—F. W. Jaeger.

Stray Notes from Abroad

BY T. A. WESTON

A New White Candytuft

Last season I was trying a fine white Candytuft, called White Empress, and the accompanying photograph shows what a fine garden annual it is. I am sure this flower deserves pushing, for it is vastly different from the old Candytuft of our grandmothers. Messrs. Dobbie & Co. of Rothesay have a strain named White Spiral, which resembles the Empress, and for cut blooms it equals a good Stock.

Vaporite

I observe that our leading soil fumigant, Vaporite, has reached your side. There is no doubt as to its efficiency, providing it is used according to the makers' directions. It must be fully understood, however, that all these powders, be it Vaporite, Apterite, Kilogrub, or any of a like nature, must be dug into the soil prior to planting, and well ahead of the latter if possible. If merely strewn upon the surface, the only pest likely to suffer is the slug. The gases emitted by these fumigants only become active when material is well mixed in the soil, and unless it is well beneath the surface, pests such as wireworms, cut worms, etc., will get below the fumes.

Origin of the Peony Dahlia

One of your correspondents expresses a conviction that the Peony Dahlia is not really of Dutch origin, and in this he is substantially correct. It is impossible to say who raised the first Peony Dahlia, for the majority of Dahlia breeders found such types among their seedlings long before the Dutch varieties were heard of. Hobbies Ltd., of Norfolk, always threw out these gaunt looking flowers, never anticipating a demand for them. Even the great Richard Dean never suggested any commercial value for them, although he was personally fond of them, and used to make a point of selecting a few of the best that appeared at the Norfolk Nurseries, where they were known as "Dean's Mongrels." Baker's, of Wolverhampton, have also identified themselves with the Peony Dahlia, and may perhaps claim to have sent out many of the best sorts.

Prices published in The Florists' Exchange are for the Trade only

Scottii Ferns

2¼-inch pots, $5.00 per 100, $45.00 per 1000;
8-inch pots, $1.00 each.

GARDENIAS

SCOTT'S FAMOUS VEITCHII STRAIN

Strong, established plants from 3-inch pots, ready for a shift into 5's, or for planting in the bench.

Prices on Application

BEDDING PLANTS

Alternanthera Brilliantissima

Strong bushy plants, from 2¼-inch pots, price $3.00 per 100, or $25.00 per 1000.
Yellow and Pink, $20.00 per 1000.

Coleus Verschaffeltii and Golden Bedder; also Assorted Varieties, price $2.50 per 100, or $20.00 per 1000.

Dracaena Indivisa Strong plants, 7-inch at 75c. each, 8-inch at $1.00 each. Smaller sizes at 35c. and 50c. each.

JOHN SCOTT

Rutland Road and East 45th Street, BROOKLYN, N. Y.

Please mention the Exchange when writing.

ORCHIDS—ORCHIDS

Just arrived in splendid order:
CATTLEYA Trianae, Bowringiana, Schroederae, Mendelii and **Gigas Sanderiane**; also **LAELIA Anceps** and **Albida.** These plants are fresh collected and in splendid order.

A few **LAELIAS Anceps Alba, $2.50** each.

G. L. FREEMAN CO., Fall River, Mass.

Please mention the Exchange when writing.

Orchids

Largest Importers, Exporters, Growers and Hybridists in the world.

Sander, St. Albans, England
and
235 Broadway, Room 1, New York City

On July 1st our New York Office will be transferred to
258 BROADWAY, ROOM 721

Please mention the Exchange when writing.

JUST ARRIVED

ORCHIDS

Guaranteed True Type

Cattleya Trianae — Cattleya Mendelii
Cattleya Schroederae
Cattleya Gigas — Cattleya Aurea

In excellent condition. For prices apply to

JOHN DE BUCK
C/O MALTUS & WARE
14 Stone Street NEW YORK CITY

Please mention the Exchange when writing.

ORCHIDS

Just arrived in fine condition.
Oncidium varicosum Rogersii, O. Marshallianum, O. Forbesii; Laelia purpurata, L. cinnabarina; Cattleya citrina, Odontoglossum grande.

CARRILLO & BALDWIN, Mamaroneck, N. Y.

Please mention the Exchange when writing.

ORCHIDS Just arrived, in fine condition a large shipment of **Cattleya Trianae,** also **C. Gaskelliana, Oncidium varicosum Rogersii, O. crispum, Miltonia cuneata, Laelia crispa, L. Perrinii** and many more.

Another lot of **Cattleya Mossiae** and **C. labiata** due shortly.

LAGER & HURRELL
SUMMIT, N. J.

Please mention the Exchange when writing.

F. E.—The Best Advertising Medium

FIELD-GROWN CARNATIONS

FALL, 1910

	Per 100	Per 1000		Per 100	Per 1000
Sangamo	$12.00	$100.00	White Perfection	$7.00	$60.00
May Day	7.00	60.00	Snow Flake	6.00	60.00
Winona	7.00	60.00	Georgia	6.00	50.00
Afterglow	7.00	60.00	Mrs. J. C. Vaughan	6.00	60.00
Winsor	7.00	60.00	O. P. Bassett	6.00	50.00
Enchantress	6.00	60.00	Bay State	6.00	60.00
White Enchantress	7.00	60.00	Wanoka	6.00	60.00
Apple Blossom	6.00	50.00	Ruby	6.00	60.00

We are now booking orders for Field-Grown Carnations, strong, healthy stock ready about July 15. Send us your order and we will reserve plants for you.

S. J. REUTER & SON, Inc., Westerly, R. I.

Please mention the Exchange when writing.

Asparagus

	Per 100
Plumosus, 2¼-in. pots	$2.00
Sprengeri, 2¼-in. pots	2.00

PANSY SEED, New Crop, Giant Flowering, oz. $4.00.

Primroses

Ready July 15.

	Per 100
Chinese and Forbesi	$2.00
Obconica alba and rosea	2.00
Obconica, Giganten	3.00

Cash.

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the Exchange when writing.

ORCHIDS

We are glad to notify our retail customers that we have not anything to do with August Millang Store; therefore if you wish to favor us with your orders, call us by telephone, 51L, Madison, N. J., or to our address in Madison, N. J.

ORDONEZ BROS.

Please mention the Exchange when writing.

CYCLAMEN

PERSICUM GIGANTEUM

Fine bushy plants, from 3-inch pots, $5.00 per 100, 4-inch pots, $10.00 per 100. Cash please.
Give us a trial; we can please you!

J. W. MILLER
Shiremanstown, Pa.

Please mention the Exchange when writing.

PALMS, FERNS

and

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

Please mention the Exchange when writing.

JOSEPH HEACOCK CO.

WYNCOTE, PA.

Growers of fine **KENTIAS**

Send for Price List

Please mention the Exchange when writing.

CYCLAMEN

Splendens Giganteum Hybrids

The strain which I offer is unsurpassable, in 5 colors including fringed varieties, from 2½-in. pots, $5.00 per 100, $45.00 per 1000; from 3-in. pots, $7.00 per 100, $65.00 per 1000. Now ready.

PAUL MADER,
East Stroudsburg, PA.

Please mention the Exchange when writing.

Providence, R. I.

J. F. Wood has a fine display of Boxwood which are being sold to take the place of Hydrangeas which have been supplied for many years past.

Geo. Johnson & Son have been busy with funeral and outside work.

The trade in general is quiet; without the decorations and orders for graduations there would be little doing.

On Saturday last Providence was visited with a severe hailstorm which resulted in severe loss to many tender plants and greenhouses. C. H. Hunt of Oxford st. received more than his share of broken glass. Some of the hailstones were as large as a quarter dollar, others ranging in size from peas to marbles. The rain flooded the streets and many cellars had considerable water in them; it came so fast the sewers were unable to take the water.

Market quotations, May 21, were: My Maryland, Richmond, Bride, Bridesmaid and Killarney Roses, firsts, $5 to $8 per 100; seconds, $3 to $5 per 100; thirds, $1 to $2 per 100. Carnations: firsts, $2 per 100; seconds, $1 per 100; thirds, 75c. Lily of the Valley, $3 to $4 per 100. Cut Ferns, $1.50 to $1.75 per 1000. Adiantum Ferns, $1. Lilies, 5c. to 8c. each. Mignonette, $1 to $1.50 per 100. Marguerites, $1.50 per 100; getting scarce. Sweet Peas, 50c. Stocks, $2. Digitalis, $3 to $5. H. C. N.

POINSETTIAS

Fine, strong, healthy young plants, out of 3-in. pots, $5.00 per 100.

WHITMANI FERNS, for 5-in pots, $25.00 per 100.
BOSTON FERNS, $25.00 per 100.

PAUL J. BURGEVIN, PORT CHESTER, N. Y.

Please mention the Exchange when writing.

Asparagus Plumosus Nanus

From 2-in. pots, nice plants, $2.00 per 100.

ASPARAGUS Sprengeri, strong, from 2-in. pots, $2.00 per 100.

CYPERUS ALTERNIFOLIUS (Umbrella Plant), 2-in., very fine, from seed, $2.00 per 100.

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Please mention the Exchange when writing.

CLOSING OUT ON 'MUMS

3000 Appleton	1000 Bonnaffon	250 Mrs. Robinson
2000 Dr. Enguehard	1000 Chadwick	550 Partridge
1000 Pacific	200 Pockett's Crimson	400 Monrovia
1000 Mrs. Dunne	400 Yellow Miller	1000 Nonin

All the above at $2.50 per 100; $25.00 per 1000.

Chadwick, $3.00 per 100; $30.00 per 1000.

CHAS. H. TOTTY, Madison, N. J.

Please mention the Exchange when writing.

CHRYSANTHEMUM STOCK

2¼-in. pots.

Our stock plants have been grown in solid benches in one of our best and lightest houses since December 1 last. We have largely increased our stock and can fill all orders promptly. We will quote you special prices on 1000 and 2500 lots.

PINK	Per 100
Glory of Pacific	$2.50
A. J. Balfour	2.50
Maud Dean	2.50
Pink Ivory	2.50
Pacific Supreme	3.00
YELLOW	
Col. Appleton	2.50
Monrovia	3.00
Major Bonnaffon	2.50
October Sunshine	2.50
Golden Glow	2.50

WHITE	Per 100
Alice Byron	$2.50
Jeanne Nonin	2.50
Ivory	2.25
Mrs. H. Robinson	2.50
Beatrice May	3.00
Polly Rose	2.50
Timothy Eaton	2.50
White Dean	3.00
Yanoma	3.00
CRIMSON	
Black Hawk	2.50
John Shrimpton	2.50

NEWER VARIETIES, $5.00 per 100.

Lynnwood Hall, Mrs. Kahn, Golden Glow, Money Maker, Yellow Miller, President Taft

SINGLES AND POMPONS

Rob Roy, Anna Spangle, Irene Cragg, Quinola, $3.00 per 100.

EDWARD J. TAYLOR, Greens Farms, Conn.

Please mention the Exchange when writing.

50,000 CHRYSANTHEMUMS

From 2¼-inch pots, also from soil. Propagated from strong, healthy, bench-grown stock. Our plants from pots are never stunted as they are shifted from pot to flats and placed in frames outside, insuring good working roots. We guarantee them.

WHITE	100	1000
White Cloud	$2.50	$25.00
White Bonnaffon	2.25	20.00
Polly Rose	2.25	20.00
Virginia Poehlmann	3.00	27.00
Robinson	2.25	20.00
T. Eaton	2.25	20.00
PINK		
Glory of the Pacific	2.25	20.00
Mayor Weaver	3.00	27.00
Pacific Supreme	2.50	26.00
Chadwick	2.50	25.00
Enguehard	2.25	20.00
C. Touset	2.25	20.00
H. Frick	2.50	25.00
YELLOW		
Yellow Bonnaffon	2.25	20.00
R. Halliday	2.25	20.00
Arline	2.25	20.00
Appleton	2.25	20.00
Nagoya	2.25	20.00
Monrovia	2.25	20.00
Golden Glow	2.50	25.00

From soil, $1.50 to $2.50 per 100; $15.00 to $20.00 per 1000.
From sand, $10.00 to $15.00 per 1000.

25,000 **BOUVARDIAS**, 2¼-in. pots, white, pink and red, $2.00 per 100; $18.00 per 1000.
TALL GROWING STEVIA, from sand, $1.00 per 100; $9.00 per 1000.
ASPARAGUS PLUMOSUS, from 3½-in. pots, strong, $10.00 per 100.

MOREL BROTHERS, 622 E. Market St., Scranton, Pa.

Chrysanthemums

All the Standard Varieties

POMPONS and SINGLES

$2.00 per 100, $15.00 per 1000

Stock guaranteed true to name

GEO. B. HART

24 Stone St., ROCHESTER, N. Y.

Please mention the Exchange when writing.

FLORISTS' 'MUMS

EARLY.	From pots 100	1000
Clementine Touset	$3.00	$25.00
Gloria	4.00	30.00
Ivory	3.00	25.00
October Frost	3.00	25.00
Pacific Supreme	3.00	26.00
MID-SEASON.		
A. J. Balfour	3.00	25.00
Col. D. Appleton	3.00	25.00
Crocus	3.00	25.00
Mrs. W. E. Kelley	4.00	30.00
Major Bonnaffon	3.00	25.00
Pres. Roosevelt	4.00	35.00
Pres. Taft	10.00	
LATE.		
Intensity	4.00	30.00
Nagoya	4.00	30.00
Yanoma	3.00	25.00

Special fine lot of Anemones, Pompons and Singles, from pots, list of varieties on application; or our selection, $3.00 per 100, $25.00 per 1000.

Elmer D. Smith & Co.

Adrian, Mich.

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Rooted Cuttings

White: Baby Margaret, Touset, A. Byron, Timothy Eaton, J. Nonin, Ivory, Desjouis.
Pink: Amorita (very early), Glory of the Pacific, M. Dean, Mary Mann, Rosette, P. Ivory.
Yellow: Golden Glow (very early), M. Bonnaffon, Y. Eaton, Cremo, Robt. Halliday, Golden Eagle, Yellow Jones, Golden Baby.

Send for Price List.

WILLIAM SWAYNE, P. O. Box 215, KENNETT SQ., PA.

Please mention the Exchange when writing.

SPECIAL GRAND Chrysanthemum Offer

1000 OCTOBER FROST or GOLDEN GLOW, out of 2½-inch pots, $17.50; 500 for $9.00.

WHITE VARIETIES.	R. C. 100	R. C. 1000	2½-in. pots. 100	2½-in. pots. 1000
October Frost (500 for $9.00)	$2.00	$16.00	$2.50	$17.50
White Seedling No. 1	5.00	40.00	6.00	50.00
White Seedling No. 2	8.00	75.00	9.00	80.00
Virginia Poehlmann	3.00	26.00	4.00	36.00
Alice Roosevelt	3.00	25.00	4.00	35.00
Alice Byron	2.00	15.00	2.50	20.00
Minnie Wanamaker	2.00	15.00	2.50	20.00
Nonin	2.00	15.00	2.50	20.00
White Bonnaffon	2.00	15.00	2.50	20.00
Yanoma	4.00	30.00	5.00	45.00
John Burton (late)	4.00	30.00	5.00	45.00
Chadwick	3.00	25.00	4.00	35.00
Novelties.				
Lynnwood Hall	5.00	40.00	6.00	50.00
Pres. Taft	10.00		12.00	
Pompon Baby Margaret	10.00		12.00	
YELLOW VARIETIES.				
Golden Glow (500 for $9.00)	2.00	15.00	2.50	17.50
Monrovia	2.00	15.00	2.50	20.00
Appleton	2.00	15.00	2.50	20.00
Maj. Bonnaffon	2.00	15.00	2.50	20.00
Golden Eagle (new)	4.00	35.00	5.00	45.00
Golden Chadwick	3.00	27.00	4.00	35.00
Mrs. W. E. Kelley (new)	10.00		12.00	
Virginia (new)	10.00		12.00	
Baby (Pompon)	5.00		6.00	
PINK VARIETIES.				
Rosiere	2.00	15.00	2.50	20.00
Minnie Bailey	2.00	15.00	2.50	20.00
Dr. Enguehard	2.00	15.00	2.50	20.00
Hankey	4.00	35.00	5.00	40.00
RED VARIETIES.				
Cullingfordii	3.00	25.00	4.00	35.00
Black Hawk	3.00	25.00	4.00	36.00

BEDDING PLANTS

3-inch stock of following: Salvias, Lobellas, Petunias, Ice Pink, Salleroi Geraniums, German Ivies, Thunbergias, and all standard cutting and seedling stock, $3.00 per 100, $25.00 per 1000.

PRINCESS OF WALES VIOLETS, Rooted Runners, $2.00 per 100.

I. M. RAYNER

GREENPORT, N. Y.

Please mention the Exchange when writing.

Chrysanthemums

Extra fine young stock, out of 2¼-in. pots, $20.00 per 1000, of Bonnaffon, J. Nonin, Golden Glow, Ivory and Zimmer's Yellow, in great quantity.

POMPONS

Klondike, Diana (Queen of the White), Zenobia, Baby Marguerite and Yellow Baby, $20.00 per 1000. Also a good variety of best sorts for cut flowers.

Cash with order please.

CHARLES ZIMMER

West Collingswood, N. J.

Please mention the Exchange when writing.

Prices Advertised in these Columns are for THE TRADE ONLY

Major Bonnaffon Cuttings

Fine, healthy stock, out of soil, $2.00 per 100 $15.00 per 1000. Cash with order.

JOHN COOMBS, West Hartford, Conn.

Please mention the Exchange when writing.

50,000 CHRYSANTHEMUMS. Clean and Well-Rooted, From Sand and Soil. October Frost, Opal, Glory of Pacific, Monrovia, Touset, Pink Ivory, Ivory, White Bonnaffon, Timothy Eaton, Clay Frick, White Duckham, J. Nonin, Dr Enguehard, Yellow Jones Maj. Bonnaffon, Minnie Bailey, Maud Dean, Black Hawk, Estelle, Whildren, Robt. Halliday. Price, $2.00 per 100; 500 or 1000 at $1.50 per 100.

BENJAMIN CONNELL, Merchantville, N. J.

Please mention the Exchange when writing.

DO YOU GROW 'MUMS?

WHITE HELEN FRICK

(SPORT)

The best and only **Late White**, fine stock, from 2½ inch pots, $8.00 per 100, $75.00 per 1000.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the Exchange when writing.

CHRYSANTHEMUMS

Owing to non-renewal of lease, following stock grown for own use is for sale: 3000 Pacific, 4000 Yellow Bonnaffon, 2000 White Bonnaffon, 1000 Pink Maud Dean, 1000 Enguehard, 1000 Monrovia, at $20.00 per 1000, out of 2-in. pots. Cash with order.

BAY VIEW GREENHOUSES

2300 Flatbush Avenue, BROOKLYN, N.Y.

Please mention the Exchange when writing.

ORDER NOW For June Delivery

Begonia Gloire de Lorraine

2½-in., $15.00 per 100, $140.00 per 1000

Cyclamen

2½-in., $5.00 per 100, $45.00 per 1000

Poinsettias

2½-in., $5.00 per 100, $45.00 per 1000

Primula Obconica and Chinensis

2½-in., $3.00 per 100, $25.00 per 1000

SCRANTON FLORIST SUPPLY CO.

Scranton, Pa.

Please mention the Exchange when writing.

SHASTA

For biggest returns plant our new white carnation **Shasta.**

Field-grown plants in August and later.

$12.00 per 100; $100.00 per 1000

BAUR & SMITH, Indianapolis, Ind.

Please mention the Exchange when writing.

CHICAGO CARNATION CO.

JOLIET, ILL.

Please mention the Exchange when writing.

Carnations

F. Dorner & Sons Co.

LA FAYETTE, INDIANA

Please mention the Exchange when writing.

THE NEEDED TOUCH
To Decorations, Bouquets, Baskets, etc., is secured through the use of
PINE TREE RIBBONS AND CHIFFONS
Rich Lustres, Florists' Shades, many widths and colors, right prices.
SAMPLES FREE
The Pine Tree Silk Mills Company
Philadelphia, Pa.
806-808-810 ARCH STREET
THE PINE TREE SILK MILLS L.D.S.&Co.
Please mention the Exchange when writing.

New Crop Ferns Now Ready Only $1.00 per 1000
Let us have your orders, and you will be sure of the best to be had and at rock bottom prices.
GALAX, bronze or green, 75c. per 1000. Special lot of Bronze Galax, at $6.00 per case of 10,000. SPHAGNUM MOSS, 12-barrel bales for $3.50. Nice Stock. Try a bale. GREEN MOSS, $1.25 per barrel. Use our LAUREL FESTOONING, for decorations, 4c., 5c., and 6c. per yard. Made fresh daily from the woods. SMILAX, 50 lb. cases, $6.00. PINE, 7c. per lb.
CROWL FERN CO.
Telegraph office; New Salem, Mass. L. D. Phone Connection
Nice, large bunch of Laurel Branches, 35c. Laurel and Pine wreaths, $2.00 to $3.00 per doz. Boxwood, $15.00 per 100 lbs.
CROWL FERN COMPANY, - MILLINGTON, MASS.
Please mention the Exchange when writing.

Henry M. Robinson & Co., Wholesale Commission Florists
CUT FLOWERS OF ALL KINDS
HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES
Southern Wild Smilax, Branch Laurel, Laurel Festooning, Green and Sphagnum Moss, Boxwood Sprays.
New Crop Dagger and Fancy Ferns, $2.00 per 1000; Bronze and Green Galax, $1.00 per 1000, $8.50 per 10,000; Leucothoe Sprays, $1.00 per 100, $7.50 per 1000.
A large stock constantly on hand; can fill orders at a moment's notice. Telephone or Telegraph.
Telephone: 2617--2618 Main, Fort Hill 25290.
15 PROVINCE STREET & 9 CHAPMAN PLACE, BOSTON, MASS.
Please mention the Exchange when writing.

THE KERVAN CO. 113 WEST 28th STREET NEW YORK
WHOLESALE
ALL DECORATING EVERGREENS.—Southern Wild Smilax, Fresh Cut Palmetto and Cabbage Palm Leaves, Fresh Cut Cycas, Hemlock, Laurel, Spruce and Box Wood Branches, Ropings made on order, all kinds and sizes.
Fancy and Dagger Ferns, Green and Bronze Galax and Leucothoe Sprays, Sphagnum, Dry Green Sheet, Lump and Spanish Mosses.
Painted Palmetto, Dyed Sheet Moss, Cocoa Fibre, Birch and Cork Barks, etc., etc.
All Decorating Material in Season.
Please mention the Exchange when writing.

REED & KELLER 122 W. 25th Street NEW YORK
We Manufacture Our Own . . FLORISTS' SUPPLIES Metals, Wire Work and Basket Work
Please mention the Exchange when writing.

Florists' Refrigerators
Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.
McCRAY REFRIGERATOR COMPANY
167 Lake Street KENDALLVILLE, IND.
Please mention the Exchange when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.
Please mention the Exchange when writing.

E. A. BEAVEN
EVERGREEN, ALA.
LOG MOSSES
Natural and perpetuated. Orders booked now for future delivery.
Please mention the Exchange when writing.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire
IGOE BROTHERS
Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes
63-71 Metropolitan Ave., BROOKLYN, N. Y.
Please mention the Exchange when writing.

SOUTHERN WILD SMILAX FERNS FULLY GUARANTEED
LOUISVILLE FLORAL CO.
LOUISVILLE, ALA.
Please mention the Exchange when writing.

Retail Notes

SPRINGFIELD, ILL.—The store of A. C. Brown at 217 South Fifth st., is being improved with a new front.

MARYSVILLE, CAL.—The business of the Marysville Flower and Seed Store has been removed to Sacramento.

SHAWNEE, OKLA.—The Brenner Floral Co. has opened a salesroom at 224 North Broadway st.; and in September will open a large display room in Oklahoma City.

FAIRMONT, W. VA.—Large numbers of Carnations were distributed at Daffin's new confectionery and floral store on the afternoon of June 4, as souvenirs of the opening of the store.

Tarrytown Horticultural Society

The annual Rose and Strawberry exhibition of the Tarrytown Horticultural Society was held in the Young Men's Lyceum, Tarrytown, on Tuesday afternoon and evening, June 14.

The exhibition was the finest the Society has ever held. On account of the unusual amount of wet weather, there was available a remarkably fine lot of Roses, fruits, and vegetables. Frau Karl Druschki Rose was in elegant shape.

F. R. Pierson Co. made a very fine exhibit, consisting of Palms, Peonies, Climbing Roses and sprays of Mountain Laurel. Scott Brothers had a fine exhibit of Peonies and Roses. Miss Blanche Potter and Mrs. J. B. Trevor had fine exhibits of Sweet Peas.

A certificate of merit was awarded Mrs. Trevor for a new seedling climbing Rose, Glen View. A certificate of merit was awarded the Park Department of White Plains for a collection of Rugosa Roses. A certificate of merit was awarded H. Darlington for Chrysanthemum Pride of Seven Oaks. A variegated Rose, exhibited by Blanche Potter, attracted considerable attention.

The awards were quite numerous, and the classes well filled.

Connecticut Horticultural Society

June 10, the night for our regular meeting, proved to be too early for the exhibition of hardy Roses; and hence the time was largely given up to the subject of Peonies. Treasurer W. W. Hunt brought a splendid collection of blooms of twenty-four varieties, mostly of the Chinese type in the following varieties: Triomphe du Nord, Francois Ortegat, Mathilde, Queen Perfection, Louis Van Houtte, Rivitor, Albert Crousse, Marquis de Lory, Onivera, Victor Modeste, Delaices, Plutarch, Grandiflora carnea plena, Artemise, Rubicanda, Caroline Mathieu, Queen Victoria, Canary Yellow, Madame Breon, Festiva maxima, Single Pink Emma, Liliania, Perfection, and Humei.

Mr. Hunt cultivates about a hundred varieties, and the above, he said, are among the best. He has produced many seedlings but none that he has thought worthy of propagation.

Much valuable information was elicited from Mr. Hunt and President Huss regarding this popular and valuable flower. The latter spoke of its growing favor with the public, its great freedom from disease and insects, and the usefulness of the leaves, after blooming time, in making up bouquets. It takes four or five years to obtain a flowering plant from seed. Propagation is chiefly by division, usually in September and October. Mr. Hunt was asked to name the best twelve varieties of Peonies for a succession for home use, and he replied that it is difficult to do so, because there are so many good varieties; but he promised to consider the subject, and to furnish such a list at a later date. The judges, Messrs. T. B. Brown of Windsor, John Gerard of New Britain and Carl Peterson of West Hartford, awarded Mr. Hunt a diploma for his grand collection of blooms.

Our plans are rapidly being made for the two Fall exhibitions at Hartford, one in September for Dahlias, and one in early November for Chrysanthemums. Our premium lists are expected to be much enlarged, and to contain many more advertisements than we have ever sought before, and possibly photographs of the officers.

President Huss expects to leave us on July 7, for a visit of several months at his old home in Switzerland.

Our next meeting, which will fall on the 24th instant, will be "Hardy Rose Night;" and an address is expected from our former efficient secretary, and now superintendent of Elizabeth Park, Hartford, Mr. Alex. Cumming, Jr.

GEORGE W. SMITH, Secretary.
Melrose, Conn., June 14, 1910.

SALT LAKE CITY, UTAH.—D. R. Larsen has been appointed florist for Liberty Park.

DENVER, COL.—J. E. Goembel, an attorney of Rockford, Ill., has written the Denver police asking that search be made for Whitman C. Rowley, a florist, who left Fort D. A. Russell, Wyo., March 31, and who is supposed to be in this city. He appeared to be mentally deranged when he left Fort Russell. His mother, a widow, living in Rockford, is anxious to have him located.

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REVIEW OF THE MARKET

NEW YORK, June 22.—On Monday, during the earlier hours of the day, the market was moderately active, but not to the extent of advancing the price of any stock. Tuesday and Wednesday sales were slower, even in the morning hours, and in the afternoon each day the market was "asleep." The rise in temperature, combined with the humidity, causes flowers to arrive in poor condition, and makes it impossible to hold them. No single item shows an advance in price, and several show a downward tendency. Let it be noted that these conditions of the market are not abnormal, but what may be expected at this season of the year.

There is a rather short supply of American Beauty Roses, specials, but not so marked as to advance the price which remains at 20c. each in the larger transactions, and 25c. each for selected blooms in small lots. The specials are moving well. In the poorer grades the supply is abundant, and the demand is not as strong. There is a plentiful supply of Killarney, My Maryland and Richmond, with My Maryland the favorite among pink Roses. The abundance of outdoor Jacqueminot still has its effect upon Richmond by diminishing the demand for it. The best grade of these Roses is selling for 5c. each, Killarney and Maryland moving more freely than Richmond, and all three varieties in the lower grades selling for a song. Bride and Bridesmaid for the most part are arriving in wretched condition, suffering by comparison with White Killarney, Kaiserin and My Maryland, and moving very slowly at 4c. each for best grade, with a cent better price in small sales for selected blooms, with unmentionable prices for lower grades. There is only a moderate supply of Kaiserin, but enough to balance with all demands, and arrivals moving fairly well, as the quality is good, at 5c. each for best grade.

There is a small supply of the best grade of Carnations and an abundant supply of poorer grades; the former meeting with a fair demand at $1.50 per 100, and the latter meeting with a slow sale at very low figures. In fact, the major part of the sales of Carnations today are at 75c. to $1 per 100.

While several prominent dealers in Gardenias are not receiving any blooms at the present time, others are receiving heavy shipments, and there exists almost no demand. The best price obtainable under these conditions is $1 per dozen for top grade.

Practically, Cattleyas are now the only Orchids in the market, and of these the varieties gigas and Gaskelliana chiefly. The supply is plentiful, and the demand only moderate. 50c. each is the top notch price for the very choicest blooms, with most of sales of good blooms from that figure down to 25c. each.

The supply of Lily of the Valley meets all demands; the quality is good, and it is moving well at $3 per 100 for best grade. Lilies are arriving in numbers so much out of proportion to the demand that the only way a demand can be created is by throwing down the price so low that it strikes a chill through all parties concerned, except the buyer. In all large sales $15 to $20 per 1000 is the best price, while a few, in fifty or one hundred lots, realize 3c. each.

Sweet Peas, so far this week, are arriving in miserable condition, on account of the heavy rainfall followed by extreme heat. There is a good demand for the best grade blooms at 75c. per 100. The poorer grades are "done up" in a few hours after arrival and go to the barrel.

The quality of the Smilax and Asparagus now arriving is very satisfactory, and the supply and demand balance. The quantities of miscellaneous outdoor stocks now coming in, such as Wallflowers, Delphiniums, Feverfew, Larkspur, Garden Pinks, Rambler and Jacqueminot Roses, are moved only by making the prices very low.

PHILADELPHIA, June 20.—The market cleaned up fairly well on Saturday last, but at considerable sacrifice in prices. There is now a brisk business during the morning hours, which is followed by a lull which usually continues during the remainder of the day, as far as local business is concerned. Nevertheless, the books show a better business now than at this season one year ago.

There is a fair supply of American Beauty Roses arriving, with a quality medium to poor. They are moving very well, with a tendency to firmer prices; specials are selling at 25c. each for the choicest blooms; the lower grades also are bringing a little better prices. There is a good supply of Killarney and My Maryland and they are holding up well, both in quality, in general, and also in color. They are moving well, and the choicest blooms in some sales fetch as high as 10c. each, but 8c. and under is the basis of most transactions. Shipments of Bride and Bridesmaid, with few exceptions, are coming in poor condition, and are moving slowly. A few fancy specials realize 10c. each, but most sales are on a much lower basis; 6c. and under being the prevailing figures. Kaiserin now is off crop with many growers, and the supply short, although there is a good demand. The quality is good and the best grade is selling for 10c. each and under. In fact, the supply of good white Roses of all varieties is now somewhat short. The supply of Richmond is about equal to the demand, with firmer prices, possibly on account of the moderate supply of Am. Beauty. The best grade in some sales is bringing as high as 12c., but most of sales are made at from 10c. down.

There is only a fair supply of Carnations, and for the season the quality is good, and they are moving moderately well. The best grade is selling for 3c. and under. The supply of Gardenias is not at all plentiful, but there is very little demand. The best flowers realize about $1.50 per dozen, with most sales on a lower basis. The supply of Orchids has shortened, but not enough to advance the prices. Cattleyas gigas and Gaskelliana are chiefly in evidence, and, for top grade, are selling at 50c. each. There is a good supply of Lily of the Valley and it is moving well, some special fancy realizing $5 per 100, but $4 down is the figure in most transactions. Few Callas are arriving, and there is very little demand for them. The selling price for the best is $1.50 per dozen. There is a good demand for Sweet Peas, but just now they are arriving in a damaged condition, because of the recent heavy rainfall; $1 per 100 is the price for the best grade, which sells well. Gladioli are in moderate supply, and moving well; the best grade bring from $1.50 per dozen down. The supply of greens is abundant, and all greens are moving slowly, except Adiantum, for which just now there is a good demand. The supply of miscellaneous outdoor stock now coming in is over-abundant and is moving slowly at low prices.

BOSTON, June 21.—The market this week, so far, is slightly better than it was a week ago, and although there is quite a little surplus, things clean up fairly well. There are some weddings, but nothing of the business we have seen in that direction in previous years. The weather has changed, bright sunshine and the thermometer at 90° so we expect business will improve.

Roses have been quite plentiful and the only outlet for relief of the situation has been through the boys on the street, who purchase large quantities at very much reduced prices. These boys are a godsend to many when flowers are so plentiful. Carnots and the Killarneys are the best sellers.

Carnations are abundant and of good quality, and large quantities have to be disposed of at much reduced prices.

Sweet Peas are in good demand and there are very few left unsold each day. The Spencers are showing up well now and are of good quality.

Gladioli are selling quite well now, more especially the large flowered kinds, such as America, and are realizing good prices. Peonies are becoming abundant, but there isn't an enormous surplus so far. Rain has injured many of them. Stocks are plentiful and the finest white forms realize handsome prices. Lily of the Valley is in good demand and not overplentiful. Asters grown under glass are coming to market in small quantities. Orchids are plentiful. Asparagus and Adiantum are in good demand, and the supply has improved somewhat. R. C.

CHICAGO, June 21.—As in all other years at this season, the market is in anything but a settled state and the prices on all stocks are not really quotable. At times there is a demand for certain flowers, and fair prices can be realized.

American Beauty Roses have the preference over any flower at present, being used extensively for graduations. Good Killarneys are also coming into prominence for these occasions, as well as for weddings. Other Roses are not in much demand, except for funeral work. American Beauty is holding at $2 per doz. for best. Killarney, for extra fancy, soar to $8 per 100 at times. Many Roses are affected with mildew and ultimately find repose in the garbage barrel, and others sell for what can be obtained for them.

Carnations are overwhelming in quantity and the quality is from good stock down to decidedly bad; and as all come in a more or less soft condition it is almost impossible to find enough good hard flowers to fill shipping orders. The price varies, $2 per 100 obtainable for shipping stock down to where they are sold by bulk instead of count. The Greeks are buying flowers by the load and peddling them at the corners of the busy district.

Sweet Peas have diminished in supply to a marked degree since last writing. The warm weather has about finished the supply. Such as are on the market are not of as good quality as previously. Peonies are at a standstill, so much so that they are being rushed to cold storage. Even with the best at $2 per 100 they are not popular.

Some good Cattleyas are to be had, especially C. gigas, which is coming in excellent shape; the demand is steady for Orchids. Cape Jasmine is about over, and Gardenias, unless ordered specially, are not to be obtained.

Some fine Delphiniums, Snapdragons, Stocks, and Candytuft are arriving, but are only in demand for window show purposes. Green stock is in demand at times when decorations call for its use, and there is plenty of good greens for all purposes.

INDIANAPOLIS, June 20.—The last month in the florists' calendar is rounding up nicely with a number of decorations and a satisfactory amount of counter trade. Flower receipts are not nearly so heavy as a week ago, and about everything not desirable for direct sales is used in funeral work, which has been arriving regularly.

Garden flowers have been smiled upon by Nature this season and many varieties are finding a profitable sale; in fact, one grower stated recently that he believed that production without greenhouses might be profitable. Lilium candidum are among the choicest of them at $5 per 100 flowers. Coreopsis and Shasta Daisies at $1.50 per 100 are also good sellers.

Some of the growers have begun emptying their Carnation houses, so that the cut has been reduced, and prices are about what they should be, i. e., $2 to $3 per 100; 60c. to 75c. per doz. is the usual retail figure.

Chicago Roses are best in quality right now; $6 to $7 per 100 is being paid for the best Killarneys, Richmond and Kaiserins. American Beauty is selling better at $5 to $25 per 100. Home grown Bridesmaid and Bride sell well at $3 to $6 per 100. The customary counter-price for Tea Roses is $1 to $2 per doz.

Callas are out of the market; Harrisii Lilies are selling readily at $12.50 per 100, as are Lilium auratum at $15 per 100. Indoor Sweet Peas are plentiful and of unusual quality, at 75c. per 100.

A few specimen Hydrangeas are about all that keeps the plant department from being void of desirable blooming plants, with the exception of bedding stock. I. B.

ST. LOUIS, June 20.—The market at present is well stocked with everything in season, and business is fairly good, with school work and late weddings. Now that the season has ended, not much of anything is being looked for except funeral work. Cut stock will be plentiful for a while yet until the growers begin to pull out the old stock, when a scarcity will exist for a while.

Sweet Peas are in abundance in all colors and sell for $3 in thousand lots for extra choice; others from $1.50 to $2 per 1000. Roses show the effect of the hot weather and come in wide open and ship poorly. American Beauty bring $3 per dozen for long fancy; Bride and Bridesmaid sell best now at $5 for choice. Carnations, too, are more than the trade can use up, and are selling at $2 per 100 for extra choice and in big lots as low at $10 per 1000. Lily of the Valley had a big call last week, but now that the wedding season is over will sell slow. The best go for $3 per 100. A few Asters are coming in, and these will soon take the place of Carnations. Gladioli stalks sell well at $8 per 100 for choice. Outdoor stock, such as field Daisies, Cornflowers, Candytuft, Feverfew, and Hollyhocks are in plenty, but very slow in demand at present. There are plenty of Ferns and other greens to be had. ST. PATRICK.

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Wholesale Prices of Cut Flowers, New York, June 22nd, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—	
A. Beauty fancy—special	12.00 to 20.00
" extra	8.00 to 10.00
" No. 1	5.00 to 8.00
" No. 2	3.00 to 5.00
" No. 3	1.00 to 3.00
Killarney	.50 to 5.00
White Killarney	.50 to 5.00
My Maryland	.50 to 5.00
Richmond	50 to 5.00
Mme. Abel Chatenay	.... to ....
Kaiserin	1.00 to 5.00
Golden Gate	.... to ....
Bride, Maid, fancy—spec.	3.00 to 5.00
" extra	2.00 to 3.00
" No. 1	1.00 to 2.00
" No. 2	.50 to 1.00
Adiantum	.... to 1.00
Croweanum	.... to 1.00
Antirrhinum (per bunch)	.... to ....
Asparagus, cut strings	.25 to .40
Plumosus, bunches	.12 to .20
Sprengeri, bunches	.12 to .20
Bouvardia	.... to ....
Callas	.... to ....
Daffodils	.... to ....
Daisies	.50 to 1.50
Ferns, per 1000	1.50 to 2.00
	.... to ....

CARNATIONS—	
Inferior grades, all colors	.50 to .75
Standard Varieties: White	.75 to 1.00
Standard Varieties: Pinks	.75 to 1.00
Standard Varieties: Red	.75 to 1.00
Standard Varieties: Yel. & Var.	.75 to 1.00
Fancy (The highest grades of Sta'd varieties): White	1.00 to 1.50
*Fancy: Pinks	1.00 to 1.50
*Fancy: Red	1.00 to 1.50
*Fancy: Yel. & Var.	1.00 to 1.50
Novelties	.... to ....
Gardenias, per doz.	.50 to 1.00
Lilacs, per bunch	.... to ....
Lilies, Harrisii and Longi.	2.00 to 3.00
Lily of the Valley	1.00 to 3.00
Mignonette, per doz.	.10 to .25
Narcissus	.... to ....
Orchids, Cattleyas	25.00 to 50.00
Cypripediums, per doz.	.... to ....
Dendrobium Formosum.	.... to ....
Pansies, per doz. bunches.	.... to ....
Poinsettias, per doz.	.... to ....
Hyacinths	.... to ....
Smilax (per doz. strings)	1.00 to 1.50
Stevia, per bunch	.... to ....
Sweet Peas, per doz. bun.	.50 to .75
Tulips	.... to ....
Iris	.... to ....
Peonies	2.00 to 5.00

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TELEPHONE, 1462-1463 MADISON SQUARE CUT FLOWERS AT WHOLESALE

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New York

One of the most important decorative plant auction sales of the season will be held next Monday, June 27, at 1 o'clock p.m., by The Fruit Auction Co., John P. Cleary, auctioneer, covering the stock of decorative plants of F. H. Dressel, Gregory ave., Weehawken Heights, N. J. The sale will take place at the greenhouses at this address. The plants are in the best possible condition, suitable for immediate use or for growing on, and are sold with the object of making more room in the greenhouses. The assortment includes Boston Ferns in 5½, 6, 7, 9 and 10-inch pots, Dracæna Massangeana from one to two feet in height, Hydrangeas with from 12 to 30 flowers. Tradescantias, Dracæna Godseffiana in various sizes, Aspidistra variegated, 15 to 30 leaves, and many other fine plants. Further information can be obtained from the auctioneers or from F. H. Dressel, Weehawken, N. J. No better chance will be offered this season to stock up on the items named. The quantities are large and will be sold in lots to suit purchasers. It may be well to mention here that to reach the place of sale from New York, take the W. 23d st. ferry to 14th st., Hoboken, then the Boulevard car to Sunnyside ave.; or from Hoboken take Union Hill car to car stables, then walk three blocks to the east.

C. Ph. Freriks, representing F. R. Pierson Co., Tarrytown, will sail for Rotterdam on June 28, expecting to return about September.

The Wilson Hoyt Co., Metropolitan Building, 1 Madison ave., is sending out circulars showing the application of new patents recently issued to it, which will simplify the erection of moulds, thereby facilitating the matter of growers erecting their own concrete benches. The company has a large number of contracts for future work. It is erecting concrete benches in the greenhouse ranges of D. Y. Mellis of Snyder ave., Flatbush, of John Condon, and W. H. Hall, both of Brooklyn, N. Y., and of Herbert Fletcher, of Middlebrook, N. Y. In addition to work previously done the company is installing more benches at Henry Darlington's, Flushing, L. I., and Fred Marquard's, Middle Village, N. Y. Andrew Wilson, formerly of the Wilson Plant Oil Co., is representing the firm among the private growers, and Elliott Creighton, a new salesman, is working in Pennsylvania.

Mrs. John Birnie of West Hoboken, and two daughters are at Stroudsburg, Pa., on an extended visit. They will come to New York to attend the Club outing on June 28, but will return to Stroudsburg afterward.

The storm of Saturday last demolished the tents at the Canal st. market. One was completely destroyed; the other has been patched up to meet the present small requirements of the trade.

The N. Y. and N. J. Association of Plant Growers will hold its annual picnic at Lake Hopatcong, N. J., on July 7. Special cars will be attached to the 8.15 a.m. train on the D. L. & W. R. R. leaving the Hoboken depot. The committee in charge of the affair has arranged an interesting program of sports for both gentlemen and ladies, including bowling, shooting, boating, dancing, bathing, tennis, etc. Luncheon and dinner will be provided and the tickets cover everything, including transportation. The committee comprises Herman C. Steinhoff, Julius Roehrs, Jr., and Herman Schoelzel. The rendezvous is to be Mountain View House.

The Astoria Bowling Club members gave a theatre party, on Saturday last, to their wives and lady friends. They escorted them to the theatre district and attended a matinee performance of "The Summer Widowers," after which they sat down to an excellent dinner at Shanley's. In the evening they attended a performance of "The Merry Whirl." The Club never does things by halves. Nothing but the fact that there are no morning performances at the theatres prevented a triple bill.

Knight & Struck, Metropolitan Building, 1 Madison ave., have recently received importations of Cattleya Schroederiana, Laelia anceps, and the somewhat rare Laelia anceps alba. They report that Cattleya labiata is becoming scarce and that already the price has advanced $25 per case, and a further shortage and advance is looked for. An invoice of Vanda cœrulea is expected soon. George F. Struck of this firm was married at Toronto, June 15, to Miss S. D. Ritchie of Toronto. They will spend their honeymoon in Virginia, returning in about two weeks.

At the store of the Rosary Flower Co., 24 East 34th st., whose rustic store front of white birch bark and poles makes one feel that he is standing in front of a Summer cottage in the Adirondacks instead of a flower store in hustling New York City, is observed some of the largest and finest tub specimens of Japanese Maples seen anywhere. Some of the dissecta varieties, with Fern-like foliage, are relatively rare and very beautiful. Of all the small trees offered for sale, Japanese Maples, in their varied forms and colors, are most beautiful, and best adapted to lawn planting. These Maples came from the company's Mt. Hissarlick nursery at New Rochelle. Some 6-in. pot specimens of the not new, but little seen Phyllanthus, with its exquisitely colored pinnate foliage, are noted. This plant bears the sun well and improves in beauty under the strong light. The Rosary Flower Co. report a large window box business and a good general trade in plants and cut flowers.

Mackintosh, 1539 Broadway, who has occupied this store for two years past, reports that he is receiving many good steamer orders, and a decided increase in business over last year.

Frank Pollatchek, Lenox Hill Florist, 1177 Third ave., reports a good business in wedding and general floral work this June, and a good year with increasing business.

A. T. Buoyard Floral Co., corner of 48th st. and Madison ave, furnished the decorations for the Stevens-Bowen wedding at St. Mark's Church on Thursday, June 23. A Dutch garden effect was produced by the use of Bay trees and Boxwoods. The bride carried a bouquet of Gardenias and Lily of the Valley and the bridesmaids bouquets of pink Sweet Peas. This company also furnished the decorations, both at church and house, for the Hardenbergh-Chisholm wedding at Bernardsville, N. J., Saturday, June 25. The church was decorated with Lily of the Valley and white Sweet Peas and Cibotium Schiedei Ferns.

A. Radice, with Moore, Hentz & Nash, has just returned from his vacation at Lordsville, Pa.; and Edward Hanft, who is with the same company, is taking a vacation at Lordsville.

Sidney B. Nash, son of Jonathan Nash of Moore, Hentz & Nash, was married to Miss Helen B. Ferry on June 15.

The youngest daughter of A. J. Thorpe, of Bedford Station, N. Y., was married on Wednesday, June 22.

Henshaw & Fenrich, 51 West 28th st., are receiving some Carnations of remarkably good quality for June cutting.

Keitches Bros., florists at 2 East 23d st., are taking a two weeks' vacation in Virginia.

Andrew Sauter and his wife and three sons, of Nyack, N. Y., will sail for Europe in the early part of July for a three months' visit in Germany, Switzerland, France and Holland.

Carl Marx, and daughter, of Adrian, Mich., were in the city on June 18, and sailed on the same day on the S. S. Lapland for Antwerp. They will spend some time in Bonn, Germany.

Frank Valentine, 158 East 110th st., gives a June walk to the children this Saturday. Last year 500 children were in the party; this year he hopes to have as many.

Greenhouses Building

LANCASTER, PA.—Fred W. Ritchey is building two new houses.

MANCHESTER, CONN.—John H. Cheney is building a new house, 25 by 61 ft.

LAWRENCE, MASS.—E. W. Blair is erecting an additional greenhouse on Lowell st.

LENOX, MASS.—A 73 by 28 ft. greenhouse is being erected for Mrs. John E. Parsons at Interlaken.

HUNTSVILLE, ALA.—John Scott, successor to the John T. Fisher establishment is to erect several new houses.

COLUMBUS, O.—The trustees of the Ohio State School for the Blind have awarded a contract to the J. C. Moninger Co., Chicago, for a greenhouse.

Pittsburgh Cut Flower Co.
Wholesale Florists and Growers
The House that Has and Sells Good Goods at Fair Prices
Salesroom: 222 Oliver Ave., PITTSBURGH, PA.
Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Milwaukee Jun. 20, 1910	Pittsburgh Jun. 20, 1910	NAMES AND VARIETIES	Boston Jun. 21, 1910	Detroit Jun. 20, 1910	Cincinnati Jun. 20, 1910
—— to 35.00	20.00 to 25.00	Roses—A. Beauty, fancy—special	18.00 to 25.00	20.00 to 25.00	—— to 25.00
20.00 to 25.00	15.00 to 18.00	" extra	6.00 to 10.00	18.00 to 20.00	—— to ——
12.50 to 18.00	10.00 to 12.00	" No. 1	1.00 to 3.00	12.00 to 18.00	—— to ——
4.00 to 6.00	3.00 to 6.00	" No. 2	—— to ——	6.00 to 10.00	—— to 2.00
—— to ——	—— to ——	Killarney	1.00 to 6.00	—— to ——	2.00 to 4.00
—— to ——	—— to ——	White Killarney	1.00 to 6.00	—— to ——	2.00 to 4.00
—— to ——	—— to ——	My Maryland	1.00 to 6.00	3.00 to 8.00	2.00 to 4.00
—— to ——	4.00 to 12.00	Richmond	1.00 to 6.00	4.00 to 10.00	2.00 to 4.00
4.00 to 6.00	—— to ——	Perle	—— to ——	—— to ——	—— to ——
—— to ——	—— to ——	Golden Gate	—— to ——	—— to ——	—— to ——
4.00 to 8.00	1.00 to 10.00	K. A. Victoria	—— to ——	4.00 to 10.00	—— to ——
—— to 8.00	—— to 8.00	Bride, Maid, fancy—special	—— to ——	8.00 to 10.00	—— to 5.00
—— to 6.00	—— to 6.00	" extra	2.00 to 4.00	6.00 to 8.00	—— to 2.00
—— to 4.00	—— to 4.00	" No. 1	1.00 to 1.60	4.00 to 6.00	—— to ——
—— to 2.00	—— to 2.00	" No. 2	—— to ——	3.00 to 4.00	—— to ——
—— to 1.00	1.00 to 1.50	Adiantum	.50 to 1.50	1.00 to 1.50	—— to ——
—— to 30.00	25.00 to 50.00	Asparagus, Plumosus, bunches	30.00 to 50.00	25.00 to 50.00	—— to 10.00
—— to 30.00	10.00 to 20.00	" Sprengeri, bunches	25.00 to 50.00	25.00 to 50.00	—— to ——
—— to ——	—— to ——	Bouvardia	—— to ——	—— to ——	—— to ——
—— to ——	—— to ——	Callas	—— to ——	12.50 to 15.00	—— to ——
—— to ——	—— to 1.00	Carnations—Inferior grades, all colors	—— to ——	—— to ——	—— to ——
—— to ——	—— to 1.50	Standard Varieties: White	1.00 to 2.50	1.00 to 2.00	.75 to 1.00
—— to ——	—— to 1.50	Standard Varieties: Pink	1.00 to 2.50	1.00 to 2.00	.75 to 1.00
—— to 1.00	—— to 1.50	Standard Varieties: Red	1.00 to 2.50	2.00 to 3.00	.75 to 1.00
—— to ——	—— to 1.50	Standard Varieties: Yellow and var.	—— to ——	—— to ——	—— to ——
—— to ——	—— to 2.00	*Fancy (*The highest grades of Sta'd vars.): White	1.00 to 2.50	2.00 to 3.00	—— to ——
—— to ——	—— to 2.00	*Fancy: Pink	1.00 to 2.50	2.00 to 3.00	—— to ——
1.00 to 2.00	—— to 2.00	*Fancy: Red	1.00 to 2.50	3.00 to 4.00	—— to ——
—— to ——	—— to 2.00	*Fancy: Yellow and var.	—— to ——	—— to ——	—— to ——
—— to .50	1.00 to 2.00	Daisies	—— to ——	.60 to 1.00	.35 to .50
—— to .25	—— to ——	Ferns, hardy	—— to ——	—— to .15	—— to ——
—— to .20	—— to ——	Galax, green and bronze	—— to ——	—— to .12	—— to ——
—— to ——	—— to ——	Gardenias, per doz.	—— to ——	—— to ——	—— to ——
—— to ——	6.00 to 12.00	Gladiolus	—— to ——	3.00 to 10.00	—— to ——
—— to 12.50	6.00 to 10.00	Lilies, Harrisii and Longi	6.00 to 8.00	12.50 to 15.00	—— to ——
—— to 3.00	2.00 to 4.00	Lily of the Valley	1.00 to 3.00	3.00 to 4.00	—— to 4.00
—— to ——	—— to ——	Mignonette	—— to ——	3.00 to 6.00	—— to ——
—— to ——	50.00 to 75.00	Orchids—Cattleyas	30.00 to 40.00	—— to ——	—— to ——
—— to ——	—— to ——	Cypripedium	—— to ——	—— to ——	—— to ——
—— to ——	—— to .50	Pansies, per doz. bunches	—— to ——	1.00 to 1.50	—— to ——
1.00 to 6.00	4.00 to 8.00	Peonies	—— to ——	4.00 to 10.00	—— to ——
—— to 1.50	—— to 1.50	Smilax, (per doz. strings)	—— to ——	—— to 1.60	—— to 1.50
.25 to .50	.25 to 1.00	Sweet Peas	.35 to 1.00	.50 to 1.00	.35 to .50
—— to ——	—— to ——	Tulips	—— to ——	—— to ——	—— to ——
—— to ——	—— to ——		—— to ——	—— to ——	—— to ——
—— to ——	—— to ——		—— to ——	—— to ——	—— to ——

BOSTON, MASS.
SPECIALTIES
CATTLEYAS
GARDENIAS
AMERICAN BEAUTIES
LILY OF THE VALLEY
And all other seasonable flowers in quantity
WELCH BROS.
226 Devonshire Street.
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WHOLESALE CUT FLOWERS AND FLORIST SUPPLY HOUSE
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WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES
C. C. Pollworth Co.
Milwaukee, Wis.
Please mention the Exchange when writing.

WE beg to announce that on and after July 1st, 1910, the premises on the first floor of the Coogan Building will be under the management of A. Moltz & Company, who will sell, at wholesale only, all Flowers in Season in addition to Roses.
A. MOLTZ & COMPANY,
Wholesale Florists
A. MOLTZ — MAURICE L. GLASS
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WHOLESALE FLORISTS and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS
457 Milwaukee St., MILWAUKEE, WIS.
'Phone, Main 874. P. O. Box 103.
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WHOLESALE FLORIST
Successor to Gillett & Ohmer
131 East 3rd St. CINCINNATI, O.
All Cut Flowers in Season
I Sell Heller Bros. Roses
I Manufacture Wire Work
Illustrated Catalogue for the asking.
Get your order in now for
HANGING BASKETS
The Best—The Strongest—The Cheapest
Green Sheet Moss, $1.00 per Bundle
Sphagnum Moss, $1.00 per Bale
Please mention the Exchange when writing.

Boston

Business is, on the whole, rather better than it was during the past week, although it is not what it should be. For wet weather in June we have had nothing in several decades to equal the present month. There are some weddings but there is not the business from these there should be, no doubt owing to the rainy season.

Flowers from under glass are all in good condition. Many of the outdoor flowers have been spoiled quite a good deal by the continued rains. Peonies have suffered more than any and the last severe frost we had injured many of the buds, and many of them will not open.

There is quite a good demand for Sweet Peas and they seem to be the favorite flowers this year for college and school exercises.

William Sim of Cliftondale is cutting a splendid crop of Sweet Peas with extra long stems, from his new house. He has them in eleven different shades of color and is shipping 10,000 per day, which are sold readily. His Tomato crop is doing quite well considering the weather we have had. He is shipping now about 20 bushels daily. His early Corn is doing well, and was not injured by the June frost.

Mr. Johnson of Neilson & Johnson, Framingham, is making the first visit to his home in Denmark in 21 years. He will visit several other countries while in Europe and will be on the lookout for novelties.

Elijah A. Wood of Newton Highlands is going to have a sale of all his plants on June 29. This is one of the old establishments in this part of the country, and there is a fine stock of Palms, Ferns, Orchids, Chrysanthemums, and many other good things. Mr. Wood is not certain yet where he will locate. He has had some experience in the West and may locate there somewhere. We all hope he may continue near the Hub, where he is a general favorite with the boys.

Eber Holmes of the Montrose Greenhouses is quite busy planting and replanting some of his houses. Bride and Bridesmaid Roses are to be discontinued this season; in fact, most of the growers are doing the same thing. Killarneys, Richmond and all the leading varieties are being planted instead.

Charles Robinson of the Robinson firm is wearing a happy smile this week. It's a healthy, bouncing boy this time.

Sam Goddard of South Framingham sailed, on the Oceanic, on June 15 for an extended European trip. We all wish him a pleasant time. From his establishment there is being shipped a splendid lot of Gladiolus America, and his White Column Stocks are the finest we have seen in the market.

The Spanish Iris from Mann Brothers of Randolph that is seen in the market is of excellent quality, and there are no neater or cleaner looking flowers than these at the present time.

Robert Puffer, who has been 12 years with the Thomas Grey Co., and also many years with the Ames Implement Co., died on June 12. The funeral was on June 14 and was largely attended by seedsmen

Rose Plants

Maids, 3½-in. pots, $7.00 per 100
Brides, 3-in. pots, $6.00 "
Richmonds, 3-in. pots, $6.00 "

Prompt Delivery. Satisfaction Guaranteed.

Cattleyas
$6.00 per dozen
Special price in quantity—very choice flowers

Carnations
$2.00 per 100.
Fancy stock. They will give satisfaction.

Valley
Fancy .....$4.00 per 100
First ..... 3.00 "
Quality the best.

DAGGER FERNS.....$1.00 per 1000 | **Green & Bronze Galax** $7.50 per case

BUSINESS HOURS: 7 A. M. to 6 P. M.

THE LEO NIESSEN CO., 1209 Arch Street
Wholesale Florists PHILADELPHIA, PA.

Please mention the Exchange when writing.

Wholesale Prices of Cut Flowers

Prices quoted are by the hundred unless otherwise noted

Baltimore Jun. 20, 1910	Buffalo Jun. 20, 1910	NAMES AND VARIETIES	Phil'delphia Jun. 20, 1910	St. Louis Jun. 20, 1910
..... to	20.00 to 25.00	Roses—A. Beauty, fancy—special	20.00 to 25.00	10.00 to 15.00
..... to 20.00	12.00 to 15.00	" extra	15.00 to 20.00	10.00 to 12.50
12.50 to 15.00	7.00 to 10.00	" No. 1	10.00 to 15.00	8.00 to 4.00
6.00 to 10.00	2.00 to 4.00	" No. 2	6.00 to 10.00	..... to .....
4.00 to 6.00	3.00 to 8.00	Killarney	3.00 to 10.00	3.00 to 6.00
4.00 to 6.00	3.00 to 8.00	White Killarney	3.00 to 10.00	3.00 to 6.00
3.00 to 8.00	3.00 to 8.00	My Maryland	3.00 to 10.00	3.00 to 6.00
3.00 to 6.00	3.00 to 8.00	Richmond	3.00 to 12.00	..... to .....
2.00 to 5.00	3.00 to 6.00	Perle	3.00 to 8.00	..... to .....
2.00 to 6.00	..... to	Golden Gate	2.00 to 6.00	..... to .....
2.00 to 6.00	3.00 to 8.00	K. A. Victoria	3.00 to 10.00	..... to .....
..... to 6.00	6.00 to 8.00	Bride, Maid, fancy—special	..... to 10.00	..... to 5.00
..... to 5.00	4.00 to 6.00	" extra	4.00 to 6.00	..... to 2.00
..... to 4.00	3.00 to 4.00	" No. 1	3.00 to 4.00	..... to .....
2.00 to 3.00	2.00 to 3.00	" No. 2	2.00 to 3.00	..... to .....
..... to 1.00	..... to 1.00	Adiantum	1.00 to 1.50	..... to .....
25.00 to 50.00	15.00 to 30.00	Asparagus, Plumosus, bunches	35.00 to 50.00	..... to .....
25.00 to 50.00	15.00 to 20.00	" Sprengeri, bunches	25.00 to 50.00	..... to .....
..... to 2.00	..... to	Bouvardia	..... to	..... to .....
8.00 to 10.00	8.00 to 8.00	Callas	8.00 to 12.50	..... to .....
..... to 1.00	1.50 to 2.00	Carnations—Inferior grades, all colors	.75 to 1.00	..... to .....
1.50 to 2.00	1.50 to 2.00	Standard Varieties: White	1.50 to 2.00	2.00 to 2.50
1.50 to 2.00	1.50 to 2.00	Standard Varieties: Pink	1.50 to 2.00	1.50 to 2.00
1.60 to 2.00	1.50 to 2.00	Standard Varieties: Red	1.50 to 2.00	2.00 to 2.50
1.60 to 2.00	1.50 to 2.00	Standard Varieties: Yellow and var.	1.50 to 2.00	..... to .....
..... to	2.00 to 2.50	*Fancy (*The highest grades of Sta'd vars.): White	2.00 to 3.00	..... to 3.00
..... to	2.00 to 2.50	*Fancy: Pink	2.00 to 3.00	..... to 2.50
..... to	2.00 to 2.50	*Fancy: Red	2.00 to 3.00	..... to 3.00
..... to	2.00 to 2.50	*Fancy: Yellow and var.	2.00 to 3.00	..... to .....
..... to	..... to 1.00	Daisies	.75 to 1.50	..... to .....
..... to	..... to .15	Ferns, hardy	.10 to .25	..... to .....
..... to	..... to .15	Galax, green and bronze	.10 to .15	..... to .....
..... to 10.00	..... to	Gardenias, per doz.	.50 to 1.50	..... to .....
4.00 to 6.00	..... to	Gladiolus	6.00 to 12.50	..... to .....
12.50 to 15.00	8.00 to 12.00	Lilies, Harrisii and Longi	8.00 to 12.50	..... to .....
3.00 to 4.00	3.00 to 4.00	Lily of the Valley	2.00 to 5.00	3.00 to 4.00
..... to	1.00 to 2.00	Mignonette	1.00 to 2.00	..... to .....
..... to	..... to	Orchids—Cattleyas	40.00 to 50.00	..... to .....
..... to	..... to	Cypripediums	..... to	..... to .....
..... to	.30 to .50	Pansies, per doz. bunches	..... to	..... to .....
3.00 to 4.00	3.00 to 5.00	Peonies	3.00 to 8.00	..... to .....
..... to 2.00	..... to 1.50	Smilax, (per doz. strings)	1.50 to 3.00	1.25 to 1.50
.50 to .75	.50 to 1.00	Sweet Peas	.40 to 1.00	..... to .....
..... to	..... to	Tulips	..... to	..... to .....
..... to	..... to		..... to	..... to .....
..... to	..... to		..... to	..... to .....

ORDER NOW

WE ARE NOW SHIPPING ORDERS OF

BEGONIA LORRAINE—BEGONIA LONSDALE
BEGONIA AGATHA

Our stock is of the very highest quality, and we wish to impress upon our customers that all our Begonias have been **twice shifted.** Orders filled in rotation. 2½ inch pots, $15.00 per 100, $140.00 per 1000. 3 inch pots $25.00 per 100. 4 inch pots, $40.00 per 100, very heavy stock.

Special prices in lots of 5,000 to 10,000 plants.

ROBERT CRAIG CO., 4900 Market Street PHILADELPHIA, PA.

Please mention the Exchange when writing.

CARNATIONS

In making up the June and Early Summer Campaign, several of our growers planned to have a better grade of Carnations than other years. Never have we at this time of the year received such magnificent blooms. Almost Winter Quality, and in such quantities, enabling us to fill orders of any size.

Special .....$3.00 per 100
Fancy ..... 2.00 per 100
First ..... 1.00 per 100

Carnation Specials

Carnations in lots of 600 or more, good quality, our selection, $1.50 per 100.

PEONIES

Still have some choice Peonies to offer, mostly Whites and Pinks (the lighter shades), a few crimson too, $40.00 per thousand (1000).

RIBBONS

Some of our choicest novelties, exclusive patterns, an endless variety to choose from.

Supplies Of All Kinds

Catalogue on request

A price list of all cut flowers is issued every Saturday. If you are not on the list, let us have your name.

Open 7 a.m. to 5 p.m. Not open for business on Sundays.

Not responsible for flowers after delivery to the express company.

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The Wholesale Florists of PHILADELPHIA and WASHINGTON
1608 to 1620 Ludlow St. 1212 New York Ave.
Philadelphia, Pa. Washington, D. C.
Stores close at 6 p. m.

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Headquarters in Western New York

For Roses, Carnations,
And all kinds of Seasonable Flowers

WM. F. KASTING CO.
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Dealers in Florists' Supplies and Wire designs
383-87 Ellicott St., BUFFALO, N.Y.
Give us a trial—We can please you

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Wholesale Florist

Orchids, Valley, Sweet Peas, Beauties, Roses and Carnations.

Our usual quality (the best)

1526 Ranstead St., Philadelphia, Pa.

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and others in the trade. He was especially well posted in all kinds of farm and garden implements, and probably knew them better than any man in the city.

A. Leuthy of Roslindale sails for Europe on July 16, on the Lapland of the Red Star Line. He is to make a very long trip this time and is going to visit Germany, Holland, Switzerland, Denmark and Sweden, and probably Egypt and Morocco. Mr. Leuthy is an expert plant grower and his keen and trained eyes are always on the alert for new things. We have no doubt that on this extended trip he will bring back some new things of merit.

William McGillivray of West Roxbury is to start on a visit to his home in Scotland on August 1, and from there he is to visit England and Germany.

Miss Mary Florence Pettigrew, daughter of our much respected superintendent of Boston parks, was married, June 18, to George Wright Hinckley of New York. The wedding reception was held at Mr. Pettigrew's house in Franklin Park, and was largely attended by prominent Boston people.

Miss Lillie Mary Neil, daughter of Samuel Neil, the well-known Dorchester florist, is to be married on Wednesday, June 22, to William Thornton Decker of New Jersey.

William J. Bean, assistant curator of the Royal Botanic Gardens, Kew, England, arrived here on June 16. He is sent here by the English government to make an inspection of all botanic gardens, arboretums, nurseries and other large establishments in this country. Mr. Bean is well posted in all branches of horticulture and is the author of several books on this subject. We were much pleased to meet our old colleague and there are many other Kewites on this side of the water who will give him a warm welcome. We wish him much pleasure while he is in this country. We haven't met any officials from that world renowned institution since the late George Nicholson visited us several years ago.

Mrs. William Edgar of Waverley, it is pleasing to report, is doing nicely since her return from the Waltham Hospital, where she had been for an operation for appendicitis.

The R. & J. Farquhar Co.'s nursery at Dedham is worthy of a visit at this time. The tract of land, which is 50 acres in extent, is admirably suited for this purpose, it being perfectly level and the soil of excellent quality. Quite a number of small greenhouses for nursery work are to be built shortly, also a very large work room, and storage and packing sheds. The shipping facilities from this place are excellent, as the railway has a side track at one end of the land. There is a fine collection of herbaceous plants. The evergreens are looking especially well. Large plantations of Abies concolor and Picea pungens are especially fine.

Hugh Cody, who has been with Edgar Bros. of Waverley for some time, has resigned his position.

The friends of George Gordon of Beverley, Mass., extend to him their sincere sympathy in his very sad bereavement. His daughter, who was a graduate of Wellesley College, was drowned last week in Jamaica Pond. Mr. Gordon is a very quiet, unassuming man, liked by every person, and the death of this bright young lady under such sad circumstances touches the tenderest chords in our hearts and we cannot express in words the sorrow we feel.

"Coming events throw their shadows before them." The genial, kind and obliging manager of the market at 1 Park st., who is unmarried, has had several visits from furniture men lately, and the salesmen at the market are surmising that something serious is to take place soon. The young lady who will get Mr. Thurston will be mighty lucky, as there is no brighter and more obliging man connected with the trade than he is.

The Milton Education Society and Home Garden Society had an exhibition of flowers and small fruits, on June 18, at the High School, Milton. There was a fine display of hardy perennials, and outdoor Roses were also well shown. The judges were John K. M. L. Farquhar and William N. Craig of North Easton.

The Rose show of the Melrose Horti-

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We supply everything the FLORIST Uses.

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Send us your orders for delivery in the Northwest, which will have our best attention.

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51 WABASH AVE., CHICAGO, ILL.

Headquarters for American Beauty Rose

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Wholesale Prices of Cut Flowers, Chicago, June 21, 1910

Prices quoted are by the hundred unless otherwise noted

ROSES—American Beauty	
36-inch stems..per doz.	.... to 3.00
30-inch stems.. "	... to 2.50
24-inch stems.. "	.... to 2.00
20-inch stems.. "	.... to 1.50
18-inch stems.. "	.... to 1.25
12-inch stems.. "	.... to 1.00
8-in. stems and shorts "	.... to .75
Killarney	4.00 to 6.00
" extra	.... to 8.00
White Killarney	.... to 8.00
Richmond	4.00 to 6.00
My Maryland	5.00 to 8.00
Bride, Maid, fancy special	4.00 to 6.00
" extra	4.00 to 5.00
" No. 1	.... to 2.00
" No. 2	.... to 1.50
Perle	4.00 to 5.00
Chatenay	3.00 to 5.00
Kaiserin	3.00 to 5.00
Uncle John	.... to 6.00
Mrs. Marshall Field	.... to 6.00
Adiantum	.... to 1.00
Asparagus, bunch	.35 to .75
" Sprengeri	.35 to .75
Calla Lily	8.00 to 10.00
Chrysanthemums, doz.	.... to ....
" fancy doz.	.... to ....
Corn Flowers	.75 to 1.00
Daisies	.... to .25

CARNATIONS	
Standard Varieties: White	1.00 to 1.50
Pink	1.00 to 1.50
Red	1.00 to 1.50
Yel. and Var.	.... to ....
Fancy (The highest grades of Std'd varieties): White	1.50 to 2.00
Pink	1.50 to 2.00
Red	1.50 to 2.00
Yel. and Var.	.... to ....
Ferns, hardy, per 1000	.... to 3.00
Galax (green)	.... to 1.00
" (bronze)	.... to 1.00
Gardenias	20.00 to 30.00
Lilies, Harrisii and Longi.	8.00 to 10.00
Lily of the Valley	3.00 to 4.00
Mignonette	2.00 to 4.00
Narcissus—Paper White	.... to ....
Orchids—Cattleyas	50.00 to 60.00
" Cypripediums	15.00 to 20.00
Pansies	.25 to .40
Peonies	1.00 to 2.50
Smilax	12.00 to 15.00
Sweet Peas	.50 to 1.50
.....	.... to ....
Violets, single	.... to ....
" double	.... to ....
.....	.... to ....
.....	.... to ....
.....	.... to ....
.....	.... to ....
.....	.... to ....

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Wholesale Florists

Store, 2799 Lick Place SAN FRANCISCO — Greenhouses MELROSE, CAL.

Headquarters for Japanese Plants and Bulbs, Choice Roses, Carnations, Chrysanthemums, Lily of the Valley and all Seasonable Flowers.

Palms, Ferns and Decorative Plants a Specialty.

We respectfully solicit your patronage.

Please mention the Exchange when writing.

cultural Society took place at Hawthorne Hall, Melrose, on Saturday and Sunday, June 18-19. There was a fine exhibition of outdoor plants. The most interesting part of the exhibition was the exhibit of the flowers of the school children, which were grown under the direction of the women members of the Society. The exhibition was well attended, especially on Sunday.

Maurice Fuld, manager of W. W. Rawson & Co., has been away for two weeks on a business trip and returned on Monday of this week. He visited the following places and several others: New York, Philadelphia, Baltimore, Washington, West Virginia towns, Chicago. He has returned feeling that he has had a very pleasant time, and as a business trip it was very successful. R. C.

Philadelphia

At the next meeting of the Florists' Club of Philadelphia, on Tuesday evening, July 5, W. A. Manda of South Orange, N. J., will be the essayist. His subject will be: "Should We Consider our Calling a Trade or a Profession?"

The Waretown, N. J., Rod and Gun Club will celebrate its annual opening on Friday, June 24, under the auspices of John Westcott.

Edward Reid, and John McIntyre, wholesalers, furnished Wadley & Smythe, of New York, with Dorothy Perkins Roses for the Alexander-Roosevelt wedding.

The S. S. Pennock-Meehan Co. is receiving some exceptionally good Carnations.

A. M. Campbell is cutting, at his own greenhouses at Collingdale, some good Kaiserin Roses, which are selling at his Sansom st. store, readily, at good prices.

Charles James Fox, the Broad st. florist, is still confined to the hospital. The typhoid fever has left him, and he is improving, and it is expected that he will be able to leave the hospital within ten days.

A. B. Cartledge, of Pennock Bros., is taking week or two trips on his boat, Marguerite II.

W. E. McKissick, of W. E. McKissick & Bros., recently enjoyed a few days at the shore.

Novelties which will be offered to the Fall trade are arriving on the several steamers for H. Bayersdorfer & Co., 1129 Arch st. Mr. Bayersdorfer is still busy making selections in Europe.

J. Josephs, the City Hall florist, is going to Europe for a nine weeks' trip.

Paul C. Lindley of the J. Van Lindley Nursery Co., Pomona, N. C., was recently in town. Mr. Lindley reports that his company is giving much attention to its Peach orchards, and is obtaining large returns.

Jacob Becker will remove his greenhouses in July, from 4900 Chestnut st. to 5210-5222 Ludlow st., having sold the land on which the houses now stand.

Robert Craig Co., 4900 Market st., is shipping Ficus pandurata to Chicago, Begonia Lorraine to Canada, St. Louis and Dayton, and Crotons to California. This manifestly is the result of systematic, constant advertising.

Conrad Hess, Baltimore, Md., was recently in town.

Notwithstanding the advent of warm weather, Pennock Bros., 1514 Chestnut st., have this week a very attractive store window. In the center is a basket of mixed blooms, such as Japanese Iris, Lilium auratum, Gaillardias, etc. To the left of this is a large bowl of gigantic white Water Lilies. The rest of the window is filled with choice specimens of Cibotium Schiedei, Adiantum Farleyense, Crotons, Marantas, and Allocasia Sanderiana. This firm reports considerable funeral and wedding work, and a good general business for the season.

Chicago

Among the Western delegates who left Chicago on Sunday night to attend the seedsmen's convention at Atlantic City were: S. F. Leonard, Ed. Leonard and wife, and Leonard H. Vaughan of Chicago; Kirby B. White of Detroit, Mich.; J. C. Robinson, and Henry G. Windheim, Nebraska Seed Co., Omaha, Neb.

The first shipment of Freesia bulbs arrived at Vaughan's Seed Store this week. This store reports a remarkable business for June, with many orders still arriving for both sweet and field Corn.

Considering the continued hot weather, business cannot be complained of, and the best of stock in all lines finds a market, although prices are not, in every case, such as can be quoted. In the case of shipping orders prices remain about the same as in the past two weeks, and while such orders are not very voluminous there is enough to clean up the best grades of flowers, both in Roses and Carnations, as the bulk of stock lately has been in such a soft condition that it would hardly stand shipping any distance. The prospects for the coming week are encouraging, as the majority of the schools are closing throughout the small cities in this section and the call for Roses will probably be good. There has seemed to be no call for Peonies in any of the school proceedings this season. Whether this is due to the poor quality of the flowers, or that the people are tiring of them is a conjecture. At any rate, in the past two seasons the demand for Peonies has not been so great as heretofore. At the present time everyone is complaining that it is impossible to get rid of them at any price, and the consequence is that they are being rushed to cold storage. What the result will be, with the soft condition of the flowers this season, when they are removed from cold storage is a question.

A. E. Hunt, of Evanston, returned to Chicago this week, having been absent in the West for some time. Mr. Hunt has purchased a tract of land near Seattle, Wash., with the intention of erecting a range of greenhouses on same in the near future.

A. Lange says this is the busiest June, for weddings, he has ever experienced. On June 15 he had eight wedding orders to get out. On Monday a large wedding at the Metropole Hotel demanded several of the staff's time. A second auto delivery wagon has been completed for Mr. Lange by the Studebaker Co.

J. G. Bacher, manager of the Swiss Floral Co., Portland, Ore., was a visitor in Chicago for a few days, on his way to Switzerland, where he expects to spend the Summer.

Vacation season is at hand among the wholesalers and many of the employees are already absent, enjoying a rest after the strenuous time of the past season. Geo. Heidenrich, with Bassett & Washburn, is taking a two weeks' vacation, which he will combine with a honeymoon, leading to the altar, on June 26, Miss Elfrida Prillwitz of St. Anne, Ill. Joe Einwick, shipping clerk for the same firm, will act as best man.

Wm. Breitmeyer of Detroit, Mich., is now employed in the cut flower department of the E. F. Winterson Co.

Hoerber Brothers of Des Plaines, Ill., have at last succeeded in striking water, at a depth of nearly one thousand feet, the flow being seventy gallons a minute. As this flow is not nearly enough for their supply they will continue to drill until they can secure a sufficient quantity. The supply of water has been a very serious matter with them since they built their first houses.

Charles McKellar and party made a trip in their auto to Lake Villa, Ill., and return, on Sunday.

Ernest Farley is spending his vacation with his people at Indianapolis, Ind., expecting to be back with Chas. McKellar on July 5.

Tim Matchen says stock is certainly coming in, 44 boxes being received at Peter Reinberg's on Monday morning, first shipment, with the same amount in the afternoon. While the prices obtained were nothing to speak of they were able to clean up stock.

George Reinberg is still cutting some good Orchids, Cattleya gigas coming in just now in fine shape.

What was a pleasant surprise last Saturday to the many friends of Allie Zech, was to see him once more at his old place at Zech & Mann's wholesale house.

Michael Fink, of Kennicott Brothers, is the proud father of a bouncing boy which arrived last week.

The A. L. Randall Co. says that notwithstanding the quantities of Carnations in the market at the present time, the demand for fancy grades holds well, at fair prices.

Adam Heim, of the Self-tying Rose Stake Co., Connersville, Ind., spent the early part of the week in town.

Mrs. Wm. Cooner has opened a new retail store at 1005 Irving Park blvd.

A miniature pond, with Water Lilies and live ducklings is a drawing card in a window decoration at J. Mangel's.

W. J. Smyth has had many of the large wedding decorations of the past few weeks.

Mrs. Stewart is absent from the Bohannon Floral Co.'s store this week, owing to the illness of Mr. Stewart.

Rose Kelly, mother of the late Larry Kelly, who was well known among the wholesalers, died last week.

Some exceptionally fine spikes of Delphiniums, in several varieties, were noticed at E. H. Hunt's this week.

Visitors: Ed. Curtis, Mason City Ia.; L. A. Coles, Kokomo, Ind.; Mr Dole, Dole Floral Co., Beatrice, Neb. W. Smith, Phœnix Nursery Co., Delavan Wis.; F. L. Tornquist, Benton Harbor Mich.; J. Lambert, Sabula, Ia.

Readers will confer a favor upon us o more than passing value if, when order ing stock of our advertisers, they wi mention seeing the advt. in the Exchang

ALTERNANTHERAS, Red and Yellow, $2.50 per 100, $20.00 per 1000.
ECHEVERIAS, $2.00, $3.00 and $1.00 per 100.
JOHN ALBRECHT
PENCOYD (Near Philadelphia) MONTGOMERY CO., PA.
Please mention the Exchange when writing.

First Class Stock to Close Out Surplus

			Per 100
400	Vinca Variegata	2¼-inch	$2.00
600	" "	3 "	3.25
175	English Ivy	3 "	3.25
150	Achyranthes (red)	2½ and 3 "	2.75
000	Coleus, Golden Bedder	2¼ "	2.00
750	" Fire Brand	2¼ "	1.75
250	" Verschaffeltii	2¼ "	2.00
200	" Assorted	2¼ "	1.50
250	Verbenas, Assorted	2¼ "	1.50
600	Ageratum, Dwarf White and P. Pauline	2¼ "	1.50
150	Purple Heliotrope	3 "	3.00

Cash please.
R. I. HART, Hackettstown, N. J.
Please mention the Exchange when writing.

A Few Good Things You Want

ROSES, Bride, Bridesmaid and Golden Gate, 3-in., $5.00 per 100.
DRACÆNA Indivisa, 4-in., $10.00 per 100.
BEGONIA Rex, 3-in., $6.00 per 100.
ASPARAGUS plumosus, 2-in., $3.00 per 100; 3-in., $6.00 per 100. Cut sprays, 25c. per bunch.
GERANIUMS, Nutt, Perkins, Grant, La Favorite, R. C., $1.25 per 100; Pot plants, 2-in., $2.00; 3-in., $4.00 per 100. Castellane, Viaud, Jaulin, Ricard, Buchner, Poitevine, R. C., $1.50 per 100; pot plants, 2-in., $2.50; 3-in., $5.00 per 100.
FERNS, Whitmani, 4-in., 25c. each.
COLEUS, ALTERNANTHERAS, red and Yellow, VERBENAS, HELIOTROPE, CIGAR PLANT, SALVIA (Scarlet Sage), Zurich (always in bloom), VINCA Variegata, 2-in., stock of these, $3.00 per 100.
Cash with order, no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.
GEO. M. EMMANS, NEWTON, N. J.
Please mention the Exchange when writing.

Bedding Plants
GERANIUMS
S. A. Nutt, Beaute Poitevine, and A. Ricard, 3½-in., $5.00 per 100.
HELIOTROPE and ROSE GERANIUMS, 4-in., $8.00 per 100.
VINCA Variegata, 4-in., $10.00 per 100.
FUCHSIAS, 4-in., $7.00 per 100.
Mme. Salleroi Geraniums, 3-in., $4.00 per 100.
COLEUS, Verschaffeltii, $15.00 per 1000.
CANNAS, Souv. de Ant. Crozy and Duke of Marlborough, 4-in., $6.00 per 100.
Zinnias, Ageratum, Sweet Alyssum, Heliotrope, Begonia Vernon, 2¼-in., $2.00 per 100.
SEA CLIFF NURSERIES, Sea Cliff, N. Y.
Please mention the Exchange when writing.

Last Call for Bedding Plants

		100
CUPHEA, 2¼-in. pots		$2.00
GERANIUMS, Mixed, 3-in. pots		3.00
CANNAS, Austria and Henderson, 3-in. pots		3.00
CHRYSANTHEMUMS, Lulu, Klondike, Bailey, Yellow Eaton, Ivory, White Eaton, 2¼-in. pots		2.00

Vegetable Plants
CABBAGE, Wakefield, Danish and Surehead. Per 100 25c., 1000 $2.00.
J. S. BLOOM, Riegelsville, Pa.
Please mention the Exchange when writing.

The book of WATER GARDENING
By Peter Bisset. Price, postpaid, $2.50
A. T. DE LA MARE PTG. & PUB. CO., LTD
2 to 8 Duane Street, New York.

Cincinnati

Good old Summer time has finally arrived and, with it, a temperature ranging from 90° in the shade to 104° in the sun.

Flowers of all kind are popping open, shipments that come in fine order are wide open by the next morning, if not all sold, consequently the best customer we have now is the "ash barrel." Tourists are beginning to leave the city, weddings are nearly finished, consequently we can make our arrangements to go fishing before many days.

Mrs. Anna Garges and daughter, of Central ave., have moved to their Summer home on College Hill; Mrs. Garges has erected a very handsome St. Louis flat; she is one of the progressive lady florists of this city.

Trade in general is very quiet with the exception of funeral work and a few straggling weddings. Our park department has been handicapped by the veto of the park bond issue by the Governor, consequently park work laid out for this Summer will have to go undone, as the department has not the money to push it forward, much to the regret of the better class of citizens of Cincinnati.

The Business Men's Club of Hyde Park is offering prizes to those citizens who keep their lawns in the best condition; a committee has been appointed to view these lawns three times during the season, and to award the prizes in the Fall. The committee is composed of Mr. Salway, superintendent of Spring Grove Cemetery, Benjamin George and E. G. Gillett.

The annual outing of the Cincinnati Florists' Society was discussed at its last meeting, and it was practically decided that the next outing would be held at Woodsdale Island, the place where the best picnics we have ever had have been held.

The annual election of officers will take place at the next meeting, which will be held at the residence of Gus. Adrian of Clifton.

Miss White of Lexington was a caller on the 18th; she had been to Lockland to purchase lumber for another greenhouse, and reports business very good in Lexington.

The landscape work of the Fall Festival Association or Exposition, which is to be held here in Cincinnati this Fall, is in charge of B. P. Critchell, former park superintendent. The banks of the canal are to be used for this exposition, and, when completed, the designing will be most artistic and beautiful. This exposition will draw thousands of people to Cincinnati from all points North, South, East and West, and while it will cost the business men a large sum of money, they will reap their reward in the near future.

Music Hall, where the meeting of the trade exhibits were held last year, will also be used for this exposition; they will occupy the entire building where we only used one hall.

Miss Alma Sterling, the young lady who presided at the organ during the S. A. F. meeting in 1909 will be married June 29 to John Findlay.

Myer Heller of Heller Bros., the Rose growers of New Castle, Ind., was a caller on June 20. Chas. Weltz of Wilmington, O., was a caller on the 17th.

E. G. GILLETT.

The oldest person in Cincinnati recently died in his 108th year. Gottlieb Graul, who had been for long years florist and chief gardener of the Longworth estate. He was a close friend of Nicholas Longworth of Newark, N. J., grandfather of the present Congressman, who married Miss Alice Roosevelt, who persuaded him to remove to Ohio. Not until five years ago did Graul retire from service.

GRAND RAPIDS, MICH.—N. B. Stover, who has been superintendent of the floral department of the Grand Rapids Greenhouse Co., has resigned his position to engage in business on his own account.

GERANIUMS
Fine Stock. In Bud and Bloom.
500 B. Poitevine, 300 Doyle, 4-in., 300 Nutt, 3½-in., 6c. each; 1000 S. A. Nutt, out of sand, ready for 3-in., $16.00 for the lot.
150 SALVIA Zurich, 4-in., 6c.; 200 PETUNIA, double white, 3-in., 4c., nice blooms; 200 Kathleen Mallard LOBELIA, double, 2½-in., 3c.; 100 Dwarf French MARIGOLD, 3-in., 3c.; 100 VERBENAS, assorted colors, 3-in., 3c.; 200 COLEUS, well colored, 3-in., 3c.; 100 ABUTILON or SILVER MAPLE, 3 and 4 in., 10c. each.
Later will have 4000 Bride and Bridesmaid ROSES, 3½-in., in fine condition; stock grown for own use.
Cash please with order.
LLEWELLYN, Florist, Olean, N. Y.
Please mention the Exchange when writing.

Geraniums
400 Beaute Poitevine. Strong, bushy plants, in bud and bloom, 3½-in. pots, $5.00 per 100. Cash with order please.
John R. Mitchell, MADISON N. J.
Please mention the Exchange when writing.

Geraniums
Nice, stocky, 3-in. stock, of the following varieties: Nutt, Ricard, Grant and Doyle, $3.50 per 100, $30.00 per 1000.
F. SCHELL & CO., Florists' LANCASTER, PA.
Please mention the Exchange when writing.

GERANIUMS
3000, 2-in. pots, S. A. Nutt, Buchner, Ricard, Viaud, Doyle and Grant, at $2.00 per 100, $18.00 per 1000; also 3-in. of the following, S. A. Nutt, Buchner, Doyle, Grant, and Ricard, at $4.00 per 100, $35.00 per 1000.
Cash with order.
FRED. W. RITCHY
Cor. First and Ruby Sts., LANCASTER, PA.
Please mention the Exchange when writing.

GERANIUMS Rooted Cuttings, in the Florist's best set, at $10.00 per 1000. Ricard, Nutt, Poitevine, Buchner, Grant, Bertha de Presilly, Richmond, Beauty, Castellane, Perkins, E. G. Hill, Decorator and Mrs. Lawrence.
B. E. WADSWORTH, Box 224, Danville, Ill.
Please mention the Exchange when writing.

SEASONABLE PLANTS
DRACÆNA Indivisa, 4-in., $10.00 per 100.
CANNAS, Pennsylvania, $1.50; A. Bouvier, $1.60; Austria, $1.25; Italia, $1.75; B. Beauty, $2.50; Egandale, $1.60; Marlborough, $2.00; America, $1.25; D. Harum, $2.00 per 100.
HYDRANGEA Paniculata grandiflora, 2 to 3 ft., $10.00; 18 in. to 24 in., $6.00 per 100.
PRIMULA Obconica, 2-in., $1.50 per 100; 3-in., $4.00 per 100; 4-in., $6.00 per 100.
GERANIUM, Ricard, 2-in., $2.00 per 100.
ASPARAGUS Sprengeri, 2-in., $2.00 per 100
Plumosus, 2-in., $2.00 per 100.
ENGLISH IVY, R. C., 75c. per 100; var. R. C., 75c. per 100.
FERNS, Scottii, 6-in., $20.00 per 100; 6-in., $35.00 per 100.
J. H. DANN & SON
Westfield, N. Y.
Please mention the Exchange when writing.

Seasonable Plants
ASPARAGUS Sprengeri, 3-in. pots, $4.00 per 100.
GERANIUMS, assorted, 3½-in. pots, $6.00 per 100.
CABBAGE PLANTS, field grown, Jersey Wakefield, Winnigstadt, Early Summer, Fottler, All Seasons, Succession, Volga, Savoy, Flat Dutch, Danish Ballhead, Autumn King, Mann, Rock Red, 20c. per 100, $1.50 per 1000.
EGG PLANTS, Black Beauty, strong, from pots, $3.00 per 100.
TOMATO PLANTS, from cold frame, $4.00 per 1000.
Cash with order.
S. G. BENJAMIN, Fishkill, N. Y.
Please mention the Exchange when writing.

SEASONABLE PLANTS

		Per 100
500	S. A. Nutt GERANIUMS, 3½-in.	6.50
600	John Doyle GERANIUMS, 3½-in.	6.50
1000	SALVIAS, 3½-in.	6.00
300	FUCHSIAS, 3½-in.	6.50
5000	J. Nonin CHRYSANTHEMUMS, 2-in., $15.00 per 1000.	

QUIDNICK GREENHOUSES
J. H. Cushing, Prop., Quidnick, (Anthony P. O.) R. I.
Please mention the Exchange when writing.

GERANIUMS
Rooted Cuttings.
Ricard, Poitevine, S. A. Nutt. Orders booked for delivery on or before Oct. 15 at $10.00 per 1000.
SMILAX and SPRENGERI
Let me send you a sample, Smilax are extra fine stock, Sprengeri good but not large. Smilax, $12.50 per 1000, Sprengeri, $15.00 per 1000.
HARDY PHLOX
Rooted cuttings in good assortment, mixed, at $1.25 per 100, free by mail, ready now.
GERMAN IRIS
Good assortment in mixture, ready in August at $2.00 per 100.
ALBERT M. HERR
LANCASTER, PA.
Please mention the Exchange when writing.

Geraniums
3-in. stock, in bud and bloom. Nutt, Ricard, Poitevine, Castellane, Doyle, Buchner, $3.00 per 100; $30.00 per 1000; 2-in. stock of the above (except Castellane) and other standards, $16.00 per 1000, $1.75 per 100. R. C. Nutt, $10.00 per 1000.
Cash, please.
RUDOLF NAGEL, LANCASTER PA.
Please mention the Exchange when writing.

Geraniums
MME. SALLERGI, 4-in., strong. These will, if planted out, make you money for stock for next Spring, 4c. each.
Cash.
H. E. Le PAGE, Stamford, Conn.
Please mention the Exchange when writing.

GERANIUMS
Ricard, Poitevine, S. A. Nutt and Viaud, 2-in., $2.00 per 100, $16.00 per 1000.
Rooted Cuttings: Ricard, S. A. Nutt, Poitevine and Buchner, fine stock, $10.00 per 1000.
Cash with order.
PETER BROWN, 124 RUBY STREET Lancaster, Pa.
Please mention the Exchange when writing.

SEASONABLE PLANTS
JERUSALEM CHERRIES, 2-in., $1.50 per 100.
COLEUS, 2-in., $1.50 per 100.
DUSTY MILLER, 2-in., $1.50 per 100.
FEVERFEW, 2-in., $1.50 per 100.
CUPHEA, 2-in., $1.50 per 100.
Rooted Cuttings, prepaid per 100: Cuphea, 75c.; Coleus, 10 kinds, 60c.; Alternanthera, Rosea, P. Major, 50c. per 100, $4.00 per 1000; Ageratum, 3 kinds, 60c.; Stevia, 75c.; Dbl. Petunias, 10 kinds, $1.00.
HELIOTROPE, 2-in., $1.50 per 100.
MAURANDYA and THUNBERGIA, 2-in., $1.50 per 100.
ZINNIA, Fireball, 2-in., $1.25 per 100.
MARIGOLD, El Dorado, 2-in., $1.25 per 100.
Cash with order.
BYER BROS., Chambersburg, Pa.
Please mention the Exchange when writing.

Seasonable Plants
SMILAX, from 2¼-in., $2.00 per 100, $18.00 per 1000.
ASPARAGUS plumosus nanus, 3-in., $6.00 per 100.
CHRYSANTHEMUM, Polly Rose, 2¼-in., $2.00 per 100. Cash with order.
C. A. PETERSON, Madison, N. J.
Please mention the Exchange when writing.

DELPHINIUM BELLADONNA
Everblooming Hardy Larkspur, strong, 2-in. pots, $3.50 per 100.
SALVIA Patens, strong, 2¼-in. pots, $3.00 per 100.
Cash with order, please.
A. HIRSCHLEBER, florist, Riverside, N. J.
Please mention the Exchange when writing.

A RECORD TO BE PROUD OF
The Florists' Hail Association has paid 1,450 losses amounting to a total of $164,000.00
For full particulars address
JOHN G. ESLER, Saddle River, N. J.
Please mention the Exchange when writing.

For "POT LUCK" Try Us

Hews Standard Pots

POT MAKERS FOR 140 YEARS

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A. H. HEWS & CO. Inc.

WORLD'S LARGEST MANUFACTURERS

LONG ISLAND CITY, N. Y. Pearson Street.

CAMBRIDGE, MASS. Established 1765.

Please mention the Exchange when writing.

STANDARD FLOWER POTS Packed in small crates easy to handle

	Price per crate		Price per crate	HAND MADE	Price per crate
1500 2-in. pots in crate	$4.88	458 4½-in. pots in crate	$5.24	48 9 in. pots in crate	$3.60
1500 2¼ " "	6.25	320 5 " "	4 51	48 10 " "	4 80
1500 2½ " "	6 00	210 6½ " "	3.78	24 11 " "	3.60
1000 3 " "	5 00	144 6 " "	3.16	24 12 " "	4.80
800 3½ " "	5.80	120 7 " "	4 20	12 14 " "	4.80
600 4 " "	4.50	60 8 " "	3 00	6 16 " "	4.50

Seed pans same price as pots. Send for price list. Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Please remit by Money Order or New York Draft

HILFINGER BROS., Pottery, - - FORT EDWARD, N. Y.

AUGUST ROLKER & SONS, Agts, 31 Barclay St., New York City

Please mention the Exchange when writing.

Red Standard Pots

Look ahead and see where you can get the **best Pot for your money** you are going to spend this Fall to stock your greenhouses.

Think of us.

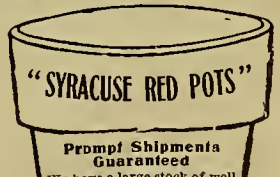
Write us.

Try us.

THE KELLER POTTERY CO.

213-223 Pearl St., NORRISTOWN, PA.

Please mention the Exchange when writing.



Prompt Shipments Guaranteed

We have a large stock of well made and well burned pots on hand for the Trade of 1910. Our terms are as good as the best. Our catalogue for 1910 on application

Syracuse Pottery Co.

Syracuse, N. Y.

Please mention the Exchange when writing.

All the Clay

for our

Florists' Red Pots

is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We can ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.

THE PETERS & REED POTTERY CO.

ZANESVILLE, OHIO

Please mention the Exchange when writing.

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Please mention the Exchange when writing.

The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog, and details; to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.

3124 West Lake Street

CHICAGO, ILL.

Please mention the Exchange when writing.

Rochester, N. Y.

With the warm weather has come a period of dull business, and large quantities of all kinds of stock are in evidence, with no outlook for a speedy movement. People are hurrying to the various resorts; and, from the experience of the past week, the usual Summer inactivity has started in earnest.

Roses and Carnations are the principal articles too much in evidence, the over supply due to the extremely warm weather. The former arrive too far open and cannot be held; and the latter do not keep.

Bedding business has fallen off entirely and all growers are practically cleaned up, only a few odds and ends still remaining; but there is no demand for any quantity of this stock.

Chas. H. Vick has left for Atlantic City to attend the seedsmen's convention. The farm and trial grounds of James Vick's Sons are in excellent condition. The farm is situated in South Greece, about 45 minutes ride by trolley from the center of the city. It is altogether too early in the season to give a description of the trials in progress. Many acres are devoted to the growing of Asters for seed. The planting is done by a planting machine, which is considered a very satisfactory way, a man and two boys doing the work, each plant being automatically watered as they go along.

Mr. Barker, editor of the American Florist, was a visitor last week looking over the ground, and was highly pleased with all he saw. H. B. STRINGER.

Syracuse, N. Y.

At last the cold wet spell has broken. The rainfall for the month of May was 2 inches above the average. Now, everyone is kicking about the heat—it certainly is warm, you can call it hot truthfully. In spite of unfavorable weather the sale of bedding plants is far in excess of other years, and I do not recall having seen the greenhouses so well cleaned out. Of course, there is some stock that failed to flower in time left, but it is comparatively small.

The increase in the number of porch and window boxes filled has been immense, and the call for Vincas was so large that the home stock was soon exhausted; Utica, Rochester and other places were called upon to help out. Taken altogether, the bedding season of 1910 will be put down as a record-breaker.

From present indications I believe every florist here will attend the convention at Rochester.

H. Lee has given up his store on South Salina st., leased his greenhouses at Cazenovia, and is enjoying the simple life, his wife coming into the possession of a beautiful farm upon the death of her father.

The Rev. D. E. Mills, a retired Methodist minister, and an enthusiastic Rose grower, has undertaken to hold a Rose show here on June 20 and 21. He has secured some very handsome prizes, and it ought to be a success. Your scribe has taken off his coat, and waded in to do what he can to help, for he feels keenly the want of a good society here, that should have taken the matter up years ago, but he hopes and believes the seed being sown now will produce good fruit next year, and that Peonies and Strawberries will be added to the premium list. Then, a small admission fee might be charged, which would pay all expensese.

Last year I mentioned the fact that our Chamber of Commerce had offered prizes for the best kept lawns among the small householders. The idea was such a pronounced success, that this year they have more than doubled the premiums, firmly believing that this is work that all societies should take up, discuss, and see carried out in every town and city. I submit the full prize list: The first prize in each class, $20; second $10; and seven prizes of $5.00 each. Class A, includes houses assessed at $800, or less; class B, $800 to $1200; class C, $1200 to $2000. The competition began June 1, and the entry list numbered 50. The judges are all first-class men, headed by Prof. James A. Shea, principal of Lincoln School, who has done Herculian work in this direction. The places are visited once a month until October 1.

Judging from the weather conditions we have experienced this year, it would not surprise me if we had some wonderful changes before we get through the Summer. I am not a pessimist, but would urge all who do not carry hail insurance to lose no time in getting some. A few years ago I urged a new beginner to take out some insurance. He met my argument with "What's the use, we ain't in the hail belt." "Never mind," I replied, "take care it does not give you a belt." Within a month he got it to the tune of a $500 loss that nearly crippled him. Old men must be excused, sometimes, for having peculiar notions.

Outdoor flowers are plentiful and are much used for society functions. The florists anticipate a large call next week, as the dedication of the $20,000 Soldiers and Sailor's Monument takes place, and many notable people will be entertained. H. Y.

Washington, D. C.

After incessant and heavy rains since the beginning of June, hot weather set in on the 19th in earnest. All stock is impaired by the dark weather and Roses are showing cosiderable mildew.

The stores about town during the past week dressed their respective display windows in pink effect with Carnations and Roses. The commencement season is pretty well over and the store man will soon find time to make necessary changes and visit the grower. Ferns and Palms are now beginning to complete the Summer effect about the retail places.

The Florists' Club bowling team has tickets and posters out for their annual excursion to Chesapeake Beach on June 28.

Z. D. Blackistone has bought the store in which he has so long been located, at 14th and H sts., N. W., and will remodel into two modern uptodate stores.

John Robertson reports business in his new location, 2010 P st., as very good. JAS. L. CARBERRY.

N. ABINGTON, MASS.—Wm. H. Records, foreman for the Bay State Nursery Co., was married, recently, to Miss Rosalie Hastings, at Berlin, Md.

Baltimore

The Market

At last the rainy spell has slackened and clear weather is with us, with the mercury up to 93°. If it were not for the heavy rains outside crops would be ruined by the intense heat. The growers who were compelled to work inside certainly suffered. Stock is still heavy and no flowers are over plentiful. The outside blooms are a little backward, due to the heavy rains, and it will be several days before they will be in shape. Inside stock is coming in fairly well and moves slowly. Roses are slackening up, as are Carnations; stock is fair. Sweet Peas are holding their own with a fairly goo demand Callas are almost done for. Lilium candidum is a glut, stock is very poor, due to the rains; our farmers are hauling them in by the wagon loads but find poor sales, offering them as low as 10c. a doz. Pot plants move slowly and are offered at extremely low prices, and many growers are stuck, and will see the dump. Greens are not overplentiful but find ready sales.

Notes

A. J. Hilscher, successor to John Schunke, E. North ave., is cutting Early Wonder pink and white Asters inside, and making his benches ready for Chrysanthemums.

Fred Reitz, Woodlawn, Md., has purchased a greenhouse, 20x100 ft., from Hanson Bros., who for about ten years grew vegetables in it.

Miss Fredia Reitz, who has been confined at home for the past four weeks, is having a serious time with a bone felon on one of her thumbs, and she is missed in the market. On the market days many inquiries are made, as she is an energetic young lady and disposes of a large amount of stock. Mrs. Reitz has taken her place for the present.

Mr. and Mrs. M. S. Griffith are attending the seedsmen's convention at Atlantic City this week.

Greenhouse building this year has almost come to a standstill.

Michael Jenkins has one of the U-Bar houses. It is uptodate, is nearly all steel and concrete and is worth a trip to see it. John Wolf is gardener, and is well known by the trade.

George Personette, Gay st., is showing a window of decorative plants, and handles a considerable amount of funeral work.

To George Tarbert, who is employed by the city, and has been booking and doing the planting of the parks and squares, is due considerable credit, as his work is showing up to perfection.

The beds of the Cathedral churchyards were planted this week and look beautiful. The plants are grown at the Cathedray Cemetery in hotbeds, which seems could hardly be the case when looking at the large healthy plants.

Worcester, Mass.

Business is good and the local florists find themselves busy making up commencement bouquets as well as filling wedding orders. Roses are plentiful and are in much demand for commencement bouquets.

The change in the weather has been beneficial to both indoor and outdoor plants and flowers and all are doing nicely. Peonies are especially plentiful this year. They were a special feature of the exhibit of the Worcester Co. Hort. Society last Thursday. Arthur J. Marble was again a prize winner, showing 40 varieties. One which attracted particular attention is known as Sir Martin de Cuyac; it is a rare variety and was much discussed. Although Mr. Marble is not a retail florist he is vice-president of the Society and has been active in all florist and nursery movements.

Nystrom & Peterson are new retail florists in Worcester and at present are making a specialty of pot plants. They have a nice assortment in their display window as well as in the stalls.

For the visit of the Continentals from Hartford and Springfield, who assisted the Worcester Continentals in observing Bunker Hill Day, Lange had an attractive window consisting of exquisite blooms artistically arranged with tiny flags.

Bride and Bridesmaid Roses, Violets, Sweet Peas and Carnations are particularly good sellers for weddings.

Nothing unusual has occurred during the week in either the florist or nursery business, but trade is satisfactory and the usual amount of June business is sufficient to keep things moving at a comfortable pace after the Memorial Day rush. E. M. D.

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San Francisco

The Market

If business continues to the end of the month as it has been doing for the past two weeks, June should go on record as one of the busiest months we have had this year, so far. Since the latter part of May one of the most noticeable features in the market has been the high quality of the flowers brought in by the growers. Of course, Roses might have been better, but there is some excuse for them at this time of the year. June weddings and graduation ceremonies have combined to make the present month a busy one for grower and florist alike, and all indications point to a continuation of those good conditions for some time to come.

Carnations have advanced in price in the last few days; good blooms fetch at the present time, 50c. per doz. wholesale, and in some cases as high as 75c. per doz. has been paid. Roses continue to be very poor in quality and prices remain about the same. Gladioli are still to be had in small quantities, while Marguerites, both yellow and white, are abundant and sell well. Lilies are offered in quantity, although the quality of the blooms is not quite up to that of a week ago. Sweet Peas are still to the fore, and have been very much in demand during the past week. Other flowers noticed in quantity are Gaillardias, Cornflowers, Poppies, Coreopsis, Stocks and outdoor Roses. Orchids of any description are scarce, although some nice blooms of Cattleya gigas and Gaskelliana are to be seen in the stores. Some beautiful sprays of Phalænopsis amabilis have been coming in from the San Mateo growers in the past week, and there are few flowers which sell better than this beautiful Orchid. There are abundant supplies of green goods of all descriptions. Asparagus Sprengeri and A. plumosus is plentiful, as also is Maidenhair. Smilax is fairly abundant and brings good prices.

Pacific Coast Hort. Soc.'s Field Day

The monthly field day of the Pacific Coast Horticultural Society was held on June 12, when various estates in the vicinity of Burlinghame were visited by a large turnout of members of the Society and their friends. The new Crocker estate at Hillsborough was first visited, and after having partaken of a light lunch, kindly furnished by Mr. Eldridge, the superintendent of the estate, we proceeded to inspect what is undoubtedly one of the most uptodate, and most beautiful estates in America. The Rhododendrons were first inspected and one could not fail to notice the splendid condition they were in; thousands of the leading varieties have been planted on the slopes at the rear of the residence, under the partial shade of the Oaks, and there are few places in California where they do better. Kalmia latifolia was also seen in grand shape; while some fine Dicksonias, and other Tree Ferns seemed to be at home.

The famous Italian garden was next inspected, and this alone was worth going a long way to see.

The Tevis estate was next inspected, under the guidance of Mr. Mair, the genial head gardener. The Tevis estate is one of the oldest of the noted Californian estates, and members of the Society were well repaid for their journey. At the conclusion of the outing, ex-President Plath, in a short speech referred to the kindness and courtesy of their hosts, Mr. Mair and Mr. Eldridge, and called upon the members of the Society to give them both a hearty vote of thanks. Mr. Eldridge and Mr. Mair suitably replied. The outing was one of the most successful the Society has ever held, and it is to be hoped that we shall have many more like it.

Various Notes

Adolph Spreckels, the "Sugar King," is making extensive alterations on his Nappa estate. The MacRorie-McLaren Co. has charge of the landscape part of the work.

Charles McNaughton, a gardener employed at San Rafael, Marin County, met with a serious accident last week, when he was run over by an electric car. He was removed to the county hospital, where he now lies in a critical condition. Robert Kerr has taken charge of the J. H. Spring estate in Marin County.

The Huntington estate at San Gabiel is rapidly being put ioto shape, under the guidance of Wm. Hertrigh, the superintendent. Probably the finest collection of Palms in the world, outside of the famous Kew collection, is to be seen on this estate.

The extensive system of carpet bedding at Holy Cross Cemetery is at present attracting considerable attention, many of the beds are masterpieces of the gardener's art and are well worth seeing.

Daniel MacRorie has returned to town from an extended business trip through southern California.

C. Kooyman has left on a trip to Europe. He expects to be gone for three months.

The E. W. McLellen Co. are bringing in some fine blooms of My Maryland Roses at present. They are busy filling up their houses with young stock at present.

P. Mataria, of the Art Floral Co., reports having had an enormous call for flowers by all descriptions this past week.

Frank Pellicano, of Pellicano & Rossi, claims that they have done more business this month than ever before. Mr. Pellicano says there is no such thing as hard times with them.

The MacRorie-McLaren Co. received a large consignment of Phalænopsis and other Philippine Orchids from Manila this week. A large consignment from India also arrived in grand shape. The Garden City Pottery Co., has been shipping some very large orders of late. It reports a largely increasing business.

WM. MCM. BROWN.

New Bedford, Mass.

Things are rather quiet here, with the exception of funeral work which has been very good of late. Last Monday all the uptown florists were busy with orders for the funeral of a prominent local man.

Flowers are plentiful just now, with the demand light. Carnations are in good crop, but are getting rather small; they retail at 35 and 50c. per doz. Roses bring $1 and $1.50 per doz.; Sweet Peas, $1 per 100 blooms. Indoor Peas are about played out, and outdoor ones are just beginning to bloom. Snapdragons are getting poor and there is not much sale just now for them. Lilies retail at $2 per doz. Some good Ten-week Stocks are coming in.

June weddings help out a little, but the usual Summer dullness prevails.

Wm. P. Peirce, J. H. Cleary, Wm. H. Davenport and R. E. Nofftz report funeral work as good.

S. S. Peckham is sending in some nice Ten-week Stocks and Geraniums. There is still a fairly good demand for Geraniums, Salvia and other bedding plants, also for Asters, Zinnias, Marigolds, Cosmos and a host of other flowering annuals.

Gardening and bedding out is about all over for the season. This has been a good one for the sale of these plants.

Young Carnation stock is looking fine, the recent heavy rains starting the plants off fine. 'Mum stock is now being planted.

Peter Murray of Fairhaven, Mass., has just received a large importation of Palms, etc., from the other side.

The street fakir is still here selling Roses and Carnations at extremely low prices.

Wm. Livesey has some nice Smilax seedlings, which he is shipping to the trade.

Lawns and shrubs are looking nice and green. Outdoor Roses are in full bloom and make a fine appearance.

At the funeral of a local man, J. H. Cleary had an automobile to deliver orders, making two or three trips.

Dahlias are about all planted out.

HORTICO.

Hailstorms

On Saturday, June 18, hailstorms were quite prevalent in the immediate vicinity of New York City, and were also reported in Caldwell, Hackensack and Verona, N. J.; Cold Spring (Steuben Co.), N. Y.; Berwick, Collegeville, Perkasie, Sunbury and Greenville, Pa., and Bettsville, Ohio. J. G. E.

English Traveling Greenhouses

The principal use for traveling greenhouses, of which many are used in Great Britain, is for the purpose of working two crops—say, Tomatoes and Chrysanthemums. The latter are planted early in the Spring in the open ground between the walls. Tomatoes, or a similar crop, are planted early in the houses, and this latter crop is cleared in time to allow the houses to be run over to Chrysanthemums in September or early in October. —T. A. W., Eng.

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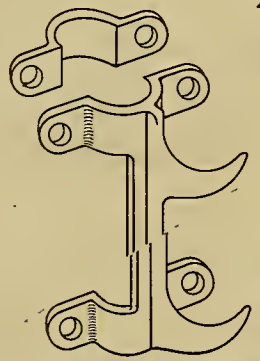

THE hooks and half of the clamp are cast in the one piece—You can see at a glance what very easy hooks they are to put up, and that once up there would be no slipping.
On the other hand, if you wanted to change the grade of your pipes, it's as easy as rolling off a log to loosen up a little on the clamp bolts and slide the hooks up or down the columns.
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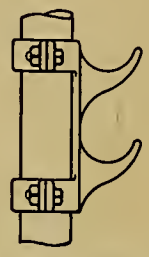

Two of the three pieces that make up the new clamp pipe hook.

Just to show how it grips around the columns.

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The

Week's Work

BY
FRITZ BAHR

The Chrysanthemums

Care of the Newly Planted Stock.

One can set forth in very few words the rules which must be followed in order to be successful with the 'Mums, and yet there are so many, many details attached to their culture, the neglect of which, if not attended to, is bound to show by the time the flowers are ready to be cut. There are times when a beginner, with little experience, raises good flowers, and perhaps laughs at the troubles and trials some old time neighbor of his may have with his plants, one who, perchance, has grown Chrysanthemums for many years. There are but few of us who haven't had a chance to meet such men; but the time is bound to come, if they stay in business long enough, when problems will arise which need the head of the experienced grower to solve them. New houses, which include new benches, fresh sweet soil, and most likely, with the beginner, well grown healthy stock to start with, afford every advantage possible over the older man. Fair stock with but little care can be grown under such conditions. I claim that the greatest advantage one gets out of the latest and best constructed house is in the fact that it is new. In such a case, with a right beginning and proper attention as to the requirements of the plants, the very best results can be expected. While the Chrysanthemums are considered easy plants to grow, there are quite a number of diseases and insects which are troublesome. However, most of these can be avoided, and it depends to a large extent on the grower as to the amount of the damage done. If the stock is not over watered, overfed and kept clean, you are not likely to be troubled much with disease. The benched stock doesn't require any feeding at this time—there is all the nourishment the plants require in the soil. As regards watering, on which much depends, don't allow the soil to get dust dry before using the hose; on the other hand, examine the bench thoroughly before applying water; keep the soil moderately moist at all times from now on—the little plants are sending out roots and the growth of the plants should go on uninterrupted, which is not possible when the soil is too dry or too wet, either condition affecting the growth. Cultivate well; nothing does more good. Never allow a weed to appear. Keep the surface stirred up. Give the soil a chance to *breathe*, nothing will do more towards keeping it sweet. Don't wait until the tops of the plants are chock full of aphis before you ask Billy if there is any more tobacco dust left on the place.

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A Novelty Worthy of Mention

Begonia gracilis Prima Donna (Benary)

What can there be more interesting to the gardener than experimenting with novelties? No matter how disappointing the results may be with most of them, the minute an advertisement of something new is discovered there is simply no way to resist the temptation of ordering. When I called attention to the above mentioned new seedling Begonia last January, I only did so because the description given in the advertisement I read sounded good. Anything which might prove an addition to our list of bedding plants is of great interest to many retail growers, and that class constitutes the majority of florists in the country. Strange! but whenever we give a novelty a trial, if it is one to be grown from seed, it matters little how careful we may be in sowing the seed or what attention we pay to the seed pan afterward, there are only a few seeds which will germinate and grow, and Begonia Prima Donna was no exception to the rule. We sowed out two dollars worth of seed and today have about 200 plants—cheap enough, surely, because it is a good thing, but at this rate only 10 per cent of the seed produced plants. This Begonia, grown from seed sown last January is now in 4-in. pots, bushy plants, about 7 in. in height, and while it started somewhat later to come into bloom than Begonia Vernon, Erfordi and luminosa, the plants are now covered with flowers larger in size than any of the gracilis of semper florens types: the individual flowers measure 1¼ and over in diameter and are of a beautiful light pink, color. The plants have been exposed to the full sunlight up to this date, and while we cannot say anything as to their qualifications as bedders, there is no doubt but what they will make good. We filled several wire hanging baskets with them for a customer about 4 weeks ago, using English Ivy for vines; these plants are a mass of bloom today and their brown tinted foliage only adds to the color of the flowers. If this Begonia keeps on blooming as it has, it should certainly prove not alone a good bedder but a valuable pot plant, on account of the size and color of the flowers. There are yet many small growers who have neither the facilities nor the room to do Lorraines properly, and anything that will be near in color and size of bloom of the Lorraines will be welcomed; not to take its place, by any means, but it will help out considerably. There is room for new Begonias and I, for one, am so well impressed with this one that I predict it will become a great favorite.

Nymphaeas

Not Too Late to Plant Some of the Tender Varieties.

In order to be successful with either the ordinary or the more tender Nymphæas, you must have a sunny spot to grow them in. There isn't a retail grower who hasn't use for these beautiful flowers, and more and more of them are seen and made use of during the Summer months; and I look forward to the time when every florist who has the room will provide facilities for growing his Water Lilies. Among the tender day blooming varieties, Nymphæa gracilis is of the greatest value to the average florist, as it is a white sort. It is no use planting either this one or any of the other tender varieties out before the middle, or even toward the end of June—at least not through the Middle West—for the temperature of the water should at all times be kept over 70°. Wherever a pond is made use of, plant in boxes of about 2 ft. in diameter by 15 in. deep, using a stiff loam, mixed liberally with cow manure. Place the boxes so as to bring the plants about one foot below the level of the water, allowing about 7 ft. or so between the plants. There is no secret about planting. If dormant rhizomes are made use of, cover the surface surrounding them with about 3 in. of fine gravel. The greatest danger with the culture of Nymphæas lies in planting them too deep where the water is cold. Another splendid variety among the day bloomers of the tender Nymphæas I might mention that grand blue sort, N. pulcherrima. Among the tender night blooming Nymphæas of special interest we have that beautiful pink, N. Deanlana, and that grand white one N. dentata superba, which gives us magnificent flowers and the nearest to a red color we get from N. rubra; however, this sort while a splendid one to have in a collection is not of as great value to the average florist as the others are. Here, as with many other things we grow, a great variety of colors is not of much use, when we have only room for a few plants. White and light pink are always our colors; they form our standbys, and when growing Nymphæas plant sufficient of either of them, so as to give enough flowers of one color to fill an order of one or two dozen at a time.

Carnation Soil

Lose no Time in Getting Your Supply Ready

We are including in the week's work the handling of soil for the Carnation benches. This soil comes from a pasture, which was plowed over deeply last Fall and cross-plowed again this Spring and now forms ideal material for both Roses and Carnations. The soil itself is a rather stiff loam, and the sod which was on it last Fall is by this time sufficiently rotted to fall to pieces when handling it. Soil of this kind, with little manure, will grow almost anything. It may be a little more expensive to handle, but there is more life in it than any other soil one can prepare. Even at this date it isn't by any means too late, if short on soil, to plow up

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Made in 15 sizes, heating from the smallest greenhouse up to 60,000 square feet of glass to 50° at 15° below zero.
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deeply, say 6 in. to 7 in. of sod soil, and pile it up properly, in order to get it ready for binding by the end of July. By piling up properly I mean that I would lay the sod face down in layers, with as much loose soil between the layers as possible; in this way, and especially if the soil was in a moist condition when piled up, the sod will be found rotted to a great extent inside of three weeks, at least to such an extent as to make it possible to chop it up, so as to make it fit material for the benches. But don't lose any time in getting at this work at once. Don't mind the extra expense which you might be put to in making use of such material for Carnations. It may take longer to get into shape for benching, and for the planting itself, but fibrous soil of that kind is so far ahead of any that isn't fibrous, especially for Carnations, that if it can be had at all I should never use any other. We know it isn't the soil alone which will tell the tale; the good grower will get fair results quite often with soil which isn't extra good, but it is certain that good soil to begin with will make the rest of the work easier. If it is possible to get good soil, get it, and try to have it in shape when ready for housing the Carnations—only a few more days and this work will begin again.

Perennials

Good Time Now to Do a Little Advertising

Look over the list of your customers who are likely to be in the market for perennials next Fall, and send them a bunch of Delphiniums, Foxglove or Poppy Flowers; you couldn't possibly get a cheaper or more effective advertisement. Among the most widely known perennials and biennials, the Peonies, Delphiniums, Oriental Poppies, Aquilegias, Border Pinks, Foxglove, Sweet Williams, Canterbury Bells, Gaillardias, Iris and Pyrethrums are at their best now. Any of them adapt themselves as cut flowers. Cut them when only partly open and place them in water and in a cool place for several hours. An Oriental Poppy when full open and cut will go to pieces in a few minutes in a hot room; but cut it when just opening, and properly treated the flowers can be kept for several days. If you are among those who have a good supply of flowers of hardy stock to draw from now, you will appreciate what it means in dollars and cents. Most of our customers will not take Roses or Carnations at any price now, if outdoor flowers can be had—you can't blame them; but you can blame the man in the business, who has space and facilities for not having them on hand. I remember when it was almost impossible to sell Peony flowers, they were considered common. People would take a bunch of Tuberoses in preference every time; and today with the thousands upon thousands of Peonies grown everywhere, two dollars for a dozen well grown flowers of Festiva maxima isn't anything unusual. By the way, don't invest in too many of the different sorts of Peonies advertised; they are all beautiful, everyone of them, even if certain varieties do go under half a dozen different well sounding names. Festiva maxima is one of the grandest and best, for the retail grower especially. It is to him what Killarney is among the Roses today, or what S. A. Nutt has been among Geraniums since the 70's. Grow perennials! there is more money in them than in a lot of the bedding stock we handle.

HUNTSVILLE, ALA.—John Scott, who was with the Joy Floral Co., Nashville, for sometime, has purchased the John T. Fisher business here, and will erect several new greenhouses.

The Burnham GRATES
Grates are ridged on top—double trussed underneath, so that they smash the clinkers and not the grate. They dump to the front, which makes ash removal easy.
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For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.
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N. COWEN'S SON,
14 & 16 Wooster Street, New York
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SUMMER IN WINTER
BY USING
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One cent gets our catalog.
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We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.

The A. T. Stearns Lumber Co.
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THINK IT OVER!!!

When it comes to exhibiting your stock or sending it to the wholesaler, or placing it in your store window, then is when it means somethiog if you have built the right kind of a greenhouse. Don't try to grow first-class stock with a house that should have been torn down years ago—it's a waste of money and time. Let us furnish you new material for some new houses and then go ahead and do business in the right kind of a way. By all means be successful—the first step is to get our catalogs:

No. 4 Greenhouse Materials.
No. 5 Boilers.
No. 6 Pipe & Fittings.

John C. Moninger Co.
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HAVE you figured or how much COAL and TIME you use for your pumping during the summer months, and compared this with the expense of a few cents worth of gas or gasoline used by THE STANDARD PUMPING ENGINE for doing BETTER WORK IN LESS TIME?

Our catalogue will get you to thinking about it. Sent on request.

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Illustrating the easy manner with which our Concrete Benches can be installed in your houses.

Four men—one day—one bench complete, 150 feet by 4 feet and 6 inches.

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Write to us about your
Materials and Plans
for any size and style of
GREENHOUSE
for new structure or repairs.

Hot-Bed Sash
in stock or any size required.

Pecky Cypress Benches
most lasting—least expensive.

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Western Ave. and 26th St.,
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OUR CURVED EAVE HOUSE IS THE HOUSE

There are three reasons why—any one of them just as plain as the nose on your face: First, their attractiveness impresses you, for that gutterless eave with its graceful curve certainly does appeal to one.
Second, you like the idea of its increased lightness and know at a glance that it must be a great growing house.
Third, you like the way it is constructed and believe that at last here is a Curved Eave house that is practical in every way and without a question as to its durability.

Hooking these facts up to a concern in whom you can place full confidence, gives you a guarantee of securing a house without the usual disappointments.

Perhaps the best thing for you to do, is write us a line, stating the size of house you have been thinking of and so on; then we can send you some advance pages from our new catalog, or a photo or two that will help you in deciding things. This is a good time to build.

LORD AND BURNHAM CO. IRVINGTON, N. Y. New York St. James Bldg. Boston Tremont Bldg. Philadelphia Heed Bldg. Chicago The Rookery

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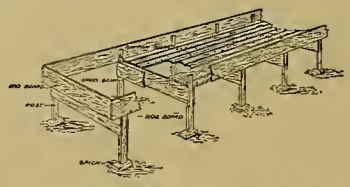
Do You Re-Bench This Year?



Here It Is...
Ask the Man who has one

The "King Pecky Cypress Bench" cut and fitted ready to put together.

No Waste.

It is the best "Pecky" bench on the market

Have you seen our "New Bulletin No. 35" which describes the Iron Frame House. and gives the opinion of men who have them? Mailed on est.

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There is nothing large or small in **Florists' Supplies** which we cannot furnish. We call your especial attention to our full line of **Fancy Flower Baskets** of best qualities and latest styles. A new supply of **Green and Brown Magnolia Leaves** and **Cycas Leaves** in all sizes has just been received. Do not forget our **Fancy Lace Bouquet Papers** and **Chiffons** in all **Flower Colors.** Then there are our **Kneeling Stools, Wedding Gates, White Imperial China Ware, etc., etc.**

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Roller bearing, self-oiling device, automatic stop, solid link chain, make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO.
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ALL SIZES
16x24 A. & B. Double a Specialty
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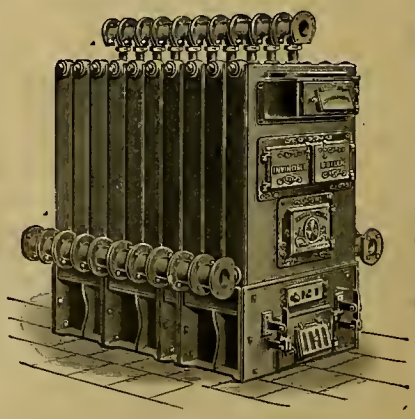

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